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CATALOGUE OF NEW WORLD DERMAPTERA (INSECTA) PART III: LABIOIDEA, LABIIDAE¹

HANS REICHARDT

Family LABIIDAE

Labiidae; Burr, 1909d: 323; 1911e: 46 (with key to subfamilies);
Popham, 1965b: 133 (with key to subfamilies and list of genera).

Labiidae is the largest of the families of the order, its species occurring in all zoogeographical Regions. In the New World the family is predominantly Neotropical, only 9 species being known from north of Mexico (only 1 species endemic in the United States), and of these 3 being cosmopolitan species.

Five subfamilies occur in the New World, with a total of 21 genera (18 endemic) and 122 species.

A first part of a revision of the family has been published by Brindle (1968a), including the subfamilies Pericominae, Strongylopalinae and Sparattinae. Other parts are in preparation.

Subfamily PERICOMINAE

Pericominae; Burr, 1911a: 59; 1911e: 46, 47; Popham & Brindle, 1967a: 35; Brindle, 1968a: 275.

Pericomus Burr, 1911

Pericomus Burr, 1911a: 59 (type-species, *Labia tenuipes* Burr, by monotypy); 1911e: 47; Brindle, 1968a: 275.

Distribution: Peru.

tenuipes Burr, 1905a: 487-489 [*Labia*; type-locality, Peru, Junin, Chanchamayo (La Merced, 3,000 m). Holotype ♂, British Museum]; 1911e: 47, pl. 4, figs. 9, 9a-b (dorsal view of male, elytron and tarsus); Brindle, 1966e: 27-28, figs. 1-2 (dorsal view of male; male genitalia; redescription of male and description of female); 1968a: 276 (notes).

Distribution: Peru.

Museu de Zoologia, Universidade de São Paulo.

1. Part I: *Papéis Avulsos de Zoologia* 21:183-193, 1968; Part II: *idem* 22:35-46, 1968.

Subfamily STRONGYLOPSALINAE

Strongylopsalinae; Burr, 1911a: 59; 1911e: 46, 48; Popham, 1965b: 133 (in key); Popham & Brindle, 1967a: 35.

Strongylopsalis Burr, 1900

Strongylopsalis Burr, 1900a: 80 (type-species, *Strongylopsalis inca* Burr, by monotypy); 1911e: 48; Brindle, 1968a: 276, 277 (revision, with key to species).

Distribution: South America.

boliviana Bormans, 1903a: 233-234 (*Carcinophora*; type-locality, Bolivia, Songo. Holotype ♂, Bormans collection; ♀ undescribed); Burr, 1911a: 59 (generic assignment); 1911e: 48, pl. 4, figs. 12, 12a-b (dorsal view, elytron and tarsus); Brindle, 1968a: 276 (notes on status).

Distribution: Bolivia (type-locality).

chelidurodes Bormans, 1880a: 509-510 (*Labia*; type-locality, Peru, Lechugal. Holotype ♀, Varsaw Museum); 1883: 74-75, fig. 12c (abdomen of female; *Labia*; only the female refers to this species; see *Skalistes inopinata* Burr); Burr, 1908c: 50 (synonymy); 1911e: 48; Brindle, 1968a: 277, figs. 2-4 (head, pronotum and elytra; male and female forceps; *cheliduroides*; notes).

inca Burr, 1900a: 81-82 (type-locality, "Peru". Types, 2 ♂, 1 ♀, 2 nymphs, British Museum); 1908c: 50 (proposed synonymy with female of *chelidurodes* Bormans).

Distribution: Peru.

dubia Moreira, 1932: 282, fig. 5 [dorsal view of female; type-locality, Brasil, São Paulo, Cubatão (Piassaguera = "Raiz da Serra"). Holotype ♀, Museu de Zoologia, Universidade de São Paulo; ♂ undescribed]; Brindle, 1968a: 278-279, fig. 8 (pronotum; notes).

Distribution: Brazil (type-locality).

iheringi Rehn, 1918a: 183-185, pl. X, fig. 1 (abdomen, pygidium and forceps of male; type-locality, Brazil, Rio de Janeiro, Itatiaia. Holotype ♂, allotype ♀ and 3 ♀ paratypes, Academy of Natural Sciences, Philadelphia); Menozzi, 1932: 155-156, 167, fig. 4 (male genitalia); Brindle, 1968a: 277-278, figs. 5-7 (head, pronotum and elytra; male and female forceps; notes).

castanea Moreira, 1930: 22-24, figs. 5a-b (dorsal view of male, forceps of female; *Labia*; type-locality, Brazil, Rio de Janeiro, Itatiaia, 2,200 m, ex-Bromeliaceae. Holotype ♂, allotype ♀, Instituto Biológico de Defesa Agrícola, Rio de Janeiro); 1931: 263 (proposed synonymy with *iheringi* Rehn).

Distribution: Brazil (Rio de Janeiro and São Paulo).

koepckeii Brindle, 1968a: 277, 279-280, fig. 1 (dorsal view of holotype; type-locality, Peru, Campanillayo; holotype ♂, allotype ♀, Manchester Museum).

Distribution: Peru (type-locality).

mathurinii Ribeiro, 1931: 290-292, figs. 1-2 (dorsal view and details of forceps and antenna; type-locality, Brazil, Rio de Janeiro, Bonsucesso. Holotype ♂ and allotype ♀, Museu Nacional, Rio de Janeiro); Almeida, 1936: 57-58 (biological notes); Ribeiro, 1937: 37 (record from Pernambuco); Brindle, 1968a: 279 (notes).

Distribution: Brazil (Rio de Janeiro and Pernambuco).

tarsata Hebard, 1924: 115-117, pl. 5, figs. 3-4 (dorsal view of male and detail of forceps; type-locality, Ecuador, Mt. Naupan, 13,500 ft. Holotype ♂ and allotype ♀, Academy of Natural Sciences, Philadelphia); Brindle, 1968a: 279, fig. 9 (pronotum; notes).

Distribution: Ecuador (type-locality).

Subfamily SPONGIPHORINAE

Spongiphorinae; Verhoeff, 1902a: 193-194 (Forficulidae); Burr, 1911a: 59 (with key to genera); 1911e: 46, 49 (with key to genera); Hebard, 1917a: 305-306 (with key to genera); Hincks, 1960: 155; Popham, 1965b: 133, 134 (in key, with list of genera); Popham & Brindle, 1967b: 255, 260-262 (with key to genera of Spongiphorinae + Labiinae).

Spongiphora Serville, 1831

Spongiphora Serville, 1831: 29, 31 (type-species, *Spongiphora croceipennis* Serville, by monotypy); Dohrn, 1864: 417 (proposed synonymy with *Psalidophora* Serville; the latter, however, is the junior and not the senior synonym, as used by Dohrn); Scudder, 1876d: 299 (notes); Burr, 1911e: 49, 50; Hincks, 1949: 633-634 (key to Argentinian species).

Psalidophora Serville, 1839: 29 (no type-species originally designated; name proposed in substitution of *Spongiphora*, since characteristics tied to the name were not always present or visible); Scudder, 1876d: 297 (notes).

Spongophora Agassiz, 1846 (invalid emendation).

Pilex Burr, 1910b: 460 (type-species, *Opisthocosmia bogotensis* Rehn, by original designation); 1911e: 75, 77; Hebard, 1917a: 237 (proposed synonymy with *Spongiphora* Serville); Popham, 1965b: 135 (considered a valid genus of Forficulinae).

Distribution: Neotropical Region.

bormansi Burr, 1897: 313-314 (*Spongophora*; type-locality, Brazil, "Santa Catarina". Holotype ♂, British Museum; allotype ♀,

from Brazil, "Bahia", Bormans collection); 1911e: 50, pl. 4, figs. 13, 13a-b (dorsal view of male, head of male and forceps of male "var"); Menozzi, 1932: 156, 167, fig. 5b (genitalia of male from Santa Leopoldina, Espírito Santo); Hincks, 1949: 636 (Argentinian record).

Distribution: Brazil (Bahia, Espírito Santo and Santa Catarina) and Argentina (Misiones).

buprestoides Kirby, 1891: 519-520, pl. XII, fig. 8 (dorsal view of male; *Labia*; type-locality, Brazil, Amazonas, Tefé. Types, ♂ and ♀, British Museum); Burr, 1914a: 582 (generic assignment).

