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## Catalog of World Eucharitidae, 2014

by

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*Eucharidae*; Walker, 1846: 21.

*Eucharoidae*; Förster, 1856: 19, 22, 42. Subsequent description.

*Eucharidinae*; Dalla Torre, 1898: 359.

*Eucharidae*; Ashmead, 1899[157]: 235-239. Subsequent description.

*Eucharitinae* Girault, 1928[422]: 451.

*Eucharitidae*; Girault, 1932[437]: 289.

*Eucharitidae*; Heraty, 1985: 63. Subsequent description.

*Eucharitidae*; Bouček, 1988: 513. Subsequent description.

*Eucharitidae*; Heraty, 1995: 309. Subsequent description.

CITATIONS: Andrie1968 [nomenclature]; Ashmea1899157 [key to genera, nomenclature]; Boucek1988 [nomenclature]; Burks1979 [catalog]; Camero1884 [key to genera, nomenclature]; Ceball1942 [nomenclature]; Clause1923 [Life History]; Clause1928 [Life History]; Dahms1978 [catalog]; Graham1969 [catalog]; Heraty1995 [key to genera, catalog]; Heraty2006a [Life History, nomenclature]; Heraty2006b [Life History, nomenclature]; LachauPe2012 [behavior]; LachauLeHu2013 [life history]; MuesebeKrTo1951 [catalog]; Narend1985b [key to genera]; Schmie1909 [key to genera, catalog].

KEYS: Heraty 2006a: 711-714 [Neotropical genera]; Heraty 2006b: 356 [Neotropical subfamilies]; Bouček 1988: 514-516 (adult) [Australasian Region]; Narendran 1985b: 186-187 (adult) [India]; Schemideknect 1909: 67-70 (adult) [World]; Ashmead 1899[157]: 239-242 (adult) [World]; Ashmead 1888[45]: 186-187 (adult) [World]; Cameron 1884: 101-102 (adult) [South America].

### Lithobelyta Cockerell *Incertae Sedis* [fossil taxon]

*Lithobelyta* Cockerell, 1921: 22. Type species: *Lithobelyta reducta* Cockerell, by original designation. *Incertae sedis* by Antropov et al., 2014: 344. Notes: Originally placed in Diapriidae, but treated as uncertain placement in Chalcidoidea by Antropov et al. (2014), and Eucharitidae *incertae sedis* by Noyes (2014; UCD).

#### Lithobelyta reducta Cockerell

*Lithobelyta reducta* Cockerell, 1921: 22. Type data: England: Isle of Wight. Holotype fossil, by **present designation**. Type depository: London: Natural History Museum, England; type no. 17091. Described: fossil. Illust.

CITATIONS: AntropBeCo2014 [description-Adult, illustration-adult].

DISTRIBUTION: **Palaeartic**: United Kingdom (England [Cocker1921]).

### Subfamily Akapalinae Bouček

*Akapalinae* Bouček, 1988: 517. Type species: *Akapala* Girault.

#### Akapala Girault

*Akapala* Girault, 1934[442]: 1[306]. Type species: *Akapala astriaticeps* Girault (= *Kapala astriaticeps* Girault), by monotypy.

CITATIONS: Boucek1988 [catalog]; Darlin1988 [anatomy].

**Akapala astriaticeps (Girault)**

*Kapala astriaticeps* Girault, 1926[399]: 66-67. Type data: Australia: Queensland: Kingston, forest [published]. Holotype female (examined), by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.8661. Described: female. Notes: Specimen in QMB labeled as this species has label stating "Tara, Feb. 12, 1924. Forest & brigalow." It is mentioned as an additional specimen of *Kapala astriaticeps* in Girault (1926) (see Dahms 1983:61 and Bouček 1988:518 for discussion of type status).

*Akapala astriaticeps* Girault, 1934[442]: 1[306]. Type data: Australia: Queensland, Kingston, forest. Unknown type status. Described: female. Synonymy by Bouček, 1988: 518. Notes: Probably a redescription of the same material under a different name (Bouček, 1988).

*Akapala astriaticeps*; Dahms, 1983: 60-61.

*Akapala astriaticeps*; Bouček, 1988: 518. Illust. Change of combination.

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1934442]).

**Akapala rudis (Westwood)**

*Schizaspidia rudis* Westwood, 1874: 152, pl. 28. Type data: Australia: South Australia, Angus [=Angas, Kangaroo Island]. Lectotype female, by subsequent designation Bouček, 1988: 518. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 676. Described: female. Illust. Notes: Labels include "very rare 6 Ja. on *Melaleuca* " and "South Australia Angus 1863" (Bouček 1988).

*Kapala rudis*; Hedqvist, 1978: 240. Change of combination.

*Akapala rudis*; Bouček, 1988: 518. Illust. Change of combination.

DISTRIBUTION: **Australasian**: Australia (South Australia).

**Subfamily Gollumiellinae Heraty et al.**

*Gollumiellinae* Heraty et al., 2004: 11. Type species: *Gollumiella* Hedqvist, by original designation.

**Anorasema Bouček**

*Anorasema* Bouček, 1988: 522-523. Type species: *Eucharis pallidipes* Cameron, by original designation.

*Anorasema*; Heraty, 1992: 598-599. Subsequent description.

*Anorasema*; Heraty, 2002: 81-82. Subsequent description.

**Anorasema manii Heraty**

*Anorasema manii* Heraty, 1992: 599-600. Type data: India: Alipur Duar. Holotype male (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Bihar [Heraty1992]).

**Anorasema pallidipes (Cameron)**

*Eucharis pallidipes* Cameron, 1909b: 232-233. Type data: East Malaysia: Sarawak. Lectotype male (examined), by subsequent designation Bouček, 1988: 523. Type depository: London: Natural History Museum, England; type no. 5.366. Described: male.

*Anorasema pallidipes*; Bouček, 1988: 522. Illust. Change of combination.

*Anorasema pallidipes*; Heraty, 1992: 600-601. Described: both sexes. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Malaysia (Malaya [Bouček1988], Sarawak [Bouček1988]); Vietnam.

**Gollumiella Hedqvist**

*Gollumiella* Hedqvist, 1978: 230. Type species: *Gollumiella longipetiolata* Hedqvist, by original designation.

*Losbanus*; Bouček, 1988: 521-522. Misidentification.

*Gollumiella*; Heraty, 1992: 584-587. Subsequent description. Notes: Change in status and redescription.

*Gollumiella*; Heraty, 2002: 155-157. Subsequent description.

KEYS: Heraty 1992: 587-588.

### **Gollumiella antennata (Gahan)**

*Psilogaster antennatus* Gahan, 1940: 427-429. Type data: East Malaysia [Federal Malay States]: Kuala Lumpur. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53549. Described: both sexes.

*Psilogastrellus antennatus* Ghesquière, 1946: 368. Replacement name.

*Losbanus antennatus*; Bouček, 1988: 522. Change of combination.

*Gollumiella antennata*; Heraty, 1992: 588-590. Described: both sexes. Illust. Change of combination.

CITATIONS: Beshea1974anatomy; Heraty2002 [Behavior, catalog]; Johnso1988 [Life History]; RomeroHe2010 [anatomy].

DISTRIBUTION: **Oriental**: Bangladesh [Heraty1992]; Hong Kong [Heraty1992]; Laos [Heraty1992]; Malaysia (Malaya [Heraty1992]); Vietnam [Heraty1992]. **Palaeartic**: China [Heraty1992].

### **Gollumiella buffingtoni Heraty**

*Gollumiella buffingtoni* Heraty, 2003: 3-6. Type data: Japan: Niigata Kurokawa, Tainai R. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

DISTRIBUTION: **Palaeartic**: China (Beijing (=Peking) [Heraty2003]); Japan (Honshu [Heraty2003], Kyushu [Heraty2003]).

### **Gollumiella darlingi Heraty**

*Gollumiella darlingi* Heraty, 2003: 8-9. Type data: Indonesia: W. Kalimantan Gunung Palung Nat. Pk. Holotype female (examined), by original designation. Type depository: Toronto: Royal Ontario Museum. Described: both sexes. Illust.

DISTRIBUTION: **Oriental**: Indonesia (Kalimantan (=Borneo) [Heraty2003]).

### **Gollumiella guineensis Heraty**

*Gollumiella guineensis* Heraty, 1992: 590-592. Type data: Papua New Guinea: Bismarck Arch., Manus Is., Momote. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Papua New Guinea [Heraty1992]. **Oriental**: Indonesia (Irian Jaya [Heraty1992]).

### **Gollumiella infuscata Heraty**

*Gollumiella infuscata* Heraty, 1992: 592-593. Type data: East Malaysia: Sarawak, Gunong Mulu National Park. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak [Heraty1992]).

### **Gollumiella longipetiolata Hedqvist**

*Gollumiella longipetiolatus* Hedqvist, 1978: 230. Type data: Philippines: Palawan, Tagembung. Holotype male (examined), by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: male. Illust. Notes: Holotype male described as female, and paratype males, as originally designated, belong to *Anorasema pallidipes* (Bouček, 1988; Heraty, 1992a). The male specimen labeled as the holotype in ZMUC bears the label "...Palawan Mantaligajan Togembring 1150 meter...".

*Losbanus longipetiolatus*; Bouček, 1988: 521-522. Change of combination.

*Gollumiella longipetiolata*; Heraty, 1992: 593-595. Described: both sexes. Illust. Change of combination.

CITATIONS: Heraty2002 [catalog]; HeratyHaKo2004 [Behavior, illustration-immature, phylogeny].

DISTRIBUTION: **Oriental**: China (Guangdong (=Kwangtung) [Heraty1992]); India (Uttar Pradesh [Heraty1992]); Indonesia (Java [Heraty1992, Heraty2002], Kalimantan (=Borneo) [Heraty2002]);

Malaysia (Malaya [Heraty1992]); Nepal [Heraty1992]; Philippines (Mindanao [Heraty1992]); Singapore [Heraty1992]; Taiwan [Heraty1992]; Thailand [Heraty1992]; Vietnam [Heraty2002]. **Palaeartic:** Japan (Honshu [Heraty1992, Heraty2002], Kyushu [Heraty1992, Heraty2002]).

### **Gollumiella minuta (Bouček)**

*Losbanus minutus* Bouček, 1988: 522. Type data: Australia: Queensland, Mount Tambourine. Holotype male, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: both sexes. Illust.

*Gollumiella minuta*; Heraty, 1992: 595-597. Described: both sexes. Illust. Change of combination.

CITATIONS: Heraty2002 [catalog]; Heraty2002 [catalog].

### **Gollumiella neopetiolata Heraty**

*Gollumiella neopetiolata* Heraty, 1992: 597-598. Type data: Philippines: Mountain Prov., Abatan, Buguias, 60 km S Bontoc. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental:** Philippines [Heraty1992].

### **Gollumiella ochreatea Heraty**

*Gollumiella ochreatea* Heraty, 2003: 6-8. Type data: Malaysia: Selangor, K.L. Univ. Malaya, Rimba Ilmu. Holotype male (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: male. Illust.

DISTRIBUTION: **Oriental:** Malaysia (Malaya [Heraty2003]).

## **Subfamily Oraseminae Burks**

*Oraseminae* Burks, 1979: 876. Type species: *Orasema* Cameron.

*Oraseminae*; Heraty, 1985: 63. Subsequent description.

*Oraseminae*; Bouček, 1988: 513. Subsequent description.

*Oraseminae*; Heraty, 1994a: 20-21. Subsequent description.

*Oraseminae*; Heraty, 1995: 311-312. Subsequent description. Notes: Costa Rica

*Oraseminae*; Heraty, 1997: 321-322. Subsequent description.

*Oraseminae*; Heraty, 2000: 384-387. Subsequent description. Notes: Phylogenetic analysis of genera and species groups.

*Oraseminae*; Heraty, 2002: 45-46. Subsequent description.

CITATIONS: Bouček1988 [revision]; Burks1979 [catalog]; MurrayCaHe2013 [phylogeny].

KEYS: Heraty 1994a: 31; Bouček 1988: 518.

### **Indosema Husain and Agarwal**

*Indosema* Husain and Agarwal, 1983: 104-106. Type species: *Indosema indica* Husain & Agarwal, by original designation.

*Indosema*; Heraty, 1994: 38-39. Subsequent description.

*Indosema*; Heraty, 2002: 46. Subsequent description. Notes: Brief diagnosis and catalog.

### **Indosema indica Husain & Agarwal**

*Indosema indica* Husain & Agarwal, 1983: 104-106. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh Muslim University. Described: female. Illust.

Two paratypes in University of California Riverside: UCRCENT00412494-3.

*Indosema indica*; Heraty, 1994: 39-40. Described: male. Illust. Subsequent description.

CITATIONS: Hayat2000 [description-adults]; Heraty2002 [catalog].

DISTRIBUTION: **Oriental:** India (Delhi [Heraty1994a], Uttar Pradesh [Heraty1994a]).

### Orasema Cameron

- Orasema* Cameron, 1884: 104. Type species: *Orasema stramineipes* Cameron. Subsequently designated by Kirby, 1886: 29. Notes: Illustrations accompanying description of *stramineipes* mislabeled as *flavipes*. Kirby 1886:29 designated *flavipes* as type species with *stramineipes* as *lapsus calami*. Contrary to remarks by Kirby, the description of *stramineipes* agrees with the figure of *flavipes*. Dalla Torre 1898:361 reversed the useage of Kirby and treated *flavipes* as a junior synonym of *stramineipes*.
- Orasema*; Ashmead, 1888[45]: 187 (in key).
- Orasema*; Ashmead, 1904[238]: 267, 269 (key).
- Orasema*; Schmiedeknecht, 1909: 73. Notes: Brief diagnosis, in German.
- Semora* Cameron, 1909: 432-433. Type species: *Semora xanthopus* Cameron, by original designation. Homonym; discovered by Strand, 1942: 393. Notes: Preoccupied by Peckham, 1892. Synonymy by Kerrich (1963: 366).
- Eucharomorpha* Girault, 1913: 62-63. Type species: *Orasema worcesteri* Girault. Subsequently designated by Gahan and Fagan, 1923: 58. Synonymy by Bouček, 1988: 519. Notes: South American species.
- Losbanus* Ishii, 1932: 210. Type species: *Losbanus uichancoi* Ishii, by monotypy. Synonymy by Heraty, 1992: 586. Notes: Redescription of genus by Watanabe (1958:26) and Hedqvist (1978:229). Incorrectly placed as senior synonym of *Gollumiella* Hedqvist by Bouček (1988:521).
- Orasema*; Gemignani, 1933: 488-489. Subsequent description. Notes: Brief diagnosis, in Spanish.
- Parasemora* Gemignani, 1933: 192-193. Type species: *Parasemora freychei* Gemignani, by monotypy. Synonymy by Heraty, 1994: 54. Notes: Location of type unknown and synonymy based on original description.
- Semora*; Gemignani, 1933: 491-492. Subsequent description. Notes: Brief diagnosis, in Spanish.
- Semorata* Strand, 1942: 393. Replacement name.
- Semorella* Ghesquière, 1946: 368. Replacement name.
- Orasema*; Kerrich, 1963: 366. Subsequent description.
- Losbanus*; Hedqvist, 1978: 229. Subsequent description. Notes: Short redescription and key to species, most of which are now attributed to *Neolosbanus*.
- Orasema*; Heraty, 1994a: 54-57. Subsequent description.
- Orasema*; Heraty, 2002: 47-49. Subsequent description. Notes: Brief diagnosis and catalog.
- CITATIONS: Ashmea188845 [key to genera, nomenclature]; Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera]; Beshea1974 [description-immatures]; BrianoCaVa2012 [Behavior, host record]; Darlin1988 [anatomy]; Heraty2000 [phylogeny]; Heraty2000 [phylogeny, Behavior, illustration-immature]; LachauPe2012 [host record].
- KEYS: Narendran & Girish Kumar 2005: 12; Heraty 1994: 57-59 [Old World]; Snehaltha and Narendran 1992: 355 (adult) [India]; Gahan 1940: 437-439 [Mostly Nearctic, some Neotropical].

### Orasema aenea Gahan

- Orasema aenea* Gahan, 1940: 443. Type data: Argentina: Misiones, Loreto Experiment Station. Syntypes (examined). Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53553. Described: female. Notes:
- ASSOCIATIONS: Associates - AQUIFOLEACEAE : *Ilex paraguayensis* [Gahan1940] (Type series (15 specimens) found ovipositing in young leaves). ERICALES **Ericaceae**: *Vaccinium corymbosum* L. [Torren2013, VaroneBr2009]. LAMIALES **Bignoniaceae**: *Tecoma stans* (L.) Juss. ex Knuth [Torren2013]. Host - HYMENOPTERA **Myrmicinae**: *Solenopsis quinquecupis* Forel [VaroneHeCa2010].
- CITATIONS: Heraty2002 [catalog]; Nicoli1950 [Life History]; Parker1942 [Di., illustration-immature, Life History]; VaroneHeCa2010 [Behavior, Biological Control].
- DISTRIBUTION: **Neotropical**: Argentina [Gahan1940].
- KEYS: Gahan 1940: 437.

**Orasema argentina Gemignani**

*Orasema argentina* Gemignani, 1933: 489-490. Type data: Argentina: Prov. Buenos Aires, Las Flores. Holotype female (examined), by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 29024. Described: both sexes. Illust.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole nitidula strobili misera* Snts.

[Gemign1933, Torren2013].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Buenos Aires [Gemign1933]).

**Orasema assectator Kerrich**

*Orasema assectator* Kerrich, 1963: 367-368. Type data: India: Assam. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England; type no. 5.2066. Described: both sexes. Illust.

*Orasema assectator*, Heraty, 1994a: 74-75. Described: both sexes. Illust. Subsequent description.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole* sp. [Das1963, Kerric1963]

CITATIONS: Das1954 [host record, Life History]; Das1963 [description-Immatures, host record, Life History]; Heraty1994b [host record]; Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Assam [Heraty1994a, Kerric1963]).

KEYS: Heraty 1994a: 59.

**Orasema aureoviridis Gahan**

*Orasema aureoviridis* Gahan, 1940: 448. Type data: United States: Texas, Uvalde. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53555. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Texas [Gahan1940]).

KEYS: Gahan 1940: 438, 439.

**Orasema bakeri Gahan**

*Orasema bakeri* Gahan, 1940: 452. Type data: United States: Colorado, Fort Collins. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53559. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Arizona [Gahan1940], Colorado [Gahan1940]).

KEYS: Gahan 1940: 439.

**Orasema beameri Gahan**

*Orasema beameri* Gahan, 1940: 447. Type data: United States: Colorado, Ridgway. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53554. Described: both sexes.

CITATIONS: Heraty2002 [catalog]; LaBerg1956 [Hre; paratypes - 2 f and 2 m (#3280)].

DISTRIBUTION: **Nearctic**: United States of America (Colorado [Gahan1940], Kansas [LaBerg1956]).

KEYS: Gahan 1940: 438-439.

**Orasema Boučeki Heraty**

*Orasema Boučeki* Heraty, 1994a: 65-66. Type data: Papua New Guinea: Kokoda. Holotype male (examined), by original designation. Type depository: London: Natural History Museum, England. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Papua New Guinea [Heraty1994a].

KEYS: Heraty 1994a: 58.

**Orasema brasiliensis (Brèthes) new combination**

*Eucharomorpha brasiliensis* Brèthes, 1927: 331-332. Type data: Brasil: São Paulo. Unknown type status female, type designation unknown. Type depository: Eberswalde: [formerly: Deutsches Entomologisches Institut], Inst. für Pflanzenschutzforschung, Germany. Described: female.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil (Sao Paulo [Brethe1927]).

**Orasema cameroni Howard**

*Orasema cameroni* Howard, 1896: 133. Type data: Grenada, West Indies. Holotype female (examined), by monotypy. Type depository: London: Natural History Museum, England; type no. 5.373. Described: female.

CITATIONS: Heraty2002 [catalog]; Schmie1909 [Rr., catalog].

DISTRIBUTION: **Neotropical**: Grenada [Howard1896].

KEYS: Gahan 1940: 437.

**Orasema cockerelli Gahan**

*Orasema cockerelli* Gahan, 1940: 453-454. Type data: United States: New Mexico, Albuquerque. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53560. Described: both sexes.

CITATIONS: Heraty2002 [catalog]; LaBerg1956 [Hre; paratypes in museum - 2 f (#3281)].

DISTRIBUTION: **Nearctic**: United States of America (Arizona [Gahan1940], Colorado [Gahan1940], Iowa [Gahan1940], Kansas [Gahan1940], New Mexico [Gahan1940]).

KEYS: Gahan 1940: 439.

**Orasema coloradensis Wheeler**

*Orasema coloradensis* Wheeler, 1907: 12-14. Type data: United States: Colorado, Manitou; Broadmoor; Colorado Springs. Syntypes. Type depository: New York: American Museum of Natural History, Dept. Ent. Coll., NY, USA. Described: both sexes. Illust. Notes: Manuscript name of Ashmead first published by Wheeler (1907:12-13) with figure and short description.

*Orasema coloradensis*; Gahan, 1940: 441-442. Subsequent description.

ASSOCIATIONS: Hosts - FORMICIDAE **Formicinae**: *Formica oreas comptula* [JohnsoMiHe1986; Association based on washing one planidium from a worker of *F. oreas comptula*]. *Formica subnitens* Creighton? [JohnsoMiHe1986; Based on washing several planidia from workers, and a single planidium on conjuntiva at base of mandible, and from emergence traps over nest]. **Myrmicinae**: *Pheidole bicarinata* Forel? [Wheele1907; collected with brood], *Solenopsis molesta validiscula* Emery [Wheele1907; collected with brood – also collected *S. m. validiscula*, with parasitoids, living in cleptobiosis with *Formica ciliata* Mayr].

CITATIONS: Crevec1922 [distribution]; Heraty2002 [catalog]; JohnsoMiHe1986 [description-Immatures, Life History, host record, host plant].

DISTRIBUTION: **Nearctic**: United States of America (Colorado [Gahan1940], Florida? [Gahan1940], Iowa [Gahan1940], Kansas [Gahan1940], Louisiana? [Gahan1940], New Mexico [Gahan1940], Texas [Gahan1940], Virginia? [Gahan1940]).

KEYS: Gahan 1940: 437, 439.

**Orasema communis Risbec**

*Orasema communis* Risbec, 1952: 412-414. Type data: Madagascar: Bekily. Lectotype male (examined), by subsequent designation Heraty, 1994: 59. Type depository: MNHP. Described: both sexes. Illust.

*Orasema communis*; Heraty, 1994a: 59-61. Described: both sexes. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Heraty1994a, Risbec1952].

KEYS: Heraty 1994a: 57.

**Orasema costaricensis Wheeler and Wheeler**

*Orasema costaricensis* Wheeler and Wheeler, 1937: 164-165. Type data: Costa Rica: Zent. Holotype female (examined), by monotypy. Type depository: Washington: United States National Entomological

Collection, U.S. National Museum of Natural History, DC, USA; type no. 63742. Described: female. Illust.

ASSOCIATIONS: Hosts – FORMICIDAE: **Myrmicinae**: *Pheidole flavens* Roger [WheeleWh1937].

CITATIONS: Evans1966 [Life History]; Heraty1994b [host record]; Heraty2002 [catalog]; WheeleWh1976 [Life History].

DISTRIBUTION: **Neotropical**: Costa Rica [WheeleWh1937].

#### **Orasema delhiensis Narendran & Girish Kumar**

*Orasema delhiensis* Narendran & Girish Kumar, 2005: 10-14. Type data: India: New Delhi, near Sapharjung airport. Holotype female, by original designation. Type depository: Calcutta: Department of Zoology, Calcutta University, West Bengal, India; type no. GK 11. Described: female. Illust.

*Orasema delhiensis*; Girish Kumar et al., 2007: 127-128. Subsequent description.

DISTRIBUTION: **Oriental**: India (Uttar Pradesh [GirishNaRa2008]).

#### **Orasema delicatula (Walker)**

*Eucharis delicatula* Walker, 1862: 377. Type data: [Australia (?)]. Lectotype female (examined), by subsequent designation Bouček, 1988: 520. Type depository: London: Natural History Museum, England; type no. 5.612. Described: female. Notes: Lectotype labeled as *Psilogaster delicatula* Walker. Locality label wrong, definitely collected from South America (Heraty, 1992b).

*Stilbula delicatula*; Walker, 1871: 66. Change of combination.

*Orasema delicatula*; Bouček, 1988: 520. Change of combination.

*Orasema delicatula*; Heraty, 1994a: 5.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Ecuador [Heraty].

