

LISTS OF SPECIES

Mayflies (Insecta: Ephemeroptera) from Venezuela

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Abstract

A list of the known mayfly (Ephemeroptera) fauna of Venezuela is given, along with the states and bioregions from which each species is known. Depositions of the type specimens of each species are also listed.

Introduction

Knowledge of the systematics of the mayfly fauna of Venezuela is limited. Pescador et al. (2001) pointed out that roughly 5% of the 375 nominal mayfly species known at that time in South America occur in Venezuela, compared to 38% and 30% from Brazil and Argentina, respectively. Smaller countries in the region like Peru and Ecuador have twice as many mayfly species known as does Venezuela. Domínguez et al. (2006) found a similar trend of mayfly diversity among countries in the region. Of the approximately 442 mayfly species known in South America, only 33 species (7.5%) representing 20 genera and six families have been reported from Venezuela. The enormous gap in faunal composition reflects the history of collecting in certain countries rather than the actual taxon richness. Based on the number of published studies on mayflies in the region, it is obvious there has been more concerted collecting in Argentina, Brazil and Chile than in other countries of South America (Pescador et al. 2001)

The checklist herein provides comprehensive records on the mayfly species of Venezuela, and the data include the following: 1) references of the original description of species; 2) life forms in which original descriptions were based; 3) synonymies; 4) specimens from the country; 5) type locality, and depositions of type material; and 6) state and bioregional distributions of the species in Venezuela (provided in Additional

locality data). Related references mention the occurrence of species in the country but without specific locality. Coordinates given in Additional locality data were approximated from Google Earth, 2009, when the data are not given in published records. Abbreviations of deposition of type specimens, states, and bioregions of Venezuela are indicated below. Bioregions follow the classification by MARN (2001). For convenience the families and species within families are listed in alphabetical order.

Depositions of Type Specimens: AMNH (American Museum of Natural History, New York, NY, USA), CU (Cornell University, Ithaca, NY, USA), HAMPG (Hydrobiologische Anstalt der Max-Planck-Gesellschaft, Plön, Germany), EIHG (*Estacion de Investigaciones Hidrológicas de Guayana*, Venezuela, SA), LPSH (*Laboratoire de Petit Saut-HYDRECO*, Fr. Guiana, SA), LHUPS (*Laboratoire d’Hydrobiologie, Université Paul Sabatier*, France), MB (Museum Berlin, Germany), NMC (National Museum Caracas, Venezuela, SA), UU (University Utah, Salt Lake City, USA), FAMU (Florida A&M University, Tallahassee, Florida, USA), IFML (*Instituto-Fundación Miguel Lillo*, Tucumán, Argentina, SA), PCT (Private Collection of J. R. Traver), MIZA (*Museo del Instituto de Zoología Agrícola “Francisco Fernández Yépez”*, Facultad de Agronomía, Universidad Central de Venezuela, Maracay, Edo. Aragua. Venezuela. (IZAM), SA), NMNH (National Museum of Natural History,

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Smithsonian Institution, Washington, DC, USA), ORSTOM (*Institut Français de Recherche Scientifique pour le Développement en Coopération*, France), ULA (*Universidad de Los Andes*, Mérida, Venezuela, SA), VM (Vienna Museum, Austria), ZS (*Zoologische Staatssammlung*, Munich, Germany), ZSBS (*Zoologische Sammlung des Bayerischen Staates*, München, Germany).

States of Venezuela (Figure 1A)

Amazonas (AM), Anzoátegui (AN), Apure (AP), Aragua (AR), Barinas (BA) Bolívar (BO), Carabobo (CA), Cojedes (CO), Distrito Capital Vargas (CV), Distrito Capital (DC), Delta Amacuro (DA), Falcón (FA), Guárico (GU), Lara (LA), Mérida (ME), Miranda (MI), Monagas (MO), Portuguesa (PO), Sucre (SU), Táchira (TA), Trujillo (TR), Yaracuy (YA), Zulia (ZU).

Bioregions of Venezuela (Figure 1B)

Marina [MARI], Insular [INSU], Depresión del Lago de Maracaibo [DLMA], Los Andes [LAND], Sistemas de colinas Lara-Falcón [SCLF], Costera Continental [COSC], Cordillera de la Costa [CORC], Deltaica del Río Orinoco [DROR], Los Llanos [LLLA], Guayana [GUAY].