Distribution: Brazil (type-locality).

croceipennis Serville, 1831: 31-32 (type-locality, "Brazil". Type, Paris Museum); Burr, 1911e: 50, pl. 4, figs. 14, 14a (tarsus and antenna); Menozzi, 1932: 156, 159, fig. 5a (male genitalia).

parallela Westwood, 1837: 178, fig. (dorsal view of male; *Forficula*; type-locality, "Mexico". Holotype, Westwood collection); Burr, 1911e: 50 (proposed synonymy with *croceipennis* Serville).

flavipennis Burmeister, 1838: 752 (*Forficula*; type-locality, "Brazil". Holotype, location unknown); Dohrn, 1864: 418 (proposed synonymy with *croceipennis* Serville).

lherminieri Serville, 1839: 29-30 (*Psalidophora*; type-locality, Guadeloupe, Pointe-à-Pitre. Types, ♂ and ♀, location unknown); Dohrn, 1864: 418 (proposed synonymy with *croceipennis* Serville).

longiforcipata Blanchard, 1843: 214, pl. XXVI, fig. 1 (dorsal view of male; *Forficula*; type-locality, Bolívia, "Santa Cruz". Holotype ♂, location unknown); Dohrn, 1864: 418 (proposed synonymy with *croceipennis* Serville).

longissima Wood, 1874: 279-280, fig. 139 (*Forficesila*; type-locality, Nicaragua, "Choritales", *sic.* Types, location unknown); Scudder, 1876d: 331 (proposed synonymy with *parallela* Westwood).

forfex Scudder, 1876b: 259 (*Spongophora*; type-locality, "Tropical America?". Holotype ♂, location unknown); Burr, 1911e: 50 (proposed synonymy with *croceipennis* Serville); Hebard, 1919: 94-95 (considered a good species, from Colombia, male and female).

dysoni Kirby, 1891: 521, pl. XII, fig. 6 (dorsal view of female; *Spongophora*; type-locality, "Venezuela". Holotype ♀, British Museum); Burr, 1911e: 50 (proposed synonymy with *croceipennis* Serville).

bogotensis Rehn, 1905a: 511-513, fig. 8 (dorsal view of male; *Opisthocosmia*; type-locality, Colombia, Distrito Especial, Bogotá. Holotype ♂, United States National Museum); Burr, 1910b: 460, fig. 4 (hind leg; designation as type-species of *Pilex*); Hebard, 1917a: 237-238 (transference to

Spongiphora, as valid species); Townes, 1945: 353 (proposed synonymy with *croceipennis* Serville); Hincks, 1949: 634-635, figs. 4-5 (head, pronotum and ultimate tergite; as valid species, male and female from Argentina).

Distribution: Central America (Mexico to Panama), Guadeloupe, Colombia, Venezuela, Surinam, French Guiana, Ecuador, Peru, Paraguay, Argentina (Misiones) and Brazil (Espírito Santo, Rio de Janeiro, São Paulo, Santa Catarina and Rio Grande do Sul).

dissimilis Borelli, 1909b: 6, fig. 3 [abdomen and forceps of male; type-locality, Costa Rica, São José, El General (= General Viejo). Types, ♂ and ♀, Turin Museum]; Burr, 1911e: 50.

Distribution: Costa Rica (type-locality).

moreirai Machado Filho & Castro, 1947: 1-3, figs. 1-5 (details and male genitalia; new name for *dissimilis* Moreira, nec Borelli, redescription of male).

dissimilis Moreira, 1930: 20-21, figs. 4a-c (dorsal view of male and details; type-locality, Brazil, "Rio Grande do Sul". Holotype ♂ and allotype ♀, Instituto Biológico de Defesa Agrícola, Rio de Janeiro).

Distribution: Brazil (Santa Catarina and Rio Grande do Sul).

prolixa Scudder, 1876d: 331 (new name for *parallela* Westwood, pars); Burr, 1911e: 50.

parallela Westwood, 1837 (pars); Dohrn, 1862: 227-229, pl. 1, figs. 3, 3a-b (*Psalidophora*; Mexican record); Bormans, 1900b: 56.

Distribution: Mexico and Ecuador.

vicina Borelli, 1904b: 6-7 (type-locality, Paraguay, Guairá, near Villarrica. Types, ♂ and ♀, Turin Museum); Burr, 1911e: 50.

Distribution: Paraguay (type-locality).

Vostox Burr, 1911

Vostox Burr, 1911a: 59 (type-species, *Psalidophora brunneipennis* Serville, by original designation); 1911e: 50, 51; Hincks, 1949: 625, 636-637.

Distribution: New World.

brunneipennis Serville, 1839: 30-31 (*Psalidophora*; type-locality, United States, Pennsylvania, Philadelphia. Types, ♂ and ♀, location unknown); Burr, 1911a: 59 (generic assignment); 1911e: 51, pl. 4, figs. 17, 17a-b (head, antenna and tarsus); Menozzi, 1932: 157, fig. 6 (male genitalia; distribution); Hincks, 1949: 637, fig. 7 (male genitalia); Brindle, 1968d: 34, figs. 48-52 (head and pronotum, genitalia and forceps; notes, synonymy and distribution).

insignis Stal, 1855: 349 (*Psalidophora*; type-locality, Colombia, "Antiochia". Holotype ♀, Stockholm Museum; destroyed, *apud* Sjoestedt, 1933: 3); Burr, 1911a: 59 (generic assignment); Hincks, 1949: 637-639, fig. 8 (male genitalia); Brindle, 1968d: 34 (proposed synonymy with *brunneipennis* Serville).

punctipennis Stal, 1860: 304 (*Forficula*; type-locality, Brazil, Guanabara, Rio de Janeiro. Holotype ♂, Stockholm Museum); Borelli, 1909a: 319 (considered a synonym of *insignis* Stal); Hebard, 1920a: 342; Hincks, 1949: 639-640 (notes on status); Brindle, 1968b: 88 (*puctipennis*, *sic*; notes and Venezuelan record); 1968d: 34 (proposed synonymy with *brunneipennis* Serville).

insularis Bruner, 1906: 137 (*nec* Burr, 1904; *Labia*; type-locality, "Trinidad". Holotype ♀, Bruner collection); Hebard, 1917a: 243 (proposed synonymy with *brunneipennis* Serville).

Distribution: Canada, United States, Central America (Mexico to Panama), Colombia, Venezuela, Trinidad, Surinam, French Guiana, Peru, Bolívia, Paraguay, Brazil (Espírito Santo, Rio de Janeiro, Guanabara, São Paulo, Rio Grande do Sul, Mato Grosso and Goiás) and Argentina (Tucumán and Santiago del Estero).

cabreræ Rehn, 1925: 20-25, figs. 1-4 (dorsal view of male, pygidium of male and female; type-locality, Cuba, Havana, Camoa. Holotype ♂, allotype ♀, Academy of Natural Sciences, Philadelphia).

Distribution: Cuba (type-locality).

dugeti Borelli, 1912b: 233-235, fig. 2 (abdomen and forceps of male; type-locality, Mexico, Puebla, near Tehuacan. Types, 2 ♂, Paris Museum; ♀ undescribed).

Distribution: Mexico (type-locality).

excavatus Nutting & Gurney, 1961: 47-52, figs. 1-8 [forceps, pygidium and genitalia; type-locality, United States, Arizona, Pima Co., Santa Catalina Mts. (2,000-3,000 ft.). Holotype ♂, United States National Museum].

Distribution: United States (Arizona and New Mexico) and Mexico (Sinaloa and Baja California).

geayi Burr, 1904: 295 (*Spongiphora*; type-locality, "Daríen". Holotype ♂, Paris Museum); 1909c: 127 (erroneously synonymized with *insignis* Stal); Hebard, 1933b: 106 (male and female from Panama).

Distribution: Colombia and Panama.

moreirai Menozzi, 1932: 157-158, 167, fig. 7 [forceps and male genitalia; type-locality, Brazil, São Paulo, Paranapiacaba (= Alto da Serra). Holotype ♂, location unknown; ♀ undescribed].

Distribution: Brazil (type-locality).

similis Bormans, 1883: 76, pl. 3, figs. 14, 14a-b (dorsal view of male, pygidium of male and forceps of female; *Spongophora*; type-locality, "Colombia". Types, 1 ♂, 1 ♀, Brünner collection); Burr, 1911a: 59 (generic assignment); 1911e: 51, pl. 3, fig. 17 (dorsal view); 1914d: 274 (Mexican and Panamanian records).

Distribution: Mexico, Panama and Colombia.

Larex Burr, 1911

Larex Burr, 1911a: 60 (type-species, *Spongophora rogersi* Bormans, by monotypy); 1911e: 53, 58 (Labiinae); Brindle, 1968d: 27 (proposed transference to Spongiphorinae).

Distribution: Neotropical Region.

rogersi Bormans, 1893: 8, pl. 2, fig. 6 [dorsal view of male; *Spongophora*; type-locality, Costa Rica, Cartago, Caché (= Cachi). Holotype ♂, British Museum; ♀ undescribed]; Burr, 1911a: 60 (designation as type-species of *Larex*); 1911e: 58, pl. 5, figs. 9, 9a-b (head, antenna and penultimate ventral segment).

Distribution: Costa Rica (type-locality).

surinamensis Brindle, 1968d: 34-35, figs. 28, 29 (dorsal view of male and genitalia; type-locality, Surinam, Waremapan. Holotype ♂, Leyden Museum; ♀ undescribed).

Distribution: Surinam (type-locality).

Purex Burr, 1911

Purex Burr, 1911a: 59 (type-species, *Psalidophora frontalis* Dohrn, by original designation; originally in Spongiphorinae); 1911e: 49, 50; Hebard, 1917b: 306 (in key); 1924: 117 (transference to Forficulidae, Opisthocosmiinae); Popham, 1965b: 136 (returned to Labiidae, Spongiphorinae); Brindle, 1968b: 88-90 (revision, with key to species).