#### **Orasema deltae Gemignani**

*Orasema deltae* Gemignani, 1937: 161. Type data: Argentina: Buenos Aires Province, Tigre. Holotype female (examined), by original designation. Type depository: Museo Argentine de Ciencias Naturales "Bernardino Rivadavia"; type no. 35584. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Buenos Aires [Gemign1937]).

#### **Orasema festiva (Fabricius)**

*Eucharis festiva* Fabricius, 1804: 157. Type data: America mer. Unknown type status (examined), type designation unknown. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark.

*Orasema festiva*; Kirby, 1886: 29. Change of combination.

CITATIONS: Ashmea1904238 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Ashmea1904238].

#### **Orasema fraudulenta (Reichensperger)**

*Psilogaster fraudulentus* Reichensperger, 1913: 211-214. Type data: Ethiopia: Harrar. Lectotype female (examined), by subsequent designation Heraty, 1994a: 70. Type depository: Bonn: Zoologisches Forschungsinstitut und Museum "Alexander Koenig", Germany. Described: both sexes. Illust.

*Orasema fraudulenta*; Heraty, 1994a: 70-71. Described: both sexes. Illust. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole megacephala* Fabricius [Reiche1913].

CITATIONS: Heraty1994a [host record]; Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Ethiopia [Heraty1994a, Reiche1913]; Yemen [Heraty1994a].

KEYS: Heraty 1994a: 58.

#### **Orasema freychei (Gemignani)**

*Parasemora freychei* Gemignani, 1933: 192-193. Type data: Argentina: Buenos Aires Province, Puerto San Blas. Holotype female, by original designation. Type depository: Museo Argentine de Ciencias Naturales "Bernardino Rivadavia"; type no. 30.160. Described: both sexes. Illust. Notes: Type material could not be located at Museo Argentina de Ciencias Naturales "Bernardino Rivadavia" (A. Bachmann, MNBA, pers. comm.).



*Orasema freychei*; Heraty, 1994a: 5. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Buenos Aires [Gemign1933]).

#### **Orasema gemignanii De Santis**

*Orasema violacea* Gemignani, 1947: 8-9. Type data: Argentina: Isla Martin Garcia. Holotype female (examined), by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 42.253. Described: female. Illust. Homonym; discovered by De Santis, 1967a: 8. Notes: Preoccupied by *Orasema violacea* Ashmead, 1888.

*Orasema gemignanii* De Santis, 1967b: 8. Replacement name.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Buenos Aires [Gemign1947]).

#### **Orasema glabra Heraty**

*Orasema glabra* Heraty, 1994a: 72-73. Type data: South Africa: Transvaal, 15 km E Klaserie. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty1994a].

KEYS: Heraty 1994a: 58.

#### **Orasema initiator Kerrich**

*Orasema initiator* Kerrich, 1963: 368. Type data: India: Assam. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England; type no. 5.2067. Described: both sexes. Illust.

*Orasema initiator*; Heraty, 1994a: 76-77. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Japan (Ryuku Islands [Heraty1994a]). **Oriental**: India (Assam [Heraty1994a, Kerric1963]); Taiwan [Heraty1994a]; Vietnam [Heraty1994a].

KEYS: Heraty 1994a: 59.

#### **Orasema ishii Heraty**

*Orasema ishii* Heraty, 1994a: 64-65. Type data: Taiwan: Nantou Hsien, Tungpu. Holotype male (examined), by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Taiwan [Heraty1994a].

KEYS: Heraty 1994a: 58.

#### **Orasema koghisiana Heraty**

*Orasema koghisiana* Heraty, 1994a: 71-72. Type data: New Caledonia: Mts des Koghis. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: New Caledonia [Heraty1994a].

KEYS: Heraty 1994a: 58.

#### **Orasema mexicana Cockerell nomen nudum**

*Orasema mexicana* Cockerell, 1899: 213. *Nomen nudum*.

CITATIONS: Heraty2002 [catalog].

#### **Orasema minuta Ashmead**

*Orasema minuta* Ashmead, 1888[45]: 188. Type data: United States: Florida. Holotype male (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 27291. Described: male.

*Orasema minuta*; Gahan, 1940: 457-458. Described: male. Subsequent description.  
 ASSOCIATIONS: Hosts - FORMICIDAE **Myrmicinae**: *Leptothorax alardaci* [Heraty1994b] (Mistakenly published as *Tetramorium*), *Pheidole* nr *tetra* [Heraty1994b] (From Mexico, not Florida as published).  
 CITATIONS: Ashmea189282 [nomenclature]; Heraty1994b [host record].  
 DISTRIBUTION: **Nearctic**: Mexico; United States of America (Florida [Ashmea188845]).  
 KEYS: Gahan 1940: 439.

#### **Orasema minutissima Howard**

*Orasema minutissima* Howard, 1894: 84. Type data: West Indies: St. Vincent. Syntypes (examined). Type depository: London: Natural History Museum, England; type no. 5.372. Described: both sexes. Illust.  
*Orasema minutissima*; Gahan, 1940: 446-447. Described: female. Subsequent description.  
*Orasema minutissima*; Kerrich, 1963: 366-367. Described: both sexes. Illust. Subsequent description.  
 ASSOCIATIONS: Hosts - FORMICIDAE **Myrmicinae**: *Wasmannia auropunctata* Roger [Mann1918, Heraty1994b], *Wasmannia sigmoides* [Heraty1994b].  
 CITATIONS: Heraty1994b [description-Immatures, host record, distribution]; Heraty2002 [catalog]; Mann1918 [host record, distribution]; RomeroHe2010 [anatomy].  
 DISTRIBUTION: **Neotropical**: Cuba [Mann1918]; Saint Vincent and the Grenadines [Gahan1940, Howard1894].  
 KEYS: Gahan 1940: 438.

#### **Orasema monomoria Heraty**

*Orasema monomoria* Heraty, 2000: 376-378. Type data: Madagascar: Fianarantsoa Prov., 8.5 km SE Antanitotsy. Holotype female (examined), by original designation. Type depository: Riverside: UCR Entomological Teaching and Research Collection, Univ. Calif., CA, USA. Described: female. Illust.  
 ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Monomorium* sp. C [Heraty2000].  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Afrotropical**: Madagascar [Heraty2000].

#### **Orasema neomexicana Gahan**

*Orasema neomexicana* Gahan, 1940: 450. Type data: USA: New Mexico, San Augustine Ranch nr Organ Mountains. Syntypes (examined). Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53557. Described: female.  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Nearctic**: United States of America (California [Gahan1940], New Mexico [Gahan1940]).  
 KEYS: Gahan 1940: 438.

#### **Orasema nigra Heraty**

*Orasema nigra* Heraty, 1994a: 75-76. Type data: South Africa: Royal Natal National Park. Holotype female (examined), by original designation. Type depository: Gainesville: American Entomological Institute, FL, USA. Described: both sexes. Illust.  
 ASSOCIATIONS: Host – LEPIDOPTERA: **Lyonetiidae**: *Leucoptera* sp. on *Coffea arabica* L.; probably a mistaken insect association [Heraty1994a].  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Afrotropical**: South Africa [Heraty1994a]; Uganda [Heraty1994a].  
 KEYS: Heraty 1994a: 59.

#### **Orasema nirupama Girish Kumar & Narendran**

*Orasema nirupama* Girish Kumar & Narendran, 2007c: 150-152. Type data: India: Kerala, Malappuram Dist. Holotype female, by original designation. Type depository: Calcutta: National Zoological Collection, Zoological Survey of India, India; type no. 9994/H3. Described: female. Illust.  
 DISTRIBUTION: **Oriental**: India (Kerala [GirishNa2007c]).

#### **Orasema occidentalis Ashmead**

*Orasema occidentalis* Ashmead, 1892[82]: 355. Type data: United States: California, Los Angeles. Holotype female (examined), by monotypy. Type depository: Washington: United States National

Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2138.

Described: female.

*Orasema occidentalis*; Gahan, 1940: 457. Described: female. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (California [Ashmea189282]).

KEYS: Gahan 1940: 439.

#### **Orasema pireta Heraty**

*Orasema pireta* Heraty, 1993: 171. Type data: Paraguay: Pirareta. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: female. Illust.

CITATIONS: Heraty2002 [catalog]; VaroneHeCa2010 [Behavior, Biological Control].

DISTRIBUTION: **Neotropical**: Paraguay [HeratyWoJo1993].

#### **Orasema promecea Heraty**

*Orasema promecea* Heraty, 1994a: 66-67. Type data: Papua New Guinea: Jimmi V. - Baiyer R. Holotype male (examined), by original designation. Type depository: Gainesville: American Entomological Institute, FL, USA. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Papua New Guinea [Heraty1994a].

KEYS: Heraty 1994a: 58.

#### **Orasema rapo (Walker)**

*Eucharis rapo* Walker, 1839: 66. Type data: Brazil: Bahia. Syntypes (examined). Type depository: London: Natural History Museum, England; type no. 5.609. Described: female.

*Orasema rapo*; Kirby, 1886: 26. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Ecitoninae**: *Eciton quadriglume*? [Heraty1994b].

CITATIONS: Ashmea1904238 [catalog]; DeSant1967b [nomenclature]; Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Ashmea1904238].

#### **Orasema robertsoni Gahan**

*Orasema robertsoni* Gahan, 1940: 451-452. Type data: United States: southern Florida. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53558. Described: female.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole dentata*? [VanPel1950] (Probably a different species near *O. costaricensis*).

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Florida [Gahan1940]).

KEYS: Gahan 1940: 439.

#### **Orasema rugulosa Heraty**

*Orasema rugulosa* Heraty, 1994a: 67-68. Type data: Papua New Guinea: New Britain, Bainings. Holotype male (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: New Britain [Heraty1994a].

KEYS: Heraty 1994a: 58.

#### **Orasema salebrosa Heraty**

*Orasema salebrosa* Heraty, 1993: 171-172. Type data: Argentina: Buenos Aires, San Carlos de Bolivar. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

ASSOCIATIONS: Associates - ASTERALES **Asteraceae**: *Grindelia pulchella* Dann [VaroneBr2009], *Stevia aff. enteriensis* Hieron [VaroneBr2009]. ASTERALES **Asteraceae**: *Eupatorium aff. laevigatum* L.

[VaroneBr2009]. FABALES **Fabaceae**: *Glycine max* L. [VaroneBr2009], *Sesbania virgata* (Cav.) Pers. [VaroneBr2009]. GENTIANALES **Apocynaceae**: *Asclepias curassavica* L. [VaroneBr2009], *Vinca rosa* L. [VaroneBr2009]. LAMIALES **Plantaginaceae**: *Stemodia aff. lanceolata* Benth. [VaroneBr2009]. **Verbenaceae**: *Verbena montevidensis* Spreng. [VaroneBr2009]. LILIALES **Smilacaceae**: *Smilax campestris* Griseb [VaroneBr2009]. MALVALES **Malvaceae**: *Sidia rhombifolia* L. [VaroneBr2009]. POALES **Poaceae**: *Paspalum denticulatum* Trin. [VaroneBr2009], *Paspalum dilitatum* Poir [VaroneBr2009], *Paspalum notatum* Fluegge [VaroneBr2009], *Paspalum unispicatum* (Scribn. & Merr.) Nash [VaroneBr2009], *Zea mays* L. [VaroneBr2009]. SAPINDALES **Rutaceae**: *Citrus limon* (L.) Burn [VaroneBr2009]. SOLANALES **Solanaceae**: *Capsicum annuum* L. [VaroneBr2009]. Host - FORMICIDAE **Myrmicinae**: *Solenopsis richteri* Forel [HeratyWoJo1993, VaroneHeCa2010].  
 CITATIONS: Heraty2002 [catalog]; HeratyWoJo1993anatomy; VaroneHeCa2010 [Behavior, Biological Control].  
 DISTRIBUTION: **Neotropical**: Argentina [HeratyWoJo1993].

### **Orasema seyrigi Risbec**

*Orasema seyrigi* Risbec, 1952: 414-416. Type data: Madagascar: Bekily. Holotype female (examined), by monotypy. Type depository: MHNH. Described: female. Illust. Notes: Cited type locality in Risbec (1952) does not completely agree with specimen label, see Heraty (1992b).

*Orasema seyrigi*; Heraty, 1994a: 61-62. Described: female. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

KEYS: Heraty 1994a: 58.

### **Orasema simplex Heraty**

*Orasema simplex* Heraty, 1993: 172-173. Type data: Argentina: Buenos Aires, jct San Nicolas de Arroyos. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

ASSOCIATIONS: Hosts - FORMICIDAE **Myrmicinae**: *Solenopsis invicta* Buren [VaroneBr2009, VaroneHeCa2010], *Solenopsis richteri* Forel [HeratyWoJo1993, VaroneBr2009, VaroneHeCa2010].

HYMENOPTERA **Formicidae**: *Solenopsus quinquecuspis* Forel [VaroneHeCa2010].

CITATIONS: Heraty2002 [catalog]; VaroneBr2009 [Behavior, Life History]; VaroneHeCa2010 [Behavior, Biological Control].

DISTRIBUTION: **Neotropical**: Argentina [HeratyWoJo1993].

### **Orasema simulatrix Gahan**

*Orasema simulatrix* Gahan, 1940: 450. Type data: United States: Arizona, Oracle. Holotype female (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53556. Described: female.

CITATIONS: CareyViHe2012 [Behavior]; Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Arizona [Gahan1940]).

KEYS: Gahan 1940: 438.

### **Orasema sixaolae Wheeler and Wheeler**

*Orasema sixaolae* Wheeler and Wheeler, 1937: 163-164. Type data: Costa Rica: Limon Province, Sixaola River. Syntypes (examined). Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 63243. Described: female. Illust.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Solenopsis (Diplo.) tenuis* Mayr? [Wheele1907].

CITATIONS: Heraty1994b [host record]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Costa Rica [WheeleWh1937].

### **Orasema smithi Howard**

*Orasema smithi* Howard, 1896: 134. Type data: Grenada, West Indies. Holotype female (examined), by monotypy. Type depository: London: Natural History Museum, England; type no. 5.372. Described: female.

*Orasema smithi*; Gahan, 1940: 447. Described: female. Subsequent description.  
*Orasema smithi*; Kerrich, 1963: 367. Described: female. Illust. Subsequent description.  
 CITATIONS: Heraty2002 [catalog]; Wolcot1948 [Life History, distribution].  
 DISTRIBUTION: **Nearctic**: United States of America (Virginia [Gahan1940]). **Neotropical**: Cuba  
 [Howard1896]; Saint Vincent and the Grenadines [Gahan1940].  
 KEYS: Gahan 1940: 438.

**Orasema sp. b1 nr bakeri**

*Orasema sp. b1 nr bakeri* undescribed, 1993b.  
 ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Solenopsis xyloni x geminata* [Heraty1994b].  
 CITATIONS: Heraty1994b [host record].

**Orasema sp. b2 nr bakeri**

*Orasema sp. b2 nr bakeri* undescribed, 1993b.  
 ASSOCIATIONS: Hosts - FORMICIDAE **Myrmicinae**: *Pheidole nr californica* [Heraty1994b], *Pheidole nr clementensis* [Heraty1994b].  
 CITATIONS: Heraty1994b [host record].

**Orasema sp. c1 near costari.**

*Orasema sp. c1 near costari.* undescribed, 1993b.  
 ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole dentata* Roger [VanPel1950, Heraty1994b].  
 CITATIONS: Heraty1994b [host record]; VanPel1950 [host record, description-Immatures].

**Orasema sp. near Boučeki**

*Orasema near Boučeki* undescribed, 1993a: ???.  
 ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole* sp. [Heraty1994a]

**Orasema sp. nr coloradensis**

*Orasema near coloradensis* undescribed, 1993.  
 ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Formica oreas comptula* Wheeler [JohnsoMiHe1986, Heraty1994b].

**Orasema sp.1**

*Orasema sp.1* undescribed, 1974. Illust. Notes: Planidia on *Microcephalothrips* and *Frankliniella*.  
 ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole dentata* Mayr [VanPel1950].  
 CITATIONS: Beshea1974 [description-Immatures, host record, distribution].  
 DISTRIBUTION: **Nearctic**: United States of America (Georgia).

**Orasema sp.2**

*Orasema sp.2* undescribed, 1972: 414-418. Notes: planidia only on *Franklinella* (Thripidae).  
 CITATIONS: WilsonCo1972 [Life History].

**Orasema stramineipes Cameron**

*Orasema stramineipes* Cameron, 1884: 105. Type data: Panama: Bugaba. Syntypes, female (examined), type designation unknown. Type depository: London: Natural History Museum, England; type no. 5.370. Described: female. Illust.

*Orasema flavipes* Kirby, 1886: 29. Unjustified emendation; discovered by Dalla Torre, 1898: 361. Notes: Kirby (1886:29) found apparent discrepancies between Cameron's description of *stramineipes* and the associated figures (figs. 20a-c), which are labeled as *Orasema flavipes*. Based on this, Kirby regarded *O. stramineipes* as *lapsus calami* and recognized *flavipes* as the type species of *Orasema*. I find no such discrepancy, and since the description of *stramineipes* is complete and makes definite reference to the figures in question (including fig. 18, which is correctly labeled), I regard *flavipes* as *lapsus calami*. Kirby's emendation in favour of *flavipes* has been ignored by subsequent authors.

*Orasema stramineipes*; Howard, 1894: 84. Notes: New records from St. Vincent (probably not this species).

*Orasema stramineipes*; Gahan, 1940: 446. Notes: Discussion of status.

CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Neotropical**: Panama [Camero1884].  
 KEYS: Gahan 1940: 438.

### **Orasema striatosoma Heraty**

*Orasema striatosoma* Heraty, 1994a: 68-70. Type data: Uganda: Kampala. Holotype female (examined), by original designation. Type depository: Gainesville: American Entomological Institute, FL, USA. Described: both sexes. Illust.  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Afrotropical**: Rwanda [Heraty1994a]; South Africa [Heraty1994a]; Uganda [Heraty1994a].  
 KEYS: Heraty 1994a: 58.

### **Orasema susanae Gemignani**

*Orasema susanae* Gemignani, 1947: 6-8. Type data: Argentina: Mendoza Province. Holotype female (examined), by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 47.568. Described: female. Illust.  
 ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole* nr *tetra* [Heraty1994b].  
 CITATIONS: Heraty1994b [catalog]; Heraty2002 [catalog].  
 DISTRIBUTION: **Neotropical**: Argentina (Mendoza [Gemign1947]).

### **Orasema synempora Heraty**

*Orasema synempora* Heraty, 1994a: 77-79. Type data: Australia: Queensland, 3 km northeast of Mount Webb. Holotype female (examined), by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty1994a]).  
 KEYS: Heraty 1994a: 59.

### **Orasema texana Gahan**

*Orasema texana* Gahan, 1940: 440. Type data: USA: Texas, Denison. Holotype female (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53552. Described: female.  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Nearctic**: United States of America (Texas [Gahan1940]).  
 KEYS: Gahan 1940: 437.

### **Orasema tolteca Mann**

*Orasema tolteca* Mann, 1914: 183-184. Type data: Mexico: San Miguel. Syntypes (examined). Type depository: Cambridge: Museum of Comparative Zoology, Entomology Department, Harvard University, MA, USA. Described: both sexes.  
*Orasema tolteca*; Gahan, 1940: 444. Described: female. Subsequent description.  
 ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole hirtula* [Mann1914, Gahan1940, Heraty1994b] (Published host is *Pheidole vasliti* car. *alcohua* Wheeler (Gahan, 1940)).  
 CITATIONS: Heraty1994b [host record]; Heraty2002 [catalog].  
 DISTRIBUTION: **Nearctic**: Mexico (Hidalgo [Gahan1940]).  
 KEYS: Gahan 1940: 437.

### **Orasema uichancoi (Ishii)**

*Losbanus uichancoi* Ishii, 1932: 210. Type data: Philippines: Mindanao, Los Banos. Lectotype female (examined), by subsequent designation Heraty, 1994: 62. Type depository: National Institute of Agro-environmental Sciences, Tsukuba, Japan. Described: both sexes. Illust. Notes: Baltazar mentions type female as being deposited in Tokyo. See Heraty 1992 for notes on type.  
*Gollumiella uichancoi*; Bouček, 1988: 522. Change of combination.  
*Orasema uichancoi*; Heraty, 1992: 586. Change of combination.  
*Orasema uichancoi*; Heraty, 1994a: 62-64. Described: both sexes. Illust. Subsequent description.

ASSOCIATIONS: Associates - **Leguminosae**: *Leucanena glauca* [Ishii1932]. **Ulmaceae**: *Celtis philippinensis* [Ishii1932].

CITATIONS: Baltaz1966b [catalog]; Heraty1994a [description-Immatures, Behavior]; Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Philippines (Luzon [Ishii1932]).

KEYS: Heraty 1994a: 58.

### **Orasema valgius (Walker)**

*Eucharis valgius* Walker, 1839: 11. Type data: Australia: New South Wales, Sydney. Lectotype male (examined), by subsequent designation Bouček, 1988: 521. Type depository: London: Natural History Museum, England; type no. 5.617. Described: male.

*Stilbula valgius*; Walker, 1872: 66. Change of combination.

*Psilogasteroides valgius*; Girault, 1913[175]: 94. Change of combination.

*Orasema pheidolophaga* Girault, 1913[175]: 96. Type data: Australia: Victoria, Geelong. Lectotype male (examined), by subsequent designation Heraty, 1994a: 79. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: both sexes. Synonymy by Bouček, 1988: 521.

*Orasema pheidolophaga*; Girault, 1915[241]: 230. Described: both sexes. Subsequent description. Notes: Description repeated.

*Parapsilogaster valgius*; Girault, 1915[241]: 233. Described: both sexes. Change of combination. Notes: Walker's description repeated.

*Epimetegea valgius*; Hedqvist, 1978: 243. Change of combination.

*Orasema pheidolophaga*; Dahms, 1986: 408.

*Orasema valgius*; Bouček, 1988: 521. Illust. Change of combination.

*Orasema valgius*; Heraty, 1994a: 79-81. Described: both sexes. Illust. Subsequent description.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole* sp. [Girault1913175]

CITATIONS: Heraty1994b [host record]; Heraty2000 [Behavior]; Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Australasian**: Australia (Capital Territory [Heraty1994a], New South Wales [Heraty1994a, Walker1839], Queensland [Heraty1994a], Victoria [Heraty1994a]).

KEYS: Heraty 1994a: 59.

### **Orasema vianai Gemignani**

*Orasema vianai* Gemignani, 1937: 162-164. Type data: Argentina: Buenos Aires Province, Cruz Colorada. Holotype female (examined), by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 33765?. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Buenos Aires [Gemign1937]).

### **Orasema violacea Ashmead**

*Orasema violacea* Ashmead, 1888[45]: 187-188. Type data: United States: eastern Florida. Holotype male (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 27292. Described: male.

*Orasema violacea*; Gahan, 1940: 445-446. Described: female. Subsequent description.

CITATIONS: Ashmead189282 [Tre]; Brimle1938 [distribution]; Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Florida? [Ashmead188845], North Carolina [Brimle1938]).

KEYS: Gahan 1940: 438.

### **Orasema viridis Ashmead**

*Orasema viridis* Ashmead, 1895[112]: 553. Type data: Mexico: Tepic. Holotype male, by monotypy. Type depository: San Francisco: California Academy of Sciences, Dept. Ent., CA, USA. Described: both sexes. Notes: Type believed destroyed in San Francisco earthquake and fire. Ashmead (1895) states that the description is for the female, but his specimen data is for a single male. The description is not adequate to distinguish the sex. The only characters adequate for diagnosing the species are the colour of the scape, femora and body (including petiole and gaster) being metallic green.

*Orasema viridis*; Gahan, 1940: 454-455. Described: both sexes. Subsequent description. Notes: Based on five specimens from Chiricahua Mountains, Arizona.

CITATIONS: Brimle1942 [Rre]; Heraty2002 [catalog]; JohnsoMiHe1986 [description-Immatures, Lhi, host record, host plant]; Parker1924 [description-Immatures]; Smith1912 [illustration-adult].

DISTRIBUTION: **Nearctic**: Mexico (Nayarit [Ashmea1895112]); United States of America (Arizona [Gahan1940], Kansas [LaBerg1956], New Mexico [Cocker1899], North Carolina [Brimle1942]).

KEYS: Gahan 1940: 439.