List of Venezuelan mayflies

BAETIDAE

Baetodes arawak (Traver, 1943)

First record and original description: Traver (1943): 90, *Pseudocloeon arawak*. Holotype: male imago; Antímano, 900 meters; 13/i/1940; R. Lichy. Deposition: FAMU.

Additional locality data: 10°27' N, 66°59' W; Antímano, DC [CORC]

Related references: Nieto (2004): 65, Domínguez et al. (2006): 93.

Baetodes peniculus Mayo, 1973

First record and original description: Mayo (1973): 310. Holotype: male nymph; Mérida State, 13 Km. E. Apartaderos; 24/ii/1969; P. and P. Spangler. Paratypes: 4 nymphs (2 males and 2 females), same data as holotype. Deposition: holotype and paratypes in FAMU.

Additional locality data: 8°48' N, 70°50' W; Apartaderos, ME [LAND]

Related references: Nieto (2004): 72, Domínguez et al. (2006): 98.

Baetodes spinifer Traver, 1943

First record and original description: Traver (1943): 94, *Baetodes spiniferum*. Holotype: male imago; Antímano, 900 meters; 13/i/1940; R. Lichy; in PCT. Allotype: female subimago, same data as holotype. Deposition: Holotype in PCT, allotype in NMC.

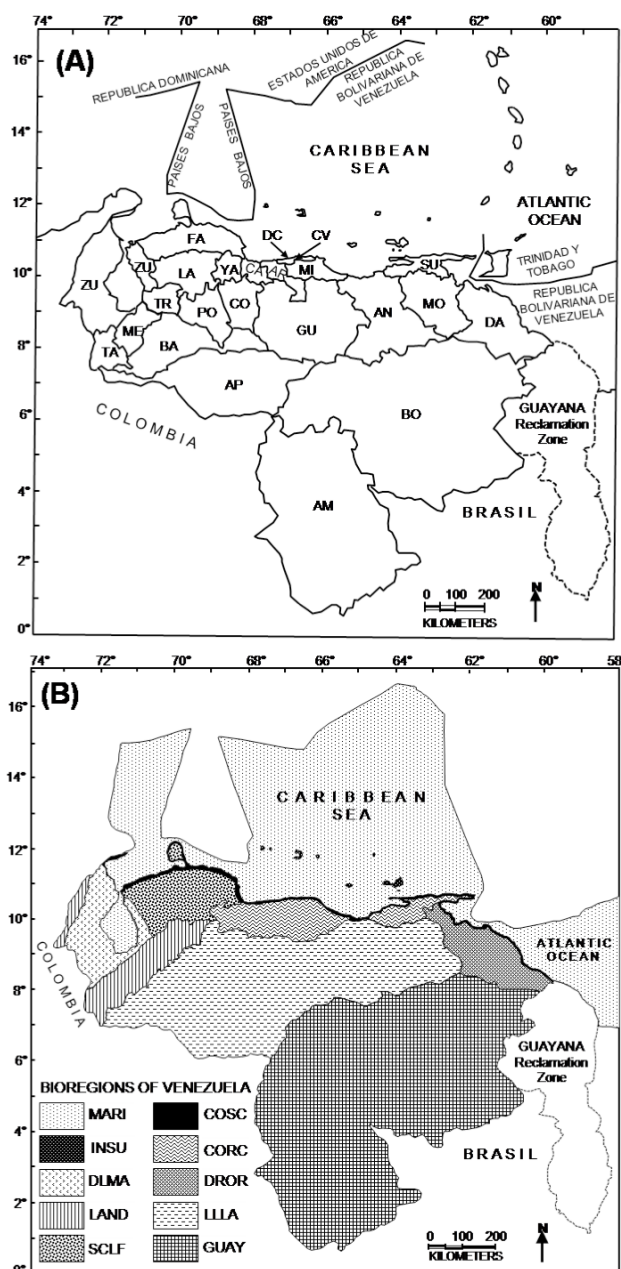


Figure 1. (A) States and (B) Bioregions of Venezuela (modified from MARN 2001). Abbreviations are indicated in the text.

