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An annotated list of the centipedes (Chilopoda) in the
National Collection of Arachnids, Instituto de Biología,
Universidad Nacional Autónoma de México. Addendum:
Scutigeromorpha and Scolopendromorpha

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An annotated list of the centipedes (Chilopoda) in the National Collection of Arachnids, Instituto de Biología, Universidad Nacional Autónoma de México. Addendum: Scutigeromorpha and Scolopendromorpha

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Abstract. This addendum to “An annotated list of the centipedes (Chilopoda) in The National Collection of Arachnids (Colección Nacional de Arácnidos, CNAN), Instituto de Biología, Universidad Nacional Autónoma de México” (México City), is based on new samples deposited in the last three years. It updates the preliminary list of 197 samples determined to genus and/or species. In this paper a total of 132 samples were added: Scutigeromorpha, 27; and Scolopendromorpha, 105. It also provides new state distribution records for *Dendrothereua linceci* (Wood, 1867), *Scolopendra morsitans* Linnaeus, 1758, *S. polymorpha* Wood, 1861, *Rhysida immarginata* (Porat, 1876), *Scolopocryptops melanostomus* Newport, 1845, *Newportia spinipes* Pocock, 1896, and *Ectonocryptoides quadrimeropus* Shelley and Mercurio, 2005.

Resumen. Adiciones a la “Lista anotada de ciempiés (Chilopoda) de la Colección Nacional de Arácnidos (CNAN) del Instituto de Biología de la Universidad Nacional Autónoma de México” (Ciudad de México), se realizaron a partir de la revisión de nuevas muestras depositadas en los últimos tres años. Con estas adiciones se actualiza la lista preliminar de 197 muestras determinadas a nivel de género y/o especie. En este trabajo se adicionan en total 132 muestras: Scutigeromorpha, 27; y Scolopendromorpha, 105. También se proporcionan nuevos registros de distribución estatal para *Dendrothereua linceci* (Wood, 1867), *Scolopendra morsitans* Linnaeus, 1758, *S. polymorpha* Wood, 1861, *Rhysida immarginata* (Porat, 1876), *Scolopocryptops melanostomus* Newport, 1845, *Newportia spinipes* Pocock, 1896, y *Ectonocryptoides quadrimeropus* Shelley y Mercurio, 2005.

Introduction

Cupul-Magaña (2010a) published the first annotated list of the centipedes (Chilopoda) housed in The National Collection of Arachnids (Colección Nacional de Arácnidos, CNAN), Instituto de Biología, Universidad Nacional Autónoma de México in México City. He listed 197 samples determined to genus and/or species level from the orders Scutigeromorpha [one sample; one species: *Scutigera linceci* (Wood, 1867)], Lithobiomorpha [11 samples; six species: *Arebius altimontis* Chamberlin, 1943; *Delobius correai* Chamberlin, 1943; *Labrobius boneti* Chamberlin, 1943; *Mayobius atliacanus* Chamberlin, 1943; *Mexicobius alvarezi* Chamberlin, 1943; and *Lamyctes tolucanus* Chamberlin, 1943], Scolopendromorpha [182 samples; 10 species and two genera: *Arthrorhabdus pygmaeus* (Pocock, 1895); *Cormocephalus* sp. Newport, 1844; *Cormocephalus impressus* Porat, 1876; *Scolopendra morsitans* Linnaeus, 1758; *S. polymorpha* Wood, 1861; *S. viridis* Say, 1821; *Rhysida immarginata* (Porat, 1876); *R. longipes* (Newport, 1845); *Scolopocryptops ferrugineus* (Linnaeus, 1767) (= *Scolopocryptops mexicanus* Humbert and Saussure, 1869; following Chagas-Júnior 2008); *S. melanostomus* Newport, 1845; *S. sexspinosus* (Say, 1821); and *Cryptops* spp. Leach, 1815], and Geophilomorpha [three samples; two species: *Watophilus hulenus* (Chamberlin, 1943); and *Arcophilus toltecus* Chamberlin, 1943].

Three years after the first review of the collection, I examined newly deposited samples and here update information on distributional records of the centipede species that inhabit México.