### ***Orasema wheeleri* Wheeler**

*Orasema wheeleri* Wheeler, 1907: 14. Type data: United States: Texas, Fort Davis. Holotype female (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 27293. Described: female. Illust. Notes: Manuscript name of Ashmead. First published by Wheeler (1907: 14) (Gahan, 1940). Gahan discusses the type status of this species. Wheeler published that one female was collected from Fort Davis, TX on July 14, 1902 in a nest of *Pheidole ceres* Wheeler. The specimen in the USNM was collected at Fort Davis on July 11, 1902 from *Pheidole carbonaria* Perg. These data refer to the same specimen (Gahan, 1940).

*Orasema viridis*; Wheeler, 1907: 2-12. Misidentification; discovered by Gahan, 1940: 456. Notes: Gahan (1940:454-455) stated that specimens identified by Ashmead for Wheeler (1907), are the same as *O. wheeleri*, and are distinct from what *he* [!!!] has identified as *O. viridis* Ashmead.

*Orasema wheeleri*; Gahan, 1940: 456-457. Subsequent description.

ASSOCIATIONS: Associate - POLYGONACEAE : *Eriogonum* [Gahan1940]. Foe - FORMICIDAE **Myrmicinae**: *Pheidole carbonaria* Pergande [Wheele1907]. Hosts - FORMICIDAE **Myrmicinae**: *Pheidole ceres* Wheeler [Wheele1907], *Pheidole kingi instabilis* Emery [Wheele1907], *Pheidole sciophila* Wheeler? [Gahan1940], *Pheidole tepicana* Pergande? [Gahan1940].

CITATIONS: Heraty1994b [host record]; Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Colorado [Gahan1940], Texas [Wheele1907]).

KEYS: Gahan 1940: 439.

### ***Orasema worcesteri* (Girault)**

*Eucharomorpha worcesteri* Girault, 1913[157]: 62-63. Type data: Paraguay: San Bernardino. Holotype male (examined), by monotypy. Type depository: Berlin: Museum fur Naturkunde der Humboldt Universitat zu Berlin, Germany. Described: male.

*Orasema doello-juradoi* Gemignani, 1933: 490-491. Type data: Argentina: Isla Martin Garcia. Holotype female (examined), by original designation. Type depository: NMBA; type no. 31765. Described: female. Illust.

*Orasema worcesteri*; Bouček, 1988: 519. Change of combination.

*Orasema worcesteri*; Heraty et al., 1993: 173-174. Described: both sexes. Illust. Subsequent description.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole radoszkowskii* [Heraty1994b].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Paraguay [Giraul1913157].

### ***Orasema xanthopus* (Cameron)**

*Semora xanthopus* Cameron, 1909a: 433. Type data: Argentina: Mendoza. Lectotype female (examined), by subsequent designation Heraty et al., 1993: 174. Type depository: London: Natural History Museum, England; type no. 5.369. Described: female.

*Eucharomorpha paraguayensis* Girault, 1913[157]: 63. Type data: Argentina: Mendoza. Holotype male (examined), by monotypy. Type depository: Berlin: Museum fur Naturkunde der Humboldt Universitat zu Berlin, Germany. Described: male. Synonymy by Heraty et al., 1993: 174. Notes: Type locality taken from holotype label data; published locality of San Bernardino (Paraguay) is an error.

*Semorata xanthopus*; Strand, 1942: 393. Change of combination.

*Semorella xanthopus*; Ghesquière, 1946: 368. Change of combination.

*Orasema xanthopus*; Kerrich, 1963: 366. Change of combination.

*Orasema crassa* De Santis, 1968: 3. Type data: Uruguay: Canelones. Holotype female (examined), by original designation. Type depository: FCNM; type no. Za-201. Described: female. Illust. Synonymy by Heraty et al., 1993: 174.



*Orasema xanthopus*; Heraty et al., 1993: 174-181. Described: both sexes. Illust. Subsequent description.  
 ASSOCIATIONS: Hosts - FORMICIDAE **Myrmicinae**: *Solenopsis invicta* Buren [WojcikJoBa1987, WilliaWh1973, HeratyWoJo1993, DeSant1968, VaroneHeCa2010], *Solenopsis saevissima* complex [WilliaWh1973, HeratyWoJo1993, Heraty1994b, BrianoCaVa2012]. HYMENOPTERA **Myrmicinae**: *Solenopsis quinquecupis* Forel [VaroneHeCa2010].  
 CITATIONS: BrianoCaVa2012 [Behavior, host record]; Heraty1994b [host record, illustration-immature]; Heraty2002 [catalog]; Robert1958 [Life History]; Silvie1962 [host record, Life History]; Tocche1942 [Life History]; VanderJoWo1989 [Life History, Behavior]; VaroneHeCa2010 [Behavior, Biological Control]; Willia1980 [Life History, host record]; WilliaWh1973 [Life History, host record]; Wojcik1986 [Life History, host record]; Wojcik1988 [Life History]; Wojcik1989 [Life History]; Wojcik1990 [Life History]; WojcikJoBa1987 [Life History].  
 DISTRIBUTION: **Neotropical**: Argentina [HeratyWoJo1993]; Bolivia [HeratyWoJo1993]; Brazil [HeratyWoJo1993]; Colombia [HeratyWoJo1993]; Ecuador [HeratyWoJo1993]; Guyana [HeratyWoJo1993]; Peru [HeratyWoJo1993]; Uruguay [HeratyWoJo1993].

### **Orasemorpha Bouček**

*Orasemorpha* Bouček, 1988: 518-519. Type species: *Eucharomorpha viridis* Girault (= *Orasemorpha eribotes* (Walker)), by original designation.  
*Orasemorpha*; Heraty, 1994a: 40-41. Subsequent description.  
*Orasemorpha*; Heraty, 2002: 60-61. Subsequent description. Notes: Brief diagnosis and catalog.  
 CITATIONS: Heraty2000 [Description of immatures, phylogeny].  
 KEYS: Heraty 1994a: 42.

### **Orasemorpha didentata (Girault)**

*Eucharomorpha didentata* Girault, 1940[459]: 325-326. Type data: Australia: A.C.T., Blundell's. Lectotype female (examined), by subsequent designation Heraty, 1994a: 50. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female.  
*Eucharomorpha didentata*; Dahms, 1983: 221-222.  
*Orasemorpha bidentata*; Bouček, 1988: 519. Change of combination. Notes: Misspelling of specific epithet.  
*Orasemorpha didentata*; Heraty, 1994a: 50-51. Described: both sexes. Illust. Subsequent description.  
 CITATIONS: Heraty2000 [Behavior, description-Immatures]; Heraty2002 [catalog].  
 DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty1994a], South Australia [Heraty1994a], Territory of Ashmore & Cartier Islands [Giraul1940459, Heraty1994a]).  
 KEYS: Heraty 1994a: 42.

### **Orasemorpha eribotes (Walker)**

*Eucharis eribotes* Walker, 1839: 13-14. Type data: Australia: Tasmania, Hobart. Lectotype male (examined), by subsequent designation Bouček, 1988: 519. Type depository: London: Natural History Museum, England; type no. 5.619. Described: male. Notes: Two male syntypes from Hobart labelled "1440a" and "1440b" (lectotype). An additional determined female from Sydney labelled "1440c", but not mentioned in original description, is closer to *O. myrmicae*.  
*Psilogasteroides eribotes*; Girault, 1913[175]: 94. Change of combination.  
*Eucharomorpha dubia* Girault, 1913[175]: 95. Type data: Australia: Tasmania, Hobart. Holotype male (examined), by monotypy. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: male. Synonymy by Heraty, 1994a: 51.  
*Eucharomorpha fuscipes* Girault, 1913[175]: 95. Type data: Australia: Tasmania, Hobart. Lectotype male (examined), by subsequent designation Heraty, 1994a: 52. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: male. Synonymy by Heraty, 1994a: 51.  
*Eucharomorpha viridis* Girault, 1913[175]: 95. Type data: Australia: Tasmania, Swansea. Holotype female (examined), by monotypy. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: female. Synonymy by Heraty, 1994a: 51. Notes: Holotype mistakenly identified as male; corrected in Girault (1915).  
*Eucharomorpha viridis*; Girault, 1915[241]: 229. Subsequent description. Notes: Description repeated.  
*Eucharomorpha fuscipes*; Girault, 1915[241]: 229-230. Subsequent description. Notes: Description repeated.

*Eucharomorpha viridis*; Girault, 1929[431]: 331. Described: female. Notes: New record and additional notes.

*Eucharomorpha partiglabra* Girault, 1940[459]: 324. Type data: Australia: Victoria, Swan Hill. Lectotype female (examined), by subsequent designation Heraty, 1994a: 52. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female. Synonymy by Heraty, 1994a: 51-52.

*Epimetagea eribotes*; Hedqvist, 1978: 243. Change of combination.

*Eucharomorpha dubia*; Dahms, 1983: 233.

*Eucharomorpha fuscipes*; Dahms, 1984: 642.

*Eucharomorpha partiglabra*; Dahms, 1986: 384.

*Eucharomorpha viridis*; Dahms, 1986: 640-641.

*Orasemorpha eribotes*; Bouček, 1988: 519. Illust. Change of combination. Notes: Also new combination for *dubia*, *fuscipes*, *partiglabra* and *viridis*.

*Orasemorpha eribotes*; Heraty, 1994a: 51-54. Subsequent description.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole* sp. [Bouceck1988]

CITATIONS: Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty1994a], Tasmania [Walker1839, Heraty1994a], Territory of Ashmore & Cartier Islands [Heraty1994a], Victoria [Girault1915241, Heraty1994a], Western Australia [Heraty1994a]).

KEYS: Heraty 1994a: 42.

#### **Orasemorpha goethei (Girault)**

*Eucharomorpha goethei* Girault, 1934[442]: 2[307]. Type data: Australia: Victoria, Melbourne. Lectotype female (examined), by subsequent designation Heraty, 1994a: 46. Type depository: Department of Entomology, Museum of Victoria, Victoria, Australia. Described: female.

*Eucharomorpha goethei*; Dahms, 1984: 654.

*Orasemorpha goethei*; Bouček, 1988: 519. Change of combination.

*Orasemorpha goethei*; Heraty, 1994a: 46-47. Described: both sexes. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Girault1934442, Heraty1994a], Victoria [Girault1934442, Heraty1994a]).

KEYS: Heraty 1994a: 42.

#### **Orasemorpha myrmicae (Girault)**

*Epimetagea myrmicae* Girault, 1936[447]: 3[324]. Type data: Australia: Victoria, Belgrave. Lectotype female (examined), by subsequent designation Heraty, 1994a: 44. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9262. Described: female.

*Epimetagea myrmicae*; Hedqvist, 1978: 243.

*Epimetagea myrmicae*; Dahms, 1984: 842.

*Chalcura myrmicae*; Bouček, 1988: 529. Change of combination.

*Orasemorpha myrmicae*; Heraty, 1994a: 44-45. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole* sp. [Girault1936447]

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (South Australia [Heraty1994a], Victoria [Girault1936447]).

KEYS: Heraty 1994a: 42.

#### **Orasemorpha pyttalus (Walker)**

*Eucharis pyttalus* Walker, 1846: 21, 87-88(descr.). Type data: Australia: South Australia. Holotype female (examined), by monotypy. Type depository: London: Natural History Museum, England; type no. 5.615. Described: female.

*Orasemorpha pyttalus*; Bouček, 1988: 519. Change of combination.

*Orasemorpha pyttalus*; Heraty, 1994a: 47-48. Described: female. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Heraty1994a], Queensland [Heraty1994a], South Australia [Walker1846]).

KEYS: Heraty 1994a: 42.

**Orasemorpha sparsepilosa Heraty**

*Orasemorpha sparsepilosa* Heraty, 1994a: 48-49. Type data: Australia: New South Wales, Moree. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales, Queensland).

KEYS: Heraty 1994a: 42.

**Orasemorpha tridentata (Girault)**

*Eucharomorpha tridentata* Girault, 1915[241]: 230. Type data: Australia: Queensland, Mackay. Lectotype female (examined), by subsequent designation Heraty, 1994a: 45. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.3287. Described: female.

*Eucharomorpha wheeleri* Brues, 1934: 203-205. Type data: Australia: New South Wales, Wentworth Falls. Lectotype female (examined), by subsequent designation Heraty, 1994a: 45. Type depository: Cambridge: Museum of Comparative Zoology, Entomology Department, Harvard University, MA, USA. Described: female. Illust. Synonymy by Heraty, 1994a: 45.

*Eucharomorpha tridentata*; Dahms, 1986: 597.

*Orasemorpha tridentata*; Bouček, 1988: 519. Change of combination.

*Orasemorpha wheeleri*; Bouček, 1988: 519. Change of combination.

*Orasemorpha tridentata*; Heraty, 1994a: 45-46. Described: female. Illust. Subsequent description.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole proxima* Mayr [Brues1934].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Brues1934], Queensland [Girault1915241, Heraty1994a], Territory of Ashmore & Cartier Islands [Heraty1994a]).

KEYS: Heraty 1994a: 42.

**Orasemorpha varidentata (Girault)**

*Eucharomorpha varidentata* Girault, 1936[447]: 3[324]. Type data: Australia: Tasmania, Lindisfarne. Lectotype female (examined), by subsequent designation Bouček, 1988: 519. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.10049. Described: female.

*Eucharomorpha varidentata*; Dahms, 1986: 622.

*Orasemorpha varidentata*; Bouček, 1988: 519. Change of combination.

*Orasemorpha varidentata*; Heraty, 1994a: 49-50. Described: female. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Tasmania [Girault1936447]).

KEYS: Heraty 1994a: 42.

**Orasemorpha xeniades (Walker)**

*Eucharis xeniades* Walker, 1839: 14-15. Type data: Australia: New South Wales, Sydney. Lectotype male (examined), by subsequent designation Bouček, 1988: 519. Type depository: London: Natural History Museum, England; type no. 5.620.

*Orasemorpha xeniades*; Bouček, 1988: 519, f.928. Illust. Change of combination. Notes: New records

*Orasemorpha xeniades*; Heraty, 1994a: 43-44. Described: both sexes. Illust. Subsequent description.

ASSOCIATIONS: Host - MYRMICINAE : *Pheidole tasmanensis* [Heraty1994a].

CITATIONS: Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Walker1839, Heraty1994a], South Australia [Heraty1994a], Tasmania [Heraty1994a], Victoria [Heraty1994a]).

KEYS: Heraty 1994a: 42.

**Timioderus Waterston**

*Timioderus* Waterston, 1916: 413. Type species: *Timioderus refringens* Waterston, by original designation.

*Timioderus*; Heraty, 1994a: 32-33. Subsequent description.

*Timioderus*; Heraty, 2002: 64-65. Subsequent description. Notes: Brief diagnosis and catalog.

CITATIONS: Heraty2000 [Description of immatures, phylogeny].

KEYS: Heraty 1994a: 31-32.

**Timioderus acuminatus Heraty**

*Timioderus acuminatus* Heraty, 1994a: 36-37. Type data: South Africa: Cape Province, Ceres. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pheidole capensis* Mayr [Heraty2000].

CITATIONS: Heraty2000 [Behavior, description-Immatures]; Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty1994a].

KEYS: Heraty 1994a: 34.

**Timioderus coronula Heraty**

*Timioderus coronula* Heraty, 1994a: 37. Type data: South Africa: Cape Province, Grahamstown. Holotype male (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Nigeria [Heraty1994a]; South Africa [Heraty1994a].

KEYS: Heraty 1994a: 34.

**Timioderus peridentatus Heraty**

*Timioderus peridentatus* Heraty, 1994a: 34-36. Type data: South Africa: Cape Province, Mossel Bay. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

CITATIONS: Heraty2000 [Behavior, description-Immatures]; Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty1994a].

KEYS: Heraty 1994a: 33.

**Timioderus ramosus Heraty**

*Timioderus ramosus* Heraty, 1994a: 37-38. Type data: South Africa: Cape Province, Aliwal North. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty1994a].

KEYS: Heraty 1994a: 34.

**Timioderus refringens Waterston**

*Timioderus refringens* Waterston, 1916: 413-417. Type data: Malawi: Monkey Bay. Lectotype female (examined), by subsequent designation Heraty, 1994a: 35. Type depository: London: Natural History Museum, England; type no. 5.374. Described: female. Illust.

*Orasema viridicyanea* Risbec, 1958: 150. Type data: Zimbabwe: Penkrige. Holotype female (examined), by original designation. Type depository: SAFM; type no. 30C7. Described: female. Illust. Synonymy by Heraty, 1994a: 35.

*Timioderus refringens*; Heraty, 1994a: 35-36. Described: both sexes. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Kenya; Malawi; Mozambique; South Africa; Tanzania; Uganda; Zimbabwe.

KEYS: Heraty 1994a: 34.

**Subfamily Eucharitinae Walker**

*Eucharidae* Walker, 1846: 21. Type species: *Eucharis* Fabricius.

*Eucharidae* Walker, 1846: 21. Type species: *Eucharis* Fabricius.

*Eucharinae* Kirby, 1886: 28.

*Eucharitinae* Burks, 1979: 875. Notes: First separation as distinct subfamily within Eucharitidae.

*Eucharitinae*; Heraty, 1994a: 20. Subsequent description.

*Eucharitinae*; Heraty, 1995: 321. Subsequent description. Notes: Costa Rica.

*Eucharitinae*; Heraty, 2002: 66-67. Subsequent description. Notes: Brief diagnosis and synopsis of distribution.

CITATIONS: Heraty1997 [Da., Life History]; Heraty2002[catalog]; LachauCePe2012 [Behavior, host record]; LachauLeHu2013 [Behavior]; MurrayCaHe2013 [phylogeny].  
KEYS: Heraty 2006: 711-714.

### Tribe Psilocharitini Heraty

*Psilocharitini*; Heraty, 2002: 67-68. Subsequent description. Notes: Brief diagnosis.  
CITATIONS: HeratyDa2009 [fossil placement].

#### Neolosbanus Heraty

*Neolosbanus* Heraty, 1994a: 93-96. Type species: *Orasema palgravei* Girault, by original designation.  
*Neolosbanus*; Heraty, 2002: 68-69. Subsequent description. Notes: Brief diagnosis.  
KEYS: Heraty 1994a: 96-98.

#### Neolosbanus anapetus Heraty

*Neolosbanus anapetus* Heraty, 1994a: 115-116. Type data: Philippines: Mindanao, Mountain Province, Mayoyao. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.  
CITATIONS: Heraty2002 [catalog].  
DISTRIBUTION: **Oriental**: Philippines (Mindanao [Heraty1994a]).  
KEYS: Heraty 1994a: 98.

#### Neolosbanus apoanus Heraty

*Neolosbanus apoanus* Heraty, 1994a: 100-101. Type data: Philippines: Mindanao, Mount Apo. Holotype male (examined), by original designation. Type depository: Cambridge: Museum of Comparative Zoology, Entomology Department, Harvard University, MA, USA. Described: male. Illust.  
CITATIONS: Heraty2002 [catalog].  
DISTRIBUTION: **Oriental**: Philippines [Heraty1994a].  
KEYS: Heraty 1994a: 96.

#### Neolosbanus gemma (Girault)

*Orasema gemma* Girault, 1932[437]: 4[289]. Type data: Australia: Queensland, Kuranda. Lectotype female (examined), by subsequent designation Bouček, 1988: 520. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.8969. Described: female. Illust.  
*Orasema gemma*; Dahms, 1984: 646.  
*Neolosbanus gemma*; Heraty, 1994a: 98-99. Described: female. Illust. Change of combination. Notes:  
ASSOCIATIONS: Host - FORMICIDAE **Ponerinae**: *Hypoponera* sp. [Heraty1994a]  
CITATIONS: Heraty2002 [catalog].  
DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1932437, Heraty1994a]).  
KEYS: Heraty 1994a: 96.

#### Neolosbanus gressitti (Watanabe)

*Losbanus gressitti* Watanabe, 1958: 28, f.5.. Type data: Caroline Islands. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 64015. Described: female. Illust.  
*Neolosbanus gressitti*; Heraty, 1994a: 114. Described: both sexes. Illust. Change of combination. Notes: Redescription.  
CITATIONS: Heraty2002 [catalog].  
DISTRIBUTION: **Australasian**: Caroline Islands (Palau [Heraty1994a, Watana1958]).  
KEYS: Heraty 1994a: 97.

**Neolosbanus kokureanus Heraty**

*Neolosbanus kokureanus* Heraty, 1994a: 114-115. Type data: Papua New Guinea: Bougainville, Kokure. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Solomon Islands (Bougainville [Heraty1994a]).

KEYS: Heraty 1994a: 97.

**Neolosbanus laeviceps (Gahan)**

*Psilogaster laeviceps* Gahan, 1940: 429-430. Type data: Sri Lanka [Ceylon]: Peradeniya. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53550. Described: female.

*Parapsilogaster laeviceps*; Ghesquière, 1946: 368. Change of combination.

*Losbanus laeviceps*; Watanabe, 1958: 26. Change of combination.

*Orasema purpureoventris*; Bouček, 1988: 520. Misidentification. Notes: Erroneous synonymy.

*Neolosbanus laeviceps*; Heraty, 1994a: 105-106. Described: both sexes. Illust. Change of combination.

CITATIONS: Darlin1988 [anatomy]; Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Japan (Ryuku Islands [Heraty1994a]). **Australasian**: Japan (Ryuku Islands [Heraty1994a]). **Oriental**: India (Tamil Nadu [Heraty1994a]); Laos [Heraty1994a]; Sri Lanka [Heraty1994a]; Taiwan [Heraty1994a]; Vietnam [Heraty1994a]. **Palearctic**: Japan (Honshu [Heraty1994a]).

KEYS: Heraty 1994a: 97.

**Neolosbanus nepalensis Heraty**

*Neolosbanus nepalensis* Heraty, 1994a: 108-109. Type data: Nepal: Kathmandu, Godavari. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Nepal [Heraty1994a].

KEYS: Heraty 1994a: 97.

**Neolosbanus palgravei (Girault)**

*Orasema palgravei* Girault, 1922[361]: 105-106. Type data: Australia: Queensland, Cairns. Lectotype female (examined), by subsequent designation Heraty, 1994a: 109. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9405. Described: both sexes.

*Psilogaster nishidai* Ishii & Nagasawa, 1941: 292-294. Type data: Caroline Islands. Unknown type status. Described: female. Illust. Synonymy by Heraty, 1994a: 109.

*Losbanus nishidai*; Watanabe, 1958: 27-28. Change of combination.

*Losbanus petersoni* Hedqvist, 1978: 229. Type data: Philippines: Palawan, Tagabung. Holotype female (examined), by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: female. Illust. Synonymy by Heraty, 1994a: 109.

*Losbanus nishidai*; Hedqvist, 1978: 230. Notes: List and key.

*Orasema palgravei*; Dahms, 1986: 376.

*Neolosbanus nishidai*; Bouček, 1988: 520. Notes: Unjustified synonymy with *purpureoventris*.

*Losbanus petersoni*; Bouček, 1988: 521. Notes: Unjustified synonymy with *purpureoventris*.

*Orasema indica* Snehathala and Narendran, 1992: 355. Type data: India: Kerala, Trichur. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust. Synonymy by Heraty, 1994a: 109.

*Neolosbanus palgravei*; Heraty, 1994a: 109-113. Described: both sexes. Illust. Change of combination. Notes:

ASSOCIATIONS: Host - FORMICIDAE **Ponerinae**: *Hypoconera* sp. [Heraty1994a]

CITATIONS: Heraty2002 [catalog]; Yasuma1942 [distribution].

DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty1994a, Giraul1922361]); Caroline Islands (Palau [Heraty1994a]). **Australasian**: Caroline Islands (Palau [Heraty1994a]); Japan (Ryuku Islands [Heraty1994a]). **Australasian**: Palau [Yasuma1942]; Papua New Guinea [Heraty1994a]. **Australasian**: Papua New Guinea [Heraty1994a]. **Australasian**: Solomon Islands (Bougainville [Heraty1994a]). **Oriental**: India (Kerala [SnehalNa1992]); Indonesia (Ceram [Heraty1994a], Irian Jaya [Heraty1994a], Java [Heraty1994a], Kalimantan (=Borneo) [Heraty1994a]); Malaysia (Malaya [Heraty1994a]); Nepal [Heraty1994a]; Philippines (Mindanao [Heraty1994a]); Singapore [Heraty1994a]; Taiwan [Heraty1994a]; Thailand [Heraty1994a]; Vietnam [Heraty1994a]. **Palaeartic**: Algeria [Heraty1994a].

KEYS: Heraty 1994a: 97.

### **Neolosbanus pilosus Heraty**

*Neolosbanus pilosus* Heraty, 1994a: 107-108. Type data: VIET NAM: Fyan. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Vietnam [Heraty1994a].