Distribution: Central and South America.

brunneri Bormans, 1903a: 268-269 (*Sphingolabis*; type-locality, Brazil, Amazonas, "upper Rio Amazonas". Holotype ♂, Brünner collection); Borelli, 1904: 9 (description of female from Ecuador); Burr, 1911a: 59 (generic assignment); 1911e: 51, pl. 4, figs. 15, 15a (dorsal view of male and tarsus); Brindle, 1968b: 90-91, figs. 5-6 (dorsal view of male and genitalia; Venezuelan record).

Distribution: Ecuador, Venezuela and Brazil (Amazonas).

divergens Burr, 1899a: 166 [? *Forficula*; type-locality, Ecuador, Esmeraldas, Cachabé (= Cachavi), 3,500 ft. Types, ♂ and ♀, British Museum]; 1911a: 59 (generic assignment); 1912a: 86 (Peruvian record); Brindle, 1968b: 90 (in key).

Distribution: Peru and Ecuador.

esquivelae Brindle, 1968b: 90-91, figs. 1-2 (dorsal view of male and genitalia; type-locality, Venezuela, Monagas, Caripe. Holotype ♂, Museo de Biología, Caracas; ♀ undescribed).

Distribution: Venezuela (type-locality).

formosus Hebard, 1920a: 340-342, pl. 13, figs. 1-2 (penultimate tergite, forceps of male; type-locality, French Guiana, Gourdonville. Holotype ♂, Paris Museum; ♀ undescribed); Brindle, 1968b: 90 (in key).

Distribution: French Guiana (type-locality).

frontalis Dohrn, 1864: 422-423 (*Psalidophora*; type-locality, "Venezuela". Types, 2 ♂, Viena Museum); Burr, 1911a: 59 (designation as type-species of *Purex* Burr); 1911e: 51, pl. 4, fig. 16 (head); Brindle, 1968b: 90, figs. 7-8 (male forceps and genitalia; in key).

panamensis Bormans, 1883: 81, pl. 3, fig. 17 (dorsal view of female; *Ancistrogaster*; type-locality, "Panama". Holotype ♀, Brünner collection); Burr, 1911e: 51 (proposed synonymy with *frontalis* Dohrn).

remotus Burr, 1899a: 165-166 [*Forficula remota*; types, ♂ and ♀, from Ecuador, Chimborazo, Chimbo, 1,000 ft., and Esmeraldas, Cachabé (= Cachavi), 3,500 ft., British Museum] 1911a: 59 (proposed synonymy with *frontalis* Dohrn).

Distribution: Costa Rica, Panama, Venezuela, Ecuador and Peru.

parvicollis Stal, 1860: 304 (*Forficula*; type-locality, Brazil, Guanabara, Rio de Janeiro. Holotype ♂, Stockholm Museum); Burr, 1911e: 51 (generic assignment); 1914d: 274 (Panamanian record).

Distribution: Brazil (Guanabara) and Panama.

propinquus Burr, 1911d: 336 (*Spongiphora propinqua*; type-locality, Brazil, Amazonas, Fonteboa, cited as "Peru, Fonteboa". Holotype ♂, Dohrn collection; ♀ undescribed); 1911e: 51 (generic assignment); Brindle, 1968b: 90 (*propinquus*, *sic*; in key).

Distribution: Brazil (type-locality).

speculiger Stal, 1855: 349 (*Forficula speculigera*; type-locality, Colombia, "Antiochia". Holotype ♂, Stockholm Museum; ♀ undescribed); Bormans, 1900b: 115 (*Forficula speculigera*, indicated as possibly being synonym of *versicolor* Bormans); Burr, 1911e: 51.

Distribution: Colombia (type-locality).

versicolor Bormans, 1883: 86, pl. 3, figs. 20, 20a (dorsal view and male forceps; ?*Forficula*; type-locality, Colombia, Distrito Especial, Bogotá. Holotype ♂, Brünner collection); 1900b: 115 (indication of possible synonymy with *speculiger* Stal); Burr,

1911a: 59 (generic assignment); Brindle, 1968b: 90, figs. 9, 10 (male forceps and genitalia; in key; Venezuelan record).

Distribution: Colombia and Venezuela.

Spongovostox Burr, 1911

Spongovostox Burr, 1911a: 59-60 (type-species, *Forficula quadrimaculata* Stal, from Africa, by original designation); 1911e: 50, 52; Hebard, 1917b: 306 (in key).

Distribution: Ethiopian and Neotropical Regions.

apicedentatus Caudell, 1905c: 461-462, fig. 1a (dorsal view of male; *Spongophora apicedentata*; type-locality, United States, Arizona, Tucson. Types, 1 ♂, 1 ♀, United States National Museum); Burr, 1911a: 60 (generic assignment); 1914d: 275 (Mexican record).

Distribution: United States (Texas, Arizona, New Mexico and California) and Mexico.

asemus Hebard, 1920a: 344-346, pl. 13, fig. 5 (dorsal view of ultimate tergite, pygidium and forceps of male; type-locality, Argentina, Misiones, San Ignacio. Holotype ♂, Paris Museum; ♀ undescribed).

Distribution: Argentina (type-locality).

berlandi Hebard, 1920a: 343-344, pl. 13, fig. 4 (dorsal view of pygidium of male; type-locality, Guatemala, Guatemala, Guatemala. Holotype ♂, Paris Museum; ♀ undescribed).

Distribution: Guatemala (type-locality).

championi Bormans, 1893: 7, pl. 1, fig. 21 (dorsal view of male; *Labia*; type-locality, Panama, Chiriqui, Bugaba. Holotype ♂, British Museum; ♀ undescribed); Burr, 1912b: 336-337, fig. 14 (forceps of male; transference to *Spongovostox*; distribution); Menozzi, 1932: 283 (record from São Paulo).

Distribution: Panama, Venezuela and Brazil (São Paulo).

dubius Moreira, 1931b: 168-169, figs. 1-2 (dorsal view and forceps of male; type-locality, Argentina, "Misiones". Holotype ♂, Deutsches Entomologisches Institut; ♀ undescribed); Hincks, 1949: 645 (indication of being a winged form of *Marava silvestrii* Borelli).

Distribution: Argentina (type-locality).

stigma Dohrn, 1867: 345 (*Psalidophora*; type-locality, "Venezuela". Types, ♂ and ♀, Berlin Museum and Dohrn collection); Burr, 1912b: 335, 337 (Colombian record).

Distribution: Colombia and Venezuela.

Microvostox Hebard, 1917

Microvostox Hebard, 1917b: 306, 310-311 (type-species, *Spongovostox alter* Burr, by original designation); 1917c: 413-414.

Distribution: Central and South America.

alter Burr, 1912b: 336, 337, fig. 13 (forceps of male; *Spongovostox*; type-locality, Bolivia, La Paz, Mapiri. Holotype ♂, Viena Museum; ♂ and ♀ paratypes from "Panama" and Brazil, "Minas Gerais"); Hebard, 1917b: 306 (designation as type-species of *Microvostox* Hebard); Menozzi, 1932: 160, 167, fig. 8b (male genitalia; distribution).

Distribution: Panama, Surinam, Brazil (Rondônia, Guanabara and Minas Gerais), Bolívia and Argentina.

basalis Burr, 1921b: 337, fig. 16 [forceps of male; *Spongovostox*; type-locality, Guatemala, "El Zumbador" (? = San Marcos, El Tumbador). Holotype ♂, British Museum]; Hebard, 1917a: 238 (generic assignment and description of male and female from Guatemala).

Distribution: Guatemala.

bertonii Borelli, 1905: 5-6, fig. (dorsal view of male; *Spongiphora*; type-locality, Paraguay, Alto Paraná, Puerto Bertoni. Holotype ♂, Turin Museum); Hincks, 1949: 642-643, figs. 11-12 (forceps of male and female; generic assignment).

Distribution: Argentina (Misiones and Salta) and Paraguay.

bilineatus Scudder, 1869: 345 (*Labia bilineata*; type-locality, Ecuador, between Quito and Napo. Holotype ♀, location unknown); Burr, 1911e: 56 (*Labia bilineata*); Hebard, 1917b: 312, pl. XXVI, fig. 5 (dorsal view of pygidium of male; generic assignment; Panamanian record); 1933: 106 (Panamanian record, from *Atta* dump).

Distribution: Panama, French Guiana, Ecuador, Peru and Brazil (Rio de Janeiro).

chopardi Hebard, 1920a: 346-348, pl. 13, figs. 6-7 (dorsal view of male and detail of pygidium; type-locality, French Guiana, Nouveau Chantier. Holotype ♂, Paris Museum); Brindle, 1968d: 40-41 (female from Surinam).

Distribution: French Guiana and Surinam.

confusus Borelli, 1905: 6-8, fig. (dorsal view of male; *Spongiphora confusa*; type-locality, Paraguay, Alto Paraná, Puerto Bertoni. Types, ♂ and ♀, Turin Museum); Burr, 1912b: 335-336, 337, fig. 10 (forceps of male; *Spongiphora confusa*; Colombian record); Hebard, 1917c: 414 (generic assignment).