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Additional locality data: 10°27' N, 66°59' W; Antímáno, DC [CORC]

Related references: Nieto (2004): 75, *Baetodes spiniferum*; Domínguez et al. (2006): 102.

Camelobaetidius alcyoneus (Traver, 1943)

First record and original description: Traver (1943): 85, *Baetis alcyoneus*. Holotype: male imago; Antímáno 900 meters; 13/i/1940; R. Lichy. Allotype: female imago; same data as holotype. Paratype: female imago, same data as holotype. Deposition: holotype in FAMU, allotype and paratype in NMC.

Additional locality data: 10°27' N, 66°59' W; Antímáno, DC [CORC]

Related references: Lugo-Ortiz and McCafferty (1999): 258; Domínguez et al. (2006): 127.

Cloeodes anduzei (Traver, 1943)

First record and original description: Traver (1943): 88, *Pseudocloeon anduzei*. Holotype: male imago; Antímáno, 900 meters; 13/i/1940; R. Lichy. Paratypes: 2 male imagos, same data as holotype. Deposition: holotype and 1 male imago paratype in FAMU, 1 male imago paratype in NMC.

Additional locality data: 10°27' N, 66°59' W; Antímáno, DC [CORC]

Related references: Waltz and McCafferty (1987): 197, Domínguez et al. (2006): 148.

Cloeodes venezuelensis (Traver, 1943)

First record and original description: Traver (1943): 92, *Pseudocloeon venezuelensis*. Holotype: male imago, Antímáno, 900 meters; 13/i/1940; R. Lichy. Allotype: female imago, same data as holotype. Paratypes: one male and two female imagos; same data as holotype. Deposition: holotype, allotype and paratypes in FAMU.

Additional locality data: 10°27' N, 66°59' W; Antímáno, DC [CORC]

Related references: Lugo-Ortiz and McCafferty (1999): 261, Domínguez et al. (2006): 153.

EUTHYPLOCIIDAE

Campylocia anceps (Eaton, 1883)

Original description: Eaton [(1883 (1883-1888))]: 38 (male), *Euthyplocia anceps*.

First record: Spieth (1943): 1 (*C. anceps*). Male imago, Mt. Duida 16/x/1928, 4/xi/1928, 7-8/iii/1929; Tate. Deposition: AMNH.

Additional locality data: 3°35' N, 65°30' W; Mt. Duida, AM [GUAY]

Related references: Hubbard (1982): 262, Pereira and Da-Silva (1990): 2, Domínguez et al. (2006): 238.

Euthyplocia hecuba (Hagen, 1861)

Original description: Hagen (1861): 40 (female imago), *Palingenia hecuba*.

First record: Ulmer (1920): 10 (*E. hecuba*). 4 nymphs, Caracas (without collection date), Gollm. Deposition: MB.

Additional locality data: 10°29' N, 66°53' W; Caracas, DC [CORC]

Related references: Gros and Lestage (1927): 121, Ulmer (1942), Demoulin (1952): 11, Hubbard (1982): 263, Domínguez et al. (2006): 241.

LEPTOHYPHIIDAE

Allenhyphes flinti (Allen, 1973)

Original description: Allen (1973): 365 (nymph), *Leptoehyphes flinti*.

First record: Molineri and Flowers (2001): 61 (*A. flinti*). 1 male subimago, Zulia, Perijá El Tucuco, Mission El Tucuco, Río El Tucuco, 5 Km from church, 1-5/x/1979, H. M. Savage; 6 males and > 100 female subimagos, Dist. Baralt, Río Paují, ruta 3 between San Juan y San Antonio, 9-11/x/1979, H. M. Savage. Deposition: FAMU.

Additional locality data: 9°50' N, 72°48' W; Perijá, El Tucuco, ZU [LAND]. 9°46' N, 70°45' W; Dist. Baralt, Río Paují, ZU [DLMA]

Related references: Domínguez et al. (2006): 253.

Leptoehyphes nigripunctum Traver, 1943

First record and original description: Traver (1943): 82. Holotype: male subimago; Antímáno, 900 meters; 13/i/1940; R. Lichy. Deposition: NMC.