KEYS: Heraty 1994a: 97.

### **Neolosbanus purpureoventris (Cameron)**

*Eucharis purpureoventris* Cameron, 1909: 232. Type data: East Malaysia: Sarawak, Kuching. Lectotype female (examined), by subsequent designation Bouček, 1988: 520. Type depository: London: Natural History Museum, England; type no. 5.367. Described: both sexes. Illust.

*Orasema purpureoventris*; Bouček, 1988: 520-521. Misidentification. Notes: In part. Distribution and illustrations mostly for *palgravei* (see Heraty, 1992b). Includes erroneous synonymies of *laeviceps*, *nishidai* and *petersoni*.

*Neolosbanus purpureoventris*; Heraty, 1994a: 103-104. Described: both sexes. Illust. Change of combination. Notes:

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [Heraty1994a], Hainan [Heraty1994a]); Indonesia (Kalimantan (=Borneo) [Heraty1994a]); Laos [Heraty1994a]; Malaysia (Malaya [Heraty1994a]); Nepal [Heraty1994a]; Taiwan [Heraty1994a]; Thailand [Heraty1994a]; Vietnam [Heraty1994a].

KEYS: Heraty 1994a: 96.

### **Neolosbanus storeyi Heraty**

*Neolosbanus storeyi* Heraty, 1994a: 101-103. Type data: Papua New Guinea: Nondugl. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty1994a]); Papua New Guinea [Heraty1994a]; Solomon Islands (Bougainville [Heraty1994a]). **Oriental**: Indonesia (Ceram [Heraty1994a]).

KEYS: Heraty 1994a: 96.

### **Neolosbanus taiwanensis Heraty**

*Neolosbanus taiwanensis* Heraty, 1994a: 106-107. Type data: Taiwan: Wufeng. Holotype female (examined), by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: China (Hunan [Heraty1994a]); Taiwan [Heraty1994a].

KEYS: Heraty 1994a: 97 (adult).

### **Neolosbanus townesi Heraty**

*Neolosbanus townesi* Heraty, 1994a: 104-105. Type data: Papua New Guinea: Kassam Pass. Holotype female (examined), by original designation. Type depository: Gainesville: American Entomological Institute, FL, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Papua New Guinea [Heraty1994a].

KEYS: Heraty 1994a: 97.

### **Neolosbanus violaceus Heraty**

*Neolosbanus violaceus* Heraty, 1994a: 116-117. Type data: Papua New Guinea: Baiyer River. Holotype male (examined), by original designation. Type depository: Gainesville: American Entomological Institute, FL, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Papua New Guinea [Heraty1994a].

KEYS: Heraty 1994a: 98.

### **Neolosbanus watanabei Heraty**

*Neolosbanus watanabei* Heraty, 1994a: 102-103. Type data: Philippines: Negros: Cuernos de Negros. Holotype female (examined), by original designation. Type depository: Toronto: Royal Ontario Museum. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Philippines [Heraty1994a] (Negros [Heraty1994a]).

KEYS: Heraty 1994a: 96.

### **Neolosbanus wusheanus Heraty**

*Neolosbanus wusheanus* Heraty, 1994a: 99-101. Type data: Taiwan: Nantou Hsien, Wushe. Holotype female (examined), by original designation. Type depository: Gainesville: American Entomological Institute, FL, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Taiwan [Heraty1994a].

KEYS: Heraty 1994a: 96 (adult).

### **Palaeocharis Heraty & Darling (fossil)**

*Palaeocharis* Heraty & Darling, 2009: 5-8. Type species: *Palaeocharis rex* Heraty & Darling, by original designation.

### **Palaeocharis rex Heraty & Darling**

*Palaeocharis rex* Heraty & Darling, 2009: 5-8. Type data: Baltic Amber, Lutetian. Holotype female (examined), by original designation. Type depository: New York: American Museum of Natural History, Dept. Ent. Coll., NY, USA; type no. JWJ686. Described: female. Illust.

### **Psilocharis Heraty**

*Psilocharis* Heraty, 1994a: 81-83. Type species: *Eucharis theocles* Walker, by original designation.

*Psilocharis*; Heraty, 2002: 72. Subsequent description. Notes: Brief diagnosis.

KEYS: Heraty 1994a: 83-84.

### **Psilocharis aenigma Heraty**

*Psilocharis aenigma* Heraty, 1994a: 84. Type data: Madagascar: Ambohitsitondrona. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Heraty1994a].

KEYS: Heraty 1994a: 83 (adult).

### **Psilocharis afra Heraty**

*Psilocharis afra* Heraty, 1994a: 90-91. Type data: Uganda: Kalinzu forest. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog]; KlopfsViHe2013 [phylogeny]; MunroHeBu2011 [phylogeny];

SharkeCaVi2011 [phylogeny].



DISTRIBUTION: **Afrotropical**: Cameroon [Heraty1994a]; Kenya [Heraty1994a]; Malawi [Heraty1994a]; South Africa [Heraty1994a]; Uganda [Heraty1994a].

KEYS: Heraty 1994a: 84.

### ***Psilocharis dahmsi* Heraty**

*Psilocharis dahmsi* Heraty, 1994a: 87-88. Type data: Papua New Guinea: Swart Valley. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Papua New Guinea [Heraty1994a].

### ***Psilocharis hypena* Heraty**

*Psilocharis hypena* Heraty, 1994a: 91-93. Type data: Malaysia: Sarawak, Tenompok. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [Heraty1994a], Guangdong (=Kwangtung) [Heraty1994a], Jiangxi (=Kiangsi) [Heraty1994a]); India (Himachal Pradesh [Heraty1994a]); Indonesia (Sumatra [Heraty1994a]); Malaysia (Malaya [Heraty1994a]); Philippines (Luzon [Heraty1994a]); Taiwan [Heraty1994a]. **Palearctic**: Japan (Kyushu [Heraty1994a]).

KEYS: Heraty 1994a: 84 (adult).

### ***Psilocharis joanneae* Heraty**

*Psilocharis joanneae* Heraty, 1994a: 88-89. Type data: Australia: Queensland, Mount Webb National Park. Holotype female (examined), by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty1994a]).

KEYS: Heraty 1994a: 83.

### ***Psilocharis monilicera* Heraty**

*Psilocharis monilicera* Heraty, 1994a: 85. Type data: South Africa: Cape Province, Grahamstown. Holotype male (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty1994a].

KEYS: Heraty 1994a: 83 (adult).

### ***Psilocharis pacifica* Heraty**

*Psilocharis pacifica* Heraty, 1994a: 86-87. Type data: Fiji: Vanua Levu. Holotype female (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Fiji [Heraty1994a].

KEYS: Heraty 1994a: 83.

### ***Psilocharis pentella* Heraty**

*Psilocharis pentella* Heraty, 1994a: 85-86. Type data: Indonesia: Sumatra, Aceh. Holotype female (examined), by original designation. Type depository: Berlin: Museum fur Naturkunde der Humboldt Universitat zu Berlin, Germany. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Indonesia (Sumatra [Heraty1994a]).

KEYS: Heraty 1994a: 83.

**Psilocharis theocles (Walker)**

*Eucharis theocles* Walker, 1839: 11-12. Type data: Australia: New South Wales, Sydney. Lectotype male (examined), by subsequent designation Bouček, 1988: 521. Type depository: London: Natural History Museum, England; type no. 5.618. Described: both sexes. Illust.

*Psilogaster theocles*; Girault, 1913[175]: 93. Change of combination.

*Psilogaster theocles*; Girault, 1915[241]: 232.

*Orasema emma* Girault, 1934[442]: 2[307]. Type data: Australia: Queensland, Tumoulin. Lectotype female (examined), by subsequent designation Bouček, 1988: 521. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female. Synonymy by Bouček, 1988: 521.

*Orasema emma*; Girault, 1936[447]: 3[324]. Subsequent description. Notes: Description repeated.

*Orasema emma*; Dahms, 1983: 249.

*Orasema theocles*; Bouček, 1988: 521. Change of combination.

*Psilocharis theocles*; Heraty, 1994a: 89-90. Described: both sexes. Illust. Change of combination. Notes: CITATIONS: Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Australasian**: Australia [Girault1936447, Girault1936447] (New South Wales [Heraty1994a, Walker1839], Queensland [Heraty1994a, Girault1934442], Tasmania [Heraty1994a], Territory of Ashmore & Cartier Islands [Heraty1994a], Western Australia [Heraty1994a]).

KEYS: Heraty 1994a: 84.

**Tribe Eucharitini Heraty**

*Eucharitini* Heraty, 2002: 74-75. Type species: *Eucharis* Fabricius, by original designation. Notes: Brief diagnosis.

**Ancylotropus Cameron**

*Ancylotropus* Cameron, 1909c: 229. Type species: *Ancylotropus carniscutis* Cameron, by monotypy.

*Ancylotropus*; Heraty, 2002: 75-78. Subsequent description.

KEYS: Heraty 2002: 78-79.

**Ancylotropus carniscutis Cameron**

*Ancylotropus carniscutis* Cameron, 1909c: 229-230. Type data: Malaysia: Sarawak, Kuching. Syntypes, male (examined). Type depository: London: Natural History Museum, England. Described: male.

CITATIONS: Heraty2002 [range, catalog].

DISTRIBUTION: **Oriental**: Indonesia (Kalimantan (=Borneo) [Heraty2002], Sumatra [Heraty2002]); Malaysia (Malaya [Heraty2002], Sarawak [Cameron1909c]); Philippines (Luzon [Heraty2002], Mindoro [Heraty2002], Palawan [Heraty2002]); Thailand [Heraty2002].

**Ancylotropus ivondroi (Risbec) new combination**

*Schizaspidia ivondroi* Risbec, 1952: 400-401. Type data: Madagascar: Ivondro. Lectotype male (examined), by **present designation**. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: male.

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

**Ancylotropus keralensis Girish Kumar & Narendran**

*Ancylotropus keralensis* Girish Kumar & Narendran, 2008b: 92-94. Type data: India: Kerala, Wayanad Dt. Holotype male, by original designation. Type depository: Calcutta: National Zoological Collection, Zoological Survey of India, India; type no. 9991/H3. Described: male. Illust.

DISTRIBUTION: **Oriental**: India (Kerala [GirishNa2008b]).

**Ancylotropus manipurensis (Clausen)**

*Schizaspidia manipurensis* Clausen, 1928: 80-86. Type data: India: Manipur. Unknown type status. Type depositories: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA, and London: Natural History Museum, England; type no. 40923. Described: both sexes. Notes: Male type in BMNH.

*Stilbula manipurensis*; Gahan, 1940: 436. Described: both sexes. Change of combination.

*Ancylotropus manipurensis*; Bouček, 1988: 534. Change of combination.

CITATIONS: Clause1928 [Behavior, description-Immatures, Life History]; Heraty2002 [Life History, catalog].

DISTRIBUTION: **Oriental**: India.

#### **Ancylotropus montanus (Girault) new combination**

*Parapsilogaster montanus* Girault, 1928[425]: 451. Type data: Philippines: Luzon, Mount Maquiling, Laguna. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. 24246. Described: female.

*Parapsilogaster striatus* Girault, 1928[425]: 451. Type data: Philippines: Luzon, Los Baños, Laguna. Holotype male, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. 24244. Described: male. Synonymy by Baltazar, 1966b: 131. Notes: Mistakenly identified as female in original description (Baltazar 1966b). Unnecessary synonymy by Hedqvist 1978: 243. [TN II-45]

*Epimetegea montana*; Hedqvist, 1978: 243. Change of combination.

*Chalcura montana*; Bouček, 1988: 528. Change of combination.

*Parapsilogastrus heratyi* Narendran, 1999: 451-452. Type data: Thailand, Satum, Thale. Ban NP.

Holotype male (examined), by original designation. Type depository: Vienna: Naturhistorisches Museum Wien, Austria; type no. N.43. Described: male. Illust. **New synonymy.**

CITATIONS: Clause1940a [description-Immatures, illustration-immature]; Heraty2002 [Life History, catalog]; Ishii1932 [description-Immatures, description-Adult].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak [new]); Philippines (Leyte [Heraty2002], Luzon [Girault1928425], Mindanao [Heraty2002], Negros [Heraty2002]); Thailand [Narend1999]; Vietnam [Heraty2002].

#### **Ancylotropus seyrigi (Risbec) new combination**

*Schizaspidia seyrigi* Risbec, 1952: 394. Type data: Madagascar. Unknown type status.

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

#### **Apometagea Heraty**

*Apometagea* Heraty, 2002: 83-84. Type species: *Apometagea masneri* Heraty, by original designation.

#### **Apometagea masneri Heraty**

*Apometagea masneri* Heraty, 2002: 84-85. Type data: Australia: New South Wales, Stanthorpe. Holotype male (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: male. Illust.

DISTRIBUTION: **Australasian**: Australia (New South Wales [Heraty2002]).

#### **Athairocharis Heraty**

*Athairocharis* Heraty, 2002: 85-87. Type species: *Athairocharis vannoorti* Heraty, by original designation.

#### **Athairocharis laurencei Heraty**

*Athairocharis laurencei* Heraty, 2002. Type data: South Africa: Western Cape Prov., Uniondale. Holotype female (examined), by original designation. Type depository: SAMC. Described: both sexes. Illust.

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

#### **Athairocharis vannoorti Heraty**

*Athairocharis vannoorti* Heraty, 2002: 88-89. Type data: South Africa: Western Cape Prov., Constantiaberg. Holotype female (examined), by original designation. Type depository: SAMC.

Described: both sexes. Illust.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Anaplolepis* sp. [Heraty2002].

CITATIONS: Heraty2002 [description-Immatures, Life History].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

#### **Austeucharis Bouček**

*Austeucharis* Bouček, 1988: 525. Type species: *Psilogaster pallipes* Brullé, by original designation.

*Austeucharis*; Heraty, 2002: 90-92. Subsequent description.

CITATIONS: Ashmea188845 [nomenclature].

**Austeucharis boudiennyi (Girault)**

*Epimetegea boudiennyi* Girault, 1940[459]: 325. Type data: Australia: New South Wales, Tweed Head (Upper Tweed River). Lectotype female, by subsequent designation Bouček, 1988: 525. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female. Notes: Other record from Victoria.

*Epimetegea boudiennyi*; Dahms, 1983: 146.

*Austeucharis boudiennyi*; Bouček, 1988: 525. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1940459]).

**Austeucharis fasciventris (Brues)**

*Psilogaster fasciventris* Brues, 1919: 14-15. Type data: Australia: New South Wales, Hornsby. Syntypes. Type depository: Cambridge: Museum of Comparative Zoology, Entomology Department, Harvard University, MA, USA. Described: both sexes. Illust.

*Epimetegea fasciventris*; Hedqvist, 1978: 243. Change of combination.

*Austeucharis fasciventris*; Bouček, 1988: 525. Change of combination.

CITATIONS: Bouček1988 [description-Immatures, host record]; Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Brues1919]).

**Austeucharis flavifemora (Girault)**

*Epimetegea flavifemora* Girault, 1929[431]: 334. Type data: Australia: New South Wales, Camden and also Monaro. Holotype female (examined), by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female.

*Epimetegea flavifemora*; Dahms, 1984: 604.

*Austeucharis flavifemora*; Bouček, 1988: 526. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1929431]).

**Austeucharis ilyichi (Girault)**

*Epimetegea ilyichi* Girault, 1936[447]: 3[324]. Type data: Australia: Tasmania, Hobart. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9132. Described: female.

*Epimetegea ilyichi*; Hedqvist, 1978: 243. Misspelling of species name.

*Epimetegea ilyichi*; Dahms, 1984: 708.

*Austeucharis ilyichi*; Bouček, 1988: 526. Change of combination. Notes: Apparently close to *flavifemora*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Tasmania [Giraul1936447]).

**Austeucharis implexa (Walker)**

*Eucharis implexa* Walker, 1862: 377-378. Type data: Australia: Tasmania. Lectotype female (examined), by subsequent designation Bouček, 1988: 526. Type depository: London: Natural History Museum, England; type no. 5.613. Described: female.

*Stilbula implexa*; Walker, 1871: 66. Change of combination.

*Austeucharis implexa*; Bouček, 1988: 526. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Heraty2002], South Australia [Heraty2002], Tasmania [Walker1862], Victoria [Heraty2002]).

**Austeucharis kosciuskoi (Girault)**

*Epimetegea kosciuskoi* Girault, 1940[459]: 325. Type data: Australia: New South Wales, Mount Kosciusko. Syntypes. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes.

*Epimetegea kosciuskoi*; Dahms, 1984: 740. Subsequent description.

*Austeucharis kosciuskoi*; Bouček, 1988: 526. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian:** Australia (New South Wales [Girault1940459]).

#### **Austeucharis larymna (Walker)**

*Eucharis larymna* Walker, 1846: 21, 86-87(descr.). Type data: Australia. Lectotype male, by subsequent designation Bouček, 1988: 526. Type depository: London: Natural History Museum, England; type no. 5.3067. Notes: Refers to one specimen [Australia] but described male and female.

*Stilbula larymna*; Walker, 1871: 66. Change of combination.

*Austeucharis larymna*; Bouček, 1988: 526. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian:** Australia [Walker1846].

#### **Austeucharis myrmeciae (Forel)**

*Eucharis myrmeciae* Forel, 1890: ix. Type data: Australia: South Australia, Bull Creek. Lectotype male (examined), by subsequent designation Bouček, 1988: 526. Type depository: London: Natural History Museum, England; type no. 5.368. Notes: Unintentional description, type material based on Cameron's designation.

*Eucharis myrmeciae*; Cameron, 1891: 187, pl.1. Described: both sexes. Misspelling of species name.

*Austeucharis myrmeciae*; Bouček, 1988: 526. Change of combination.

CITATIONS: Forel1890 [host record]; Heraty2002 [catalog]; Janet1897 [Life History].

DISTRIBUTION: **Australasian:** Australia (South Australia [Cameron1891]).

#### **Austeucharis pallipes (Brulle)**

*Psilogaster pallipes* Brulle, 1846: 375, pl. 39. Type data: Australia: Tasmania. Lectotype female (examined), by subsequent designation Bouček, 1988: 526. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Illust. Notes: Two illustrations were provided in Brulle for specimens both apparently collected in Australia. Bouček designated a female as lectotype and this is an *Austeucharis*. This specimen bears the label "Museum Paris Tasmania coll O. Sichel 1867". A male specimen from the Paris Museum has the label "Psilogaster pallipes Blanchard Brulle Hy.[?] Hym IV 574 pl 89 6 [males] 2 [females]." This specimen is a species of *Psilogastrellus*. Under this same label is the locality "Egypt" suggesting that this may be from the same series as *Psilogastrellus cupreus* Blanchard.

*Psilogaster pallidipes* Dalla Torre, 1898: 362. Unjustified emendation; discovered by Bouček, 1988: 526.

*Austeucharis pallipes*; Bouček, 1988: 526. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian:** Australia (Tasmania [Brulle1846]).

#### **Austeucharis piceicornis (Walker)**

*Eucharis piceicornis* Walker, 1862: 376-377. Type data: Australia: New South Wales, Sydney. Lectotype male, by subsequent designation Bouček, 1988: 526. Type depository: London: Natural History Museum, England; type no. 5.611. Described: male. Notes: Single male, without gaster.

*Stilbula piceicornis*; Walker, 1871: 66. Change of combination.

*Austeucharis piceicornis*; Bouček, 1988: 526. Change of combination. Notes: Very close to *pallipes*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian:** Australia (New South Wales [Walker1862]).

#### **Austeucharis pulchra (Girault)**

*Psilogaster pulcher*(!) Girault, 1913[175]: 93. Type data: Australia: Tasmania, Mount Wellington. Holotype male, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia; type no. I.1281. Described: male.

*Psilogaster pulcher*; Girault, 1915[241]: 232. Described: male. Subsequent description. Notes: Description repeated.

*Epimetagea pulcher*; Girault, 1929[431]: 333. Described: female. Change of combination.

*Psilogaster pulcher*; Dahms, 1986: 431.

*Austeucharis pulchra*; Bouček, 1988: 526. Change of combination. Notes: Emendation of specific epithet.

DISTRIBUTION: **Australasian**: Australia (Tasmania [Giraul1913175]).

**Austeucharis rufiventris (Ashmead)**

*Metagea rufiventris* Ashmead, 1900[178]: 338. Type data: Australia. Unknown type status female, type designation unknown. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 4887. Described: female.

*Metagea rufiventris*; Girault, 1915[241]: 225. Described: female. Subsequent description. Notes: Repeat of Ashmead description.

*Austeucharis rufiventris*; Bouček, 1988: 526. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia [Ashmea1900178].

**Austeucharis smaragdina (Walker)**

*Eucharis smaragdina* Walker, 1862: 376. Type data: Australia: Tasmania. Lectotype male, by subsequent designation Bouček, 1988: 526. Type depository: London: Natural History Museum, England; type no. 5.610. Described: male.

*Stilbula smaragdina*; Walker, 1871: 66. Change of combination.

*Austeucharis smaragdina*; Bouček, 1988: 526. Change of combination. Notes: Probably same as *pallipes*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Walker1862]).

**Austeucharis toga (Girault) new combination**

*Stilbula toga* Girault, 1937[448]: 1[326]. Type data: Australia: Victoria, Ringwood. Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.10014. Described: female.

*Stilbula toga*; Dahms, 1986: 590.

*Stilbula toga*; Bouček, 1988: 532.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [description-adults].

DISTRIBUTION: **Australasian**: Australia (Victoria [Giraul1937448]).

**Babcockiella Heraty**

*Babcockiella* Heraty, 2002: 95-96. Type species: *Babcockiella emaciata* Heraty, by original designation.

KEYS: Heraty 2002: 96-97.

**Babcockiella carinata Heraty**

*Babcockiella carinata* Heraty, 2002: 97-98. Type data: Kenya, Naro Moru. Holotype male (examined), by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: male. Illust.

DISTRIBUTION: **Afrotropical**: Kenya [Heraty2002].

**Babcockiella emaciata Heraty**

*Babcockiella emaciata* Heraty, 2002: 98-99. Type data: South Africa: Eastern transvaal, Strydom Tunnel. Holotype female (examined), by original designation. Type depository: Pretoria: South African National Collection of Insects, South Africa. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

**Babcockiella setifera Heraty**

*Babcockiella setifera* Heraty, 2002: 99. Type data: Democratic Republic of Congo: P.N.U., Kankunda. Holotype female (examined), by original designation. Type depository: Tervuren: Musee Royal de l'Afrique Centrale, Section d'Entomologie, Belgium. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: Congo [Heraty2002].

**Babcockiella smicra Heraty**

*Babcockiella smicra* Heraty, 2002: 100. Type data: Zimbabwe: Matopo Hills. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: Zimbabwe [Heraty2002].

#### **Carletonia Heraty**

*Carletonia* Heraty, 2002: 100-102. Type species: *Carletonia panamensis* Heraty, by original designation.

#### **Carletonia panamensis Heraty**

*Carletonia panamensis* Heraty, 2002: 102-103. Type data: Panama: Chiriqui Prov., 2 km W Cerro Punta. Holotype male (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: male. Illust.

DISTRIBUTION: **Neotropical**: Panama [Heraty2002].

#### **Chalcura Kirby**

*Chalcura* Kirby, 1886: 30. Type species: *Eucharis deprivata* Walker, by original designation.

*Rhipipallus* Kirby, 1886: 31. Type species: *Eucharis volosus* Walker, by original designation. Synonymy by Baltazar, 1961: 394.

*Chalcura*; Ashmead, 1888[45]: 187 (in key).

*Rhipipallus*; Ashmead, 1888[45]: 187 (in key).

*Chalcura*; Ashmead, 1904[238]: 269 (key).

*Rhipipallus*; Ashmead, 1904[238]: 268 (key).

*Epimetagea* Girault, 1913[148]: 225. Type species: *Epimetagea purpurea* Girault (= *Rhipipallus affinis* Bingham), by original designation. Synonymy by Bouček, 1988: 527.

*Chalcurelloides* Girault, 1913[156]: 46. Type species: *Chalcurelloides hyalinus* Girault, by original designation. Synonymy by Bouček, 1988: 527.

*Chalcuroidella* Girault, 1913[159]: 100. Type species: *Chalcuroidella orientalis* Girault, by original designation. Synonymy by Bouček, 1988: 527.

*Astilbula* Girault, 1913[175]: 96. Type species: *Astilbula magnifica* Girault, by original designation. Synonymy by Bouček, 1988: 527.

*Chalcurella* Girault, 1913[175]: 94. Type species: *Chalcurella nigrocyanea* Girault, by original designation. Synonymy by Bouček, 1988: 527.