Distribution: Paraguay and Colombia.

equatorius Burr, 1899b: 254-255 (*Labia equatoria*; type-locality, Ecuador, Chimborazo, Chimbo, 3,000 ft. Types, 1 ♂, 1 ♀, British Museum); 1914d: 275 (*Labia equatoria*; Panamanian record); Brindle, 1968d: 38-39, fig. 47 (male forceps; *Microvostox equatoria*; Guianan records).

Distribution: Ecuador, Surinam, French Guiana and Panama.

ghilianii Dohrn, 1864: 424-425 (*Labia*; types, ♂ and ♀, from Brazil, "Pará", French Guiana, Cayenne and "Venezuela", Viena Museum and Dohrn collection); Burr, 1912b: 335, 337, figs. 8-9 (forceps of male; *Spongovostox*; distribution); Hebard, 1917c: 414 (generic assignment).

Distribution: Venezuela, Surinam, French Guiana and Brazil (Pará).

lucidus Brindle, 1968d: 39-40, figs. 26, 27 (dorsal view of male and genitalia; *Microvostox lucida*; type-locality, Surinam, Wia-wia. Holotype ♂, Leyden Museum; ♀ from Surinam, Moengotapoe).

Distribution: Surinam.

parvus Burr, 1912b: 336-337, fig. 12 [forceps of male; *Spongovostox*; type-locality, Surinam, Tapanakoni (= Tapanahoni). Holotype ♂, Viena Museum; paratype ♂ from Guyana, Georgetown]; Hebard, 1917b: 311 (generic assignment); 1920a: 346 (record of male from Costa Rica; according to Hincks, 1949: 642, a distinct species); Hincks, 1949: 640-642, figs. 9-10 (male genitalia and female forceps; description of female from Argentina).

Distribution: Guianas, Argentina (Misiones) and (?) Costa Rica.

pygmaeus Dohrn, 1864: 421-422 (*Psalidophora pygmaea*; type-locality, Brazil, Guanabara, Rio de Janeiro. Types, ♂, Viena Museum and Stal collection); Bormans, 1883: 7, pl. 2, figs. 4-5 (description of female); Caudell, 1907b: 175 (Guatemalan record); Burr, 1912b: 335, 337, fig. 7 (forceps of male; *Spongovostox*); Hebard, 1917b: 311 (generic assignment).

Distribution: Guatemala, Nicaragua, Panama, Venezuela, Peru and Brazil (Amazonas and Rio de Janeiro).

recurrens Burr, 1912b: 337, fig. 15 (forceps of male; *Spongovostox*; type-locality, Brazil, Rio de Janeiro, Nova Friburgo. Holotype ♂, British Museum); Hebard, 1917b: 311 (generic assignment); Menozzi, 1932: 160, 167, fig. 8a (male genitalia; *Spongovostox*; male and female from São Paulo); Hincks, 1949: 644-645, fig. 13 (forceps of male; Argentinian record).

Distribution: Brazil (Rio de Janeiro and São Paulo) and Argentina (Misiones).

schwarzi Caudell, 1907b: 173-174 (*Labia*; type-locality, Guatemala, Alta Verapaz, Cacao, Trece Aguas. Types, 2 ♂ and 2 ♀, United States National Museum); Burr, 1911e: 57, pl. 5, fig. 6 (dorsal view of male; *Labia*); Hebard, 1917b: 311 (generic assignment);

1917c: 414, 416, fig. 2 (pygidium and forceps of male; Mexican record); Rehn, 1933b: 5-6 (male from Amazonas).

Distribution: Mexico (Veracruz), Guatemala and Brazil (Amazonas).

septentrionalis Hebard, 1917c: 414-416, fig. 1 (dorsal view of pygidium and forceps of male; type-locality, Mexico, Tamaulipas, Tampico. Holotype ♂ and allotype ♀, United States National Museum).

ghilianii Dohrn, 1864 (*pars*); Burr, 1914d: 275 (*Spongovostox*; Panamanian and Mexican records).

Distribution: Panama and Mexico.

vicinus Burr, 1912b: 336, 337, fig. 11 (forceps of male; *Spongovostox*; type-locality, Brazil, "Bahia". Holotype ♂, Viena Museum; ♀ undescribed); Hebard, 1917c: 414 (generic assignment).

Distribution: Brazil (type-locality).

Laprobia Hincks, 1960

Laprobia Hincks, 1960: 155-156 (type-species, *Forficula unidentata* Palisot de Beauvois, by original designation).

Distribution: New World.

pulchella Serville, 1839: 42 (*Forficula*; type-locality, United States, New York, Niagara. Types, ♂ and ♀, location unknown); Burr, 1910b: 452 (*Labia*; proposed synonymy with *unidentata* Palisot de Beauvois); Hincks, 1960: 156-157 (generic assignment and notes).

unidentata Palisot de Beauvois, 1817 (*pars*); Burr, 1911e: 57.

melancholica Scudder, 1876d: 267-268 (*Labia*; type-locality, United States, Texas, Waco. Holotype ♀, location unknown); Burr, 1910b: 452 (incorrect synonymization with *unidentata* Palisot de Beauvois); Hebard, 1917d: 319, fig. 4 (proposed synonymy with *pulchella* Serville).

Distribution: United States (East and Southeast) and West Indies (Hispaniola and St. Vincent).

unidentata Palisot de Beauvois, 1817: 165, pl. 14, fig. 3 (dorsal view of male; *Forficula*; type-locality, Hispaniola, Dominican Republic, Santo Domingo. Holotype ♂, location unknown); Rehn & Hebard, 1917: 647-648 (*Prolabia*; notes and distribution); Hincks, 1960: 156, fig. 1 (male genitalia; generic assignment).

minuscula Latreille, 1817: 119, pl. 40, figs. 8-9 (*Forficula*; type-locality, "South America". Holotype ♀, location unknown); Burr, 1911e: 57 (proposed synonymy with *unidentata* Palisot de Beauvois).

guttata Scudder, 1876c: 265-266 (*Labia*; type-locality, United States, "Texas"; types, 1 ♂ and 2 ♀, location unknown); Burr, 1910b: 452 (proposed synonymy with *unidentata* Palisot de Beauvois).

burgessii Scudder, 1876c: 266-267 (*Labia*; type-locality, United States, Florida, Pilatka. Types, 7 ♂ and 7 ♀, location unknown); Burr, 1910b: 451 (proposed synonymy with *unidentata* Palisot de Beauvois).

Distribution: United States (East and Southeast), (?) Canada, West Indies, Nicaragua and Colombia.

Prosparatta Burr, 1911

Prosparatta Burr, 1911a: 61 (type-species, *Sparatta incerta* Borelli, by monotypy; described in Sparattinae); 1911e: 58, 60-61; Hebard, 1917b: 306 (in key).

Distribution: South and Central America.

flavipennula Rehn, 1903c: 306-308 (*Sparatta*; type-locality, Mexico, Veracruz, Motzorongo. Holotype ♂ and allotype ♀, United States National Museum); Burr, 1910b: 457 (incorrectly synonymized with *Vostox insignis* Stal); Hebard, 1917c: 412-413, pl. XXVIII, figs. 3-4 (dorsal view of male pygidium, abdomen and forceps of male; generic assignment and revalidation of species).

Distribution: Mexico and Guatemala.

humilis Hebard, 1917b: 308-310, fig. 1, pl. 26, fig. 1 (dorsal view of male and dorsal view of pygidium of male; type-locality, Panama, Canal Zone, Cabima. Holotype ♂ and allotype ♀, United States National Museum); 1917c: 411-412 (Mexican record); Martorell, 1939: 180 (Venezuelan record).

Distribution: Venezuela, Panama and Mexico.

incerta Borelli, 1905: 11-12, figs. a-b (dorsal view of male and forceps of female; *Sparatta*; type-locality, Paraguay, Alto Paraná, Puerto Bertoni. Types, ♂ and ♀, Turin Museum); 1906b: 12 (*Sparatta*; Costa Rican record); Burr, 1911a: 61 (generic assignment; as the valid name of the species, with *Sparatta plana* Dohrn, *nec* Burmeister, as synonym); 1911e: 61; Rehn, 1916: 221 (Brazilian record); Hebard, 1917b: 310 (Panamanian record); Hincks, 1949: 646 (Argentinian record).

Distribution: Costa Rica, Panama, Brazil (Rondônia), Paraguay and Argentina (Misiones).

var. *gonopygia* Borelli, 1909a: 321, fig. 1 (abdomen and forceps of male; *Sparatta incerta* var. *gonopygia*; type-locality, Mexico, Veracruz, San Francisco. Types, ♂ and ♀, Turin Museum).

Distribution: Mexico (type-locality).

sinaloae Hebard, 1923: 159-161, pl. VI, figs. 1-3 (dorsal view of pygidium and forceps of male and female; type-locality, Mexico, Sinaloa, Venvidio. Holotype ♂ and allotype ♀, Hebard collection).

Distribution: Mexico (type-locality).

