



FAMILY EPHYDRIDAE

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Abstract

This catalog presents 53 species of Ephydridae from Colombia that are classified into five subfamilies, 15 tribes and 26 genera. For each species we present the available geographical information.

Key words: catalogue, Colombia, distribution, Ephydridae

Introduction

Ephydridae, commonly known as “shore” or “brine flies”, are a diverse and widely distributed family of Schizophora with 1,954 valid species names (Mathis & Zatwarnicki 1995 and unpublished updates). The diversity exhibited includes more than species richness, and many species have adapted to inhospitable environments, such as sulfurous hot springs, highly alkaline or saline lakes and exposed pools of crude petroleum. Larvae are aquatic or semiaquatic and adults are usually found nearby on the surface of mud or water, or on low, emergent vegetation (Wirth 1968; Foote 1995). Larvae of *Hydrellia* Robineau-Desvoidy are miners in the leaves and stems of various plants, such as Alismataceae, Cruciferae, Hydrocharitaceae, Lemnaceae and others. A few species can be serious agricultural pests, especially in cereal crops, such as rice *Oryza sativa* Linnaeus (Poaceae). In Colombia two species of *Hydrellia* are recorded, *H. griseola* (Fallén) and the “South American rice miner”, *H. wirthi* Korytkowski. The first species destroyed approximately 20 per cent of California’s rice crop in 1953, with an estimated loss of US\$ 16,000,000.00, and the second is an invasive species in the United States (Lange *et al.* 1953; Mathis & Zatwarnicki 1995; Mathis *et al.* 2006; Pantoja & Salazar 1993; Pantoja *et al.* 1993; Rodrigues Júnior *et al.* 2014) and is also a pest in rice.

Adults are small to moderately-sized shore flies, body length 1–11 mm; often usually dull and dark colored, but unusually diverse in body structure, vestiture, and ornamentation, making this family difficult to characterize. Females are often larger than males. Pseudopostocellar setae divergent or lacking. Arista bare, pubescent, or pectinate; arista hair-like rays on dorsum only (except in *Asmeringa* Becker and in some *Ptilomyia* Coquillett); face bearing setae and/or setulae. Wing with humeral and subcostal breaks; Sc vein rudimentary; vein R₁ merging with C before middle of wing; cells bm and dm not separated by a crossvein; cell cup absent. Anepisternum setulose. No preapical dorsal seta on fore- and hindtibiae Mathis (2010).

Wirth (1968)’s catalog was the first to summarize the Neotropical fauna. Reviews of nearby shore-fly faunas that have contributed to our knowledge are those of Argentina (Lizarralde de Grosso 1989), Belize (Mathis 1997b), and Central America (Mathis 2010). We have adopted Zatwarnicki’s (1992) classification for higher categories.

Although several species are known and recorded from the Neotropical Region, including Colombia, this number is certainly an underestimate, as we have seen in Brazilian reviews of *Diphua* Cresson (Mathis & Marinoni 2010), *Parydra* Stenhammar (Mathis & Marinoni 2011) or *Hydrellia* Robineau-Desvoidy (Rodrigues Júnior *et al.* 2014), and numerous species await description.

Acronyms used for the depositories

AMNH—American Museum of Natural History, New York, New York, USA.
ANSP—Academy of Natural Sciences of Philadelphia, Pennsylvania, USA.
BMNH—The Natural History Museum (formerly British Museum (Natural History)), London, UK.
CAS—California Academy of Sciences, San Francisco, California, USA.
CNC—Canadian National Collection, Ottawa, Ontario, Canada
CU—Cornell University, Ithaca, New York, United States.
DEI—Senckenberg Deutsches Entomologisches Institut, Müncheberg, Germany.
HNHM—Hungarian Natural History Museum, Budapest, Hungary.
LACM—Los Angeles County Museum of Natural History, Los Angeles, California, USA.
MACN—Museo Argentina de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina.
MCZ—Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, USA.
MNHN—Muséum National d'Histoire Naturelle, Paris, France.
NMW—Naturhistorisches Museum Wien, Wien, Austria.
NRS—Naturhistoriska Riksmuseet, Stockholm, Sweden.
SMN—Staatliches Museum für Naturkunde, Rosenstein 1, Stuttgart, Baden-Württemberg D-7000, Germany.
UPRG—Universidad Nacional "Pedro Ruiz Gallo", Lambayeque, Peru.
USNM—National Museum of Natural History, (formerly, United States National Museum), Washington D.C., USA.
ZIL—Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia.

List of abbreviations

cat.—catalogue
des.—designation
distr.—geographic distribution
mon.—monotypy
orig. des.—by original designation
pp.—pages
preocc.—preoccupied
refs.—references
rev.—revision
sp., spp.—species
subs.—subsequent
subg.—subgenus
HT—Holotype
LT—Lectotype
NA—Not applicable
NT—Neotype
ST—Syntype
T—Type (unspecified)
F (#)—Female
M (m#)—Male

Catalogue of Ephyridae of Colombia

Family **Ephyridae** Zetterstedt, 1837

Subfamily **Discomyzinae** Acloque, 1897

Tribe **Discomyzini** Acloque, 1987

Genus **Clasiopella** Hendel

Clasiopella Hendel, 1914a: 109. Type species, *Clasiopella uncinata* Hendel, 1914, orig. des. Refs.: Mathis, 1994: 454–465 (rev.).

uncinata Hendel, 1914a: 110. Type locality, Taiwan, Anping. LT F (des. by Mathis, 1994: 460) (DEI). Distr.: Afrotropical: Gambia, Kenya, Madagascar, Senegal, Seychelles (La Digue, Mahé, Praslin). Australasian/Oceanian: Australia (Queensland), Guam, Hawaiian Islands (Hawaii, Midway Island, Molokai, Oahu), Northern Marianas. Nearctic: United States (Florida). Neotropical: Belize, Colombia, Galápagos Islands, Mexico (Tabasco), Tobago, West Indies (Dominica, Grand Cayman, Jamaica). Oriental: Philippines, Taiwan. Refs.: Mathis, 1994: 457–463 (rev.); Mathis and Zatwarnicki, 2003: 596–599 (review, Seychelles).

Genus **Mimapsilopa** Cresson

Mimapsilopa Cresson, 1941a: 36. Type species, *Clasiopella metatarsata* Cresson, 1939, orig. des.; Cresson, 1946: 153 (syn. with *Helaeomyia* Cresson). Refs.: Lizarralde de Grosso, 1982: 121–128 (rev.); Mathis & Zatwarnicki, 1998: 7–24 (rev., West Indian species).

colombiana Lizarralde de Grosso, 1982:126. Type locality, Colombia, Popayan (30 km N), HT M (USNM). Distr.: Colombia (Cauca (Popayán)).