Material and methods

The new samples were examined and comprise 132 samples: 27 Scutigeromorpha, and 105 Scolopendromorpha. Unidentified material was examined with a Zeiss Stemi SV 11 stereoscope (10x–40x

magnification). I determined them using the publications of Pocock (1895–1910), Schileyko and Minelli (1998), Shelley (2002), Chagas-Júnior (2003, 2008), Chagas-Júnior and Shelley (2003), and Edgecombe and Cupul-Magaña (2008). Specimens examined were labeled and stored in glass tubes and preserved in 70% ethanol. They are all deposited in The National Collection of Arachnids (Colección Nacional de Arácnidos, CNAN), Instituto de Biología, Universidad Nacional Autónoma de México in México City. In Distribution records, new state records are in bold.

List of identified materials in the CNAN

Class Chilopoda Latreille, 1817
Subclass Notostigmophora Verhoeff, 1901
Order Scutigeromorpha Pocock, 1895
Family Scutigeridae Leach, 1814
Subfamily Scutigerinae Verhoeff, 1904

***Dendrothereua linceci* (Wood, 1867)**

Cermatia linceci Wood, 1867
Scutigera linceci (Wood, 1867)
Scutigera mexicana Saussure and Humbert, 1872
Scutigera occidentalis Meinert, 1886
Dendrothereua arborum Verhoeff, 1944

Type locality. USA: Texas.

Exemplars examined. **Chiapas:** CNAN-SCU000004, San José Monte Bello, 20/XI/1950, 1 exemplar (ex.); CNAN-SCU000017, Comitán, 24/XII/1960, 1 ex. **Distrito Federal:** CNAN-SCU000007, México, D.F., X/1963, 1 ex.; CNAN-SCU000005, Bosque de Chapultepec, México, D.F., 1/VI/1966, collector (coll.) M. Rojas, 1 ex.; CNAN-SCU000002, Instituto de Biología, UNAM, VIII/1993, coll. W. López-Forment, 1 ex.; CNAN-SCU000001, Colonia Santo Domingo, Coyoacán, without date, house indoor, coll. E. González, 1 ex., (**new state record**). **Hidalgo:** CNAN-SCU000003, Santa María Ilucan, Tula, 1/III/1953, 1 ex., (**new state record**). **Jalisco:** 3 km to Ayutla, 20/I/1966, coll. C. R. Beutelspacher, 2 exemplars (exs.); CNAN-SCU000021, Volcán San Martín, 30/I/2001, 1 ex.; Área Natural Protegida (ANP) Piedra Bola, municipality of Ahualulco del Mercado, 30/III/2012, 1,894 m elevation (elev.), 20.65225° N–104.05682° W, pine-oak forest, collectors (colls.) L. Olguín, J. Mendoza, G. Contreras, C. Santibañez, D. Ortiz, 1 ex.; Reserva de la Biosfera Sierra de Manantlán, Ejido Ahuacapan, Autlán, 2/IV/2012, 1,967 m elev., 19.60469° N–104.29914° W, colls. C. Santibañez, L. Olguín, D. Ortiz, J. Mendoza, G. Contreras, 1 ex. **Michoacán:** CNAN-SCU000024, municipality of Tingambato, 13/X/1999, coll. E. González, 2 exs. **Morelos:** CNAN-SCU000009, Tepoztlán road, 20/VI/1948, 2 exs., (**new state record**). **Oaxaca:** CNAN-SCU000018, Teotitlán, km 165, 29/IX/1990, 1 ex.; CNAN-SCU000020, La Petenera, 6/IX/2006, in bromeliad *Tillandsia prodigiosa*, 1 ex.; CNAN-SCU000013, 8 km SW Santiago Astata, 19/IX/2000, coll. J. Castelo, 2 exs.; CNAN-SCU000012, San Felipe comunal village, 12/XI/2005, 17.116294° N–96.714306° W, colls. O. Francke, G. Montiel, C. Santibañez, 2 exs.; Cueva del Diablo, 2 km W to Acatlán, municipality of Acatlán de Pérez Figueroa, 4/IX/2010, 156 m elev., 18.57637° N–97.60679° W, pine forest, colls. A. Valdez, O. Francke, D. Barrales, C. Santibañez, 1 ex. **Puebla:** CNAN-SCU000015, Villa Juárez, 12/XI/1950, 1 ex., (**new state record**). **Quintana Roo:** CNAN-SCU000016, Reserva Ecológica “El Edén”, municipality of Lázaro Cárdenas, 7/VII/2007, 50 m elev., 20.20039° N–87.19514° W, colls. R. Paredes, G. Montiel, 1 ex., (**new state record**). **San Luis Potosí:** CNAN: SCU000008, Xilitla, 9/VII/2000, 1 ex., (**new state record**). **Tabasco:** Gruta de Coconá, Teapa, 13/IV/1960, 1ex., (**new state record**).