Subfamily LABIINAE

Labiinae; Burr, 1911a: 60 (revision with key to genera); 1911e: 47, 53 (revision with key to genera); Popham, 1965b: 134 (list of genera); Popham & Brindle, 1967b: 258, 260-262 (with key to genera of Spongiphorinae + Labiinae).

Labia Leach, 1815

Labia Leach, 1815: 188 (type-species, *Forficula minor* Linnaeus, by monotypy); Scudder, 1876d: 294-295 (notes); Burr, 1911e: 53, 55; Hincks, 1949: 626 (in generic key).

Copiscelis Fieber, 1853: 257 (type-species, *Forficula minor* Linnaeus, by monotypy); Scudder, 1876d: 292 (proposed synonymy with *Labia* Leach).

Distribution: Cosmopolitan.

annulata Fabricius, 1793: 4 (*Forficula*; type-locality, "Americae meridionalis Insulis". Types, location unknown); Burr, 1912a: 89; 1914b: 82, pl. IV, fig. 5; Hincks, 1949: 646.

chalybea Dohrn, 1864: 429 (*Labia*; type-locality, "Venezuela". Types, ♂ and ♀, Berlin, Viena and Dresden Museums); Bormans, 1893: 6, pl. 1, fig. 17 (dorsal view of female); Burr, 1910b: 453 (proposed synonymy with *annulata* Fabricius).

flaviscuta Rehn, 1903c: 305-306 (*Labia*; type-locality, Mexico, Veracruz, Orizaba. Holotype ♀, United States National Museum); Burr, 1910b: 453 (proposed synonymy with *annulata* Fabricius).

Distribution: Central America, West Indies and South America.

arcuata Scudder, 1876a: 257 (*Labia*; type-locality, Brazil, Rio de Janeiro, Vassouras. Holotype ♂, location unknown); Bormans, 1900b: 69 (proposed synonymy with *annulata* Fabricius); Picado, 1913: 345 (Costa Rican record, ex-Bromeliaceae); Hincks, 1949: 646-647 (indication of possibly being a distinct species); Brindle, 1966d: 135, figs. 6-7 (male and female forceps; Costa Rican record).

Distribution: Brazil (Rio de Janeiro), Surinam and Costa Rica.

barberi Hebard, 1917a: 239-240, pl. 16, fig. 4 (dorsal view of male; type-locality, Guatemala, Alta Verapaz, Trece Aguas, Cacao).

Holotype ♂, United States National Museum; ♀ undescribed); 1917c: 414.

bilineata Scudder, 1869 (*pars*); Caudell, 1907b: 173 (Guatemalan record); Burr, 1910b: 453.

Distribution: Guatemala.

biolleyi Borelli, 1906b: 6-8, fig. (dorsal view of male; type-locality, Costa Rica, San José, Costa del Tablazo, 1,600 m. Types, ♂ and ♀, Turin Museum); Picado, 1913: 345 (ex-Bromeliaceae).

Distribution: Costa Rica.

conspicua Borelli, 1906b: 9-10, fig. (dorsal view of male; type-locality, Costa Rica, San José, Costa del Tablazo, 1,600 m. Types, 2 ♂ and 2 ♀, Turin Museum); Picado, 1913: 345 (ex-Bromeliaceae).

Distribution: Costa Rica.

curvicauda Motschulsky, 1863: 2, pl. 2, fig. 1 (*Forficesila*; type-locality, Ceylon, Nora-Ellia Mts. Types, location unknown); Burr, 1911e: 56 (see for non-Neotropical synonymy); Hebard & Rehn, 1917: 640-641 (notes on distribution).

glabricula Kirby, 1891: 520 (type-locality, Brazil, Pará, Santarém. Holotype ♂, British Museum); Burr, 1911e: 56 (proposed synonymy with *curvicauda* Motschulsky).

Distribution: Cosmopolitan; United States (Florida), West Indies, Panama, Surinam and Brazil.

cyanescens Borelli, 1909b: 10-11 (types, ♂ and ♀, from Costa Rica, San José, Santa Maria de Dota and San José; Turin Museum); Picado, 1913: 345 (Costa Rica, ex-Bromeliaceae).

Distribution: Costa Rica.

dorsalis Burmeister, 1838: 754 (*Forficula*; type-locality, "Colombia". Type, location unknown); Burr, 1910b: 453 (incorrect synonymization with *annulata* Fabricius); Rehn & Hebard, 1917: 641; Rehn, 1933b: 6 (distribution); Brindle, 1966d: 135, figs. 5, 8 (male and female forceps; Costa Rica).

trinitatis Bruner, 1906: 136-137 (type-locality, "Trinidad". Types, 1 ♂ and 1 ♀, Bruner collection); Hebard, 1917a: 243 (proposed synonymy with *dorsalis* Burmeister).

Distribution: West Indies, Mexico, Costa Rica, Panama and northern South America.

maeklini Dohrn, 1864: 428 (type-locality, Brazil, Rio de Janeiro, Petrópolis. Holotype ♂, Helsinki Museum; ♀ undescribed); Burr, 1910b: 455 (questionable record from Santo Domingo, San Francisco Mts.).

Distribution: Brazil (Rio de Janeiro) and (?) Santo Domingo.

menozzii Moreira, 1932: 286-288, figs. 12, 13, 19 (forceps of male and female, male genitalia; type-locality, Brazil, "Rio de Janeiro". Types, 2 ♂ and 5 ♀, Instituto Biológico de Defesa Agrícola. Rio de Janeiro).

Distribution: Brazil (type-locality).

mexicana Bormans, 1883: 73, pl. 2, figs. 11, 11a-b (dorsal view of male, forceps of male and female; type-locality, "Mexico". Types, 2 ♂ and 4 ♀, Brünner collection); Burr, 1910b: 456 (Dominican record); Hebard, 1917b: 311 (?*Microvostox*); 1917c: 414.

Distribution: Mexico and Dominica.

var. *longipennis* Borelli, 1915: 1 (*Prolabia mexicana* var. *longipennis*; type-locality, Mexico, Veracruz, Jalapa. Holotype ♂, Turin Museum; ♀ undercribed).

Distribution: Mexico (type-locality).

micans Hebard, 1917b: 313-315, fig. 2, pl. XXVI, figs. 3-4 (dorsal view of male, dorsal view of male pygidium, female abdomen and forceps; type-locality, Panama, Colon, Porto Bello. Holotype ♂ and allotype ♀, United States National Museum).

Distribution: Panama (type-locality).

minor Linnaeus, 1758: 423 (*Forficula*; type-locality, "Europe". Types, location unknown); Burr, 1911e: 55, pl. 5, figs. 7, 7a-c (head, antenna, tarsus, penultimate ventral segment; see for distribution outside the New World and for non-Neotropical synonymy); Hebard, 1917d: 316-317 (distribution in North America); Morse, 1920: 292-293, fig. 23, pl. 13, figs. 6-9 (wing, male and female, forceps and antenna).

minuta Scudder, 1862: 415 (types, 3 ♂ and 1 ♀, from United States, "Massachusetts" and "Virginia"); Dohrn, 1864: 426 (proposed synonymy with *minor* Linnaeus).

Distribution: Cosmopolitan; Canada, United States and Argentina.

modesta Bruner, 1906: 137-138 (*Labia*; type-locality, "Trinidad". Holotype ♂, Bruner collection; ♀ undescribed); Hebard, 1917a: 243 (*Prolabia*); Hincks, 1960: 156 (?*Laprobia*); Popham & Brindle, 1967b: 259 (*Labia*).

Distribution: Trinidad.

nodifer Hebard, 1917a: 240-242, pl. 16, fig. 5 (dorsal view of male; type-locality, Guatemala, Alta Verapaz, Trece Aguas, Cacao. Holotype ♂ and allotype ♀, United States National Museum; paratypes from Mexico, Veracruz, Fortin de las Flores and Cordoba); 1933b: 108 (Panamanian record).

arcuata Scudder, 1876 (*pars*); Caudell, 1907b: 173.

Distribution: Mexico, Guatemala and Panama.

oraedivitis Borelli, 1909b: 8-10, fig. 4 (abdomen and forceps of male; type-locality, Costa Rica, San José, Santa Maria de Dota. Types, ♂ and ♀, Turin Museum).

Distribution: Costa Rica (type-locality).

pallidicornis Brullé, 1836: 81, pl. 29, fig. 2 (*Forficula*; type-locality, "Morée". Holotype ♀, location unknown); Burr, 1899b: 254 (male from Ecuador).

Distribution: Ecuador.

paradoxa Burr, 1904: 299-300 (type-locality, Ecuador, Tungurahua, El Mirador, Santa Ines, 4,100 ft. Holotype ♂, British Museum; ♀ undescribed).

Distribution: Ecuador (type-locality).

rehni Hebard, 1917d: 317-319, figs. 1-3 (dorsal view of female and details; type-locality, United States, Florida, Key West. Holotype ♀, Hebard collection; ♂ undescribed).

minor Linnaeus, 1758 (*pars*); Rehn & Hebard, 1914: 377.

Note: Based on unpublished studies by Hebard, Gurney (1950: 202), lists this species as *Labia pilicornis* (Motschulsky, 1863), of which *rehni* Hebard would be a synonym.