*Chalcuroides* Girault, 1913[175]: 115. Type species: *Chalcuroides versicolor* Girault, by original designation. Synonymy by Bouček, 1988: 527.

*Arhipipallus* Girault, 1936[447]: 2 [324]. Type species: *Rhipipallus turneri* Kirby, by monotypy. Synonymy by Bouček, 1988: 527.

*Parachalcura* Girault, 1940[459]: 324. Type species: *Parachalcura ramosa* Girault, by monotypy. Synonymy by Bouček, 1988: 527.

*Epimetagea*; Hedqvist, 1978: 242. Subsequent description. Notes: Short diagnosis and new synonymies which include *Propsilogastrus* and *Parapsilogastrus*; included species treated under various genera by Bouček (1988).

*Rhipipallus*; Hedqvist, 1978: 243-244. Subsequent description. Notes: Short diagnosis and new synonymies which included *Chalcurella*, *Chalcurelloides*, *Chalcuroidella*, *Chalcuroides*, *Arhipipallus*, *Parachalcura* and *Rhipipalloidea*.

*Chalcura*; Heraty, 2002: 103-106. Subsequent description.

CITATIONS: Ashmead188845 [catalog]; Ashmead1899157 [catalog; and as *Rhipipallus*]; Ashmead1904238 [catalog]; Darlin1988 [anatomy].

KEYS: Hedqvist 1978: 242 [Australasian].

#### **Chalcura aeginitus (Walker)**

*Eucharis aeginitus* Walker, 1846: 86. Type data: Philippines. Unknown type status. Type depository: London: Natural History Museum, England; type no. 5.622. Described: male. Illust.

*Chalcura glabra* Girault, 1928[425]: 451-452. Type data: Philippines: Luzon, Mount Maquiling. Holotype female (examined), by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. 24247. Described: female. Synonymy by Baltazar, 1966b: 130. Notes: Bouček (1988:528) examined the type of "*glabra*" and thought it should be placed with *Ancylotropus* (= *Chalcura*) *montanus*. I agree with the synonymy by Baltazar.

*Chalcura aeginata*; Hedqvist, 1978: 240-241. Described: both sexes. Illust. Misspelling of species name.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Philippines (Luzon [Giraul1928425], Mindoro [Heraty2002]).

KEYS: Hedqvist 1978: 242.

### **Chalcura aeneobrunnea (Girault)**

*Epimetegea aeneobrunnea* Girault, 1929[431]: 334-335. Type data: Australia: West Australia, King George's Sound. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female.

*Epimetegea aeneobrunnea*; Dahms, 1983: 16.

*Chalcura aeneobrunnea*; Bouček, 1988: 528. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Western Australia [Giraul1929431]).

### **Chalcura affinis (Bingham)**

*Rhipipallus affinis* Bingham, 1906: 129-130. Type data: Australia: Queensland, Townsville. Lectotype female, by subsequent designation Bouček, 1988: 528. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 47. Described: both sexes.

*Epimetegea purpurea* Girault, 1913[148]: 227. Type data: Australia: Queensland, Townsville. Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female.

Synonymy by Bouček, 1988: 528. Notes: Syntypes supplied by Dodd, probably from same lot of syntypes as *affinis*.

*Chalcuroides versicolor* Girault, 1913[175]: 115. Type data: Australia: Queensland, Townsville. Holotype male, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: male. Synonymy by Bouček, 1988: 236. Notes: Body of type missing, synonymy based on identification of syntype of *affinis* from BMNH by Girault as *versicolor*.

*Epimetegea purpurea*; Girault, 1915[241]: 226-227. Described: female. Subsequent description. Notes: Repeated description of *purpurea*.

*Rhipipallus affinis*; Girault, 1915[241]: 234-235. Described: both sexes. Subsequent description. Notes: Bingham's description repeated.

*Chalcuroides versicolor*; Girault, 1915[241]: 236. Described: male. Subsequent description. Notes: Description repeated.

*Rhipipallus versicolor*; Hedqvist, 1978: 245. Change of combination.

*Epimetegea purpurea*; Dahms, 1986: 446.

*Chalcuroides versicolor*; Dahms, 1986: 630.

*Chalcura affinis*; Bouček, 1988: 528. Change of combination.

ASSOCIATIONS: Hosts - FORMICIDAE **Formicidae**: sp. Ant pupae [Giraul1915241]. **Myrmeciinae**: *Myrmecia* [?]? [Bouček1988]. **Ponerinae**: *Odontomachus ruficeps coriarius* Mayr [Bingha1906].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Bingha1906, Heraty2002]).

### **Chalcura bicoloriventris (Girault)**

*Epimetegea bicoloriventris* Girault, 1915[241]: 228. Type data: Australia: Queensland, Bribie Island. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.3285. Described: female.

*Epimetegea bicoloriventris*; Dahms, 1983: 133.

*Chalcura bicoloriventris*; Bouček, 1988: 528. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915241]).

### **Chalcura bispinosa (Girault)**

*Chalcuroidella bispinosa* Girault, 1929[431]: 335. Type data: Australia: South Australia, Mount Lofty. Holotype male, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: male. Notes: Probably conspecific with *turneri* (Bouček, 1988).

*Rhipipallus bispinosus*; Hedqvist, 1978: 528. Change of combination.

*Chalcuroidella bispinosa*; Dahms, 1983: 143.

*Chalcura bispinosa*; Bouček, 1988: 528. Change of combination.



CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (South Australia [Giraul1929431]).

### **Chalcura brunneipolita (Girault)**

*Epimetegea brunneipolita* Girault, 1934[442]: 1[306]. Type data: Australia: Queensland, Brisbane. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.8697. Described: female.

*Epimetegea brunneipolita*; Dahms, 1983: 154.

*Chalcura brunneipolita*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1934442]).

### **Chalcura bunyae (Girault)**

*Epimetegea bunyae* Girault, 1934[442]: 1[306]. Type data: Australia: Queensland, Bunya Mountains.

Syntypes, unknown. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Notes: Very close to *affinis* (Bouček, 1988).

*Chalcura bunyae*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia [Giraul1934442].

### **Chalcura cameroni (Kirby)**

*Rhipipallus cameroni* Kirby, 1886: 37, pl.1, fig.6. Type data: Australia(?) or Celebes(?). Unknown type status. Notes: Type lost, recognized from figure by Bouček (1988).

*Chalcura cameroni*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia [Kirby1886].

### **Chalcura deprivata (Walker)**

*Eucharis deprivata* Walker, 1860: 359. Type data: Ceylon. Unknown type status male (examined), type designation unknown. Type depository: London: Natural History Museum, England; type no. 5.623.

*Chalcura deprivata*; Kirby, 1886: 30. Change of combination.

*Chalcura deprivata*; Gahan, 1940: 431.

ASSOCIATIONS: Foe - HYMENOPTERA **Sphécidae**: *Cerceris conifera* [Krombe1981]. Host -

FORMICIDAE **Ponerinae**: *Odontomachus haematodes* (Linnaeus) [Gahan1940, Clause1941].

CITATIONS: Clause1940b [host record, Life history]; Clause1941 [host record]; Heraty2002 [catalog]; Krombe1981 [Life History]; Narend1986 [catalog].

DISTRIBUTION: **Oriental**: India (Kerala [Heraty2002]); Sri Lanka [Krombe1981, Heraty2002].

KEYS: Hedqvist 1978: 242.

### **Chalcura elongata (Girault)**

*Epimetegea bunyae elongata* Girault, 1940[459]: 324. Type data: Australia: Queensland, [Lamington]

National Park. Unknown type status female, type designation unknown. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Notes: Probably different from *bunyae* (Bouček, 1988).

*Epimetegea bunyae elongata*; Dahms, 1983: 157.

*Chalcura elongata*; Bouček, 1988: 529. Change of combination.

*Epimetegea bunnyae elongata*; Bouček, 1988: 529. Misspelling of species name.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1940459]).

### **Chalcura hemiglabra (Girault)**

*Epimetegea hemiglabra(!)* Girault, 1940[459]: 325. Type data: Australia: New South Wales, Yass.

Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female.

*Epimetegea hemiglabra*; Dahms, 1984: 685.

*Chalcura hemiglabra*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1940459]).

#### **Chalcura hyalina (Girault)**

*Chalcurelloides hyalinus* Girault, 1913[156]: 46-47. Type data: Australia: Queensland, Gordonvale (Nelson). Holotype male, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1495. Described: male. Notes: Near to *turneri* (Bouček, 1988).

*Chalcurelloides hyalinus*; Girault, 1915[241]: 237. Described: male. Subsequent description. Notes: Description repeated.

*Rhipipallus hyalinus*; Hedqvist, 1978: 244. Change of combination.

*Chalcurelloides hyalinus*; Dahms, 1984: 704.

*Chalcura hyalina*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913156]).

#### **Chalcura maculata (Watanabe)**

*Parachalcura maculata* Watanabe, 1958: 33. Type data: Marshal Islands: Cardine Island. Holotype male, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. E4016. Illust.

*Rhipipallus maculatus*; Hedqvist, 1978: 244. Change of combination.

*Chalcura maculata*; Heraty, 2000. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Marshall Islands [Watana1958, Heraty2002].

#### **Chalcura magnifica (Girault)**

*Astilbula magnifica* Girault, 1913[175]: 96-97. Type data: Australia: New South Wales. Holotype female (examined), by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia; type no. I.1287. Described: female.

*Epimetegea magnifica*; Girault, 1915[241]: 227. Described: female. Change of combination.

*Epimetegea magnifica*; Girault, 1929[431]: 334. Described: female. Subsequent description. Notes: Additional specimen (South Australia, Mount Lofty).

*Epimetegea magnifica*; Hedqvist, 1978: 243.

*Astilbula magnifica*; Dahms, 1984: 785.

*Chalcura magnifica*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (South Australia).

#### **Chalcura maximovichi (Girault)**

*Epimetegea maximovichi* Girault, 1936[447]: 3[324]. Type data: Australia: New South Wales. Holotype female, type designation unknown. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Notes: Probably same as *nigricyanea* (Bouček, 1988). [Check type designation in Bouček]

*Epimetegea maximovichi*; Dahms, 1984: 799-800.

*Chalcura maximovichi*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1936447]).

#### **Chalcura monilicornis (Girault)**

*Epimetegea monilicornis* Girault, 1940[459]: 325. Type data: Australia: South Australia. Syntypes, female (examined). Type depository: Adelaide: South Australian Museum, South Australia, Australia.

Described: female. Notes: Close to *affinis* or a *Parapsilogastrus* (Bouček, 1988).

*Epimetegea monilicornis*; Dahms, 1984: 830.

*Chalcura monilicornis*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (South Australia [Giraul1940459]).

**Chalcura nigricyanea (Girault)**

*Chalcurella nigricyanea* Girault, 1913[175]: 94. Type data: Australia: Tasmania. Holotype male, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia; type no. I.1282. Described: male.

*Chalcurella nigricyanea*; Girault, 1915[241]: 231. Described: male. Subsequent description. Notes: Description repeated.

*Rhipipallus nigrocyaneus*; Hedqvist, 1978: 244. Change of combination.

*Chalcurella nigricyanea*; Dahms, 1986: 336.

*Chalcura nigricyanea*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Tasmania [Giraul1913175, Heraty2002]).

**Chalcura orientalis (Girault)**

*Chalcuroidella orientalis* Girault, 1913[159]: 100-101. Type data: Australia: Queensland, Gordonvale.

Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: male.

*Chalcuroidella orientalis*; Girault, 1915[241]: 236. Described: male. Subsequent description. Notes: Description repeated.

*Rhipipallus orientalis*; Hedqvist, 1978: 244. Change of combination.

*Chalcuroidella orientalis*; Dahms, 1986: 371.

*Chalcura orientalis*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913159]).

**Chalcura partiglabra (Girault)**

*Psilogaster partiglabra* Girault, 1926[399]: 131. Type data: Australia: Queensland, Brisbane. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9424. Described: female.

*Psilogaster partiglabra*; Dahms, 1986: 384.

*Chalcura partiglabra*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1926399]).

**Chalcura peterseni (Hedqvist)**

*Rhipipallus peterseni* Hedqvist, 1978: 244. Type data: Papua New Guinea: Bismarck Is., New Britain, Yalom. Holotype female, by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: both sexes. Illust.

*Chalcura peterseni*; Bouček, 1988: 529. Change of combination. Notes: Close to or same as *cameroni*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Papua New Guinea.

**Chalcura polita (Girault)**

*Epimetagea polita* Girault, 1915[241]: 228. Type data: Australia: Queensland, Brisbane. Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female.

*Epimetagea polita varia* Girault, 1940[459]: 324. Type data: Australia: Queensland, Indooroopilly.

Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9473.

Described: female. Synonymy by Bouček, 1988: 529. Notes: Probably [!] same as *polita* (Bouček, 1988).

*Epimetagea polita*; Dahms, 1986: 421.

*Epimetagea polita varia*; Dahms, 1986: 422.

*Chalcura polita*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915241]).

**Chalcura purpura (Girault)**

*Astilbula purpura* Girault, 1913[175]: 97. Type data: Australia: Queensland, Cairns. Holotype male, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia; type no. I.1288. Described: male.

*Epimetegea purpureicarpus*; Girault, 1915[241]: 227. Described: female. Change of combination and replacement name. Notes: Unnecessarily renamed, thought to be homonomous with *purpurea*.

*Epimetegea purpura*; Hedqvist, 1978: 243. Change of combination.

*Chalcura purpura*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913175]).

**Chalcura ramosa (Girault)**

*Parachalcura ramosa* Girault, 1940[459]: 324. Type data: Australia: Queensland, Ayr. Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: male.

*Rhipipallus ramosus*; Hedqvist, 1978: 244. Change of combination.

*Parachalcura ramosa*; Dahms, 1986: 464.

*Chalcura ramosa*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1940459]).

**Chalcura rufiventris (Walker)**

*Eucharis rufiventris* Walker, 1862: 378. Type data: Australia. Lectotype female, by subsequent designation Bouček, 1988: 529. Type depository: London: Natural History Museum, England; type no. 5.614. Described: female.

*Chalcura rufiventris*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia [Walker1862].

**Chalcura samoana Fullaway**

*Chalcura samoana* Fullaway, 1939: 404. Type data: Samoa. Unknown type status. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Western Samoa [Fullaw1939, Heraty2002].

KEYS: Hedqvist 1978: 242.

**Chalcura sanguiventris (Girault)**

*Epimetegea sanguiventris* Girault, 1929[431]: 334. Type data: Australia: South Australia, Mt Lofty. Holotype female, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: female.

*Epimetegea sanguiventris oji* Girault, 1940[459]: 325. Type data: Australia: Northern Territory, Daly River. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Synonymy by Bouček, 1988: 529.

*Epimetegea sanguiventris*; Dahms, 1986: 502-503.

*Epimetegea sanguiventris oji*; Dahms, 1986: 503.

*Chalcura sanguiventris*; Bouček, 1988: 529. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (South Australia [Giraul1929431]).

**Chalcura turneri (Kirby)**

*Rhipipallus (?) turneri* Kirby, 1894: 47. Type data: Australia: Queensland, Mackay. Lectotype female, by subsequent designation Bouček, 1988: 530. Type depository: London: Natural History Museum, England; type no. 5.375.

*Arhipipallus turneri*; Girault, 1936[447]: 3[324]. Change of combination.

*Rhipipallus turneri*; Hedqvist, 1978: 224. Change of combination.

*Chalcura turneri*; Bouček, 1988: 530. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Kirby1894]).

#### **Chalcura upeensis Fullaway**

*Chalcura upeensis* Fullaway, 1913: 285. Type data: Caroline Is., Mariana Is. Unknown type status.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Palau.

KEYS: Hedqvist 1978: 242.

#### **Chalcura volusus (Walker)**

*Eucharis volusus*; Haliday in Walker, 1839: 9. Notes: English supplement added to original Latin description of Walker.

*Eucharis volusus* Walker, 1839: 9-10. Type data: Australia: West Australia, King George's Sound.

Lectotype male, by subsequent designation Bouček, 1988: 530. Type depository: London: Natural History Museum, England; type no. 5.621. Described: male.

*Eucharis volusus*; Walker, 1841: pl.P. Illust.

*Stilbula volusus*; Walker, 1871: 65. Change of combination.

*Eucharis volusus*; Westwood, 1874: 151, pl.28, f.13. Illust.

*Rhipipallus volusus*; Kirby, 1886: 31. Change of combination.

*Chalcura volusus*; Baltazar, 1961: 394. Described: male. Change of combination.

*Rhipipallus volusus*; Hedqvist, 1978: 245. Misspelling of species name.

*Chalcura volusus*; Bouček, 1988: 530. Change of combination.

CITATIONS: Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Australasian**: Australia (Western Australia [Walker1839]).

#### **Cherianella Narendran**

*Cherianella* Narendran, 1994: 94-95. Type species: *Cherianella narayani* Narendran, by original designation.

*Cherianella*; Heraty, 2002: 113-115. Subsequent description.

KEYS: Heraty 2002: 115-116.

#### **Cherianella longispina (Risbec) new combination**

*Sacharissa longispina* Risbec, 1951a: 379-380. Type data: Senegal: Bambey. Syntypes, male (examined). Type depository: Paris: Museum National d'Histoire naturelle, France. Described: male. Illust.

DISTRIBUTION: **Afrotropical**: Senegal [Risbec1951a].

#### **Cherianella narayani Narendran**

*Cherianella narayani* Narendran, 1994: 95-96. Type data: India: Tamil Nadu, Pambukurichi. Holotype female, by original designation. Type depository: Calcutta: National Zoological Collection, Zoological Survey of India, India. Described: female. Illust.

*Cherianella narayani*; Heraty, 2002: 116-117. Subsequent description.

CITATIONS: GirishNa2007b [illustration-adult, range, description-Adult].

DISTRIBUTION: **Oriental**: India (Kerala [GirishNa2007b], Tamil Nadu [Narend1994]); Sri Lanka [Heraty2002].

#### **Cherianella rachuella Heraty**

*Cherianella rachuella* Heraty, 2002: 117-118. Type data: Zimbabwe: Salisbury. Holotype male (examined), by original designation. Type depository: London: Natural History Museum, England. Described: male. Illust.

DISTRIBUTION: **Afrotropical**: Zimbabwe [Heraty2002].

**Cherianella rudis Heraty**

*Cherianella rudis* Heraty, 2002: 118-119. Type data: Nigeria: Zaria, Samaru. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

DISTRIBUTION: **Afrotropical**: Nigeria [Heraty2002].

**Cherianella subtilis Heraty**

*Cherianella subtilis* Heraty, 2002: 120. Type data: Gambia: Bakau. Holotype male (examined), by original designation. Type depository: London: Natural History Museum, England. Described: male. Illust.

DISTRIBUTION: **Afrotropical**: Gambia [Heraty2002].

**Cherianella viridis (Risbec) new combination**

*Sacharissa viridis* Risbec, 1951: 1128. Type data: Senegal. Holotype male (examined), by monotypy. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: male. Notes: Body mounted under 2 coverslips.

DISTRIBUTION: **Afrotropical**: Nigeria [Heraty2002]. **Afrotropical**: Senegal [Risbec1951b].

**Colocharis Heraty**

*Colocharis* Heraty, 2002: 121-123. Type species: *Colocharis elongata* Heraty, by original designation.

**Colocharis elongata Heraty**

*Colocharis elongata* Heraty, 2002: 123-124. Type data: Venezuela: Aragua, Rancho Grande N.P. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

DISTRIBUTION: **Neotropical**: Venezuela [Heraty2002].

**Colocharis hungi Torr ns**

*Colocharis hungi* Torr ns, 2012: 216-218. Type data: Misiones, Iguaz  NP, Cent. Ecol., 180 m., 25 43"S 54 25"W, 24/XII/1990-06/II/1991, S & J Peck cols., UCRC\_ENT 237378. Holotype male, by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: male. Illust.

DISTRIBUTION: **Neotropical**: Argentina (Misiones [Torren2012]).

**Colocharis napoana Heraty**

*Colocharis napoana* Heraty, 2002: 124-125. Type data: Ecuador: Napo, Res. Ethnica Waorani. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

DISTRIBUTION: **Neotropical**: Ecuador [Heraty2002].

**Cyneucharis Heraty**

*Cyneucharis* Heraty, 2002: 125-127. Type species: *Cyneucharis gladiator* Heraty, by original designation.

**Cyneucharis gladiator Heraty**

*Cyneucharis gladiator* Heraty, 2002: 127-128. Type data: Tanzania: Bukoba, Victoria. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

DISTRIBUTION: **Afrotropical**: Tanzania [Heraty2002]; Uganda [Heraty2002].

**Dicoelothorax Ashmead**

*Dicoelothorax* Ashmead, 1899[157]: 240, 242. Type species: *Dicoelothorax flavicornis* Walker.

Subsequently designated by Ashmead, 1904[238]: 470.

*Dicoelothorax*; Ashmead, 1904[238]: 264, 270, 470. Subsequent description.

*Dicoelothorax*; Heraty, 2002: 128-130. Subsequent description.

CITATIONS: Ashmea1899157 [catalog]; Ashmea1904238 [catalog]; TorrenHe2012 [description-adults].

**Dicoelothorax parviceps Cameron**

*Dicoelothorax parviceps* Cameron, 1913: 117-118. Type data: Guyana. Syntypes, female (examined).

Type depository: London: Natural History Museum, England. Described: female.

*Dicoelothorax parviceps*; Torr ns & Heraty, 2012: 35-37. Illust. Subsequent description.

CITATIONS: DeSant1973 [host record, catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [DeSant1973]; Colombia [Heraty2002, TorrenHe2012]; Guyana [Camero1913].

**Dicoelothorax platycerus Ashmead**

*Dicoelothorax platycerus* Ashmead, 1904[238]: 470-471. Type data: Brazil: Santarem. Syntypes. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

*Dicoelothorax platycerus*; Torr ns & Heraty, 2012: 37-45. Illust. Subsequent description.

ASSOCIATIONS: Associate - **Malvaceae**: *Pseudabutilon virgatum* (Cav.) [Torren2013]. Host - FORMICIDAE **Ectatomminae**: *Ectatomma brunneum* Smith [TorrenHe2012, Torren2013].

CITATIONS: DeSant1950 [host record, catalog]; Heraty2002 [catalog]; Torren2013 [Behavior].

DISTRIBUTION: **Neotropical**: Argentina [DeSant1973] (Salta [TorrenHe2012], Tucuman [TorrenHe2012]); Brazil [Ashmea1904238].

**Dilocantha Shipp**

*Dilocantha* Shipp, 1894: 188. Type species: *Thoracantha flavicornis* Walker, by original designation.

*Dilocantha*; Ashmead, 1904[238]: 268, 270 (key).

*Dilocantha*; Heraty, 1998: 74-76. Subsequent description.

*Dilocantha*; Heraty, 2002: 131-132. Subsequent description.

CITATIONS: Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera]; Darlin1988 [anatomy].

KEYS: Heraty 1998: 77 (adult).

**Dilocantha albicoma Heraty**

*Dilocantha albicoma* Heraty, 1998: 77-79. Type data: Mexico: Campeche, 4 mi E Francisco Escarcega.

Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada.

Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Guatemala [Heraty1998]; Honduras [Heraty1998]; Mexico (Campeche [Heraty1998]).

**Dilocantha bennetti Heraty**

*Dilocantha bennetti* Heraty, 1998: 79-80. Type data: Trinidad: Curepe. Holotype female (examined), by

original designation. Type depository: Cambridge: Museum of Comparative Zoology, Entomology Department, Harvard University, MA, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Trinidad and Tobago (Tobago [Heraty1998], Trinidad [Heraty1998]).

**Dilocantha flavicornis (Walker)**

*Thoracantha flavicornis* Walker, 1862: 382. Type data: Brazil: Villa Nova. Holotype female (examined), by monotypy. Type depository: London: Natural History Museum, England; type no. 5.630. Described: female.

*Schizaspidia flavicornis*; Walker, 1871: 66. Change of combination.

*Thoracantha flavicornis*; Westwood, 1874: 153. Illust. Subsequent description.

*Dilocantha flavicornis*; Shipp, 1894: 188. Change of combination.

*Dilocantha flavicornis*; Heraty, 1998: 80-83. Described: both sexes. Illust. Subsequent description.

CITATIONS: Ashmea1904238 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Walker1862] (Par  [Heraty1998], Rio Grande do Norte [Heraty1998], Rio de Janeiro [Heraty1998]).