Tribe **Psilopini** Cresson, 1925

Genus **Ceropsilopa** Cresson

Ceropsilopa Cresson, 1917b: 340. Type species, *Ceropsilopa nasuta* Cresson, 1917b, orig. des. *Pelex* Cresson, 1925: 235. Type species, *Pelex purimana* Cresson, 1925, orig. des.; Cresson, 1945: 70 (syn.). *Batula* Cresson, 1940: 2. Type species: *Psilopa mellipes* Coquillett, 1900b, orig. des.; Cresson, 1946: 157 (syn.).

coquilletti Cresson, 1922b: 136. Type locality, United States, California, Monterey: Pacific Grove. HT F (CU). Distr.: Australasian/Oceanian: Hawaiian Islands (Hawaii, Maui, Molokai, Kauai, Oahu). Nearctic: Bermuda, United States (California, Florida, Maryland). Neotropical: Argentina, Bahamas, Belize, Colombia, Grand Cayman, Mexico, Panama, Trinidad, Venezuela, West Indies (Haiti, Puerto Rico).

Genus **Cressonomyia** Arnaud

Plagiops Cresson, 1918: 53. Type species, *Plagiops nitidifrons* Cresson, 1918, orig. des. Preocc., Townsend, 1911 (Diptera: Tachinidae).

Plagiopsis Cresson, 1934: 201 (replacement name for *Plagiops* Cresson, 1918). Type species, *Plagiops nitidifrons* Cresson, 1918.

Cressonomyia Arnaud, 1958: 24 (replacement name for *Plagiopsis* Cresson, 1934). Type species, *Plagiops nitidifrons* Cresson, 1918. Refs.: Mathis & Zatwarnicki, 2004: 249–279 (rev.).

aciculata Loew, 1862: 142 (*Psilopa*). Type locality, West Indies, Cuba, Holguín: Santa Lucia (3 km N; 21°03.3'N, 75°59.8'W). NT M (des. by Mathis & Zatwarnicki, 2004: 256) (USNM). Distr.: United States (Texas), Bahamas, Belize, Brazil (Rio de Janeiro), Colombia (Magdalena), Costa Rica (Alajuela, Cartago, Guanacaste, Limón, Puntarenas, San José), El Salvador, Guyana, Honduras, Mexico (Chiapas, Jalisco, Tabasco, Veracruz), Panama, Paraguay, Peru, Trinidad and Tobago, Venezuela, West Indies (Cuba, Dominica, Dominican Republic, Grenada, Haiti, Jamaica, Montserrat, Puerto Rico, St. Vincent). Refs.: Williston, 1896: 394 (rev.); Mathis & Zatwarnicki, 2004: 255–262 (rev.).

Genus **Leptopsilopa** Cresson

Leptopsilopa Cresson, 1922b: 136. Type species, *Psilopa similis* Coquillett, 1900a, orig. des. Refs.: Mathis & Zatwarnicki, 2006: 85–138 (review, New World species).

flavicoxa Mathis & Zatwarnicki, 2006: 111. Type locality, Belize, Sann Creek: Cockscomb Basin Wildlife Sanctuary (16°47'N, 88°30'W). HT M (USNM). Distr.: Neotropical: Argentina, Belize, Bolivia (La Paz), Brazil (Bahia, Paraná, Rio de Janeiro, Santa Catarina), Colombia (Antioquia), Costa Rica (Alajuela, Cartago, Guanacaste, Heredia, Limón, Puntarenas, San José), Ecuador (Los Ríos, Manabí, Orellana, Pichincha), El Salvador, Guyana, Honduras, Mexico (Chiapas, Guerrero), Nicaragua, Panama (Canal Zone), Trinidad & Tobago, Venezuela (Barinas, Sucre).

subapicalis Cresson, 1922b: 136. Type locality, Trinidad & Tobago, Trinidad, Port of Spain (10°39'N, 61°31'W). HT F (HNHM), (ANSP). Distr.: Neotropical: Colombia (Magdalena (Aracataca)), Costa Rica, Honduras, Panama, Trinidad, Venezuela. Refs.: Cresson, 1938: 30, 31 (key; review); 1946: 156, 162 (review; key); Wirth, 1968: 10 (Neotropical catalog); Lizarralde de Grosso, 1989: 28 (list, Argentina); Mathis & Zatwarnicki, 1995: 37 (world cat.); 2006: 130–133 (rev.).

Genus **Peltopsilopa** Hendel

Peltopsilopa Hendel, 1914b: 156. Type species, *Peltopsilopa aspistes* Hendel, 1914b, orig. des. Refs.: Malloch, 1941: 125–126 (review). Savaris *et al.* 2016: 83–98 (rev.).

anisotomoides Karsch, 1884: 173 (*Celyphus*). Type locality, “Bengal”. HT F (ZMHU). Distr.: Neotropical: Brazil (Maranhão, Pernambuco), Colombia (Magdalena), Ecuador (Guayas, Sucumbiois), Venezuela (Carabobo). Refs.: Savaris, *et al.*, 2016: 92–96 (rev., generic comb., syn. with *P. aspistes* Hendel).

Genus **Psilopa** Fallén

Psilopa Fallén, 1823: 6. Type species, *Notiphila nitidula* Fallén, 1813, subs. des. by Rondani, 1856: 132.

Hygrella Haliday, 1839: 223 (as a subgenus of *Notiphila*). Type species, *Notiphila nitidula* Fallén, 1813, subs. des. by Westwood, 1840: 153; Loew, 1860: 8 (syn.).

Ephygrobia Schiner, 1862: 432 (unnecessary replacement name for *Psilopa* Fallén).

Diasemocera Bezzi, 1895: 137 (as a subgenus of *Psilopa*). Type species, *Psilopa nigrotaeniata* Bezzi, 1895 (= *Psilopa roederi* Girschner, 1889), mon.; Becker, 1896: 135 (syn. with *Ephygrobia* Schiner).

Domina Hutton, 1901: 90. Type species, *Domina metallica* Hutton, 1901, mon.; Tonnoir & Malloch, 1926: 12 (syn.).

Discocerinella Mercier, 1927: 123. Type species, *Discocerinella omonvillea* Mercier, 1927 (= *Notiphila pulicaria* Haliday, 1839), orig. des.; Collin, 1942: 149 (syn.).

metallina Becker, 1919: 203 (*Leptopsilopa*). Type locality, Ecuador, La Rinconada (3200 m), Cuenca (2532), Tulcan (3002 m). LT M (des. by Mathis & Zatwarnicki, 2006: 134) (MNHN). Distr.: Neotropical: Colombia, Ecuador, Peru. Refs.: Mathis & Zatwarnicki, 2006: 133–134 (review, transferred back to *Psilopa*).

Leptopsilopa metallina; Wirth, 1968: 10 (generic combination); Mathis & Zatwarnicki, 1995: 36 (world cat.).

pulchripes Loew, 1878: 197. Type locality, United States, “Texas”. ST F (MCZ). Distr.: Nearctic: United States (Florida, Illinois, Massachusetts, Texas). Neotropical: Brazil, Bolivia, Colombia, Ecuador, Mexico, Panama, Peru, Paraguay, West Indies (Dominica, Puerto Rico).