Distribution: United States (type-locality).

rogenhoferi Bormans, 1903a: 238-240 (type-locality, "Ecuador". Holotype ♂, Viena Museum; ♀ undescribed).

Distribution: Ecuador.

rotundata Scudder, 1876b: 263-264 (type-locality, "Mexico". Holotype ♀, location unknown); Bormans, 1883: 75, pl. 3, figs. 13, 13a-c (dorsal view and forceps of male; dorsal view and forceps of female); Hebard, 1917c: 416-417.

Distribution: West Indies, Mexico and Peru.

severini Burr, 1900b: 50-51 (type-locality, "Colombia". Holotype ♂, Brussels Museum; ♀ undescribed).

Distribution: Colombia (type-locality).

tricolor Kirby, 1891: 520 (type-locality, Brazil, Pará, Santarém. Holotype ♂, British Museum; ♀ undescribed); Hebard, 1917c: 414; Ribeiro, 1931: 293.

Distribution: Brazil (Pará and Guanabara).

tristani Borelli, 1906b: 8-9 (type-locality, Costa Rica, Guanacaste La Palma, 1,600 m. Types, 1 ♂ and 2 ♀, Turin Museum).

Distribution: Costa Rica (type-locality).

Formicilabia Rehn & Hebard, 1917

Formicilabia Rehn & Hebard, 1917: 641 (type-species, *Formicilabia caribea* Rehn & Hebard, by original designation).

Distribution: West Indies.

caribea Rehn & Hebard, 1917: 642, pl. LXIII, fig. 6 (dorsal view of female; type-locality, Hispaniola, Dominican Republic, San Francisco Mts. Holotype ♀, United States National Museum); Menozzi, 1931: 323-324, fig. 3 (male genitalia; description of male).

maeklini Dohrn, 1864 (*Labia*; *pars*); Burr, 1910b: 455.

Distribution: West Indies (Hispaniola).

Barygerax Hebard, 1917

Barygerax Hebard, 1917b: 322, 324 (type-species, *Barygerax esau* Hebard, by original designation).

Distribution: Central and South America.

auricoma Rehn, 1903d: 292-293 (*Labia*; type-locality, Costa Rica, Piedras Negras. Holotype ♀, United States National Museum; ♂ undescribed); Burr, 1912a: 88 (*Labia*; Peruvian record); Hebard, 1918: 5 (generic assignment); Brindle, 1966d: 136 (in key).

Distribution: Costa Rica and Peru.

breviforceps Caudell, 1907b: 174-175 (*Labia*; type-locality, Guatemala, Izabal, Livingston. Holotype ♀, location unknown; ♂ undescribed); Hebard, 1918: 5 (generic assignment); Brindle, 1966d: 136 (in key).

Distribution: Guatemala (type-locality).

esau Hebard, 1917b: 324-325, pl. XXVI, figs. 8-9 (dorsal view of male, proximal antennal segments of male; type-locality, Panama, Canal Zone, Paraiso. Holotype ♂, United States National Museum; ♀ undescribed); Brindle, 1966d: 136 (in key).

Distribution: Panama (type-locality).

Eugerax Hebard, 1917

Eugerax Hebard, 1917b: 322, 327-328 (type-species, *Eugerax poecilum* Hebard, by original designation).

Distribution: Central America.

poecilum Hebard, 1917b: 328-329, pl. XXVI, figs. 12-15 (dorsal view of male, proximal antennal segments of male, abdomen and

forceps of male; dorsal view of female; type-locality, Panama, Canal Zone, Paraiso. Holotype ♂ and allotype ♀, United States National Museum); Brindle, 1966d: 135, 136 (Costa Rican record).

Distribution: Costa Rica and Panama.

Gerax Hebard, 1917

Gerax Hebard, 1917b: 322, 325-326 (type-species, *Gerax phantasma* Hebard, by original designation).

Distribution: Panama.

phantasma Hebard, 1917b: 326-327, pl. XXVI, figs. 10-11 (dorsal view of male and proximal antennal segments of male; type-locality, Panama, Panama, Rio Trinidad. Holotype ♂, United States National Museum; ♀ undescribed); Brindle, 1966d: 136 (in key).

Distribution: Panama (type-locality).

Cosmogerax Hebard, 1933

Cosmogerax Hebard, 1933b: 105 (type-species, *Labia formica* Burr, by original designation).

Distribution: South and Central America.

formica Burr, 1911d: 327 (*Labia*; type-locality, Brazil, "Bahia". Types, ♂ and ♀, Dohrn collection); 1911e: 58, pl. 7, fig. 4 (dorsal view; *Prolabia*); Hebard, 1933b: 105 (generic assignment; Panamanian record, *ex-Atta* dump); Rehn, 1949: 7 (Venezuelan and Guatemalan records); Brindle, 1966d: 136 (in key).

Distribution: Brazil (Santa Catarina, Rio de Janeiro and Bahia), Venezuela, Panama and Guatemala.

Marava Burr, 1911

Marava Burr, 1911a: 59, 60 (type-species, *Labia grandis* Dubrony, 1879, from Australia and the Indo-Malayan Archipel, by monotypy); 1911e: 50, 53; Hincks, 1954: 162-163 (see for non-Neotropical synonymy); 1960: 155.

Prolabia Burr, 1911a: 60 (type-species, *Forficula arachidis* Yersin, 1860, by original designation); Hincks, 1954: 162-163 (proposed synonymy with *Marava* Burr, based on synonymy of type-species).

Distribution: Cosmopolitan.

arachidis Yersin, 1860: 509-511, pl. 10, figs. 33-35 (dorsal view of male, forceps of male and female; *Forficula*; type-locality,

France, Marseille. Types, ♂ and ♀, location unknown); Burr, 1911e: 57-58 (see for non-New World synonymy); Morse, 1920: 293-294, pl. 13, figs. 10-11 (antenna and forceps of male; *Prolabia*); Boeseman, 1954: 83 (proposed synonymy with *grandis* Dubrony); Hincks, 1954: 163.

brunnea Scudder, 1876b: 264 (*Labia*; type-locality, "Cuba". Types, 1 ♂ and 1 ♀, location unknown); Caudell, 1913: 598 (proposed synonymy with *arachidis* Yersin).

Distribution: Cosmopolitan; United States, Central America, West Indies and northern South America.

ascencionis Hebard, 1917a: 243-245, pl. 16, figs. 8-9 (dorsal view of male, forceps of female; *Prolabia*; type-locality, Ascencion. Holotype ♂ and allotype ♀, Museum of Comparative Zoology, Cambridge).

Distribution: Ascencion (type-locality).

calverti Rehn, 1921: 308-310, pl. XVII, fig. 1 (forceps and pygidium of male; *Prolabia*; type-locality, Costa Rica, Cartago, Reventazon Valley, below Juan Viñas. Holotype ♂, Academy of Natural Sciences, Philadelphia; ♀ undescribed).

Distribution: Costa Rica (type-locality).

dominicæ Rehn & Hebard, 1917: 643-645, pl. LXII, figs. 1-2, pl. LXIII, fig. 2 (dorsal view of male and pygidium; ultimate abdominal segment and forceps of female; *Prolabia*; type-locality, Dominica, Long Ditton. Holotype ♂ and allotype ♀, American Museum of Natural History); Hincks, 1960: 156 (?*Laprobia*); Popham & Brindle, 1967b: 260 (assigned to *Marava*).

Distribution: Lesser Antilles, Dominica (type-locality).

jamaicana Rehn & Hebard, 1917: 645-647, pl. LXII, figs. 3-4, pl. LXIII, fig. 3 (dorsal view of male, pygidium and ultimate abdominal segment and forceps of female; *Prolabia*; type-locality, Jamaica, Manchester Parish, Mendeville. Holotype ♂ and allotype ♀, Hebard collection); Hincks, 1960: 156 (?*Laprobia*); Popham & Brindle, 1967b: 260 (assigned to *Marava*).

Distribution: Jamaica (type-locality).

paraguayensis Caudell, 1904: 181 (*Labia*; type-locality, Paraguay, Paraguari, Sapucay. Types, 2 ♂ and 2 ♀, United States National Museum); Burr, 1910b: 455, fig. 1 (antenna and forceps; *Labia*); 1911a: 60 (*Prolabia*); 1911e: 57, pl. 5, fig. 8 (antenna; *Prolabia*).

Distribution: Paraguay (type-locality).

silvestrii Borelli, 1905: 8-10, figs. (dorsal view of male; forceps of female; *Labia*; type-locality, Paraguay, Alto Paraná, Puerto

Bertoni. Types, 1 ♂ and 2 ♀, Turin Museum; larva from Argentina, Misiones, Puerto Piray); Burr, 1911a: 60 (generic assignment); Moreira, 1931: 264 (record from Rio de Janeiro); Hincks, 1949: 645 (indication of possible synonymy with *Spongovostox dubius* Moreira).

Distribution: Paraguay, Argentina and Brazil (Guanabara).

triquetra Hebard, 1917c: 417-419, pl. XXVIII, figs. 5-7 (female antenna, male forceps and female abdomen and forceps; *Pro-labia*; type-locality, Mexico, Veracruz, Orizaba. Holotype ♂ and allotype ♀, Hebard collection).