Geographical distribution. See Cupul-Magaña (2010a).

Distribution in México. Chiapas, **Distrito Federal**, Guerrero, **Hidalgo**, Jalisco, Michoacán, **Morelos**, Oaxaca, **Puebla**, **Quintana Roo**, **San Luis Potosí**, **Tabasco**, and Veracruz (Edgecombe and Cupul-Magaña 2008; Cupul-Magaña 2010a).

Remark. The genus name *Scutigera* cited in Cupul-Magaña (2010a) is referred to here as *Dendrothereua* according to Edgecombe and Giribet (2009).

Order Scolopendromorpha Pocock, 1895

Family Scolopendridae Leach, 1815

Subfamily Scolopendrinae Leach, 1815

***Scolopendra heros* Girard, 1853**

- Scolopendra castaneiceps* Wood, 1861
Scolopendra heros var. *castaneiceps* Wood, 1865
Scolopendra pernix Kohlrausch, 1881
Scolopendra heros var. *prismatica* Cragin, 1885
Scolopendra heros var. *arizonensis* Kraepelin, 1903
Scolopendra heros var. *heros* Attems, 1930
Scolopendra heros arizonensis Sandefer, 1998
Scolopendra heros castaneiceps Sandefer, 1998
Scolopendra heros heros Sandefer, 1998

Type locality (for neotype). USA: Mt. Scott, Wichita Mountains Wildlife Refuge, Comanche Country, Oklahoma (NMNH: National Museum of Natural History, Smithsonian Institution, Washington, DC).

Exemplars examined. Sonora: Álamos, municipality of Álamos, 12/VII/2006, 2 exs.

Geographical distribution. México, and USA (Shelley 2002).

Distribution in México. Chihuahua, Coahuila, Colima, Sonora, Sinaloa, and Nayarit (Shelley 2002; Cupul-Magaña 2010b).

***Scolopendra morsitans* Linnaeus, 1758**

- Scolopendra brandtiana* Gervais, 1837
Scolopendra bilineata Brandt, 1840
Scolopendra crassipes Brandt, 1840
Scolopendra erythrocephala Brandt, 1840
Scolopendra limbata Brandt, 1840
Scolopendra platypus Brandt, 1840
Scolopendra elegans Brandt, 1841
Scolopendra fulvipes Brandt, 1841
Scolopendra morsitans scopoliana Koch, 1841
Scolopendra angulipes Newport, 1844
Scolopendra leachii Newport, 1844
Scolopendra longicornis Newport, 1844
Scolopendra platypoides Newport, 1844
Scolopendra tuberculidens Newport, 1844
Scolopendra algerina Newport, 1845
Scolopendra fabricii Newport, 1845
Scolopendra formosa Newport, 1845
Scolopendra richardsoni Newport, 1845
Scolopendra tigrina Newport, 1845
Scolopendra varia Newport, 1845
Scolopendra infesta Koch, 1847
Scolopendra planipes Koch, 1847
Scolopendra tongana Gervais, 1847
Scolopendra pella Wood, 1861
Scolopendra porphyratainia Wood, 1861

- Scolopendra brachypoda* Peters, 1862
Scolopendra compressipes Wood, 1862
Scolopendra modesta Wood, 1862
Scolopendra mossambica Peters, 1862
Scolopendra carinipes Humbert and Saussure, 1870
Scolopendra afzelii Porat, 1871
Scolopendra attenuata Porat, 1871
Scolopendra chlorocephala Porat, 1871
Scolopendra cognata Porat, 1871
Scolopendra intermedia Porat, 1871
Scolopendra picturata Porat, 1871
Scolopendra pilosella Porat, 1871
Scolopendra saltatoria Porat, 1871
Scolopendra vaga Porat, 1871
Scolopendra wahlbergi Porat, 1871
Scolopendra impressa Porat, 1876
Eurylithobius slateri Butler, 1876
Scolopendra morsitans procera Haase, 1887
Scolopendra morsitans sulcipes Haase, 1887
Scolopendra morsitans calcarata Daday, 1891
Scolopendra grandidieri Saussure and Zehntner, 1902
Scolopendra lineata Saussure and Zehntner, 1902
Scolopendra spinosella Saussure and Zehntner, 1902
Scolopendra morsitans fasciata Attems, 1930
Scolopendra morsitans amazonica Bücherl, 1946
Trachycormocephalus jodhpurensis Khanna, 1977

Type locality. India, with no more information.