Subfamily **Hydrelliinae** Robineau-Desvoidy, 1830

Tribe **Atissini** Cresson, 1942

Genus **Paralimna** Loew

Refs.: Ale-Rocha & Mathis 2015: 1–148 (rev.).

Paralimna Loew, 1862: 138. Type species, *Paralimna appendiculata* Loew, 1862 (= *Notiphila punctipennis* Wiedemann, 1830), mon.

Subgenus **Paralimna** Loew

Paralimna Loew, 1862: 138 (as a genus). Type species, *Paralimna appendiculata* Loew, 1862 (= *Notiphila punctipennis* Wiedemann, 1830), mon.

Poecilothorax Becker, 1922: 73 (as a genus). Type species, *Poecilothorax angustus* Becker, 1922 (= *Paralimna puncticollis* Becker, 1922), mon.; Cresson, 1947b: 108 (syn.).

meridionalis Cresson, 1916: 119. Type locality, Costa Rica. Cartago: La Carpentera. HT M (ANSP 6092). Distr.: Neotropical: Costa Rica (Alajuela, Cartago, Guanacaste, Heredia, Paraíso, Puntarenas, San José), Colombia (Santander), Ecuador (Cotopaxi, El Oro, Guayas, Loja, Napo, Orellana, Pastaza, Pichincha, Tungurahua, Zamora-Chinchiipe), Guyana (Mazaruni-Potaro), Panamá (Chiriquí, Coclé, Guna Yala, Panamá, Veraguas), Peru (Huánuco), Venezuela (Lara, Zulia). Refs.: Ale-Rocha and Mathis, 2015: 47–51 (rev.).

molossus Schiner, 1868: 242. Type locality, “Venezuela”. LT F (des. by Cresson, 1929: 192) (NMW). Distr.: Neotropical: Argentina (Misiones), Bolivia (Bení, La Paz, Santa Cruz), Brazil (Minas Gerais, Santa Catarina, São Paulo), Chile (Arica and Parinacota, Tarapaca), Colombia (Magdalena), Ecuador (Azuay, Guayas, El Oro), Paraguay (Guaira, Pirapó), Peru (Cuzco, El Conde, Huánuco, Junín, Lima, Loreto, Madre de Dios), Trinidad and Tobago, Venezuela (Barinas, Bolívar Carabobo, Lara). Refs.: Ale-Rocha and Mathis, 2015: 51–54 (rev.).

secunda Schiner, 1868: 241. Type locality, “Venezuela”; LT F (des. by Cresson 1929: 185) (NMW). Distr.: Neotropical: Belize (Stann Creek), Bolivia (Bení, La Paz), Brazil (Amazonas, Pará, São Paulo, Tocantins), Colombia (Magdalena), Ecuador (El Oro, Guayas, Loja, Orellana, Sucumbios), El Salvador (La Libertad, San Salvador, Santa Ana), Guatemala (Chimaltango, Escuintla, Guatemala, Iazabal, Zacapa), Guyana, Mexico (Chiapas, Veracruz-Llave), Panamá (Coclé, Panamá), Paraguay (Asunción, President Hayes), Peru (Cuzco, Loreto), Trinidad and Tobago, Venezuela (Amazonas, Carabobo), West Indies (Cuba). Refs.: Ale-Rocha and Mathis, 2015: 84–89 (rev.).

thomae Wiedemann, 1830: 593. Type locality, St. Thomas (18°21'N, 64°56'W); ST M (UZMC). Distr.: Nearctic: Mexico (Colima, México, Morelos, San Luis Potosí, Tamaulipas). United States (Arizona, California, Florida, Texas). Neotropical: Bahamas, Belize (Corozal, Stann Creek), Bolivia, Colombia, Costa Rica (Cartago, Guanacaste, Heredia, Puntarenas), Ecuador (Chimborazo, El Oro, Guayas, Loja, Manabí, Pastaza), El Salvador, Guatemala (Escuintla, Izabal, Zacapa), Guatemala (Escuintla), Guyana, Honduras (Cortés), Mexico (Chiapas, Cuernavaca, Oaxaca, Tabasco, Veracruz-Llave), Nicaragua, Panamá (Coclé, Herera), Peru (Lima, Loreto, Madre de Dios), Trinidad and Tobago, Venezuela (Carabobo, Lara, Zulia), West Indies (Barbados, British Virgin Islands, Cuba, Dominica, Dominican Republic, Grand Cayman, Grenada, Guadeloupe, Haiti, Jamaica, Navassa, Puerto Rico, St. Croix, St. Lucia, St. Thomas, St. Vincent, Trinidad). Refs.: Cogan and Wirth, 1977: 335 (generic comb.). Ale-Rocha and Mathis, 2015: 102–109 (rev.).

Subgenus **Phaiosterna** Cresson

Phaiosterna Cresson, 1916: 104. Type species, *Paralimna decipiens* Loew, 1878, orig. des. Refs.: Cresson, 1947a: 54–55 (review, Neotropical species); 1947b: 115–117 (review, Afrotropical species, key); 1948: 9–11 (review, Australasian species, key); Wirth, 1965: 748 (Nearctic catalog); 1968: 16 (Neotropical catalog); Cogan & Wirth, 1977: 334 (syn. with *Paralimna*); Cogan, 1980: 663–664 (Afrotropical catalog, as the subgenus *Paralimna* in part); Mathis & Zatwarnicki, 1995: 126–127 (world cat.); 2002: 67–88 (rev.).

decipiens Loew, 1878: 195. Type locality, United States, “Texas”. ST M (MCZ). Distr.: Nearctic: Bermuda, United States (Alabama, Arizona, Arkansas, California, Florida, Georgia, Indiana, Michigan, Mississippi, Louisiana, New Jersey, North Carolina, South Carolina, Texas, Virginia). Neotropical: Argentina, Belize, Bolivia (La Paz), Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Guyana, Honduras, Mexico (Jalisco, Sonora, Tamaulipas, Veracruz), Panama, Paraguay, Trinidad, Venezuela, West Indies (Barbados, Cuba, Dominica, Dominican Republic, Grand Cayman, Jamaica, Puerto Rico, St. Lucia, St. Vincent, Virgin Islands). Refs.: Osten Sacken, 1878: 201 (Nearctic catalog); Becker, 1896: 270 (list, Texas); Coquillett, 1900b: 259 (list, Puerto Rico); Aldrich, 1905: 624 (Nearctic catalog); Jones, 1906: 178–179 (key, catalog); Thaxter, 1917: 672–675 (parasites: *Stigmatomyces rostratus* Thaxter, *S. paralimnae* Thaxter); 1931: 145–146 (parasite: *S. gracilior* Thaxter); Wirth & Stone, 1956: 470 (list, California).

obscura Williston, 1896: 391. Type locality, West Indies, St. Vincent. LT M (des. by Mathis & Edmiston, 1991: 832) (BMNH). Distr.: Nearctic: Bermuda, United States (California, Florida, Texas). Neotropical: Argentina, Bahamas, Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Guyana, Honduras, Mexico (San Luis Potosí), Panama, Paraguay, Trinidad & Tobago, West Indies (Barbados, Cuba, Dominica, Dominican Republic, Grenada, Jamaica, Puerto Rico, St. Lucia, St. Thomas, St. Vincent, Virgin Islands). Refs.: Coquillett, 1900b: 259 (list, Puerto Rico); Aldrich, 1905: 624 (Nearctic cat.); Jones, 1906: 178–179 (key, cat.).