**Dilocantha lachaudii Heraty**

*Dilocantha lachaudii* Heraty, 1998: 83-84. Type data: Mexico: Chiapas, Finca Santa Elena. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust. Notes: Paratype male (USNM) from same locality not included in the original description. An additional female (headless) is in the UCR collection.

ASSOCIATIONS: Foe - FORMICIDAE **Ponerinae**: *Ectatomma tuberculatum* (Olivier) [Heraty1998, PerezLVaLa2011, PerezLLOBe2010, PerezLLOLa2006].

CITATIONS: Heraty1998 [description-Immatures, illustration-immature]; Heraty2002 [catalog]; PerezLLOBe2010 [Behavior]; PerezLLOLa2006 [Behavior, host record].

DISTRIBUTION: **Neotropical**: Mexico (Chiapas [Heraty1998]).

**Dilocantha serrata Heraty**

*Dilocantha serrata* Heraty, 1998: 84-86. Type data: Costa Rica: Heredia, La Selva. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

DISTRIBUTION: **Neotropical**: Costa Rica [Heraty2002]; Panama [Heraty2002].

**Eucharis Latreille**

*Eucharis* Latreille, 1804: 175. Type species: *Cynips adscendens* Fabricius, by monotypy.

*Eucharis*; Latreille, 1805: 210. Subsequent description.

*Eucharis*; Fabricius, 1805: 157. Subsequent description. Notes: Probably meant to be the original description. In the Systema Piezatorum, the date at the end of the first chapter reads "Liliae, d.10.Martii 1804". Publication date more likely to be 1805 (Richards 1935; Neave 1939).

*Eucharis*; Blanchard, 1840: 256-257. Subsequent description.

*Psilogaster* Blanchard, 1840: 260. Type species: *Psilogaster cupreus* Blanchard, by monotypy. Synonymy by Ghesquière, 1946: 368. Homonym of *Psilogaster* R.L., 1817. Notes: Treated as *Eucharis* (*Eucharisca*) by Bouček (1956a), but after reevaluating the types, the nine species were placed separately under *Psilogastrellus* (Bouček 1977). Now treated as *Eucharis* (*Psilogastrellus*) (Heraty 2001).

*Eucharis*; Brullé, 1846: 571-572. Subsequent description.

*Eucharis*; Ashmead, 1888[45]: 186 (in key).

*Psilogaster*; Ashmead, 1888[45]: 187 (in key).

*Eucharis*; Ashmead, 1904[238]: 267,269 (key).

*Psilogaster*; Ashmead, 1904[238]: 267, 269 (key).

*Chalcurella* Gussakovskii, 1940: 155. Type species: *Chalcurella bedeli* Cameron, by original designation.

Synonymy by Bouček, 1956a: 257. Homonym of *Chalcurella* Girault 1913.

*Psilogastrellus* Ghesquière, 1946: 368. Notes: Replacement name for *Psilogaster* Blanchard 1840.

Synonymy and placement as a subgenus of *Eucharis* by Heraty (2001).

*Eucharis* (*Eucharis*); Bouček, 1956: 252. Change of status. Notes: By inference through establishment of *Eucharis* (*Pachyeucharis*) and *Eucharis* (*Eucharisca*) (Bouček 1956a).

*Eucharis* (*Eucharisca*) Bouček, 1956a: 257-258. Replacement name for *Chalcurella* Gussakovskii.

*Eucharis* (*Pachyeucharis*) Bouček, 1956a: 251-253. Type species: *Eucharis punctata* Forster, by original designation. Synonymy by Bouček, 1977: 124. Notes: Unnecessary new name.

*Psilogastrellus*; Bouček, 1977: 124. Subsequent description. Notes: New status based on reexamination of type material.

*Eucharis*; Heraty, 2002: 133-136. Subsequent description.

*Eucharis* (*Eucharis*); Heraty, 2002: 137. Subsequent description.

*Eucharis* (*Eucharisca*); Heraty, 2002: 142. Subsequent description.

*Eucharis* (*Psilogastrellus*); Heraty, 2002: 143-144. Revived status.

CITATIONS: Andrie1968 [nomenclature]; Ashmea188845 [nomenclature]; Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera]; PeckBoHo1964 [key to genera].

KEYS: Nikolskaya 1952: 204-210 (adult) [Palearctic]; Gussakovsky 1940: 151-155 (adult) [as subgenera *Eucharis*, which includes *Psilogastrellus*, and *Chal*; *Palaeartic region.*]; Ruschka 1924: 83 (adult) [as *Eucharis*].



**Eucharis aenea Blanchard *Nomina Dubia***

*Eucharis aenea* Blanchard, 1849: pl.113, fig 7. Type data: female (no specimen?). Described: female.

Illust. Illustrated figure appears to be *Kapala*, but may be *Schizaspidia*. Nothing in the NHMP with this determination label. In the illustration by Blanchard (1849: pl. 113, fig. 7), he labels this as *Eucharis aenea* Westwood, but there is no such species described or illustrated by Westwood. The illustration may be of *Neolirata alta* (Walker), but there is not enough information for comparison.

**Eucharis globosa Radoszkowsky**

*Eucharis globosa* Radoszkowsky, 1873: 193. Type data: Surmali [Somalia?]: Erivan. Syntypes, female, by **present designation**. Type depository: LOST?. Described: female.

*Eucharis globosa*; Schulz, 1906: 149. Subsequent description. Notes: Type lost; reprinting of description with comment that cannot be placed by description (Schulz, 1906).

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Somalia [Radosz1873].

**Eucharis sp.1**

*Chalcura sp.1* Wasmann, 1894: 168. Notes: Host record only, probably *Eucharis*.

*Eucharis sp.1* Heraty, 2000.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Formica rufa* L. [Wasman1894].

CITATIONS: Wasman1894 [host record].

DISTRIBUTION: **Afrotropical**: Europa Island [Wasman1894].

**Eucharis (Eucharis) Latreille**

*Eucharis (Eucharis)*; Bouček, 1956: 252. Change of status. Notes: By inference through establishment of *Eucharis (Pachyeucharis)* and *Eucharis (Eucharisca)* (Bouček 1956a).

*Eucharis (Eucharis)*; Heraty, 2002: 137. Subsequent description.

**Eucharis (Eucharis) adscendens (Fabricius)**

*Cynips adscendens* Fabricius, 1787: 251. Type data: Europa centr. et mer. Syntypes, female (examined).

Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark.

Described: both sexes.

*Eucharis adscendens*; Fabricius, 1805: 157. Change of combination.

*Eucharis adscendens*; Latreille, 1805: 210.

*Eucharis ascendens*; Latreille, 1807: 20-21. Misspelling of species name.

*Eucharis adscendens*; Blanchard, 1840: 257. Subsequent description.

*Eucharis kollari* Förster, 1859: 91-92. Type data: Austria. Syntypes, male (examined). Type depository:

Vienna: Naturhistorisches Museum Wien, Austria. Described: male. Synonymy by Ruschka, 1924: 84.

Notes: Types are labelled as female, but are male

*Eucharis ascendens*; Ruschka, 1924: 84. Described: both sexes. Illust. Misspelling of species name.

*Eucharis adscendens*; Andriescu, 1968: 228-229. Described: male. Illust. Subsequent description.

*Eucharis adscendens*; Bouček, 1977: 60.

ASSOCIATIONS: Hosts - FORMICIDAE **Formicinae**: *Formica rufa* L.? [Boucek1956b]. **Ponerinae**:

*Messor barbarus* Linneaus? [Fahrin1922, FahrinTö1912, Ruschk1924].

CITATIONS: Andrie1968 [Life History]; Boucek1956b [description-Immatures, illustration-immature, Life History]; Boucek1977 [host record]; Domeni1953 [Sa., la;]; Heraty2002 [catalog]; Panzer1796 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Palaeartic**: Austria [Foerst1859]; Czechoslovakia [Boucek1956b]; Romania [Andrie1968]; Yugoslavia (Bosnia Hercegovina [Boucek1977], Croatia [Boucek1977]).

KEYS: Andriescu 1968: 239-240 (adult) [Romania].

**Eucharis (Eucharis) alashanica Gussakovskii**

*Eucharis alashanica* Gussakovskii, 1940: 164. Type data: China: Northern Alashan Provice, Dyn-

Yuan'\_In. Syntypes, male. Type depository: St. Petersburg (= Leningrad) Zoological Museum,

Academy of Science, Russia. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: China [Gussak1940].

**Eucharis (Eucharis) alticola Gussakovskii**

*Eucharis alticola* Gussakovskii, 1940: 167. Type data: Tadjikista: Pamir, Roga; Kyrgystan: Ferganskij Khrebet (Fergua Mountain Range), Aslanbob. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia; cotype in Prague: National Museum (Natural History), Dept. Ent., Czech Republic. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Kyrgyzstan (=Kirgizia) [Gussak1940]; Tajikistan (=Tadzhikistan) [Gussak1940].

**Eucharis (Eucharis) atrocyanea Gussakovskii**

*Eucharis atrocyanea* Gussakovskii, 1940: 162. Type data: Uzbekistan: Yori in Zeravshau mountains east of Samarkand; west slope of Tokhta-Karacha Pass, 1500m. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Uzbekistan [Gussak1940].

**Eucharis (Eucharis) borceai Andriescu**

*Eucharis (Eucharis) borcea* Andriescu, 1968: 229-232. Type data: Romania: Basarabi Dobrogea. Holotype male, by original designation. Described: male. Illust. Notes: Holotype in authors collection.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Romania.

KEYS: Andriescu 1968: 240 (adult) [Romania].

**Eucharis (Eucharis) carnifera Gussakovskii**

*Eucharis carnifera* Gussakovskii, 1940: 163. Type data: Uzbekistan: Tashkent; Uz: Zeravshan District, Saray-Lylailik; Western Kazakstan: Inder Lake; Iran: Shaku; Armenia: Parakar. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: fossil. Illust.

*Eucharis carnifera*; Bouček, 1977: 60.

CITATIONS: Andrie1968 [range]; Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Iran [Boucek1977]; Ukraine [Boucek1977]; Uzbekistan [Gussak1940].

**Eucharis (Eucharis) casca Fernando**

*Eucharis casca* Fernando, 1957: 211. Type data: Sri Lanka [Ceylon]: near Kuda Oya (Wellawaya division). Unknown type status. Type depository: UNCA.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Sri Lanka [Fernan1957].

**Eucharis (Eucharis) cassius Fernando**

*Eucharis cassius* Fernando, 1957: 211. Type data: Sri Lanka [Ceylon]: Mundel (North Western Province. Syntypes, both sexes. Type depository: CMAS. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Sri Lanka [Fernan1957].

**Eucharis (Eucharis) cyanella Gussakovskii**

*Eucharis cyanella* Gussakovskii, 1940: 168. Type data: Turkmenistan: Iman-Baba Railway Station, S. of Menv [=Mary]. Syntypes, female. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: female.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Turkmenistan [Gussak1940].

**Eucharis (Eucharis) diaphana Gussakovskii**

*Eucharis diaphana* Gussakovskii, 1940: 151. Type data: [Turkmenistan] Ashichabad [=Ashgabat] and Russia: Stravropol Region, Zimniaya Stavka, sands at delta of Kuma River. Syntypes, female. Type

depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia.

Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Russia [Gussak1940]; Turkmenistan [Gussak1940].

**Eucharis (Eucharis) dimidiata Gussakovskii**

*Eucharis dimidiata* Gussakovskii, 1940: 162. Type data: Central Asia: Kazakhstan: Ojuleki; Tadjikstan:

Kurgan-Tyube; Tadjikstan: Stalinabad (=Bishkek). Syntypes, female. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: female.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Kazakhstan [Gussak1940]; Tajikistan (=Tadzhikistan) [Gussak1940].

**Eucharis (Eucharis) dobrogica Andriescu**

*Eucharis (Eucharis) dobrogica* Andriescu, 1968: 232-234. Type data: Romania: Camaraua Fetei (Dobrudscha). Holotype male, by original designation. Described: male. Illust. Notes: Type in Andriescu collection.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Romania [Andrie1968].

**Eucharis (Eucharis) esakii Ishii**

*Eucharis esakii* Ishii, 1938: 195. Type data: Japan: Kyushu: Sobiosan; Honshu: Tokyo, Fuchu; Chosen: Suigen. Syntypes, both sexes. Type depository: Kyushu University, Fukuoka, Japan. Described: both sexes. Illust.

*Eucharis scutellaris* Gahan, 1940: 425-427. Type data: Korea: Suigen, Chosen. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53548. Described: both sexes.

Synonymy by Watanabe, 1950: 64.

*Eucharis esakii*; Yasumatsu, 1961: 67-68. Described: male. Subsequent description.

ASSOCIATIONS: Hosts - FORMICIDAE **Formicinae**: *Formica* sp. [Gahan1940], *Formica Fusca japonica* Mots. [Clause1941].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Japan [Ishii1938].

**Eucharis (Eucharis) gussakovskii Nikolskaya**

*Eucharis gussakovskii* Nikolskaya, 1952: 207 [210 engl]. Type data: S. Europe; Russia; W. Kazakhstan.

Syntypes, female. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia; two female co-types in Prague: National Museum (Natural History), Dept. Ent., Czech Republic. Described: female.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Europa Island [Nikols1952]; Kazakhstan [Nikols1952].

**Eucharis (Eucharis) hissariensis Gussakovskii**

*Eucharis hissariensis* Gussakovskii, 1940: 162. Type data: Central Asia: Tadjikistan, Zevar (southern range of Gissar Mountains, 2000m). Holotype male, by monotypy. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: male.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Tajikistan (=Tadzhikistan) [Gussak1940].

**Eucharis (Eucharis) hyalina Gussakovskii**

*Eucharis hyalina* Gussakovskii, 1940: 160. Type data: Mongolia: River Etzin-Gol, Gobi. Syntypes, female.

Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia.

Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Mongolia [Gussak1940].

**Eucharis (Eucharis) leviceps Cameron**

*Eucharis leviceps* Cameron, 1909b: 232. Type data: Borneo. Syntypes, male. Type depository: London: Natural History Museum, England. Described: male. Notes: Types not found, may be lost. Probably not *Eucharis*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak [Camero1909b]).

**Eucharis (Eucharis) marani Bouček**

*Eucharis marani* Bouček, 1955: 329-330. Type data: Bulgaria: Petric [Balkan Peninsula]. Holotype female, by original designation. Type depository: Prague: National Museum (Natural History), Dept. Ent., Czechoslovakia; type no. 3069. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Bulgaria [Boucek1955].

**Eucharis (Eucharis) melantheus Fernando**

*Eucharis melantheus* Fernando, 1957: 210. Type data: Sri Lanka [Ceylon]: near Vakanin Tank (Eastern Province). Syntypes, female. Type depository: CNMS. Described: female. Notes: Probably not *Eucharis*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Sri Lanka [Fernan1957].

**Eucharis (Eucharis) nana Gussakovskii**

*Eucharis nana* Gussakovskii, 1940: 167. Type data: Russia: Daghestan, Buynaksk. Holotype male, by monotypy. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Russia [Gussak1940].

**Eucharis (Eucharis) parvula Gussakovskii**

*Eucharis parvula* Gussakovskii, 1940: 166. Type data: Kazakhstan: Temir District, Dzalinda; Kz: Kuzuha-Tugay. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Kazakhstan [Gussak1940].

**Eucharis (Eucharis) przhivalskii Gussakovskii**

*Eucharis przhivalskii* Gussakovskii, 1940: 163. Type data: Mongolia: Odros, Khuau-Khe River; Mo: from Kulustay Post to Dolon-nor Lake; Russia: southern Transbaikalia, Dureny, E. of Triotsavsk. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Mongolia [Gussak1940]. **Palaeartic**: Russia [Gussak1940].

**Eucharis (Eucharis) pusilla Nikolskaya**

*Eucharis pusilla* Nikolskaya, 1952: 207 [210 eng]. Type data: Tajikistan. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Tajikistan (=Tadzhikistan) [Gussak1940].

**Eucharis (Eucharis) reticulata Ruschka**

*Eucharis reticulata* Ruschka, 1924: 86. Type data: Caucasus, Hungary. Holotype female, by monotypy. Type depository: Vienna: Naturhistorisches Museum Wien, Austria. Described: female.

*Eucharis reticulata*; Erdős, 1955: 285. Described: male. Subsequent description.

CITATIONS: Heraty2002 [catalog]; Tudor1971 [distribution].

DISTRIBUTION: **Afrotropical**: Europa Island [Ruschk1924]. **Afrotropical**: Europa Island [Ruschk1924]; Hungary [Ruschk1924]; Turkey [Tudor1971].

**Eucharis (Eucharis) ruficornis Gussakovskii**

*Eucharis ruficornis* Gussakovskii, 1940: 164. Type data: Western Pamir: Darvaz [Darvazskiy?], Togmay Village, 1940m. Holotype female, by monotypy. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Pamirs [Gussak1940].

**Eucharis (Eucharis) rugulosa Gussakovskii**

*Eucharis rugulosa* Gussakovskii, 1940: 165. Type data: Russia: Sarepta and Ukraine: Crimea, Sudak. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Russia [Gussak1940]; Ukraine [Gussak1940].

**Eucharis (Eucharis) scylla Nikolskaya**

*Eucharis scylla* Nikolskaya, 1952: 205. Type data: Tajikistan. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia; male and female co-type in Prague: National Museum (Natural History), Dept. Ent., Czech Republic. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Tajikistan (=Tadzhikistan)? [Gussak1940].

**Eucharis (Eucharis) shestakovi Gussakovskii**

*Eucharis shestakovi* Gussakovskii, 1940: 160. Type data: Russia (southeastern): Sarepta. Holotype female, by monotypy. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: female.

*Eucharis (Eucharisca) shestakovi*; Andriescu, 1968: 234-238. Described: both sexes. Illust. Subsequent description.

ASSOCIATIONS: Host - FORMICIDAE **Ponerinae**: *Messor structor* Latr.? [Andrie1968].

CITATIONS: Boucek1977 [distribution]; Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Hungary [Ruschk1924, Boucek1977]; Romania [Andrie1968]; Yugoslavia (Croatia [Boucek1977]).

KEYS: Andriescu 1968: 240 (adult) [Romania].

**Eucharis (Eucharis) specularis Ruschka**

*Eucharis specularis* Ruschka, 1924: 84-85. Type data: Asia minor. Holotype male, by monotypy. Type depository: Vienna: Naturhistorisches Museum Wien, Austria. Described: male.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: asia [Gussak1940].

**Eucharis (Eucharis) turanica Gusakovskii**

*Eucharis turanica* Gusakovskii, 1940: 165. Type data: Kazakstan: Golodnaya Seppe; Kz: Syrdar'inskaya Railway Station; Uzbekistan: Kammashi Railway Station of Kitabor Kitabskiy Railroad. Syntypes, both sexes. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia; female cotype in Prague: National Museum (Natural History), Dept. Ent., Czech Republic. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Kazakhstan [Gussak1940]; Uzbekistan [Gussak1940].

**Eucharis (Eucharis) turca Nikol'skaya**

*Eucharis turca* Nikol'skaya, 1952: 204. Type data: Asia minor. Syntypes, male. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: male.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: asia [Gussak1940].

**Eucharis (Eucharisca) Bouček**

*Chalcurella* Gussakovskii, 1940: 155. Type species: *Chalcurella bedeli* Cameron, by original designation.

Synonymy by Bouček, 1956a: 257. Homonym of *Chalcurella* Girault 1913.

*Eucharis (Eucharisca)* Bouček, 1956a: 257-258. Replacement name for *Chalcurella* Gussakovskii.

*Eucharis (Eucharisca)*; Heraty, 2002: 142. Subsequent description.

**Eucharis (Eucharisca) bedeli (Cameron)**

*Chalcurella bedeli* Cameron, 1891: 188, pl.1. Type data: Algeria, Edough. Syntypes, unknown. Type depositories: London: Natural History Museum, England, and Vienna: Naturhistorisches Museum Wien, Austria; type no. 5.376. Described: both sexes. Illust.

*Eucharis bedeli*; Ruschka, 1924: 86. Change of combination.

*Eucharis (Eucharisca) bedeli*; Bouček, 1956a: 257-258. Change of combination.

ASSOCIATIONS: Hosts - FORMICIDAE **Formicinae**: *Cataglyphis bicolor* Fabr.? [Wheeler1937], *Formica rufa* L. [Bedel1895], *Myrmecocystus viaticus* Fabricius? [Cameron1891, Cameron1907].

CITATIONS: Bedel1895 [host record]; Cameron1891 [host record]; Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Algeria [Cameron1891].

**Eucharis (Eucharisca) bytinskisalzi Bouček**

*Eucharis (Eucharisca) bytinski-salzi* Bouček, 1956a: 257-259. Type data: Israel: Bat Yam. Holotype female, by original designation. Type depository: Prague: National Museum (Natural History), Dept. Ent., Czechoslovakia. Described: both sexes. Illust.

CITATIONS: GalladEdHe2013 [distribution, description-adults]; Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Egypt [GalladEdHe2013]; Israel [Bouček1956a, GalladEdHe2013].

**Eucharis (Eucharisca) hyalinipennis Hoffer & Nowicky**

*Eucharis hyalinipennis* Hoffer & Nowicky, 1954: 106. Type data: Czechoslovakia. Holotype male, by original designation. Type depository: Prague: National Museum (Natural History), Dept. Ent., Czechoslovakia. Described: male. Notes: The authors expressly state "only one male is known from the above-mentioned locality, and one [sic] female from Yugoslavia (Dalmatia)...discovered in the Vienna Museum...will be published in a later paper". Only one female from Dalmatia was found in the NHMW, but this was the *Eucharis adscendens* reported from *Messor barbaris* L. in Fahringer and Tolg (1912).

*Eucharis (Eucharisca) hyalinipennis*; Bouček, 1956a: 258. Change of combination. Notes: Possibly a synonym of *E. shestokovi* (Bouček 1977).

CITATIONS: Bouček1977 [nomenclature]; Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Czechoslovakia; Yugoslavia (Croatia [Bouček1977]).

**Eucharis (Eucharisca) intermedia Ruschka**

*Eucharis intermedia* Ruschka, 1924: 88. Type data: Tunisia: Tunis. Holotype female, by monotypy. Type depository: Vienna: Naturhistorisches Museum Wien, Austria. Described: female. Illust.

*Eucharis intermedia*; Masi, 1949: 93. Described: female. Subsequent description.

*Eucharis (Eucharisca) intermedia*; Bouček, 1956a: 259. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Israel [Masi1949, Bouček1956a]; Tunisia [Ruschka1924].

**Eucharis (Eucharisca) schmiedeknechti Ruschka**

*Eucharis schmiedeknechti* Ruschka, 1924: 88. Type data: Algeria: Oran; Tunisia: Tunis. Syntypes, both sexes, type designation unknown. Type depository: Vienna: Naturhistorisches Museum Wien, Austria. Described: both sexes. Illust.

*Eucharis (Eucharisca) schmiedeknechti*; Bouček, 1956a: 258. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Algeria [Ruschka1924]; Tunisia [Ruschka1924].

**Eucharis (Psilogastrellus) Ghesquière**

*Psilogaster* Blanchard, 1840: 260. Type species: *Psilogaster cupreus* Blanchard, by monotypy. Synonymy by Ghesquière, 1946: 368. Homonym of *Psilogaster* R.L., 1817. Notes: Treated as *Eucharis* (*Eucharisca*) by Bouček (1956a), but after reevaluating the types, the nine species were placed separately under *Psilogastrellus* (Bouček 1977). Now treated as *Eucharis* (*Psilogastrellus*) (Heraty 2001).

*Psilogaster*; Ashmead, 1888[45]: 187 (in key).

*Psilogaster*; Ashmead, 1904[238]: 267, 269 (key).

*Psilogastrellus* Ghesquière, 1946: 368. Notes: Replacement name for *Psilogaster* Blanchard 1840.

Synonymy and placement as a subgenus of *Eucharis* by Heraty (2001).

*Eucharis* (*Pachyeucharis*) Bouček, 1956a: 251-253. Type species: *Eucharis punctata* Forster, by original designation. Synonymy by Bouček, 1977: 124. Notes: Unnecessary new name.

*Psilogastrellus*; Bouček, 1977: 124. Subsequent description. Notes: New status based on reexamination of type material.

*Eucharis* (*Psilogastrellus*); Heraty, 2002: 143-144. Revived status.

CITATIONS: Ashmead1899157 [key to genera; as *Psilogaster*]; Ashmead1904238 [key to genera].

KEYS: Bouček 1956a: 256-257 [as *Eucharis* (*Pachyeucharis*); Mediterranean].