Exemplars examined. **Coahuila:** Cuatro Ciénelas, Laguna de Churince, 18/II/2012, colls. J. L. Vilalobos, S. Rodríguez, 1 ex., (**new state record**). **Morelos:** outside Cueva de San Juan Tlacotenco, Tepoztlán, 13/IV/2012, 2,300 m elev., 19.0137° N–99.09413° W, colls. L. Olgún, R. Monjaraz, J. Mendoza, D. Barrales, G. Contreras, D. Ortiz, C. Santibañez, 1 ex., (**new state record**). **Oaxaca:** 191 km road Mitla-Tehuantepec, municipality of Santa María Jalapa de Marques, 14/XII/2011, 461 m elev., 16.40574° N–95.69783° W, scrub-lowland forest, colls. J. Mendoza, G. Contreras, E. Hijmensen, E. Goyer, 1 ex. **Puebla:** bus stop Mezquites, municipality of Coxcatlán, 10/IX/2010, 1,086 m elev., 18.30288° N–97.21601° W, xerofilic scrub, colls. A. Valdez, O. Francke, J. A. Cruz, D. Barrales, 1 ex., (**new state record**). **Querétaro:** outside Cueva El Llano del Conejo, 7/V/2011, 2,003 m elev., 21.37851° N–99.10018° W, colls. O. Francke, G. Contreras, J. Cruz, R. Monjaraz, A. Valdez, 1 ex., (**new state record**).

Geographical distribution. See Cupul-Magaña (2010a).

Distribution in México. Baja California Sur, **Coahuila**, Colima, Distrito Federal, Estado de México, Jalisco, **Morelos**, Oaxaca, **Puebla**, **Querétaro**, Tamaulipas, Veracruz and Yucatán, Cayo Arenas, Gulf of México (Shelley et al. 2005; Cupul-Magaña 2010a, c).

- Scolopendra polymorpha* Wood, 1861
Scolopendra copeiana Wood, 1862
Scolopendra copeana Wood, 1865
Scolopendra mysteca Humbert and Saussure, 1869
Scolopendra californica Humbert and Saussure, 1870
*Scolopendra pachy whole Kohlrausch, 1878
Scolopendra leptodera Kohlrausch, 1881
Scolopendra viridilimbata Daday, 1891*

Scolopendra copeiana gaumeri Pocock, 1895

Scolopendra mohavea Chamberlin, 1912

Scolopendra polymorpha pueblae Chamberlin, 1915

Scolopendra viridis polymorpha Attems, 1930

Scolopendra michelbacheri Verhoeff, 1938

Type locality (for lectotype). USA: Kansas, Riley County, Fort Riley (ANSP: The Academy of Natural Sciences, Philadelphia, Pennsylvania).