Tribe **Hydrelliini** Robineau-Desvoidy, 1830

Genus **Hydrellia** Robineau-Desvoidy

Hydrellia Robineau-Desvoidy, 1830: 790. Type species, *Hydrellia communis* Robineau-Desvoidy, 1830 (= *Notiphila griseola* Fallén, 1813), subs. des., Duponchel in d'Orbigny, 1845. Refs.: Collin, 1966: 7–18, 26 plates (review, European species); Deonier, 1971: 1–147 (rev. of Nearctic species); Zatwarnicki, 1988: 587–634 (notes and cat. of species); Bock, 1990: 965–993 (rev. of Australian species).

Hydropota Rondani, 1861: 10 (unjustified replacement name for *Hydrellia* Robineau-Desvoidy, 1830).

griseola Fallén, 1813: 250 (*Notiphila*). Type locality, Sweden. ST ? (ZIL). Distr.: Australasian/Oceanian: Australia (Queensland). Nearctic: Bermuda, Canada (Alberta, British Columbia, Manitoba, Nova Scotia, Ontario, Quebec, Saskatchewan), United States (Alaska, Alabama, Arkansas, California, Connecticut, District of Columbia, Florida, Georgia, Idaho, Iowa, Indiana, Kansas, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Mississippi, Montana, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Vermont, Washington, West Virginia, Wisconsin, Wyoming). Neotropical: Colombia. Oriental: Nepal, Philippines, Taiwan. Palearctic: Afghanistan, Algeria, Austria, Azores, Belgium, Canary Islands, China (Hefei, Xining, NE Tibet), Cyprus, Czech Republic, Denmark, Egypt, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Greece, Hungary, Iceland, Italy, Japan (Hokkaido, Honshu), Macedonia, Madeira Islands, Malta, Morocco, Netherlands, Norway, Oman, Poland, Romania, Russia (European Territory), Slovakia, Spain, Sweden, Switzerland, Tunisia, Ukraine, Yugoslavia. Refs.: Macquart, 1835: 523 (generic combination); Lilljeborg, 1861: 205–215 (biology); Deonier, 1971: 63–69 (revision, immature stages; host plant: *Nasturtium officinale* Brown (Brassicaceae)); Deonier, 1998: 139–149 (revision, North America); Mathis & Zatwarnicki, 1995: 74–78 (world cat.).

wirthi Korytkowski, 1982: 2. Type locality, Peru, Lambayeque: Ferreñafe. HT M (UPRG), biology; host plants: *Oryza sativa* L., *Paspalum* species (Poaceae). Distr.: Nearctic: United States (Louisiana, Texas). Neotropical: Colombia (Valle del Cauca (Jamundí)), Costa Rica, Peru. Refs.: Pantoja *et. al.*, 1993: 1820–1823 (pest in Colombia); Pantoja & Salazar, 1993: 378–379 (ovopositional preference); Salazar *et. al.*, 1993: 38–40 (biology); Mathis & Zatwarnicki, 1995: 94 (world cat.).

Tribe **Notiphilini** Bigot, 1853

Genus **Notiphila** Fallén, 1810

Subgenus **Agrolimna** Cresson

Agrolimna Cresson, 1917a: 48. Type species, *Notiphila scalaris* Loew, 1862, orig. des.

frontalis Coquillett, 1904: 97. Type locality, Nicaragua, Managua. LT M (des. by Cresson, 1917a: 57) (USNM). Dist.: Neotropical: Argentina, Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Mexico, Nicaragua, Panama. *Notiphila pulchrifrons* Williston, 1897: 5 (preocc., Loew, 1872; “Brazil”; ST M (AMNH), (BMNH) (apparently lost). Cresson, 1917a: 56 (syn).

Subfamily **Gymnomyzinae** Latreille, 1829

Tribe **Discocerinini** Cresson, 1925

Genus **Discocerina** Macquart

Discocerina Macquart, 1835: 527. Type species, *Notiphila pusilla* Meigen, 1830 (= *Notiphila obscurella* Fallén, 1813), subs. des. by Cresson, 1925: 253.

Diosocerina. Incorrect original spelling of *Discocerina* (Macquart, 1835: 528).

Clasiopa Stenhammar, 1844: 159 (*Psilopa* “Sectio 1”). Type species, *Notiphila obscurella* Fallén, 1813, original designation; Haliday, 1855: 57 (syn).

chalybea Hendel, 1930: 138. Type locality, Argentina, Lapango, Pilcomayo. ST M/F (NMW), (SMN). Distr.: Nearctic: United States (Alabama, Arkansas, District of Columbia, Iowa, Louisiana, Missouri, Nevada, Tennessee, Texas, Virginia, West Virginia). Neotropical: Argentina, Bolivia, Colombia, Ecuador (Puerto Orellana), Mexico (Veracruz, Sonora), Paraguay, Trinidad and Tobago, West Indies (Dominican Republic, Jamaica, Puerto Rico). Refs.: Zatwarnicki & Mathis, 2001: 22 (*obscurella* group).

flavipes Cresson, 1941a: 35. Type locality, United States, California, Kern (Bakersfield). HT M (ANSP). Distr.: Nearctic: United States (California, Arizona). Neotropical: Argentina, Belize, Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Mexico, Panama, Paraguay, Peru, Venezuela, West Indies (Dominica, Puerto Rico, St. Thomas). Refs.: Zatwarnicki & Mathis, 2001: 22 (*obscura* group).

nitida Cresson, 1918: 57. Type locality, Costa Rica, Guapiles (1100 ft); HT M (ANSP). Distr.: Neotropical: Argentina, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Mexico, Panama, Paraguay, Peru, Venezuela. Refs.: Zatwarnicki & Mathis, 2001: 22 (*obscurella* group).

obscurella Fallén, 1813: 251, (*Notiphila*). Type locality, Sweden; ST F (ZIL). Distr.: Afrotropical: Cape Verde Islands, Kenya, Rodriguez Islands, Zaire. Nearctic: Canada (New Foundland, Ontario, Quebec), United States (Alaska, Alabama, Arkansas, Arizona, California, Connecticut, District of Columbia, Florida, Georgia, Iowa, Illinois, Indiana, Kansas, Louisiana, Maine, Massachusetts, Maryland, Michigan, Missouri, Nebraska, New Hampshire, New Jersey, New Mexico, Nevada, New York, North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Washington). Neotropical: Argentina, Bahamas, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Mexico (Veracruz), Panama, Paraguay, Peru, Venezuela, West Indies (Cuba, Dominica, Jamaica, Puerto Rico, St. Thomas). Palearctic: Austria, Algeria, Azores, Belgium, Bulgaria, Canary Islands, Croatia, Czech Republic, Estonia, Finland, France, Germany, Great Britain, Hungary, Iran, Italy, Jordan, Macedonia, Madeira Islands, Morocco, Netherlands, Poland, Romania, Russia (European Territory, Far East), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Yugoslavia. Refs.: Haliday, 1839: 224 (generic combination); Mathis & Zatwarnicki, 1995: 166–168 (world catalog); 2010: 107–110 (revision); Zatwarnicki & Mathis, 2001: 22 (*obscurella* group).