Additional locality data: 10°27' N, 66°59' W; Antímáno, DC [CORC]

Related references: Domínguez et al. (2006): 273.

Tricorythodes lichyi Traver, 1943

First record and original description: Traver (1943): 83. Holotype: male imago; Antímáno, 900

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meters; 13/i/1940; R. Lichy. Allotype: female imago, same data as holotype. Paratypes: 33 male imagos, same data as holotype. Deposition: holotype, allotype and 21 male imagos paratypes in NMC; 12 male imagos paratypes in FAMU. Additional locality data: 10°27' N, 66°59' W; Antímáno, DC [CORC]
Related references: Domínguez et al. (2006): 310.

Tricorythopsis volsellus Molineri, 1999

First record and original description: Molineri (1999): 294. Holotype: male imago; TFA, Río Negro, San Carlos de Río Negro; 5-12/iii/1984; O. Flint and J. Louton. Allotype: female imago, same data as holotype. Paratypes: 5 male imagos and 5 female imagos, same data as holotype. Deposition: holotype, allotype, 3 male imagos and 3 female imagos paratypes, in NMNH; 2 male and 2 female paratypes in IFML. Additional locality data: 1°55' N, 67°03' W; Río Negro, San Carlos de Río Negro, AM [GUAY]
Related references: Domínguez et al. (2006): 323.

LEPTOPHLEBIIDAE

Farrodes caribbeanus (Traver, 1943)

First record and original description: Traver (1943): 79 (*Thraulius caribbeanus*). Holotype: male imago; Antímáno, 900 meters; 13/i/1940; R. Lichy. Allotype: female imago, same data as holotype. Paratype: female subimago, same data as holotype. Deposition: holotype in FAMU; allotype and paratype in NMC.
New record: Domínguez (1999): 159 (*Farrodes caribbeanus*). 21 male imagos, 3 female imagos, 7 male subimagos, 8 nymphs; Aragua State, P.N. Henry Pittier, Río La Trilla, 22.5 Km N of Rancho Grande on Road; 17-19/ix/1979; H.M. Savage. Deposition: FAMU.
Additional locality data: 10°27' N, 66°59' W; Antímáno, DC [CORC]. 10°25' N, 67°42' W; Henry Pittier National Park, AR [CORC]
Related references: Hubbard (1982): 267, Domínguez et al. (2006): 372.

Farrodes longispinus Domínguez, Molineri and Peters, 1996

First record and original description: Domínguez et al (1996): 95. Holotype: male imago; T.F. Amazonas, Cerro La Neblina, Basecamp, 0°50' N, 66°94' W (longitude data obviously erroneous, corrected coordinates are given below), 140 m, 4-

12/ii/1984; D. Davis, T. McCabe. Deposition: NMNH (according to J. Peters, personal communication).

Additional locality data: 00°49'50" N, 66°09'40" W (data were supplied by O. S. Flint from NMNH); Cerro La Neblina, AM [GUAY].

Related references: Domínguez et al. (2006): 373

Farrodes savagei Domínguez, 1999

First record and original description: Domínguez (1999): 164. Holotype: male imago; Zulia State, Perija, El Tucuco, Mission El Tucuco, Río del Pelaya, 2 1/2 km from church, 28–30/xi/1979. H. M. Savage; in FAMU. Allotype: female imago, same data as holotype. Paratypes: 6 male imagos, 2 female imagos, 6 nymphs, same data as holotype; 1 male subimago, 6 nymphs, same data as holotype, except date: 1–5/x/1979; 2 female imagos, 1 nymph, same data as holotype, except dates: 9–11/x/1979. Deposition: holotype, allotype and paratypes (4 male imagos, 2 female imagos and 4 nymphs) in FAMU; 2 male imagos and 2 nymphs paratypes in IFML.

Additional locality data: 9°50' N, 72°48' W; Perija, El Tucuco, ZU [LAND]

Related references: Domínguez et al. (2006): 376.