Exemplars examined. **Chihuahua:** dirt road La Bufa-Samachique, 1 km to Quirare, 2/VIII/2005, 1,972 m elev., 27° 9.067' N–107° 33.986' W, colls. O. Francke, K. McWest, J. Ballesteros, H. Montaño, L. Jarvis, 3 exs. **Guerrero:** Ixtapa Zihuatanajo, IX/2004, 3 exs. **Hidalgo:** municipality of Zimapán, VI/2002, 3 exs. **Jalisco:** Reserva de la Biosfera Sierra de Manantlán, Ejido Ahuacapan, Autlán, 2/IV/2012, 1,967 m elev., 19.60469° N–104.29914° W, colls. C. Santibañez, L. Olguín, D. Ortiz, J. Mendoza, G. Contreras, 1 ex.; 30 km W to Ameca, Los Otates bridge, without date, 20° 31.879' N–104° 15.564' W, 1,497 m elev., colls. O. Francke, J. Ponce, M. Córdova, A. Jaimes, G. Francke, V. Capovilla, 1 ex. **Michoacán:** Landero, municipality of Benito Juárez, 24/XII/2006, 1,719 m elev., 19° 18.925' N–100° 22.930' W, coll. A. Valdez, 2 exs., (**new state record**). **Nuevo León:** El Nogal, municipality of Agualeguas, III/2002, 2 exs. **Oaxaca:** CNAN-CH000280, El Cerezo, 27/III/2006, in bromeliad *T. prodigiosa*, 1 ex. **Puebla:** CNAN-CH000410, federal road México-Puebla, I-IX/2005, coll. B. Villa, 1 ex.; bus stop Mezquites, municipality of Coxcatlán, 10/IX/2010, 1,086 m elev., 18.30288° N–97.21601° W, xerofilic scrub, colls. A. Valdez, O. Francke, J.A. Cruz, D. Barrales, 1 ex. **Querétaro:** Río Blanco, municipality of Peñamiller, VI/2007, 1 ex. **Sinaloa:** El Fuerte, municipality of El Fuerte, 14/VIII/2002, 1 ex.; El Varejonal, municipality of Badiraguato, 18/VIII/2002, 1 ex. **Sonora:** Hermosillo, 18/VI/2004, 1 ex.; Cerro La Huertita, Sierra Aconchi, municipality of Aconchi, 7/VII/2012, 1,860 m elev., 29.80500° N–110.35333° W, pine-oak forest, colls. T. R. Van Devender, N. S. Deyo, 1 ex.; W of Mazatán, municipality of Mazatán, 13/VIII/2012, 550 m elev., 29.00427° N–110.14806° W, colls. T. R. Van Devender, J. Palting, 1 ex.; Rancho de Los Alisos, Sierra Aconchi, municipality of Aconchi, 2/IX/2012, 1,301 m elev., 29.79833° N–110.31972° W, riparian and oak forest, colls. T. R. Van Devender, A. L. Reina, 2 exs.; Rancho de Los Jácaros, Sierra Aconchi, municipality of Aconchi, 4/IX/2012, 1,364 m elev., 29.78556° N–110.34056° W, riparian and oak forest, colls. T. R. Van Devender, A. L. Reina, 1 ex. **Tamaulipas:** Guayalejo, municipality of Llera, 25/V/2003, 1 ex.

Geographical distribution. See Cupul-Magaña (2010a).

Distribution in México. Baja California, Baja California Sur, Chihuahua, Coahuila, Distrito Federal, Durango, Guerrero, Hidalgo, Jalisco, **Michoacán**, Morelos, Nuevo León, Oaxaca, Puebla, Querétaro, Sinaloa, Sonora, Tamaulipas, and Zacatecas (Shelley 2002; Cupul-Magaña 2009, 2010a).

Scolopendra viridis Say, 1821

Scolopendra azteca Saussure, 1860

Scolopendra otomita Saussure, 1860

Scolopendra viridis tolteca Saussure, 1860

Scolopendra microcanthus Bollman, 1889

Scolopendra cuivis Pocock, 1891

Scolopendra nicaraguensis Bollman, 1893

Scolopendra tenuitarsis Pocock, 1895

Scolopendra utahana Chamberlin, 1925

Type locality (for syntype). USA: unknown site in coastal Georgia or Florida (BMNH: The Natural History Museum, London, United Kingdom).

Exemplars examined. **Distrito Federal:** Parque Sierra de Guadalupe, Coacalco, 13/VIII/2011, 2,415 m elev., 19.608074° N–99.094222° W, coll. D. Barrales, 1 ex.; Río Hondo, 25/XII/2012, coll. H. Brailovsky,