Genus **Hydrochasma** Hendel

Hydrochasma Hendel, 1936: 101. Type species, *Hydrochasma zernyi* Hendel, 1936 (= *Discocerina faciale* Williston, 1896), mon.

leucoproctum Loew, 1861: 355 (*Discocerina leucoprocta*). Type locality, United States, “Maryland”; HT F (MCZ). Distr.: Nearctic: United States (Florida, Iowa, Maine, Massachusetts, Maryland, Minnesota, Virginia). Neotropical: Argentina, Bolivia, Colombia (Valle del Cauca), Costa Rica, Ecuador, Guatemala, Mexico, Panama, Venezuela, West Indies (Jamaica).

Hydrochasma leucoproctum, Cresson, 1942: 113 (generic comb.). Mathis & Zatwarnicki, 2013: 132–140 (revision).

Genus **Lamproclasiopa** Hendel

Lamproclasiopa Hendel, 1933: 79 (as a subg. of *Discocerina*). Type species, *Lamproclasiopa facialis* Hendel 1933, orig. des. Refs.: Zatwarnicki & Mathis, 2001: 36 (generic status).

Basila Cresson, 1942: 116. Type species, *Ditrichophora nadinae* Cresson, 1925, orig. des. Refs.: Zatwarnicki & Mathis, 2001: 36 (syn).

aracataca Cresson, 1940: 5 (*Discocerina*). Type locality, Colombia, Aracataca. HT F (ANSP 6541). Distr.: Neotropical: Chile, Colombia (Magdalena (Aracataca)). Refs.: Zatwarnicki & Mathis, 2001:36 (generic combination).

nana Williston, 1896: 396 (*Discocerina*). Type locality, West Indies, St. Vincent. LT M (designated by Mathis & Edmiston, 1991: 824) (BMNH). Distr.: Neotropical: Costa Rica, Colombia, West Indies (Dominican Republic, Dominica, Puerto Rico, St. Vincent). Refs.: Cresson, 1924: 159 (generic comb. as *Ditrichophora nana*); Zatwarnicki & Mathis, 2001: 39 (generic comb.).

Genus **Polytrichophora** Cresson

Polytrichophora Cresson, 1924: 161. Type species, *Polytrichophora agens* Cresson, 1924, orig. des. Refs.: Mathis & Zuyin, 1989: 436–437 (rev. of Asian species); Mathis & Zatwarnicki, 2012: 25–116 (rev. of New World species).

barba Mathis & Zatwarnicki, 2012: 46. Type locality, Cuba, Sancti Spiritus, Topes de Collantes (21°54.4'N, 80°01.4'W, 670 m). HT M (USNM). Distr.: Nearctic: Bermuda. Neotropical: Argentina (Tucumán), Bolivia (Beni), Colombia (Valle del Cauca), Ecuador (El Oro, Guayas, Manabi), Guyana, Peru (Cuzco, Loreto, Madre de Dios), Trinidad and Tobago, West Indies (Barbados, Cuba, Dominican Republic, Jamaica, Puerto Rico).

Tribe **Gastropini** Cresson, 1949

Genus **Beckeriella** Williston

Beckeriella Williston, 1897: 2. Type species, *Ephydra bispinosa* Thomson, 1869 (= *Scatophaga bispinosa* Fabricius, 1805), mon. Refs.: Cresson, 1934: 201–205 (review); Lizarralde de Grosso, 1998: 41–56 (rev.; syn. of *Gastrops* with *Beckeriella*).

bispinosa Fabricius, 1805: 210, (*Scatophaga*). Type locality, “America Meridionali”; ST ? (depository unknown). Distr.: Neotropical: Brazil, Colombia (Valle del Cauca), Ecuador, Venezuela. Refs.: Lizarralde de Grosso, 1990: 144–146 (rev.); Williston, 1897: 2 (generic comb.).

clypeata Lizarralde de Grosso, 1986: 134. Type locality, Colombia, Rio Raposo. HT F (CAS). Distr.: Neotropical: Colombia (Valle del Cauca (Rio Raposo)).

paragigas Lizarralde de Grosso, 1991: 39. Type locality, Colombia, Bogotá. HT M (USNM). Distr.: Neotropical: Colombia (Bogotá).

schildi Cresson, 1934: 203. Type locality, Costa Rica, Alajuela, Higuito, San Mateo; HT F (USNM). Distr.: Neotropical: Colombia, Costa Rica, Venezuela. Refs.: Lizarralde de Grosso, 1991: 41 (rev.).

Genus **Gastrops** Williston

Gastrops Williston, 1897: 3. Type species, *Gastrops niger* Williston, 1897, mon. Refs.: Wirth, 1958: 247–250 (rev.). *Ventrops* Grossbeck, 1912: 378 (unavailable name, published as a syn. of *Gastrops* Williston). *Beckeriella* Lizarralde de Grosso, 1998: 41–56 (review; syn. of *Gastrops* with *Beckeriella*).

fuscivenosus Wirth, 1958: 248. Type locality, Costa Rica, Alajuela: Higuito, San Mateo. HT M (USNM). Distr.: Neotropical: Colombia, Costa Rica, El Salvador, Honduras. Refs.: Lizarralde de Grosso, 1984: 74 (review). *Beckeriella fuscivenosa*; Lizarralde de Grosso, 1998: 46 (generic comb.).

niger Williston, 1897: 3. Type locality, “Grenada and Rio de Janeiro”. ST M/F (AMNH). Distr.: Nearctic: United States (Texas). Neotropical: Argentina, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Mexico (Oaxaca), Nicaragua, Panama, Peru, Trinidad, Venezuela, West Indies (Dominica, Grenada). Refs.: Bokerman, 1957: 231–232 (host: egg cluster of frog *Physalaemus cuvieri* Fitzinger (Leptodactylidae); Wirth, 1958: 249–250 (review); Lizarralde de Grosso, 1984: 72 (review). *Beckeriella niger*; Lizarralde de Grosso, 1998: 49 (generic comb.). Refs.: Menin & Giaretta, 2003: 239–243 (biology).

Tribe **Gymnomyzini** Latreille, 1829

Genus **Athyroglossa** Loew

Athyroglossa Loew, 1860: 12. Type species, *Notiphila glabra* Meigen, 1830, mon. Refs.: Wirth, 1970a: 315–319 (review, Nearctic species); Mathis & Zatwarnicki, 1990: 103–133 (rev. of western Palearctic species).