Distribution: Mexico (type-locality).

Subfamily SPARATTINAE

Sparattinae; Verhoeff, 1902a: 198; Burr, 1911a: 60 (with key to genera); 1911e: 47, 58 (revision with key to genera); Popham, 1965b: 134 (with list of genera); Popham & Brindle, 1967a: 36, 37 (with key to genera); Brindle, 1968a: 280-281, 288 (revision, with key to genera).

Mecomera Serville, 1839

Mecomera Serville, 1839: 53-54 (type-species, *Mecomera brunnea* Serville, by monotypy); Scudder, 1876d: 296 (notes); Kirby, 1891: 519; Burr, 1911e: 58, 59; Borelli, 1912b: 237 (genus characterized in relation to *Metasparatta* Borelli); Brindle, 1968a: 288 (notes).

Distribution: South and Central America.

plana Illiger, 1838 (*): 752 [*Forficula* (*Apachys*?)]; type-locality, Brazil, "Pará". Types, location unknown]; Dohrn, 1865: 69 (*Sparatta*; ♂ and ♀ from "Pará" and "Nova Granada"); Kirby, 1903: 68 (*Sparatta*); Burr, 1911a: 61 (*plana* Dohrn, *nec* Illiger, incorrectly considered synonymous with *incerta* Borelli); 1911e: 59, pl. 5, figs. 11, 11a (head and tarsus); Rehn, 1933b: 7-8 (notes and Amazonian record).

(*) There have always been some doubts about the dates of publication of Burmeister's *Handbuch der Entomologie*. Most authors consider it as having been published in 1839, causing confusion, for priority purposes, with Serville's *Histoire Naturelle des Insectes Orthoptères*, published in 1839. Burmeister's work was published in fascicles, and according to Horn & Schenkling (1928: 158), the part that includes the "Dermaptera" (Abteil. 2, 1. Hälfte, Orthoptera, 8 + 397-756), was published in 1838. Another indication that the "*Handbuch*" was published before Serville's "*Histoire Naturelle*", is Burmeister's paper published in 1840, in which he compares his "*Handbuch*" with Serville's work.

I am very much indebted to Dr. Allan Brindle, who untangled the taxonomic situation of *Mecomera plana* (Illiger), *Prosparatta incerta* (Borelli) and *Sparatta dohrni* Kirby, and permitted the publication of his views in this Catalogue.

brunnea Serville, 1839: 54 (type-locality, French Guiana, Guyane, Cayenne. Types, 2 specimens without abdomen, Paris Museum); Bormans, 1883: 71, pl. 2, figs. 10, 10a-c (dorsal view of female, forceps of female, antenna and posterior leg); Burr, 1911e: 59 (proposed synonymy with *plana* Illiger); Brindle, 1968a: 288-289, figs. 10, 17, 20, 21 (head and pronotum, male genitalia, male and female forceps; as the valid name; with notes and synonymy).

gracilis Blanchard, 1843: 214, pl. 26, fig. 2 (dorsal view of male; *Forficula*; type-locality, Bolivia, "Santa Cruz". Holotype ♂, location unknown); Bormans, 1900b: 79 (proposed synonymy with *plana* Illiger).

apicalis Kirby, 1896: 526, pl. 20, figs. 7, 7a (dorsal view and detail of pygidium and forceps; *Sparatta*; type-locality, Brazil, Rio de Janeiro, Teresópolis. Types, ♂ and ♀, British Museum); 1903: 68 (proposed synonymy with *plana* Illiger).

dohrni Kirby, 1903: 68 (*Sparatta*; new name for *plana* Dohrn, nec *plana* Illiger); Burr, 1911e: 61, pl. 5, fig. 15 (head and pronotum; *Prosparatta*; mentioned by Burr as *nom. nud.*).

Distribution: Nicaragua, Costa Rica, French Guiana, Colombia, Peru, Bolívia and Brazil (Pará, Amazonas and Rio de Janeiro).

Metasparatta Borelli, 1912

Metasparatta Borelli, 1912a: 1-2 (type-species, *Metasparatta chacoensis* Borelli, by original designation); 1912b: 236-237 (redescription); Hincks, 1949: 626 (in generic key); Popham, 1965b: 134 (indication of possible synonymy with *Parasparatta* Burr); Brindle, 1968a: 288, 289.

Distribution: South America.

chacoensis Borelli, 1912a: 2, figs. 1-2 (male genitalia and forceps of male; type-locality, Santiago del Estero, Rio Salado. Holotype ♂, Paris Museum); 1912b: 237-238 (redescription); Hincks, 1949: 649, fig. 14 (forceps of female); Brindle, 1968a: 289-290, figs. 19, 22 (male genitalia and forceps).

Distribution: Argentina (Misiones) and Brazil (Rio Grande do Sul, Santa Catarina and São Paulo).

Sparatta Serville, 1839

Sparatta Serville, 1839: 51 (type-species, *Sparatta pelvimetra* Serville, by monotypy); Scudder, 1876d: 299 (notes); Kirby, 1890: 559; Bormans, 1900a: 76-77 (*pars*; with key to species); Burr, 1911e: 58, 59-60; Brindle, 1968a: 288, 290 (revision, with key to species).

Distribution: Neotropical Region.

atropos Rehn, 1933b: 8-10, pl. 1, figs. 3-5 (pronotum, abdomen and pygidium; type-locality, Brazil, Amazonas, Rio Autaz. Holotype ♂, Stockholm Museum; ♀ undescribed).

Distribution: Brazil (type-locality).

biolleyi Borelli, 1903: 2 (type-locality, Costa Rica, Rancho Redondo, 1,700 m. Holotype ♀, Turin Museum); 1909b: 11-12 (male and female from Volcan Irazu); Burr, 1912a: 91 (Bolivian record); Brindle, 1968a: 290, 293, figs. 31, 32 (male and female forceps; notes; note on Bolivian record).

Distribution: Costa Rica and (?) Bolivia.

bormansi Kirby, 1896: 528 (type-locality, "Mexico". Holotype ♀, location unknown); Brindle, 1968a: 294 (proposed synonymy with *w-signata* Burr, the latter erroneously considered as the valid name of the species).

w-signata Burr, 1904: 302 (type-locality, "Mexico". Types, 2 ♂, Paris Museum); 1911e: 60, pl. 5, figs. 12, 12a-b (head, pronotum, tarsus and antenna); Hebard, 1917c: 419-420, pl. XXVIII, fig. 9 (male abdomen and forceps; description of female from Mexico, Veracruz, Motzorongo); Brindle, 1968a: 290, 294-296, figs. 23, 24 (male and female forceps; notes and synonymy).

schotti Dohrn, 1865 (*pars*); Bormans, 1893: 6; 1900b: 81 (*pars* considered as synonym of *bormansi* Kirby).

Distribution: Mexico.

colombiana Bormans, 1883: 66-68, pl. 2, figs. 7, 7a (dorsal view of male and forceps of female; type-locality, "Colombia". Types, 1 ♂ and 1 ♀, Brünner collection); Burr, 1911a: 61 (*Parasparatta*); 1911e: 60, pl. 5, fig. 13 (dorsal view of female; *Parasparatta*); Brindle, 1968a: 290, 292 [*columbiana* (*sic*), notes].

Distribution: Colombia and Bolivia.

diplatyoides Caudell, 1907b: 170-171 (*Cylindrogaster*; type-locality, Guatemala, Alta Verapaz, Trece Aguas, Cacao. Holotype ♀, United States National Museum); Burr, 1910b: 457 (indication of synonymy with *pelvimetra* Serville); Hebard, 1918: 6 (as good species); Brindle, 1968a: 290, 294 (notes).

Distribution: Mexico and Guatemala.

pelvimetra Serville, 1839: 52-53 (type-locality, "Brazil". Types, Paris Museum); Burr, 1911e: 60; Brindle, 1968a: 290-292, figs. 35-36 (male and female forceps; notes; *schotti* Dohrn erroneously synonymized with *pelvimetra* Serville).

Distribution: Brazil.

pulchra Borelli, 1906b: 11-12 (type-locality, Costa Rica, San José, Volcan Escazu. Types, ♂ and ♀, Turin Museum); Hebard,

1917b: 329 (Panamanian record); Brindle, 1968a: 290, 294, figs. 33, 34 (male and female forceps; notes).

Distribution: Panama and Costa Rica.

rufina Stal, 1855: 350 (type-locality, Brazil, Guanabara, Rio de Janeiro. Holotype ♀, Stockholm Museum); Bormans, 1893: 6, pl. 1, fig. 13 (dorsal view of male, considered a color variety of *pelvimetra* Serville); Brindle, 1968a: 290, 293, figs. 26-28 (male and female forceps; notes, discussion on status and synonymy):

clarkii Kirby, 1891: 526-527, pl. 20, figs. 8, 8a [dorsal view of male, detail of pygidium and forceps; types, ♂ and ♀, from Brazil, Guanabara, Rio de Janeiro (Tijuca) and Rio de Janeiro, Petrópolis, Constância and Teresópolis; British Museum]; Burr, 1911e: 60 (incorrectly synonymized with *pelvimetra* Serville); Rehn, 1918a: 185 (considered a good species, from Santa Catarina); Menozzi, 1932: 161, 168, fig. 10a (male genitalia); Brindle, 1968a: 293 (proposed synonymy with *rufina* Stal).

pygidiata Kirby, 1896: 527-528, pl. XX, figs. 10, 10a (dorsal view of male, details of pygidium and forceps; type-locality, Brazil, "Rio de Janeiro". Types, ♂ and ♀, British Museum); Hebard 1917a: 245 (female from Guyana); Brindle, 1968a: 293 (proposed synonymy with *rufina* Stal).