1 ex. **Estado de México:** La Laguna, 26/X/2002, 1,572 m elev., 18° 47.535' N–99° 36.105' W, colls. E. González, I. Santamaría, 1 ex. **Guerrero:** 8 km SE Chilpancingo, municipality of Chilpancingo, 21/IX/2012, 1,596 m elev., 17.56418° N–99.55062° W, colls. J. Cruz, J. Mendoza, G. Contreras, D. Ortiz, 1 ex. **Jalisco:** km 37 road Los Volcanes-Ayutla, 9/VII/2005, 1,886 m elev., 20° 15.241' N–104° 28.834' W, colls. O. Francke, J. Ponce, M. Córdova, A. Jaimes, G. Francke, V. Capovilla, 1 ex.; Área Natural Protegida (ANP) Piedra Bola, municipality of Ahualulco del Mercado, 30/III/2012, 1,894 m elev., 20.65225° N–104.05682° W, pine-oak forest, colls. L. Olguín, J. Mendoza, G. Contreras, C. Santibañez, D. Ortiz, 2 exs.; 4 km E Tapalpa, municipality of Tapalpa, 3/IV/2012, 2,261 m elev., 19.96645° N–103.72646° W, pine forest, colls. L. Olguín, J. Mendoza, G. Contreras, C. Santibañez, D. Ortiz, 2 exs.; Mesa del Ocote, municipality of Chapala, 8/VII/2012, 2,300 m elev., 20° 20' 18.4" N–103° 15'11.5" W, colls. M. Vázquez, J. Ascencio, G. Contreras, 2 exs.; Área Natural Protegida (ANP) de Piedra Bola, municipality of Ahualulco del Mercado, 17/VII/2012, 1,880 m elev., 20.6517° N–104.05764° W, colls. O. Francke, G. Contreras, D. Barrales, A. Valdez, 1 ex.; Cerro de La Tetilla, municipality of Talpa de Allende, 21/VII/2012, 2,427 m elev., 20.36564° N–104.99385° W, colls. O. Francke, G. Contreras, D. Barrales, A. Álvarez, 1 ex.; Ejido Toledo y Yerbabuena, municipality of Talpa de Allende, 21/VII/2012, 2,238 m elev., 20.37728° N–104.98260° W, colls. O. Francke, G. Contreras, D. Barrales, A. Álvarez, 1 ex. **Hidalgo:** Tasquillo, IV/2002, 1 ex.; 2.5 km juntion Tianguistengo road, Zacualtitán de Ángeles, 8/X/2011, 2,100 m elev., 20.67485° N–98.66895° W, 2 exs. **Michoacán:** Centro Ecoturístico Pantzingo, Nuevo San Juan Parangaricutiro, 23/X/2009, 2,428 m elev., 19° 29.654' N–102° 11.940' W, pine-oak forest, coll. G. Montiel, 1 ex. **Morelos:** Airport, Cuernavaca, 19/VII/2002, 1 ex.; CNAN-CH000404, Oaxtepec, 12/VI/2006, coll. R. Bolaños, 1 ex.; CNAN-CH000397, Cuautla, 31/VI/2007, coll. H. Brailovsky, 1 ex.; CNAN-CH000403, Cuautla, 15/II/2010, coll. H. Brailovsky, 1 ex.; 1 km E San Juan Tlacotenco, Parque Nacional El Tepozteco, Tepoztlán, 13/IV/2012, 2,420 m elev., 19.0178° N–99.001° W, colls. L. Olguín, R. Monjaraz, J. Mendoza, D. Barrales, G. Contreras, D. Ortiz, C. Santibañez, 1 ex.; Cuautla, 17/VII/2012, coll. A. Reyes, 1 ex. **Nayarit:** Volcán Ceboruco, municipality of Jala, 1/IV/2012, 1,922 m elev., 21.11760° N–104.50126° W, pine forest, colls. L. Olguín, J. Mendoza, G. Contreras, C. Santibañez, D. Ortiz, 1 ex.; Volcán Ceboruco, municipality of Jala, 18/VII/2012, 2,048 m elev., colls. O. Francke, G. Contreras, D. Barrales, A. Valdez, 2 exs. **Oaxaca:** CNAN-CH000276, 26/IX/2006, El Cerezo, in bromeliad *T. calothyrsus*, 1 ex.; CNAN-CH000277, El Cerezo, 14/IX/2005, in bromeliad *T. carlos-hankii*, 1 ex.; CNAN-CH000278, El Cerezo, 6/IX/2006, in bromeliad *T. carlos-hankii*, 1 ex.; CNAN-CH000279, El Cerezo, 26/IX/2006, in bromeliad *T. bourgaei*, 1 ex.; CNAN-CH000281, El Cerezo, 9/X/2006, in bromeliad *T. viridiflora*, 1 ex.; CNAN-CH000282, El Cerezo, 27/III/2006, in bromeliad *T. bourgaei*, 1 ex.; CNAN-CH000283, El Cerezo, 27/III/2006, in bromeliad *T. calothyrsus*, 1 ex.; CNAN-CH000284, 27/III/2006, in bromeliad *T. bourgaei*, 1 ex.; CNAN-CH000285, La Petenera, without date, in bromeliad *T. prodigiosa*, 1 ex.; CNAN-CH000286, La Petenera, 14/VIII/2005, in bromeliad *T. prodigiosa*, 1 ex.; CNAN-CH000287, El Cerezo, 26/IX/2006, in bromeliad *T. calothyrsus*, 1 ex.; El Cerezo, 14/IX/2005, in bromeliad *T. carlos-hankii*, 1 ex.; El Naranjo, Nizanda, 18/III/2011, 108 m elev., 16° 40' 55.6" N–95° 2' 13.6" W, colls. G. Montiel, G. Contreras, V. Córdoba, D. Barrales, 1 ex. **Puebla:** CNAN-CH000410, federal road México-Puebla, I-IX/2005, coll. B. Villa, 4 exs. **Querétaro:** outside Cueva El Llano del Conejo, 7/V/2011, 2,003 m elev., 21.37851° N–99.10018° W, colls. O. Francke, G. Contreras, J. Cruz, R. Monjaraz, A. Valdez, 4 exs. **Sonora:** municipality of Imuris, 16/II/2012, 744 m elev., 30° 42' 50" N–110° 55' 19" W, riparian forest, coll. T. R. Van Devender, 2 exs.; Cerro La Huertita, Sierra Aconchi, municipality of Aconchi, 7/VII/2012, 1,860 m elev., 29.80500° N–110.35333° W, pine-oak forest, colls. T. R. Van Devender, N. S. Deyo, 2 exs. **Veracruz:** Totalco, municipality of Perote, VIII/2006, 1 ex.