Subgenus **Athyroglossa** Loew

Athyroglossa Loew, 1860: 12. Type species, *Notiphila glabra* Meigen, 1830, mon.
Ochtheroidea Williston, 1896: 401 (as a genus). Type species, *Ochtheroidea atra* Williston, 1896, mon. Refs.: Cresson, 1922a: 334–335 (rev.); Hendel, 1931: 67 (syn).

atra Williston, 1896: 401, (*Ochtheroidea*). Type locality, West Indies, St. Vincent. LT M (des. by Mathis & Edmiston, 1991: 819) (BMNH). Distr.: Neotropical: Colombia, Costa Rica, Ecuador, El Salvador, Mexico (Chiapas, Guerrero, San Luis Potosí, Veracruz), Panama, Trinidad, Venezuela, West Indies (Barbados, Dominica, Grenada, Jamaica, St. Vincent). Refs.: Cresson, 1922a: 337–338 (rev.); Wirth, 1968: 3 (syn. with *Athyroglossa glaphyropus* Loew).

fascipennis Cresson, 1918: 60, (*Ochtheroidea*). Type locality, Colombia, Aracataca; HT M (HNHM). Distr.: Neotropical: Brazil, Colombia (Magdalena (Aracataca)), Costa Rica, Ecuador, Panama, Peru, Venezuela. Refs.: Cresson, 1922a: 336–337 (rev.).

nitida Williston, 1896: 397. Type locality, West Indies, St. Vincent. LT F (des. by Mathis & Edmiston, 1991: 821) (BMNH). Distr.: Neotropical: Bolivia, Colombia, Costa Rica, Ecuador, Guyana, Mexico (Chiapas, San Luis Potosí, Tampico, Veracruz), Panama, Venezuela, West Indies (Cuba, Dominica, Puerto Rico, St. Vincent). Refs.: Cresson, 1946: 135 (generic comb.); Hendel, 1930: 140 (generic comb.).

similis Cresson, 1918: 61, (*Ochtheroidea*). Type locality, Costa Rica, Cartago: Cachí, Río Revenatzòn (beach). HT M (ANSP). Distr.: Neotropical: Bolivia, Colombia, Costa Rica, Ecuador, Mexico (Chiapas), Panama, West Indies (Dominica, Virgin Islands). Refs.: Cresson, 1922a: 338–339 (rev.).

Genus **Cerometopum** Cresson

Cerometopum Cresson, 1914: 241. Type species, *Cerometopum mosilloides* Cresson, 1914, orig. des. Refs.: Cresson, 1922a: 324 (rev.).

mosilloides Cresson, 1914: 242. Type locality, Colombia, Barranquilla. HT M (HNHM). Distr.: Neotropical: Argentina, Colombia (Atlántico (Barranquilla)), Paraguay. Refs.: Cresson, 1922a: 324–343 (rev.).

Tribe **Hecamedini** Mathis, 1991

Genus **Diphuia** Cresson

Diphuia Cresson, 1944: 3. Type species, *Diphuia anomala* Cresson, 1944, orig. des. Refs.: Mathis, 1990: 746–756 (rev.); 1997a: 28–36 (review); Mathis & Marinoni, 2010: 803–812 (review; species groups).

anomala Cresson, 1944: 4. Type locality, Panama, Canal Zone: Monte Lirio. HT M (USNM). Distr.: Neotropical: Colombia, Ecuador, Panama, West Indies (Dominica). Refs.: Mathis, 1990: 749–750 (rev.); Mathis & Marinoni, 2010: 806 (review).

Tribe **Ochtherini** Dahl, 1959

Genus **Ochthera** Latreille

Ochthera Latreille, (1802): 462. Type species, *Musca manicata* Fabricius, 1794, subs. Des., Latreille, 1810: 444. Refs.: Clausen, 1977: 451–529 (rev. of Holarctic and Neotropical species); 1980: 205–222 (rev. of some Neotropical species); Zhang & Yang, 2006: 1–22 (review, Chinese fauna).

Subgenus **Ochthera** Latreille

Ochthera Latreille, (1802): 462 (as genus). Type species, *Musca manicata* Fabricius, 1794, subs.t des., Latreille, 1810: 444. *Macrochira* Meigen, 1803: 278 (as genus). Type species, *Musca manicata* Fabricius, 1794, mon.; Robineau-Desvoidy, 1830: 786 (syn).

Ochtera, error for *Ochthera*.

Stenochthera Hendel, 1930: 131 (as genus). Type species, *Stenochthera angustifacies* Hendel, 1930, orig. des.; Clausen, 1980: 206 (syn).

angustifacies Hendel, 1930: 132, (*Stenochthera*). Type locality, Bolivia, El Cairo. LT M (des. by Clausen, 1980: 211) (SMN). Distr.: Neotropical: Argentina, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Jamaica, Mexico (Chiapas, Veracruz), Panama, Paraguay, Peru. Refs.: Clausen, 1980: 211 (generic comb., rev.); Raffone, 2013: 74 (list, Jamaica).

regalis Williston, 1897: 6. Type locality, Brazil, Rio de Janeiro. LT M (des. by Clausen, 1980: 218) (AMNH). Distr.: Neotropical: Argentina, Belize, Bolivia, Brazil, Colombia, Costa Rica, Dominican Republic, Ecuador, Guatemala, Guyana, Honduras, Mexico (Chiapas, Guerrero, Nayarit, Oaxaca, Tabasco, Veracruz), Nicaragua, Panama, Peru, Surinam, Trinidad, Venezuela, West Indies (Cuba, Grand Cayman, Jamaica, Puerto Rico). Refs.: Clausen, 1980: 216–221 (rev.).

Subfamily **Ilytheinae** Cresson, 1943

Tribe **Hyadinini** Phillips *et al.*, 1949

Genus **Nostima** Coquillett

Nostima Coquillett, 1900a: 35. Type species, *Nostima slossonae* Coquillett, 1900a, orig. des. Refs.: Edmiston & Mathis, 2005: 1–108 (rev., New World fauna); 2007: 1–16 (rev., New Zealand fauna).