Farrodes tepui Domínguez, Molineri and Peters, 1996

First record and original description: Domínguez et al. (1996): 98. Holotype: male imago; T.F. Amazonas, Basecamp. 0°51' N, 66°10' W, Cerro La Neblina, 140 m, 13-15/iii/1984; O. Flint and J. Louton. Allotype: female imago; T.F. Amazonas, Basecamp. 0°50' N, 66°9'44" W, Cerro La Neblina, 140 m; 1-10/iii/1984; D. Davis and T. McCabe. Paratypes: 9 male imagos, same data as holotype; 1 male imago and 1 female imago, same data as allotype; 21 male imagos, same data as holotype, except date, 20-24/iii/1984. Deposition: holotype, allotype and 17 male imagos paratypes in NMNH; 11 male imagos and 1 female imago paratypes in IFML; 3 male imagos paratypes in FAMU.

Additional locality data: Cerro La Neblina, AM [GUAY]

Related references: Domínguez et al. (2006): 376.

Hagenulopsis minuta Spieth, 1943

Original description: Spieth (1943): 10 (female imago), *Hagenulopsis minutus*

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First record: Peters and Domínguez (2001): 354. Nymphs: T.F. Amazonas, Cerro La Neblina, BaseCamp, 0°50' N, 66°10' W, rapids of Río Baria; 12/ii/1985; P.J. and P.M. Spangler, R. Faitoute. Male imagos: same locality, 4-12/ii/1984, D. Davis and T. McCabe. Male imago: T.F. Amazonas, Cerro La Neblina, Camp VII, 1,800 m, 0°50' N, 66°68' W (longitude questionable), small stream; 30/i/-10/ii/1985; P.J. and P.M. Spangler, R. Faitoute. Male and Female subimagos: T.F. Amazonas, Cerro La Neblina Agua Blanca, 0°49' N and 66°08' W, 160m; 21-21/iii/1984; O. Flint and J. Louton. Deposition: NMNH

Additional locality data: Cerro La Neblina, AM [GUAY]

Related references: Domínguez et al. (2006): 386.

Massartella devani Derka, 2002

First record and original description: Derka (2002): 310. Holotype: mature nymph; Bolivar State, a torrential stream below the waterfall on the southwestern face of the Mt. Roraima crossing a tourist pathway to the Mt. Roraima plateau, ca 2000 m; 3/ii/1999; T. Derka. Paratypes: 1 mature nymph and 6 immature nymphs, same data as holotype. Deposition: holotype and paratypes in MIZA.

Additional locality data: 5°08' N, 60°46' W; Mt. Roraima, BO [GUAY]

Related references: Domínguez et al. (2006): 417.

Massartella venezuelensis Pescador and Peters, 1990

First record and original description: Pescador and Peters (1990): 155. Holotype: mature nymph; Bolivar, La Escalera, 108 km. S Río Cuyuní; 11-12/ii/1976; CM & OSF. Paratypes: 1 female subimago and 5 nymphs, same data as holotype. Deposition: holotype and paratypes in NMNH.

Additional locality data: 6°01' N, 61°28' W; La Escalera, BO [GUAY].

Related references: Domínguez et al. (2006): 418.

Microphlebia surinamensis Savage and Peters, 1983

Original description: Savage and Peters (1983): 572 (male subimago, nymph).

First record: Savage (1987): 107. 1 male subimago Territorio Federal Amazonas, Departamento Río Negro, Cerro La Neblina, Agua

Blanca, 00°48'50" N, 66°08'20" W, 145 m; 20-21/iii/1984; O.S. Flint, Jr. J.A. Louton. Deposition: NMNH.

Additional locality data: Cerro La Neblina, AM [GUAY].

Related references: Domínguez et al. (2006): 435.

Miroculis (Miroculis) bicoloratus Savage, 1987

First record and original description: Savage (1987): 99. Holotype: male imago; Territorio Federal Amazonas, Departamento Río Negro, Cerro La Neblina, Camp II, 2.5-3.5 km NE Pico Phelps (= Neblina); 00°50'0-12" N, 65°58'48" W, 2,085-2,100 m; 18/iii/1984; J. A. Louton. Paratypes: 13 male imagos, same data as holotype. Deposition: holotype and paratypes in NMNH.

Additional locality data: Cerro La Neblina, AM [GUAY].

Related references: Domínguez et al. (2006): 445.

Miroculis (Miroculis) fittkai Savage and Peters, 1983

Original description: Savage and Peters (1983): 529 (male imago, female imago, nymph).