Distribution: Brazil (Rio de Janeiro to Rio Grande do Sul), Paraguay, Argentina (Misiones) and Guyana.

semirufa Kirby, 1896: 528, pl. XX, figs. 4,4a [dorsal view of male, details of pygidium and forceps; type-locality, Brazil, Pernambuco, Igaurassu (= Iguaraçu). Types, ♂ and ♀, British Museum]; Hebard, 1920a: 349, pl. 13, fig. 8 (ultimate tergite, pygidium and forceps); Rehn, 1933b: 10 (notes, distribution and Amazonian record); Brindle, 1968a: 290, 292-293, figs. 29, 30 (male and female forceps; notes).

Distribution: French Guiana, Surinam, Brazil (Amazonas, Pará, Pernambuco, São Paulo and Santa Catarina), Paraguay and Argentina.

Parasparatta Burr, 1911

Parasparatta Burr, 1911a: 61 (type-species, *Sparatta nigrina* Stal, by original designation); 1911e: 58, 60; Hincks, 1949: 626 (in generic key); Brindle, 1968a: 288, 296 (revision, with key to species).

Distribution: Neotropical Region.

armata Burr, 1899b: 252-253 (*Sparatta*; type-locality, Ecuador, Chimborazo, Chimbo, 3,000 ft. Holotype ♂, British Museum); 1911a: 61 (generic assignment); 1912a: 92 (description of female from Peru); Brindle, 1968a: 296, 297, fig. 45 (male forceps; notes).

Distribution: Peru and Ecuador.

bocainensis Machado Filho, 1953: 243-245, figs. 1-6 (details and male genitalia; type-locality, Brazil, São Paulo, Serra da Bocaina. Holotype ♂, allotype ♀ and paratypes, Museu Nacional, Rio de Janeiro).

Distribution: Brazil (type-locality).

bolivari Bormans, 1880a: 510-512 (*Sparatta*; type-locality, "Pérou Central". Types, 1 ♂ and 2 ♀, Varsaw Museum); Burr, 1911a: 61 (generic assignment); 1911e: 60, pl. 5, fig. 14 (pronotum); 1912a: 92 (female from Colombia); Brindle, 1966d: 133-134 (Costa Rican record); 1968a: 296, 299, figs. 14, 53, 54, 64 (pronotum, male and female forceps; notes).

Distribution: Peru, Colombia and Costa Rica.

calverti Borelli, 1910c: 1-3, figs. (forceps of male and female; *Sparatta*; type-locality, Costa Rica, Emilia; ex-Bromeliaceae. Types, ♂ and ♀, Turin Museum); Burr, 1911a: 61 (generic assignment); Picado, 1913: 346; Brindle, 1968a: 296, 297, figs. 37-38 (male and female forceps; notes).

Distribution: Costa Rica.

dentifera Rehn, 1901

dentifera dentifera Rehn, 1901: 218-219 (*Sparatta dentifera*; type-locality, Mexico, Veracruz, Orizaba. Holotype ♂, Academy of Natural Sciences, Philadelphia); Burr, 1911a: 61 (*dentifera*; generic assignment); Hebard, 1917c: 420-422, pl. XXVIII, figs. 10-11 (abdomen and forceps of male and female; *dentifera*); 1920a: 351 (*dentifera*; female from Guatemala); Brindle, 1968a: 296, 301, figs. 15, 63 (pronotum and female forceps; notes, synonymy and proposition of subspecific status).

minuta Caudell, 1907b: 172-173 (*Sparatta*; type-locality, Guatemala, Alta Verapaz, Rio Polochic. Holotype ♀, United States National Museum); Burr, 1910b: 457 (*Sparatta*; incorrect synonymization with *armata* Burr); Hebard, 1917c: 420 (proposed synonymy with *dentifera* Rehn).

Distribution: Mexico and Guatemala.

dentifera lobata Borelli, 1909b: 12, figs. 5-6 (dorsal view of male; abdomen and forceps of female; *Sparatta lobata*; type-locality, Costa Rica, San José, Santa Maria de Dota. Types, ♂ and ♀, Turin Museum); Burr, 1911a: 61 (*lobata*; generic assignment); Brindle, 1968a: 301 (proposed subspecific status).

Distribution: Costa Rica.

dentifera guyanensis Hebard, 1920a: 349-351, pl. 13, fig. 9 [ultimate tergite, pygidium and forceps; *guyanensis*; type-locality, French Guiana, Territoire Pénitentiaire, San Jean (du Maroni). Holotype ♂ and allotype ♀, Paris Museum]; Brindle, 1968a: 301, fig. 60 (♀ forceps; proposed subspecific status).

nigrina Stal, 1855 (*pars*); Brindle, 1968d: 31-32, figs. 30-31 (forceps).

Distribution: Guianas.

dentifera panamae Hebard, 1933b: 106-108, pl. VI, figs. 1-2 [pygidium and abdomen of male and female; *panamae*; type-locality, Panama, Colon, (near) Porto Bello. Holotype ♂ and allotype ♀, Hebard collection]; Brindle, 1968a: 301, figs. 61, 62 (male and female forceps; proposed subspecific status).

Distribution: Panama.

ecuadorensis Borelli, 1932: 92-94, 2 figs. (pygidium and forceps of male and female; type-locality, Ecuador, Loja, Sabanilla, near Zamora. Holotype ♂ and paratypes, ♂ and ♀, Hamburg Museum); Brindle, 1968a: 296, 298, figs. 41, 42 (male and female forceps; notes).

Distribution: Ecuador (type-locality).

luederwaldti Menozzi, 1932: 163-164, fig. 12 (forceps of male and female, male genitalia; type-locality, Brazil, Espírito Santo, Afonso Cláudio. Types, 1 ♂ and 1 ♀, location unknown); Brindle, 1968a: 296, 297-298, figs. 46, 47 (male and female forceps; notes).

Distribution: Brazil (type-locality).

nigrina Stal, 1855: 350 (*Sparatta*; type-locality, Brazil, Guanabara, Rio de Janeiro. Holotype ♀, Stockholm Museum); Bormans, 1893: 5, pl. 1, figs. 11-12 (dorsal view of male, forceps of female); Burr, 1911a: 61 (designation as type-species of *Parasparatta*); Menozzi, 1932: 161, 168, fig. 10b (male genitalia and distribution); Hincks, 1949: 648; Brindle, 1968a: 296, 298-299, figs. 48-51 (male and female forceps; notes and distribution).

Distribution: Brazil (Rio de Janeiro, Guanabara and Santa Catarina), Argentina (Misiones and Salta) and Dominica.

picadoi Borelli, 1911: 3-5, figs. 1a, 1b (forceps of male and female; types, ♂ and ♀, from Costa Rica, Orosi, La Mica, Paloma, La Estrella and Cartago, ex-Bromeliaceae; Turin Museum); Brindle, 1968a: 296, 297 (notes).

Distribution: Costa Rica.

quinquepunctata Borelli, 1932: 94-95, 2 figs. (pygidium and forceps of male and female; type-locality, Brazil, Rio de Janeiro, Petrópolis. Holotype ♂ and allotype ♀, Hamburg Museum); Brindle, 1968a: 296, 298, figs. 43, 44 (male and female forceps; notes and synonymy).

xanthothorax Moreira, 1932: 288-289, figs. 14-16 (forceps, thorax and antenna of male; type-locality, Brazil, Rio de Janeiro, Petrópolis. Holotype ♂, Instituto Biológico de Defesa Agrícola, Rio de Janeiro; ♀ undescribed); Brindle, 1968a: 298 (proposed synonymy with *quinquepunctata* Borelli).

Distribution: Brazil (type-locality).

rehni Hebard, 1929: 389-391, pl. XV, figs. 1-2 (pygidium and forceps of male and female; type-locality, Panama, Chiriqui, Boquete. Holotype ♀, Hebard collection; allotype ♂, from Colon, Porto Bello, United States National Museum); Brindle, 1968a: 296, 299-301, figs. 55-58 (male and female forceps; notes).

nigrina Stal, 1855 (*pars*); Burr, 1914d: 276.

Distribution: Guyana, Panama and Nicaragua.

schotti Dohrn, 1865: 69-70 (*Sparatta*; type-locality, "Brazil". Holotype ♀, Viena Museum); Burr, 1911a: 61 (generic assignment); Menozzi, 1932: 162-163, figs. 11a-c (forceps of male and female, male genitalia; description of male; distribution).

Distribution: Brazil (Espírito Santo and São Paulo).