Philygriola Hendel, 1917: 42. Type species, *Notiphila picta* Fallén, 1813, orig. des.; Cresson, 1930a: 101 (syn).

abbreviata Cresson, 1941b: 3. Type locality, Brazil, Rio de Janeiro: Grajahu. HT M (ANSP). Distr.: Neotropical: Brazil, Colombia, Costa Rica, Ecuador, Mexico (Veracruz), Panama, Venezuela. Refs.: Cresson, 1947a: 40 (review); Edmiston & Mathis, 2005: 11–13 (rev.).

franciscana Edmiston & Mathis, 2005: 29. Type locality, Jamaica, Runaway Bay. HT M (USNM). Distr.: Neotropical: Colombia (Cundinamarca, Valle del Cauca), Guatemala (Peten), West Indies (Cuba, Dominica, Dominican Republic, Guadeloupe, Jamaica, Puerto Rico).

gilvipes (Coquillett), 1900b: 261, (*Hydrellia*). Type locality, Costa Rica, Rio Surubres, Bonnefil Farm (09°36'N, 84°18'W; 800 ft); NT M (des. by Edmiston & Mathis, 2005: 32) (ANSP). Distr.: Nearctic: United States (Florida). Neotropical: Belize (Cayo, Stann Creek), Brazil (Rio de Janeiro), Bolivia (La Paz), Colombia (Antioquia, Valle del Cauca), Costa Rica (Cartago, Puntarenas), Ecuador (Los Ríos, Manabi), El Salvador (La Libertad), Guatemala, Guyana, Honduras (Cortés), México (Chiapas, Guerrero, Puebla, Veracruz), Panama, Venezuela (Barinas), Trinidad, and West Indies (Cuba, Dominican Republic, Jamaica, St. Lucia). Refs.: Cresson, 1941b: 2 (generic comb.); Cresson, 1947a: 40 (review); Edmiston & Mathis, 2005: 31–34 (rev.).

ilytheoides Cresson, 1941b: 8. Type locality, Costa Rica, La Suiza de Turrialba. HT M (ANSP). Distr.: Neotropical: Brazil (Pernambuco), Colombia (Cundinamarca, Valle del Cauca), Costa Rica (Alajuela, Cartago, San José), Ecuador (Manabi, Pichincha), México (Hidalgo, México, Puebla), Peru (Lambayeque, Lima), Venezuela (Tachira). Refs.: Cresson, 1947a: 42 (review); Edmiston & Mathis, 2005: 36–38 (rev.).

niveivenosa Cresson, 1930b: 80. Type locality, West Indies, Puerto Rico, Aguadilla; HT F (USNM). Distr.:

Nearctic: United States (Florida). Neotropical: Bahamas, Belize (Stann Creek), Bolivia (La Paz), Brazil (Rio de Janeiro), Colombia (Antioquia), Costa Rica (Cartago, Puntarenas, San José), Ecuador (Orellana), El Salvador (La Libertad, San Salvador, Santa Ana), Guyana, Honduras (Francisco), México (Chiapas, Guerrero, Morelos, Nuevo Leon, Sonora, Tamaulipas), Panama (Canal Zone, Cocle, Darien), Trinidad, Venezuela, West Indies (Antigua, Barbados, Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe, Jamaica, Puerto Rico, St. Lucia, St. Martin). Refs.: Cresson, 1947a: 41 (review); Edmiston & Mathis, 2005: 52–55 (rev.).

pulchra Williston, 1896: 399, (*Hydrellia*). Type locality, West Indies, St. Vincent. HT M (BMNH). Distr.: Nearctic: United States (Florida). Neotropical: Argentina (Buenos Aires, Catamarca, Chaco, Iguazu), Belize (Cayo), Bolivia (La Paz), Brazil (Santa Catarina), Colombia (Antioquia, Bolivar, Valle del Cauca), Costa Rica (Alajuela, Puntarenas, San José), El Salvador (La Libertad), Guatemala (Suchitepequez), Guyana, Honduras (Cortes), México (Chiapas, Guerrero, Michoacan, Nayarit, Veracruz), Panama (Canal Zone), Paraguay (Central), Peru (Huánaco, Loreto), West Indies (Dominica, Dominican Republic, Guadeloupe, Haiti, Puerto Rico, St. Vincent). Refs.: Cresson, 1947a: 42 (review); Edmiston & Mathis, 2005: 60–63 (rev.); Hendel, 1930: 141 (generic comb.).

slossonae Coquillett, 1900a: 35. Type locality, United States, Florida, Dade: Biscayne Bay. HT F (USNM). Distr.: Nearctic: United States (Florida, North Carolina). Neotropical: Argentina (Salta Tucumán), Bolivia (La Paz), Brazil (Santa Catarina, São Paulo), Colombia (Cundinamarca, Cauca), Costa Rica (Alajuela, Cartago, San José), Ecuador (Chimborazo, El Oro, Pichincha), Guatemala (Chimaltenango), México (Puebla, San Luis Potosí, Veracruz), Panama (Chiriquí), Paraguay (Central), Peru (Cuzco, Huánaco), West Indies (Cuba, Dominican Republic). Refs.: Cresson, 1947a: 42 (review); Edmiston & Mathis, 2005: 69–72 (rev.).

Tribe **Ilytheini** Cresson, 1943

Genus **Zeros** Cresson

Zeros Cresson, 1943: 10. Type species, *Ilythea obscura* Cresson, 1918, orig. des. Refs.: Cresson, 1943: 10–16 (review); Zhang *et al.*, 2007: 872–879 (review, species from China).

flavipes Williston, 1896: 403, (*Ilythea*). Type locality, West Indies, St. Vincent. LT M (des. by Mathis & Edmiston, 1991: 834) (BMNH). Distr.: Afrotropical: Zaire. Nearctic: Bermuda, Canada (Ontario), United States (Iowa, Florida, Ohio, Texas, Virginia). Neotropical: Argentina, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Mexico (Sinaloa, Sonora, Tampico), Panama, West Indies (Cuba, Jamaica, Puerto Rico, St. Vincent). Refs.: Cresson, 1943b: 14 (generic combination, review); Scheiring & Connell, 1979: 609–612 (egg); Hollmann-Schirmacher, 1998: 26–29 (revision).

Subfamily **Ephydrinae** Zetterstedt, 1837

Tribe **Dagini** Mathis, 1982

Genus **Diedrops** Mathis & Wirth

Diedrops Mathis & Wirth, 1976: 126. Type species, *Diedrops aenigma*, Mathis & Wirth, 1976, orig. des. Refs.: Mathis, 1982: 6–10 (review).

roldanorum Mathis & Hogue, 1986: 23. Type locality, Colombia, Tolima, Boqueron (3 km W). HT M (LACM). Pupa, biology; parasitoides: *Trichopria* species (Diapriidae), new genus (Eucollidae). Distr.: Neotropical: Colombia (Tolima (Boqueron)).

Genus **Physemops** Cresson

Physemops Cresson, 1934: 211. Type species, *Psilephydra nemorosa* Cresson 1914, original designation. Refs.: Wirth, 1970b: 170–177 (review); Mathis, 1982: 10–20 (review).

fairchildi Wirth, 1970b: 173. Type locality, Panama, Cerro Campana. HT M (USNM). Distr.: Neotropical: Panama, Colombia (vicinity of Bogota and Medellin). Refs.: Mathis, 1982: 18 (review).

wheeleri Wirth, 1970b: 176. Type locality, Panama, Canal Zone, Las Cruces Trail. HT F (USNM). Distr.: Neotropical: Ecuador, Colombia, Panama. Refs.: Mathis, 1982: 16–18 (review).