Geographical distribution. See Cupul-Magaña (2010a).

Distribution in México. Baja California, Baja California Sur, Chiapas, Chihuahua, Coahuila, Colima, Distrito Federal, Durango, Estado de México, Guanajuato, Guerrero, Hidalgo, Jalisco, Michoacán, Morelos, Nayarit, Nuevo León, Oaxaca, Puebla, Querétaro, San Luis Potosí, Sinaloa, Sonora, Tamaulipas, Veracruz, and Zacatecas (Shelley 2002; Cupul-Magaña 2007; Cupul-Magaña 2010a).

Subfamily Otostigminae Kraepelin, 1903

Rhysida immarginata (Porat, 1876)

Branchiostoma gymnopus Kohlrausch, 1878

Branchiostoma immarginata celebense Haase, 1887

Branchiostoma indicum Kohlrausch, 1878

Branchiostoma subspinosum Tömösváry, 1885

Rhysida nuda brevicornis Wang, 1951

Rhysida nuda brevicornuta Wang, 1951

Type locality. Philippines: Manila.

Exemplars examined. **Estado de México:** El Llano, near 4.5 km for Santa Bárbara Hydroelectric Power Plant, Santo Tomás de Los Plátanos, 7/VIII/2012, 1,326 m elev., 19.16079° N–100.30276° W, colls. D. Barrales, R. Monjaraz, P. Ortíz, C. Santibanez, 1 ex., (**new state record**). **Quintana Roo:** “Alfredo Barrera Medina” Botanical Garden, Puerto Morelos, 20/VII/2010, 23 m elev., 20.84596° N–86.90329° W, colls. O. Francke, J. Cruz-López, C. Santibañez, G. Montiel, D. Barrales, G. Contreras, M. Paradiz, 2 exs.; Rancho Guadalupe, municipality of Solidaridad, 21/VII/2010, 16 m elev., 20.74276° N–86.98919° W, colls. O. Francke, J. Cruz-López, C. Santibañez, G. Montiel, D. Barrales, G. Contreras, M. Paradiz, 6 exs., (**new state record**).

Geographical distribution. See Cupul-Magaña (2010a).

Distribution in México. Chiapas, Durango, **Estado de México**, Guerrero, Jalisco, **Quintana Roo**, and Tabasco (Pocock 1895–1910, Cupul-Magaña 2010a,b).

Remark. Cupul-Magaña and González-Salazar (2011) used ecological niche modeling to predict the distribution of *R. immarginata* in Estado de México and Quintana Roo.

Family Scolopocryptopidae Pocock, 1896

Subfamily Scolopocryptopinae Pocock, 1896

Scolopocryptops melanostoma Newport, 1845

Scolopocryptops luzonicus Kohlrausch, 1879

Scolopocryptops boholiensis Kohlrausch, 1881

Scolopocryptops megacephalus Kohlrausch, 1881

Scolopocryptops geophilicornis Tömösváry, 1885

Scolopocryptops luzonica Haase, 1887

Otocryptops luzonica var. *australis* Haase, 1887

Otocryptops luzonica var. *celebensis* Haase, 1887

Scolopocryptops longiceps Pocock, 1891

Otocryptops melanostoma Pocock, 1893

Otocryptops luzonicus Pocock, 1894

Otocryptops aculeatus Attems, 1897

Otocryptops melanostomus Kraepelin, 1903

Otocryptops verdescens Chamberlin, 1921

Scolopocryptops melanostomus Crabbill, 1953

Type locality. St. Vincent and the Grenadines.