First record: Savage (1987): 103. 3 male imagos: Territorio Federal Amazonas, Departamento Río Negro, Cerro La Neblina, Basecamp on Río Baria (= Río Mawarinuna), 00°49'50" N, 66°09'40" W, 140 m; 20-24/iii/1984; O.S. Flint, Jr. & J. A. Louton. 1 male imago: Territorio Federal Amazonas, Departamento Río Negro, Cerro La Neblina, Agua Blanca, 00°48'50" N, 66°08'20" W, 145 m; 20-21/iii/1984; O.S. Flint, Jr. & J.A. Louton. Deposition: NMNH.

Additional locality data: Cerro La Neblina, AM [GUAY]

Related references: Domínguez et al. (2006): 445.

Miroculis (Miroculis) nebulosus Savage, 1987

First record and original description: Savage (1987): 104. Holotype male imago: Territorio Federal Amazonas, Departamento Río Negro, Cerro La Neblina, Basecamp on Río Paria (= Río Mawarinuna), 00°49'50" N, 66°09'40" W, 140 m; 20-24/iii/1984; O.S. Flint, Jr. & J.A. Louton. Paratypes: 3 male imagos, same data as holotype. Deposition: holotype and paratypes in NMNH.

Additional locality data: Cerro La Neblina, AM [GUAY]

Related references: Domínguez et al. (2006): 447.

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Paramaka convexa (Spieth, 1943)

Original description: Spieth (1943): 10 (male imago), *Thraulodes convexus*

First record: Blanco-Belmonte et al. (2003): 119, *Paramaka convexa*. Nymphs and imagos: Bolivar State, Colibrí Creek, La Llovizna National Park, Caroni River Basin; 25/iii/2000; V. Ruaise and L. Blanco. Deposition: EIHG, LPSH, FAMU and LHUPS.

Additional locality data: 8°18' N, 62°40' W; La Llovizna National Park, BO [GUAY]

Related references: Domínguez et al. (2006): 463.

Simothraulopsis demerara (Traver, 1947)

Original description: Traver (1947): 150, *Thraulodes demerara*

First record: Domínguez et al. (1997): 146, *Simothraulopsis demerara* new combination. Subimagos (sex and number of specimens are not specified in this reference); Bo. Morichal Tauca, 22 mi. E. Río Caura; 8-9/ii/1976; C.M. & O.S. Flint, Jr. Deposition: CU, FAMU, NMNH, ORSTOM, IFML, ZS (deposition of specimens from Venezuela in these institutions is doubtful because this information is not specified in the reference).

Additional locality data: 7°29' N, 65°00' W, San Pedro de Tauca, BO [GUAY].

Related references: Domínguez et al. (2006): 486.

Thraulodes guanare Chacón, Segnini and Domínguez, 1999

First record and original description: Chacón et al. (1999): 252. Holotype: male imago; Portuguesa State, Río Guanare, 200 m; 9/xii/1995; M.M. Chacón, S. Segnini, E. Domínguez. Allotype: female imago, same data as holotype. Paratypes: 7 male imagos and 5 female imagos, same data as holotype. Deposition: holotype, allotype, 4 male and 3 female paratypes in ULA; 3 males and 2 female paratypes in IFML.

Additional locality data: 9°02' N, 69°49' W; Río Guanare, PO [LLLA].

Related references: Domínguez et al. (2006): 502.

Thraulodes marreroi Chacón, Segnini and Domínguez, 1999

First record and original description: Chacón et al. (1999): 255. Holotype: male imago; Portuguesa State, Río Guanare, 200 m; 9/xii/1995; M.M. Chacón, S. Segnini, E. Domínguez. Paratypes: 3

male imagos, same data as holotype. Deposition: holotype and 1 male paratype in ULA; 2 male paratypes in IFML.

Additional locality data: 9°02' N, 69°49' W; Río Guanare, PO [LLLA].

Related references: Domínguez et al. (2006): 504.

Thraulodes mucuy Chacón, Segnini and Domínguez, 1999

First record and original description: Chacón et al. (1999): 250. Holotype: male imago; Mérida State, Río La Mucuy, 2,000 m; 4/xii/1995. M.M. Chacón, S. Segnini, E. Domínguez. Paratypes: 1 male imago, same data as holotype. Deposition: holotype in ULA, paratype in IFML.