Tribe **Parydrini** Wirth & Stone, 1956

Genus **Parydra** Stenhammar

Parydra Stenhammar, 1844: 144 (as “Sectio 3” of *Ephydra*). Type species, *Ephydra aquila* Fallén, 1813, subs. des., Coquillett, 1910: 585. Refs.: Clausen & Cook, 1971: 20–100 (rev. of Nearctic species); Krivosheina, 1989: 209–219 (rev. of Russian species); Mathis & Marinoni, 2011: 505–512 (review, Brazilian species).

Subgenus **Chaetoapnaea** Hendel

Chaetoapnaea Hendel, 1930: 150. Type species, *Ephydra pusilla* Meigen, 1830, orig. des.

nigripes Cresson, 1918: 64, (*Napaea*). Type locality, Costa Rica, Cartago (sweeping over mud). HT M (ANSP). Distr.: Neotropical: Argentina, Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Mexico (Chihuahua, Durango). Refs.: Wirth, 1968: 22 (generic combination); Clausen 1985: 378–382 (revision).

Tribe **Scatellini** Wirth & Stone, 1956

Genus **Limnellia** Malloch

Limnellia Malloch, 1925: 331. Type species, *Limnellia maculipennis* Malloch, 1925, orig. des. Refs.: Andersson, 1971: 53–59 (review, European species); Mathis, 1978: 250–293 (rev. of Nearctic species); Zhang & Yang, 2009: 558–64 (review, Chinese fauna); Krivosheina, 2012: 1–7 (review, Russian species).

Eustigoptera Cresson, 1930a: 126. Type species, *Notiphila quadrata* Fallén, 1813, orig. des.; Cresson, 1935: 362 (syn).

Stictoscatella Collin, 1930: 133. Type species, *Notiphila quadrata* Fallén, 1813, orig. des.; Cresson, 1935: 362 (syn).

Stranditella Duda, 1942: 30 (as a subg. of *Lamproscatella*). Type species, *Notiphila quadrata* Fallén, 1813, orig. des. Refs.: Dahl, 1959: 126 (syn).

huachuca Mathis, 1978: 270. Type locality: United States, Arizona, Cochise, Huachuca Mountains, Ramsey Canyon, Sierra Vista (24 km S; 6,000 ft). HT M (CNC). Distr.: Nearctic: United States (Arizona). Neotropical: Colombia, Mexico (Michoacan), West Indies (Dominican Republic, Jamaica, Puerto Rico).

TABLE 1. Ephydridae species recorded from Colombia.

Subfamily	Tribe	Genus	Species	Author
Discomyzinae	Discomyzini	<i>Clasiopella</i>	<i>uncinata</i>	Hendel, 1941
		<i>Mimapsilopa</i>	<i>colombiana</i>	Lizarralde de Grosso, 1982
	Psilopini	<i>Ceropsilopa</i>	<i>coquilletti</i>	Cresson, 1922
		<i>Cressonomyia</i>	<i>aciculata</i>	(Loew, 1862)
		<i>Leptopsilopa</i>	<i>flavicoxa</i>	Mathis & Zatwarnicki, 2006
			<i>subapicalis</i>	Cresson, 1922
		<i>Peltopsilopa</i>	<i>anisotomoides</i>	Karsch, 1884
		<i>Psilopa</i>	<i>metallina</i>	(Becker, 1919)
Hydrelliinae	Atissini	<i>Paralimna</i> (<i>Paralimna</i>)	<i>pulchripes</i>	Loew, 1878
			<i>molossus</i>	Schiner, 1868

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TABLE 1. (Continued)

Subfamily	Tribe	Genus	Species	Author
			<i>meridionalis</i>	Cresson, 1916
			<i>thomae</i>	Wiedemann, 1830
			<i>secunda</i>	Schiner, 1868
		<i>Paralimna (Phaiosterna)</i>	<i>decipiens</i>	Loew, 1878
			<i>obscura</i>	Williston, 1896
	Hydrelliini	<i>Hydrellia</i>	<i>griseola</i>	(Fallén, 1813)
			<i>wirthi</i>	Korytkowski, 1982
	Notiphilini	<i>Notiphila (Agrolimna)</i>	<i>frontalis</i>	Coquillett, 1904
Gymnomyzinae	Discocerini	<i>Discocerina</i> The <i>obscura</i> Group The <i>obscura</i> Group	<i>flavipes</i>	Cresson, 1941
			<i>chalybea</i>	Hendel, 1930
			<i>nitida</i>	Cresson, 1918
			<i>obscura</i>	(Fallén, 1813)
		<i>Hydrochasma</i>	<i>leucoproctum</i>	(Loew, 1861)
		<i>Lamproclasiopa</i>	<i>aracataca</i>	Cresson, 1940
			<i>nana</i>	Williston, 1896
		<i>Polytrichophora</i>	<i>barba</i>	Mathis & Zatwarnicki, 2012
	Gastropini	<i>Beckeriella</i>	<i>bispinosa</i>	(Fabricius, 1805)
			<i>clypeata</i>	Lizarralde de Grosso, 1986
			<i>paragigas</i>	Lizarralde de Grosso, 1991
			<i>schildi</i>	Cresson, 1934
		<i>Gastrops</i>	<i>fuscivenosus</i>	Wirth, 1958
			<i>niger</i>	Williston, 1897
	Gymnomyzini	<i>Athyroglossa (Athyroglossa)</i>	<i>atra</i>	Williston, 1896
			<i>fascipennis</i>	(Cresson, 1918)
			<i>nitida</i>	(Williston, 1896)
			<i>similis</i>	(Cresson, 1918)
		<i>Cerometopum</i>	<i>mosilloides</i>	Cresson, 1914
	Hecamedini	<i>Diphua</i>	<i>anomala</i>	Cresson, 1944
	Ochtherini	<i>Ochthera (Ochthera)</i>	<i>angustifacies</i>	(Hendel, 1930)
			<i>regalis</i>	Williston, 1897
Ilytheinae	Hyadinini	<i>Nostima</i>	<i>abbreviata</i>	Cresson, 1941
			<i>franciscana</i>	Edmiston & Mathis, 2005
			<i>gilvipes</i>	(Coquillett, 1900)
			<i>ilytheoides</i>	Cresson, 1941
			<i>niveivenosa</i>	Cresson, 1930
			<i>pulchra</i>	(Williston, 1896)
			<i>slossonae</i>	Coquillett, 1900
	Ilytheini	<i>Zeros</i>	<i>flavipes</i>	(Williston, 1896)
Ephydrinae	Dagini	<i>Diedrops</i>	<i>roldanorum</i>	Mathis & Hogue, 1986
		<i>Physemops</i>	<i>fairchildi</i>	Wirth, 1970

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TABLE 1. (Continued)

Subfamily	Tribe	Genus	Species	Author
			<i>wheeleri</i>	Wirth, 1970
	Parydrini	<i>Parydra (Chaetoapnaea)</i>	<i>nigripes</i>	(Cresson, 1918)
	Scatellini	<i>Limnellia</i>	<i>huachuca</i>	Mathis, 1978

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