**Eucharis (Psilogastrellus) acuminata Ruschka**

*Eucharis acuminata* Ruschka, 1924: 86. Type data: Derbent, Caucasus [=Russian Federation]. Holotype male (examined), by monotypy. Type depository: Vienna: Naturhistorisches Museum Wien, Austria.

Described: male.

*Eucharis* (*Pachyeucharis*) *acuminatus*; Bouček, 1956a: 257 (in key).

*Psilogastrellus acuminata*; Bouček, 1977: 124. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Russia [Ruschka1924].

**Eucharis (Psilogastrellus) affinis Bouček new combination**

*Eucharis* (*Pachyeucharis*) *affinis* Bouček, 1956a: 255-256. Type data: Israel: Bat Yam. Holotype female, by original designation. Type depository: Prague: National Museum (Natural History), Dept. Ent., Czechoslovakia. Described: female. Illust.

*Psilogastrellus affinis*; Bouček, 1977: 124. Change of combination. Notes: By inference?

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Israel [Bouček1956a].

**Eucharis (Psilogastrellus) albipennis Bouček new combination**

*Eucharis* (*Pachyeucharis*) *albipennis* Bouček, 1956a: 254-255. Type data: Israel: Kfar Yeroham. Holotype female, by original designation. Type depository: Prague: National Museum (Natural History), Dept. Ent., Czechoslovakia. Described: female. Illust.

*Psilogastrellus albipennis*; Bouček, 1977: 124. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Israel [Bouček1956a].

**Eucharis (Psilogastrellus) anatolica Bouček new combination**

*Eucharis anatolica* Bouček, 1951: 52. Type data: [Turkey] Anatolia: Ankara-Baraj. Holotype male, by original designation. Type depository: Prague: National Museum (Natural History), Dept. Ent., Czech Republic. Described: male. Illust.

*Eucharis* (*Pachyeucharis*) *anatolica*; Bouček, 1956a: 256 (in key). Change of combination.

*Psilogastrellus anatolica*; Bouček, 1977: 124. Change of combination. Notes: By inference?

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Turkey [Bouček1951].

**Eucharis (Psilogastrellus) cuprea (Blanchard) new combination**

*Psilogaster cupreus* Blanchard, 1840: 260. Type data: Egypt. Lectotype male (examined), by subsequent designation Bouček, 1977: 124. Type depository: Paris: Muséum National d'Histoire naturelle, France. Described: male. Notes:

*Psilogastrellus cupreus*; Ghesquière, 1946: 368. Change of combination.

*Psilogastrellus cupreus*; Bouček, 1977: 124.

CITATIONS: GalladEdHe2013 [distribution, description-adults]; Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Egypt [Blanch1840, GalladEdHe2013].

**Eucharis (Psilogastrellus) fulviventris Gussakovskii new combination**

*Eucharis fulviventris* Gussakovskii, 1940: 161. Type data: Turkmenistan Station: Kaakha, and Armenia near Erevan. Transcaucasia. Syntypes, female. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia; female cotype in Prague: National Museum (Natural History), Dept. Ent., Czech Republic. Described: female.

*Psilogastrellus fulviventris*; Rzaeva, 1971: 87. Change of combination.

CITATIONS: Boucek1977 [range]; Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Armenia [Gussak1940]; Turkmenistan [Gussak1940].

**Eucharis (Psilogastrellus) microcephala Bouček new combination**

*Eucharis (Pachyeucharis) microcephala* Bouček, 1956a: 253-254. Type data: Israel: Kfar Yeroham.

Holotype female, by original designation. Type depository: Prague: National Museum (Natural History), Dept. Ent., Czechoslovakia. Described: female. Illust.

*Psilogastrellus microcephala*; Bouček, 1977: 124. Change of combination. Notes: By inference?

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Cataglyphis bicolor modus* Brullé [Boucek1956a].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Israel [Boucek1956a].

**Eucharis (Psilogastrellus) nigriventris Bouček new combination**

*Eucharis (Pachyeucharis) nigriventris* Bouček, 1956a: 256. Type data: Israel: Nahariya. Holotype female, by original designation. Type depository: Prague: National Museum (Natural History), Dept. Ent., Czechoslovakia. Described: female. Illust.

*Psilogastrellus nigriventris*; Bouček, 1956a: 256. Change of combination. Notes: By inference?

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Israel [Boucek1956a].

**Eucharis (Psilogastrellus) punctata Förster new combination**

*Eucharis punctata* Förster, 1859: 89-91. Type data: [Austria] Tyrol. Unknown type status female. Type depository: Vienna: Naturhistorisches Museum Wien, Austria. Described: female.

*Eucharis punctata*; Bouček, 1951: 52. Illust. Subsequent description.

*Eucharis (Pachyeucharis) punctata*; Bouček, 1956a: 252-252. Change of combination.

*Psilogastrellus punctatus*; Bouček, 1977: 60, 124. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Ponerinae**: *Messor Barbarus (l.) semirufus v. concolor* Sm. [Fahrin1922].

CITATIONS: Fahrin1922 [host record]; FahrinTö1912 [host record]; GalladEdHe2013 [distribution, description-adults]; Heraty2002 [catalog].

DISTRIBUTION: **Palaeartic**: Algeria [new]; Austria [Foerst1859]; Bulgaria; Egypt [GalladEdHe2013]; Tunisia [Boucek1956a]; Turkey [Boucek1951, Boucek1956a]; Yugoslavia (Croatia [Boucek1977], Macedonia [Boucek1956a, Boucek1977]).

**Eucharissa Westwood**

*Eucharissa* Westwood, 1868: 36. Type species: *Eucharissa speciosa* Westwood. Subsequently designated by Ashmead, 1904: 267.

*Eucharissa*; Ashmead, 1904[238]: 267, 269 (key).

*Eucharissa* Heraty, 2002: 146-148.

CITATIONS: Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera]; GahanFa1923 [nomenclature].

KEYS: Heraty 2002: 149.



**Eucharissa cuprifrons Westwood**

*Eucharissa cuprifrons* Westwood, 1874: 144. Type data: Africa: Caffraria. Syntypes. Type depository: UMOX. Described: female.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Westwo1874].

**Eucharissa erugata Heraty**

*Eucharissa erugata* Heraty, 2002: 149-150. Type data: South Africa. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

**Eucharissa natalica Westwood**

*Eucharissa natalica* Westwood, 1874: 37. Type data: South Africa: Natal. Holotype female (examined), by monotypy. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 655. Described: female.

*Eucharissa natalica*; Heraty, 2002: 150-151. Illust. Subsequent description.

DISTRIBUTION: **Afrotropical**: South Africa [Westwo1874].

**Eucharissa speciosa Westwood**

*Eucharissa speciosa* Westwood, 1874: 143. Type data: Africa: Cape of Good Hope. Lectotype female (examined), by **present designation**. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 654.5. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Westwo1874].

**Eucharissa stigmatica Westwood**

*Eucharissa stigmatica* Westwood, 1874: 144. Type data: South Africa?: Caffraria. Unknown type status female, type designation unknown. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Westwo1874].

**Eucharissa Westwood**

*Eucharissa* Westwood, 1868: 36. Type species: *Eucharissa speciosa* Westwood. Subsequently designated by Ashmead, 1904: 267.

*Eucharissa*; Ashmead, 1904[238]: 267, 269 (key).

*Eucharissa* Heraty, 2002: 146-148.

CITATIONS: Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera]; GahanFa1923 [nomenclature].

KEYS: Heraty 2002: 149.

**Eucharissa cuprifrons Westwood**

*Eucharissa cuprifrons* Westwood, 1874: 144. Type data: Africa: Caffraria. Syntypes. Type depository: UMOX. Described: female.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Westwo1874].

**Eucharissa erugata Heraty**

*Eucharissa erugata* Heraty, 2002: 149-150. Type data: South Africa. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

**Eucharissa natalica Westwood**

*Eucharissa natalica* Westwood, 1874: 37. Type data: South Africa: Natal. Holotype female (examined), by monotypy. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 655. Described: female.

*Eucharissa natalica*; Heraty, 2002: 150-151. Illust. Subsequent description.

DISTRIBUTION: **Afrotropical**: South Africa [Westwo1874].

**Eucharissa speciosa Westwood**

*Eucharissa speciosa* Westwood, 1874: 143. Type data: Africa: Cape of Good Hope. Lectotype female (examined), by **present designation**. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 654.5. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Westwo1874].

**Eucharissa stigmatica Westwood**

*Eucharissa stigmatica* Westwood, 1874: 144. Type data: South Africa?: Caffraria. Unknown type status female, type designation unknown. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: South Africa [Westwo1874].

**Galearia Brullé**

*Galearia* Brullé, 1846: 572, pl.38. Type species: *Galearia violacea* Brullé (= *Thoracantha latreillei*), by monotypy. Notes: Isogenotypic through synonymy with *Thoracantha latreillei* Guérin.

*Thoracantha*; Kirby, 1886: 32. Kirby mistakenly designated type species as *Thoracantha latreillei* Guérin after the type species for *Thoracantha* had already been established by the description of *Thoracantha striata* Perty, 1833. Dalla Torre, 1898: 365 followed the type designation of Kirby and also mistakenly synonymized *Scutellista* Motschulsky, 1859 (Pteromalidae: Eunotinae).

*Uromelia*; Ashmead, 1888[45]: 187 (in key).

*Thoracantha*; Ashmead, 1892[82]: 357. Notes: Restriction of included species to *T. latreillei*.

*Acrostela* Shipp, 1894: 184. Type species: *Thoracantha apta* Walker, by monotypy. Synonymy by Ashmead, 1899[157]: 238.

*Thoracantha*; Ashmead, 1904[238]: 268, 270. Subsequent description.

*Thoracantha*; Ashmead, 1904[238]: 268, 270 (key).

*Thoracantha*; Gemignani, 1933: 479-430. Subsequent description.

*Pseudokapala* Gemignani, 1947: 13. Type species: *Pseudokapala proseni* Gemignani, by original designation. **New synonymy**.

*Galearia*; Heraty, 2002: 151-154. Subsequent description.

CITATIONS: Ashmea188845 [key to genera, nomenclature]; Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera].

KEYS: Gemignani 1933: 430-431.

**Galearia bruchi (Gemignani) new combination**

*Thoracantha bruchi* Gemignani, 1933: 431-432. Type data: Argentina: Provinces Salta, Jujuy & Santa Fé (Fives Little). Holotype female, by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia". Described: female. Illust. Notes: Locality for holotype not specified.

*Thoracantha bruchi*; Gemignani, 1947: 9.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pogonomyrmex carnivora* Snts.? [Gemign1933].

CITATIONS: Darlin1988 [anatomy].

DISTRIBUTION: **Neotropical**: Argentina (Salta [Gemign1933]).

**Galearia latreillei (Guérin-Menéville)**

*Thoracantha latreillei* Guérin-Menéville, 1838: 415. Type data: Brésil [Brazil]. Unknown type status female (examined). Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Illust. Notes: Publication of text volume was 1838 and illustrations published as late as 1845 (referred to as 1829-1845 in Dalla Torre 1898).

- Thoracantha coleopteroides* Waterhouse, 1839: 196. Type data: Bahia [South America]. Unknown type status female. Described: female. Illust. Synonymy by Kirby, 1886: 32. Notes: This species has been subsequently referred to as *Thoracantha Latreillei vel coleopteroides* (Waterhouse) Westwood by Dalla Torre (1898) and Kirby (1886:32). *Vel* refers to the uncertainty of naming this species by Waterhouse in the statement "should the species be distinct...I would propose the name of *Coleopteroides*". The location of the type is unknown and was not found at Oxford. The synonymy should be verified.
- Thoracantha latreillei* Blanchard, 1840: 257. Described: female. Unjustified emendation. Notes: Misspelling of generic epithet.
- Thoracantha latreillii*; Walker, 1843: 45. Subsequent description.
- Galearia violacea* Brullé, 1846: 572, pl.38. Type data: L'Amérique méridionale [South America]. Unknown type status. Described: female. Illust. Synonymy by Kirby, 1886: 32. Notes: Isogenotypic through synonymy (Gahan & Fagan 1923)
- Thoracantha apta* Walker, 1862: 384. Type data: [Brazil] Santarem. Syntypes (examined). Type depository: London: Natural History Museum, England; type no. 5.628b. Synonymy by Ashmead, 1904[238]: 470. Notes: Probably a distinct species. Filed notes: Type notes III-10.
- Schizaspidia apta*; Walker, 1871: 66. Change of combination.
- Thoracantha apta*; Westwood, 1874: 153 pl.28. Subsequent description.
- Thoracantha latreillii*; Kirby, 1886: 32.
- Acrostela apta*; Shipp, 1894: 189. Change of combination.
- Galearia latreillei*; Gahan & Fagan, 1923: 65. Change of combination.
- Thoracantha bruchi* Gemignani, 1933: 431-432. Type data: Argentina: Provinces Salta, Jujuy & Santa Fé (Fives Little). Holotype female, by original designation. Type depository: Buenos Aires: Museo Nacional de Buenos Aires, Buenos Aires, Argentina. Described: female. Illust. Synonymy by De Santis, 1967b: 8. Notes: Locality for holotype not specified.
- Pseudokapala proseni* Gemignani, 1947: 14-15. Type data: Argentina: Sgo. del Estero, Campo Gallo. Holotype male, by original designation. Type depository: Buenos Aires: Museo Nacional de Buenos Aires, Buenos Aires, Argentina; type no. 49.569. Described: male. Illust. Synonymy by Torrén, 2013: 2. Notes: Probably male of *bruchi*.
- Thoracantha bruchi*; Gemignani, 1947: 9.
- ASSOCIATIONS: Associate - Malvaceae: *Sidia cordifolia* L. [Torren2013]. Hosts - FORMICIDAE Ectatomminae: *Ectatomma brunneum* F. Smith [Torren2013]. Myrmicinae: *Pogonomyrmex carnivora* Snts.? [Gemign1933].
- CITATIONS: Ashmead1904238 [catalog: 469]; Darlin1988 [anatomy]; Heraty2002 [catalog]; Walker1846 [catalog: 22].
- DISTRIBUTION: Neotropical: Argentina (Jujuy [Heraty2002], Salta [Gemign1933], Santiago del Estero [Gemign1947]); Bolivia [Heraty2002] [new]; Brazil [Guerin1845] (Rio de Janeiro [new]); Paraguay [new]. Oriental: Indonesia [Heraty2002]; Thailand [Heraty2002].

### Hydrorhoa Kieffer

- Hydrorhoa* Kieffer, 1904: 241. Type species: *Hydrorhoa striaticeps* Kieffer, by original designation.
- Stibulaspis* Cameron, 1907: 220. Type species: *Stibulaspis fortistriata* Cameron. Subsequently designated by Present. Synonymy by Heraty, 2002: 158.
- Stibulaspis*; Schmeideknecht, 1909: 68, 70, 75. Misspelling of genus name. Notes: Redescription of genus.
- Hydrorhoa*; Heraty, 2002: 158-161. Subsequent description.
- KEYS: Heraty 2002: 161-162.

### Hydrorhoa caffra (Westwood)

- Schizaspidia caffra* Westwood, 1874: 152. Type data: Africa: Caffraria. Holotype male (examined), by monotypy. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 677. Described: male. Illust.
- Stibulaspis fortistriata* Cameron, 1907: 221. Type data: South Africa: Natal, Estcourt. Lectotype female (examined), by subsequent designation Heraty, 2000. Type depository: SAMC. Described: female. Synonymy by Heraty, 2002: 161. Notes: Locality and type labels were obviously switched with *Stibulaspis atropurpurea* (corrected xi.1993) based on description and sex of specimen.

*Stibulaspis atropurpurea* Cameron, 1907: 221-222. Type data: South Africa: Natal, D'Urban. Lectotype male (examined), by subsequent designation Heraty, 2000. Type depository: SAMC. Described: male. Synonymy by Heraty, 2002: 162. Notes: Locality and type labels were obviously switched with *Stibulaspis fortistriata* (corrected xi.1993) based on description and sex of specimen.

*Hydrorhoa caffra*; Heraty, 2002: 162. Illust. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Kenya [Heraty2002]; South Africa [Cameron1907] [Westwo1874, Heraty2002]; Zimbabwe [Heraty2002].

#### **Hydrorhoa fianarantsoae (Risbec)**

*Psygmatocera fianarantsoae* Risbec, 1952: 407-409. Type data: Madagascar: Fianarantsoa Plateau Central. Lectotype female (examined), by **present designation**. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: both sexes.

*Schizaspidia fianarantsoae*; Baltazar, 1961: 394. Change of combination.

*Hydrorhoa fianarantsoae*; Heraty, 2002: 162. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

#### **Hydrorhoa multistriata (Risbec)**

*Schizaspidia multistriata* Risbec, 1952: 404-407. Type data: Madagascar: Antanimora. Lectotype female (examined), by **present designation**. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: both sexes. Illust.

*Hydrorhoa multistriata*; Heraty, 2002: 163. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

#### **Hydrorhoa stevensoni (Risbec) new combination**

*Schizaspidia stevensoni* Risbec, 1958: 147-149. Type data: Zimbabwe [S. Rhodesia]: Penkrigde.

Holotype female (examined), by monotypy. Type depository: SAMC. Described: female. Illust. Notes: NEW GENUS, NOT SCHIZASPIDIA. Card-mounted specimen (remounted from minutien pin) and slide mount of fore legs and one antenna.

CITATIONS: Heraty2002 [Behavior, catalog, description-Immatures].

DISTRIBUTION: **Afrotropical**: Botswana [Heraty2002]; Namibia (=Southwest Africa) [Heraty2002]; South Africa [Heraty2002]; Zimbabwe [Risbec1958].

#### **Hydrorhoa striata (Risbec)**

*Stibulaspis striata* Risbec, 1951a: 377-379. Type data: Senegal: M'Bambey. Lectotype female (examined), by **present designation**. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: male. Illust.

*Stibulaspis lougae* Risbec, 1951a: 379. Type data: Senegal: Louga. Lectotype male (examined), by **present designation**. Type depository: Paris: Museum National d'Histoire naturelle, France.

Described: male. Synonymy by Heraty, 2002: 164.

*Hydrorhoa striata*; Heraty, 2002: 164. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Namibia (=Southwest Africa) [Heraty2002]; Senegal [Risbec1951a]; South Africa [Heraty2002].

#### **Hydrorhoa striaticeps Kieffer**

*Hydrorhoa striaticeps* Kieffer, 1904: 241. Type data: Madagascar. Lectotype female (examined), by subsequent designation Bouček (unpublished), . Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Notes: Appears to be the senior name for *Stibulaspis* Cameron, 1909.

*Hydrorhoa striaticeps*; Heraty, 2002: 163-164. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Kieffe1904].

**Hydrorhoa striolata (Risbec) new combination**

*Saccharissa striolata* Risbec, 1953: 603-605. Type data: Ivory Coast. Holotype male (examined), by monotypy. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: male. Illust.

*Hydrorhoa striolata*; Heraty, 2002: 164. Illust. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Cote d'Ivoire (=Ivory Coast) [Risbec1953, Heraty2002]; Cameroon [Heraty2002]; Liberia [Heraty2002]; Uganda [Heraty2002].

**Isomerala Shipp**

*Isomerala* Shipp, 1894: 188. Type species: *Isomerala coronata* Westwood, by original designation.

*Isomeralia*; Ashmead, 1904[238]: 268,270 (key),471. Misspelling of genus name.

*Isomerala*; Heraty, 2002: 165-166. Subsequent description.

CITATIONS: Ashmead1899157 [key to genera]; Ashmead1904238 [key to genera]; Heraty2005 [description-adults].

KEYS: Heraty 2005: 139.

**Isomerala azteca Girault**

*Isomerala azteca* Girault, 1920[354]: 203-204. Type data: Mexico: Tampico. Syntypes (examined). Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 20863. Described: both sexes.

CITATIONS: Heraty2002 [catalog]; Heraty2005 [description-adults].

DISTRIBUTION: **Nearctic**: Mexico [Girault1920354, Heraty2005]. **Neotropical**: Guatemala [Heraty2005]; Honduras [Heraty2005]; Panama [Heraty2005].

**Isomerala Boučeki Heraty**

*Isomerala Boučeki* Heraty, 2005: 143-144. Type data: Trinidad, Curepe. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

DISTRIBUTION: **Neotropical**: Trinidad and Tobago (Trinidad [Heraty2005]); Venezuela [Heraty2005].

**Isomerala coronata (Westwood)**

*Thoracantha coronata* Westwood, 1874: 154. Type data: [America Meridionali]: Mexico [Bahia] and Brasil [Amazonia]. Lectotype female, by **present designation**. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 680. Described: female. Illust.

*Isomerala coronata*; Shipp, 1894: 188. Change of combination.

ASSOCIATIONS: Hosts - FORMICIDAE **Ponerinae**: *Ectatomma ruidum* [Heraty2002], *Ectatomma tuberculatum* Olivier [Wheeler1907, PerezLLoLa2011, PerezLLoBe2010, PerezLLoLa2006].

CITATIONS: Ashmead1904238 [catalog]; Heraty2002 [catalog]; Heraty2005 [description-adults]; PerezLLoBe2010 [Behavior]; PerezLLoLa2006 [Behavior, host record]; Wheeler1910 [Life History, illustration-adult].

DISTRIBUTION: **Neotropical**: Brazil [Ashmead1904238, Westwood1874] (Distrito Federal (=Brasilia) [Heraty2005], Espirito Santo [Heraty2005], Pará [Heraty2005], Pernambuco [Heraty2005], Rio de Janeiro [Heraty2005]).

**Kapala Cameron**

*Chirocerus* Brullé, 1846: 571, pl 38, fig.5. Type species: *Eucharis furcatus* Fabricius, by monotypy. Homonym; discovered by Cameron, 1884: 102.

*Chirocera* Desmarest, 1860: 161, fig. 141. Unjustified emendation. Notes: Chenu: Encyclo. hist. nat. Anelles

*Kapala* Cameron, 1884: 102-103. Replacement name.

*Kapala*; Kirby, 1886: 32. Notes: Kirby questions the identity of Brullé's drawing and suggests that it looks closer to *Thoracantha atrata* Walker than to either [?] of the Fabrician species. Indeed, the drawing appears closer to *Schizaspidia* than to what is now recognized as *Kapala*. The figure legend in Brullé (1846: pl.38) refers to *Chirocerus furcatus* Westwood not Fabricius, and may not, unfortunately, refer to the Fabrician species. The Latreille description of *Chirocerus* needs to be checked!!

*Kapala*; Ashmead, 1888[45]: 187 (in key).

*Kapala*; Ashmead, 1904[238]: 269,270 (key),472.

*Capala* Schulz, 1905: 150. Unjustified emendation.

*Holcokapala* Cameron, 1913: 117. Type species: *Holcothorax striaticeps* Cameron (= *Thoracantha inexagens* Walker), by original designation. **New synonymy.**

*Kapala*; Gemignani, 1933: 485. Subsequent description.

*Kapala*; Heraty, 1985: 84. Subsequent description.

*Kapala*; Heraty, 2002: 167-170. Subsequent description.

CITATIONS: Ashmea188845 [key to genera, nomenclature]; Ashmea1899157 [key to genera];

Ashmea1904238 [key to genera]; Berry1947 [Description-adults; description-Immatures];

BuySaCa2010 [Behavior]; DeLaMoPh2010 [Behavior, host record]; LachauCePe2012 [Behavior, host record]; LachauPe2001 [host record, Behavior]; VasqueArPe2012 [Behavior, host record].

KEYS: Heraty 1985: 86 [North America].

### ***Kapala argentina* Gemignani**

*Kapala argentina* Gemignani, 1933: 485-487. Type data: Argentina: Salta. Holotype female, by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia".

Described: female. Illust.

*Kapala argentina*; Gemignani, 1937: 164. Described: male. Illust. Subsequent description.

DISTRIBUTION: **Neotropical**: Argentina (Salta [Gemign1933]).

### ***Kapala atrata* (Walker) new combination**

*Thoracantha atrata* Walker, 1862: 383. Type data: Brasil [?? no label on specimen]. Syntypes, male. Type depository: London: Natural History Museum, England; type no. 5.635. Described: male.

*Thoracantha surgens* Walker, 1862: 384. Type data: Brazil: Villa Nova. Syntypes, male (examined). Type depository: London: Natural History Museum, England; type no. 5.632. Described: male. **New synonymy.**

*Schizaspidia atrata*; Walker, 1871: 473. Change of combination.

*Schizaspidia surgens*; Walker, 1871: 66. Change of combination.

*Lirata surgens*; Shipp, 1894: 189. Change of combination.