Additional locality data: 8°37'57" N, 71°03'31" W; Río La Mucuy, ME [LAND].

Related references: Domínguez et al. (2006): 506.

Thraulodes venezuelana Ulmer, 1943

First record and original description: Ulmer (1943): 23. Holotype: male imago; 1864; Lindig (locality data and exact date are not specified in this reference). Deposition: VM

Related references: Traver and Edmunds (1967): 382; Hubbard (1982): 267; Domínguez et al. (2006): 509.

Tikuna bilineata (Needham and Murphy, 1924)

Original description: Needham and Murphy (1924): 48 (male subimago, female), *Choroaterpes bilineata*.

First record: Peters et al. (2005): 52. *Tikuna bilineata*. 1 male subimago: Zulia State, Dist. Mara, Río Socuy, Campamento Corpozulia, 50 km W of Carrasquero; 6-7/x/1979; H.M. Savage & R.A. Romero. 1 female imago: Zulia State, Perija El Tucuco, Mission El Tucuco, Río El Tucuco, 1/2 km from church; 1-5/x/1979; H.M. Savage. Deposition: NMNH, FAMU, ZSBS.

Additional locality data: 10°45' N, 72°28' W; Río Socuy. 9°50' N, 72°48' W, Perija, El Tucuco. ZU [LAND].

Related references: Domínguez et al. (2006): 511.

OLIGONEURIIDAE

Fittkauneria adusta Pescador and Edmunds, 1994

First record and original description: Pescador and Edmunds (1994): 268. Holotype: mature nymph; La Escalera, 108 km S. Río Cuyuní; 11-

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12/ii/1976; C.M. and O.S. Flint, Jr. Paratypes: 7 mature nymphs, same data as holotype. Deposition: Holotype and 5 nymphs in NMNH, 2 nymphs in MIZA.

Additional locality data: 6°01' N, 61°28' W; La Escalera, BO [GUAY].

Related references: Domínguez et al. (2006): 542.

Fittkaunearia carina Pescador and Edmunds, 1994

First record and original description: Pescador and Edmunds (1994): 268. Holotype: male imago; T.F.A. Camp IV, 0°58' N, 65°57' W, Cerro La Neblina, 750 m; 15-18/iii/1984; O.S. Flint, Jr. Paratypes: 1 mature nymph, T.F.A. Camp V, 0°49' N, 66° 0' W, Cerro La Neblina, 1,250 m, 23-24/iii/1984, O.S. Flint, Jr.; 6 fairly mature nymphs, T.F.A. Camp XI, 0°52' N, 65°50' W, Cerro La Neblina, 26-28/ii/1985, P.J. & P.M. Spangler & R.A. Faitoute; 7 fairly mature nymphs, Amazonas, Dept. Río Negro, small forest stream nr. of Unturan Range, 1,000 m, 1°33' N, 65°12' W, 11/ii/1989. Deposition: Holotype and 6

nymphs paratypes in NMNH, 2 nymphs paratypes in FAMU, 2 nymphs paratypes in MIZA, 2 nymphs paratypes in UU, 2 nymphs paratypes in HAMPG.

Additional locality data: AM [GUAY]

Related references: Domínguez et al. (2006): 542.

POLYMITARCYIDAE

Asthenopus curtus (Hagen, 1861)

Original description: Walker (1853): 554 (*Palingenia albifilum*, var.); Hagen (1861): 304 (*Palingenia curta*); Eaton (1868): 84 (*Campsurus curtus*); Eaton (1871): 59 (male imago, *Asthenopus curtus*).

First record: Spieth (1943): 1 (*A. curtus*). 2 males, Río Casiquiare, 18/iii/1929 (collector unknown). Deposition: AMNH.

Additional locality data: 2°00'-3°08' N, 65°52'-67°06' W; Río Casiquiare, AM [GUAY].

Related references: Traver (1950): 606, Traver (1956): 7, Demoulin (1966): 4, Sattler (1967): 104, Hubbard (1982): 270, Domínguez (1989): 173, Domínguez et al. (2006): 561.

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