Exemplars examined. **Querétaro:** outside Cueva El Llano del Conejo, 7/V/2011, 2,003 m elev., 21.37851° N–99.10018° W, colls. O. Francke, G. Contreras, J. Cruz, R. Monjaraz, A. Valdez, 1 ex., (**new state record**).

Veracruz: CNAN-TUX00005, 3 km E Ejido Ruiz Cortinez, municipality of San Andrés Tuxtla, 12/I/2012, 1,152 m elev., 18.52357° N–95.14105° W, colls. O. Francke, G. Montiel, J. Cruz, R. Monjaraz, 1 ex.

Geographical distribution. See Chagas-Júnior (2008) and Cupul-Magaña (2010a).

Distribution in México. Chiapas, Estado de México, Querétaro, Nayarit, and Veracruz (Chagas-Júnior 2008, Cupul-Magaña 2010a).

Subfamily Newportiinae Pocock, 1895

Newportia spinipes Pocock, 1896

Type locality. México: Guerrero, Omilteme (= Omiltemi).

Exemplars examined. Jalisco: Mesa del Ocote, municipality of Chapala, 8/VII/2012, 2,300 m elev., 20° 20' 18.4" N–103° 15' 11.5" W, colls. M. Vázquez, J. Ascencio, G. Contreras, 1 ex., (**new state record**).

Geographical distribution. México (Schileyko and Minelli 1998; Chagas-Júnior and Shelley 2003).

Distribution in México. Jalisco, Guerrero, and Nuevo León (Schileyko and Minelli 1998; Chagas-Júnior and Shelley 2003).

Remark. Mesa del Ocote, Jalisco is the second confirmed locality for *N. spinipes*, the first one is Omilteme, Guerrero according to Chagas-Júnior and Shelley (2003).

Newportia stollii (Pocock, 1896)

Newportia mimetica Chamberlin, 1922

Newportia sulana Chamberlin, 1922

Type locality. Guatemala: Quezaltenango (= Quetzaltenango).

Exemplars examined. Chiapas: Gruta de Arcotete, municipality of San Cristobal de las Casas, 17/VI/2011, 2,323 m elev., 16.72547° N–92.58463° W, pine-oak forest, colls. O. Francke, A. Valdez, C. Santibañez, J. Cruz, R. Monjaraz, G. Contreras, K. Zárate, 2 exs.; outside Cueva de Las Abejas, municipality of San Fernando, 19/VI/2011, 1,190 m elev., 16.84874° N–93.24327° W, disturbed cloud forest, colls. O. Francke, A. Valdez, C. Santibañez, J. Cruz, R. Monjaraz, G. Contreras, K. Zárate, 1 ex.; km 44 road to Campo Alegre, municipality of Las Margaritas, 17/XII/2011, 1,410 m elev., 16° 21.287' N–91° 42.470' W, cloud forest, colls. J. Mendoza, G. Contreras, E. Hjelmensen, E. Goyer, 1 ex.

Geographical distribution. Belize, Brazil, Colombia, El Salvador, Guatemala, Honduras, and México (Schileyko and Minelli 1998).

Distribution in México. Campeche, Chiapas, and Veracruz (Schileyko and Minelli 1998; Chagas-Júnior and Shelley 2003).

Family Scolopocryptopidae Pocock, 1896

Subfamily Ectonocryptopinae Shelley and Mercurio, 2005

Ectonocryptoides quadrimeropus Shelley and Mercurio, 2005

Type locality. México: Jalisco, Field Station (Universidad Nacional Autónoma de México) at Chamela. The site is approximately 59 km N Barra de Navidad on Highway 200, the coastal highway.

Exemplars examined. Oaxaca: 3 km SE Chivela, 20/III/2011, 218 m elev., 16° 41' 44.9" N–94° 57' 59.8" W, dunes, colls. G. Montiel, G. Contreras, D. Barrales, 1 ex., (**new state record**).

Geographical distribution. México.**Distribution in México.** Jalisco, Puebla (Shelley 2009; Cupul-Magaña and Shelley 2011), and Oaxaca.**Remark.** Cupul-Magaña and González-Salazar (2011) used ecological niche modeling to predict the distribution of *E. quadrimeropus* in Oaxaca (and in some other states of south and southwestern México).**Acknowledgments**

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