*Kapala atrata*; Ashmead, 1904[238]: 473. Change of combination.

CITATIONS: Ashmea1904238 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Ashmea1904238, Walker1862] [Walker1862].

### ***Kapala chacoensis* Gemignani**

*Kapala chacoensis* Gemignani, 1947: 1-2. Type data: Argentina: Chaco, Resistencia. Holotype male, by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 38.347. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Chaco [Gemign1947]).

### ***Kapala cuprea* Cameron**

*Kapala cuprea* Cameron, 1913: 116-117. Type data: Guyana. Syntypes, male. Type depository: London: Natural History Museum, England; type no. 5.390. Described: male.

ASSOCIATIONS: Host - FORMICIDAE **Ponerinae**: *Pachycondyla crassinoda* Latreille [Myers1931].

CITATIONS: Heraty2002 [catalog]; Myers1931 [host record].

DISTRIBUTION: **Neotropical**: Guyana [Cameron1913]; Trinidad and Tobago.

### ***Kapala cynipsea* (Walker)**

*Thoracantha cynipsea* Walker, 1862: 379. Type data: Brazil: Santarem. Syntypes, female. Type depository: London: Natural History Museum, England; type no. 5.636a. Described: both sexes.

*Schizaspidia cynipsea*; Walker, 1871: 66. Change of combination.

*Kapala cynipsea*; Ashmead, 1904[238]: 473. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil (Paraiba [Walker1862]).

**Kapala dicerodera (Spinola)**

*Eucharis dicerodera* Spinola, 1853: 43. Type data: Brazil: Para. Unknown type status male. Described: male.

*Kapala ? dicerodera*; Ashmead, 1904: 467. Change of combination.

*Kapala dicerodera*; Ashmead, 1904[238]: 473. Change of combination.

CITATIONS: Ashmead1904238 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil (Paraiba [Spinol1853]).

**Kapala flabellata (Fabricius) revived status**

*Eucharis flabellatus* Fabricius, 1804: 158. Type data: Brasilia?. Syntypes, male (examined). Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: male.

*Kapala furcata*; Kirby, 1886: 32. Change of status.

CITATIONS: Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Fabric1805] (Rio de Janeiro [new]).

**Kapala floridana (Ashmead)**

*Thoracantha floridana* Ashmead, 1885[29]: 95. Type data: United States: east Florida. Holotype male (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2827. Described: male. Notes: Feeding on flowers of *Ilex glaber*.

*Thoracantha floridana*; Ashmead, 1885[30]: xi-xii. Described: both sexes. Subsequent description.

*Thoracantha floridana*; Ashmead, 1888[45]: 11-12. Subsequent description.

*Kapala floridana*; Ashmead, 1892[82]: 357. Change of combination.

*Kapala floridana*; Heraty, 1985: 86-87. Described: both sexes. Illust. Subsequent description.

ASSOCIATIONS: Host - FORMICIDAE **Myrmicinae**: *Pogonomyrmex badius* Latreille? [Wheeler1907].

CITATIONS: Darlin1988 [anatomy]; Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Alabama [Heraty1985], Florida [Ashmead188845, Heraty1985], Georgia [Heraty1985], Louisiana [Heraty1985]).

**Kapala furcata (Fabricius)**

*Eucharis furcata* Fabricius, 1804: 158. Type data: Brasilia. Unknown type status female (examined). Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: female.

*Eucharis furcata*; Latreille, 1807: 21. Subsequent description.

*Eucharis furcata*; Lamarck, 1817: 160.

*Eucharis furcata*; Walker, 1839: 65. Subsequent description.

*Thoracantha furcata*; Walker, 1841: pl. P. Change of combination.

*Chirocerus furcatus*; Brullé, 1846: 571. Illust. Change of combination.

*Chirocerus furcatus*; Lucas, 1856: 752.

*Chirocera furcata*; Chenu [Desmarest], 1860: 161. Illust.

*Schizaspidia furcata*; Walker, 1871: 66. Change of combination.

*Schizaspidia furcata*; Walker, 1872: 65. Described: female. Illust. Change of combination.

*Kapala furcata* Cameron, 1884: 103, pl.5. Replacement name. Homonym.

*Kapala furcata*; Kieffer, 1904: 243-244. Subsequent description.

*Kapala furcata*; Ashmead, 1904[238]: 472. Notes: Refers to specimens in Berlin bearing MS. names: "*Thoracantha elevata* Westw., *T. spinosa* Illiger, etc."

*Kapala furcata*; Brues, 1907: 105-106. Notes: Probably not this species (from Brownsville, Texas).

ASSOCIATIONS: Associate - ASTERALES **Asteraceae**: *Mikania* sp. [Torren2013]

CITATIONS: Brethe1927 [distribution]; Heraty2002 [catalog, Behavior, illustration-adult]; Walker1846 [catalog].

DISTRIBUTION: **Nearctic**: United States of America? (Texas? [Brues1907]). **Neotropical**: Argentina [DeSant1964]; Brazil [Ashmead1904238, Brethe1927]; Costa Rica? [Camero1884]; Guatemala? [Camero1884]; Panama? [Camero1884].

**Kapala inexas (Walker)**

*Thoracantha inexas* Walker, 1862: 381. Type data: Brazil: Santarem. Syntypes. Type depository: London: Natural History Museum, England; type no. 5.637b. Described: female.

*Schizaspidia inexas*; Walker, 1871: 66. Change of combination.

*Kapala inexas*; Ashmead, 1904[238]: 472. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Ashmead1904238, Walker1862].

**Kapala iridicolor (Cameron)**

*Lirata iridicolor* Cameron, 1904: 60. Type data: Nicaragua: Chinandega. Holotype female (examined), by monotypy. Type depository: London: Natural History Museum, England; type no. 5.385. Described: female.

*Kapala iridicolor*; Heraty & Woolley, 1993: 522. Described: both sexes. Illust. Change of combination.

ASSOCIATIONS: Hosts - FORMICIDAE **Ectatomminae**: *Ectatomma ruidum* (Roger) [VasqueArPe2012].

**Ponerinae**: *Gnamptogenys regularis* Mayr [PerezLHeCa2006], *Gnamptogenys striatula* Mayr [PerezLHeCa2006], *Gnamptogenys sulcata* (Fr. Smith) [PerezLHeCa2006], *Pachycondyla stigma* (F.) [PerezLHeCa2006].

CITATIONS: Heraty2002 [catalog]; HeratyWo1993 [Tn., description-Immatures, distribution];

PerezLHeCa2006 [host record]; VasqueArPe2012 [Behavior, host record].

DISTRIBUTION: **Neotropical**: Colombia [VasqueArPe2012]; Nicaragua [Cameron1904].

**Kapala ivorensis Risbec**

*Kapala ivorensis* Risbec, 1954: 1086-1090. Type data: Ivory Coast: Adiopodoumé. Holotype female (examined), by monotypy. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Illust.

CITATIONS: Heraty2002 [catalog, Behavior]; HeratyWo1993 [distribution].

DISTRIBUTION: **Afrotropical**: Cote d'Ivoire (=Ivory Coast) [Risbec1954, Heraty2002]; Cameroon [Heraty2002]; Kenya [Heraty2002]; Madagascar [Heraty2002]; Nigeria [Heraty2002]; Sierra Leone [Walker1846]; South Africa [Heraty2002]; Uganda [Heraty2002]; Zaire [Heraty2002].

**Kapala izapa Pérez-Lachaud et al.**

*Kapala izapa* Pérez-Lachaud et al., 2006: 568-571. Type data: Mexico: Chiapas, Rosario Izapa. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

ASSOCIATIONS: Host - FORMICIDAE **Ectatommatinae**: *Ectatomma ruidum* Roger [PerezLHeCa2006, HowardPeLa2001, LachauPe2009].

CITATIONS: HowardPeLa2001 [Behavior, cut, host record]; LachauPe2009 [host record, Behavior, Biological Control]; PerezLHeCa2006 [Behavior, illustration-immature].

DISTRIBUTION: **Neotropical**: Costa Rica [PerezLHeCa2006]; Mexico (Chiapas [PerezLHeCa2006]).

**Kapala romandii (Guérin-Meneville) new combination**

*Thoracantha romandii* Guérin-Meneville, 1845: 415. Type data: Colombie [Colombia]. Unknown type status female (examined), type designation unknown. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Notes: Based on the original description, this species may belong to either *Kapala*, *Galearia* or *Thoracantha*.

*Kapala romandii*; Ashmead, 1904[238]: 473. Change of combination. Notes: Listed as *Thoracantha romandii* on p. 470.

*Thoracantha romandii*; Gemignani, 1933: 430. Notes: Unnecessary combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Colombia [Guerin1845].

**Kapala sp.**

*Kapala* sp. from scorpions Armas, 2008: 1-3. Depository: Ithaca: Cornell University Insect Collection, Department of Entomology, Cornell University, NY, USA. Described: female and larva. Illust.



CITATIONS: Armas2003 [Behavior]; Armas2008 [description-Immatures, Behavior]; ArmasDe1984 [Behavior]; ArmasMa1987 [Behavior]; ArmasMa1992 [Behavior].

DISTRIBUTION: **Neotropical**: Cuba [ArmasDe1984]; Dominican Republic [Armas2003, ArmasDe1984, ArmasMa1992, ArmasMa1987]; Saint Martin & St. Barthelemy (Saint Martin [ArmasDe1984]); Trinidad and Tobago? (Trinidad [ArmasDe1984]).

### **Kapala sp.1**

*Kapala sp.1* Berry, 1947: 77-80. Illust. Notes: Oviposition on underside of malvaceous plants in Brazil.

ASSOCIATIONS: Host - **Malvaceae** [Berry1947].

CITATIONS: Berry1947 [illustration-immature, host plant].

DISTRIBUTION: **Neotropical**: Brazil (Rio de Janeiro [Berry1947]).

### **Kapala spp.**

*Kapala*; Lachaud et al., 2012: 3. Described: female and larva.

ASSOCIATIONS: Hosts - FORMICIDAE **Ectatomminae**: *Ectatomma brunneum* Smith [LachauCePe2012], *Ectatomma tuberculatum* (Olivier) [PerezLLOLa2006]. **Ponerinae**: *Odontomachus haematodus* (L.) [LachauCePe2012], *Odontomachus hastatus* (Fabr.) [LachauCePe2012], *Odontomachus mayi* Man [LachauCePe2012], *Pachycondyla apicalis* (Latreille) [LachauCePe2012], *Pachycondyla stigma* (Fabr.) [LachauCePe2012], *Pachycondyla verenae* (Forel) [LachauCePe2012].

CITATIONS: PerezLLOLa2006 [Behavior, host record].

DISTRIBUTION: **Neotropical**: French Guiana [LachauCePe2012].

### **Kapala splendens Ashmead**

*Kapala splendens* Ashmead, 1904[238]: 473. Type data: Brazil: Chapada [specimen also in Carnegie Museum]. Syntypes. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 8084. Described: female. Illust.

CITATIONS: DeSant1971 [distribution]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina [DeSant1971]; Brazil (Maranhao [Ashmea1904238]).

### **Kapala striaticeps (Cameron) new combination**

*Holcokapala striaticeps* Cameron, 1913: 117. Type data: Guyana [from specimen]. Syntypes, female (examined). Type depository: London: Natural History Museum, England; type no. 5.391. Described: female. Notes: Probably same as *inexagens*.

DISTRIBUTION: **Neotropical**: Guyana [Cameron1913].

### **Kapala sulcifacies (Cameron)**

*Lirata fulvicornis* Cameron, 1904: 61. Type data: Nicaragua: Managua. Holotype male (examined), by monotypy. Type depository: London: Natural History Museum, England; type no. 5.386. Described: male. Synonymy by Heraty, 1993: 522.

*Lirata sulcifacies* Cameron, 1904: 61. Type data: Nicaragua: Chinandega. Holotype male, by monotypy. Type depository: London: Natural History Museum, England; type no. 5.387. Described: male.

*Lirata nigriventris* Cameron, 1904: 61-62. Type data: Nicaragua: Chinandega. Holotype female (examined), by monotypy. Type depository: London: Natural History Museum, England; type no. 5.388. Described: female. Synonymy by Heraty, 1993: 522.

*Kapala furcata*; Gahan, 1940: 431. Misidentification. Notes: probably this species.

*Kapala sulcifacies*; Heraty & Woolley, 1993: 522. Described: both sexes. Illust. Change of combination.

CITATIONS: Heraty1989 [anatomy]; Heraty2002 [catalog]; HeratyBa1990 [host record, description-Immatures, Life History]; HeratyDa1984 [description-Immatures, Behavior]; HeratyWo1993 [Tn., range, description-adults]; HeratyWo1993 [Behavior, description-adults]; HowardPeLa2001 [now placed as *Kapala izapa*].

DISTRIBUTION: **Nearctic**: Mexico [HeratyWo1993]. **Neotropical**: Colombia [HeratyWo1993]; Costa Rica [HeratyWo1993]; Ecuador [HeratyWo1993]; Nicaragua [Cameron1904].

**Kapala terminalis Ashmead**

*Kapala terminalis* Ashmead, 1892[82]: 358. Type data: Cuba. Syntypes (examined). Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: male.

*Kapala terminalis*; Gahan, 1940: 431.

ASSOCIATIONS: Host - FORMICIDAE **Ponerinae**: *Odontomachus haematodus insularis* pallens Wheeler [Clause1941].

CITATIONS: Heraty2002 [catalog]; Wolcot1948 [host plant, distribution].

DISTRIBUTION: **Neotropical**: Cuba [Ashmea189282]; Haiti [Gahan1940].

**Lasiokapala Ashmead**

*Lasiokapala* Ashmead, 1899[157]: 240, 242. Type species: *Lasiokapala serrata* Ashmead. Subsequently designated by Ashmead, 1904: 474.

*Lasiokapala*; Ashmead, 1904[238]: 473-474. Subsequent description.

*Lasiokapala*; Heraty, 2002: 175-176. Subsequent description.

CITATIONS: Ashmea1899157 [key to genera].

**Lasiokapala serrata Ashmead**

*Lasiokapala serrata* Ashmead, 1904[238]: 474. Type data: Brazil: Chapada. Syntypes. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 60514. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil (Mato Grosso [Ashmea1904238]).

**Latina Koçak & Kemal**

*Laurella* Heraty, 2002: 177-179. Type species: *Laurella guriana* Heraty, by original designation.

Homonym of *Laurella* Hull, 1973 (Diptera); discovered by Koçak & Kemal, 2008: 6.

*Latina* Koçak & Kemal, 2008: 6. Replacement name for *Laurella* Heraty, 2002.

KEYS: Torrén et al. 2007: 50-51 (adult) [as *Laurella*].

**Latina bonariensis (Gemignani)**

*Lirata bonariensis* Gemignani, 1947: 3-4. Type data: Argentina: Buenos Aires, Zelaya. Holotype female, by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 44.177. Described: both sexes. Illust.

*Liratella bonariensis*; DeSantis, 1969: 124. Change of combination.

*Latina bonariensis*; Koçak & Kemal, 2008: 6. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Buenos Aires [Gemign1947]).

**Latina guriana (Heraty)**

*Laurella guriana* Heraty, 2002: 179-180. Type data: Venezuela: Guri. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

*Latina guriana*; Koçak & Kemal, 2008: 6. Change of combination.

DISTRIBUTION: **Neotropical**: Venezuela [Heraty2002].

**Latina rugosa (Torrén et al.)**

*Laurella rugosa* Torrén et al., 2007: 46-50. Type data: Argentina: Salta, Termas de Rosario de la Frontera. Holotype female (examined), by original designation. Type depository: Buenos Aires: Museo Argentino de Ciencias Naturales, Division Entomologia, Argentina. Described: both sexes. Illust.

*Latina rugosa*; Koçak & Kemal, 2008: 6. Change of combination.

ASSOCIATIONS: Associate - SAPINDALES **Sapindaceae**: *Serjania glabrata* Kunth [Torren2013]. Host - FORMICIDAE **Ponerinae**: *Odontomachus chelififer* (Latreille) [Torren2013].

CITATIONS: TorrenHeFi2007 [illustration-immature, Behavior].

DISTRIBUTION: **Neotropical**: Argentina (Salta [TorrenHeFi2007]).

**Latina vianai (Gemignani)**

*Parakapala vianai* Gemignani, 1947: 5-6. Type data: Argentina: Chaco, Resistancia. Holotype female, by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 38.426. Described: female. Illust.

*Laurella vianai*; Heraty, 2002: 180. Illust. Change of combination.

*Latina vianai*; Koçak & Kemal, 2008. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Chaco [Gemign1947, Heraty2002]).

**Leurocharis Heraty**

*Leurocharis* Heraty, 2002: 181-183. Type species: *Leurocharis serricornis* Heraty, by original designation.

**Leurocharis serricornis Heraty**

*Leurocharis serricornis* Heraty, 2002: 183-184. Type data: Australia: West Australia, Esperance. Holotype female (examined), by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty2002], South Australia [Heraty2002], Western Australia [Heraty2002]).

**Lirata Cameron**

*Lirata* Cameron, 1884: 102. Type species: *Lirata luteogaster* Cameron, by monotypy.

*Lirata*; Ashmead, 1888[45]: 187 (in key).

*Lirata*; Ashmead, 1904[238]: 269,270 (key),471.

*Lirata*; Gemignani, 1937: 159-160. Subsequent description.

*Lirata*; Heraty, 2002: 184-186. Subsequent description.

CITATIONS: Ashmea188845 [key to genera, nomenclature]; Ashmea1899157 [key to genera];

Ashmea1904238 [key to genera].

KEYS: Heraty 2002: 186-187.

**Lirata batesella (Westwood)**

*Thoracantha batesella* Westwood, 1874: 154. Type data: Brazil: Santarem. Lectotype male (examined), by **present designation**. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 681. Described: male. Illust. Notes:

*Lirata batesella*; Ashmead, 1904[238]: 471. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Ashmea1904238, Westwo1874].

**Lirata diabla Heraty**

*Lirata diabla* Heraty, 2002: 188-189. Type data: Brazil: Chapada. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S.

National Museum of Natural History, DC, USA. Described: both sexes. Illust.

DISTRIBUTION: **Neotropical**: Brazil [Heraty2002] (Minas Gerais [Heraty2002]).

**Lirata luteogaster Cameron**

*Lirata luteogaster* Cameron, 1884: 102. Type data: Panama: Island of Taboga (Champion). Syntypes, female. Type depository: London: Natural History Museum, England; type no. 5.389. Described: female. Illust. Notes: Cameron errs in reference to figure 16 as *Schizaspidia luteogaster* and mislabeled same figure as *Schizaspidia flaviventris*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil (Amazonas [Heraty2002]); Costa Rica [Heraty2002]; Ecuador [Heraty2002]; Panama [Camero1884] [Heraty2002]; Venezuela [Heraty2002].

**Lirata pallescens (Walker)**

*Thoracantha pallescens* Walker, 1862: 380. Type data: Brazil: Villa Nova. Syntypes, female (examined).

Type depository: London: Natural History Museum, England; type no. 5.633. Described: female.

Notes: Stated in original description as male, but the antennae as described by Walker are female.

*Schizaspidia pallescens*; Walker, 1871: 66. Change of combination.  
*Lirata pallescens*; Shipp, 1894: 189. Change of combination.  
*Lirata pallescens*; Ashmead, 1904[238]: 471. Described: female. Subsequent description.  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Neotropical**: Brazil [Ashmea1904238, Walker1862].

#### **Lirata pustula Heraty**

*Lirata pustula* Heraty, 2002: 190-191. Type data: Brazil: Bahia, Fazenda Sombra das Neves. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.  
 DISTRIBUTION: **Neotropical**: Brazil (Bahia [Heraty2002], Goias [Heraty2002]).

#### **Lirata striatissima (Walker) revived status**

*Thoracantha striatissima* Walker, 1862: 380. Type data: Brazil: Villa Nova. Syntypes, unknown (examined). Type depository: London: Natural History Museum, England; type no. 5.631ab. Described: both sexes.  
*Schizaspidia striatissima*; Walker, 1871: 66. Change of combination.  
*Lirata striatissimus*; Shipp, 1894: 189. Change of combination. Notes: Wrongly places this species as type of *Lirata*.  
*Kapala striatissima*; Ashmead, 1904[238]: 473. Change of combination.  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Neotropical**: Brazil (Amazonas [Heraty2002], Paraiba [Walker1862]); Trinidad and Tobago [Heraty2002].

#### **Liratella Girault**

*Liratella* Girault, 1913[157]: 61. Type species: *Liratella nigra* Girault, by original designation.  
*Liratella*; Heraty, 2002: 191-193. Subsequent description.

#### **Liratella nigra Girault**

*Liratella nigra* Girault, 1913[157]: 61-62. Type data: Paraguay: San Bernardino. Holotype female (examined), by monotypy. Type depository: Berlin: Museum fur Naturkunde der Humboldt Universitat zu Berlin, Germany. Described: both sexes.  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Neotropical**: Paraguay [Giraul1913157].

#### **Lophyrocera Cameron**

*Lophyrocera* Cameron, 1884: 101, 103. Type species: *Lophyrocera stramineipes* Cameron. Subsequently designated by Ashmead, 1904: 268.  
*Tetramelia* Kirby, 1886: 31. Type species: *Schizaspidia plagiata* Walker, by original designation. Synonymy by Heraty, 2002: 193.  
*Lophyrocera*; Ashmead, 1888[45]: 187 (in key).  
*Tetramelia*; Ashmead, 1888[45]: 187 (in key).  
*Lophyrocera*; Ashmead, 1904[238]: 268, 269 (key).  
*Tetramelia*; Ashmead, 1904[238]: 268, 269 (key).  
*Tetramelia*; Gemignani, 1947: 9-10. Subsequent description.  
*Lophyrocera*; Heraty, 1985: 92-93. Subsequent description.  
*Lophyrocera*; Heraty, 2002: 191-193. Subsequent description.  
 CITATIONS: Ashmea188845 [key to genera, nomenclature]; Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera].

#### **Lophyrocera apicalis Ashmead**

*Lophyrocera apicalis* Ashmead, 1892[82]: 357. Type data: United States: California, Santa Cruz Mountains. Holotype female (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2141. Described: female.  
*Lophyrocera apicalis*; Heraty, 1985: 93-95. Described: both sexes. Illust. Subsequent description.

CITATIONS: Darlin1988 [anatomy]; Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Arizona [Heraty1985], California [Ashmea189282, Heraty1985], Colorado [Heraty1985], South Dakota [Heraty1985], Texas [Heraty1985], Washington [Heraty1985]).

### **Lophyrocera chilensis (Brèthes)**

*Tetramelia chilensis* Brèthes, 1916: 26-27. Type data: Chile: La Ligua, Aconcagua (C.E. Porter, leg.).

Syntypes. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Chile [Brethe1916].

### **Lophyrocera daguerrei (Gemignani)**

*Tetramelia daguerrei* Gemignani, 1947: 10-11. Type data: Argentina: Chaco, Resistencia. Holotype male, by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 39.559. Described: male. Illust. Notes: Described as female

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Chaco [Gemign1947]).

### **Lophyrocera plagiata (Walker)**

*Schizaspidia plagiata* Walker, 1862: 385. Type data: Brazil: Chapada. Unknown type status male (examined). Type depository: London: Natural History Museum, England; type no. 5.627. Described: male.

*Schizaspidia plagiata*; Westwood, 1874: 152. Illust. Subsequent description.

*Tetramelia plagiata*; Kirby, 1886: 31. Change of combination.

CITATIONS: Ashmea1904238 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Walker1862].

### **Lophyrocera pretendens (Walker) new combination**

*Schizaspidia pretendens* Walker, 1862: 385. Type data: Brazil: Villa Nova. Syntypes, male (examined).

Type depository: London: Natural History Museum, England; type no. 5.625. Described: male.

CITATIONS: Ashmea1904238 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Walker1862].

### **Lophyrocera stramineipes Cameron**

*Lophyrocera stramineipes* Cameron, 1884: 103-104, pl.V. Type data: Panama: Volcan de Chiriqui.

Syntypes, female (examined), type designation unknown. Type depository: London: Natural History Museum, England. Described: female. Illust.

CITATIONS: Camero1884anatomy; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Panama [Camero1884].

### **Lophyrocera variabilis Torrèns et al.**

*Lophyrocera variabilis* Torrèns et al., 2008: 57-61.. Type data: Argentina, Tucumán: Los Chorrillos.

Holotype female (examined), by original designation. Type depository: Buenos Aires: Museo Argentino de Ciencias Naturales, Division Entomologia, Argentina. Described: both sexes. Illust.

ASSOCIATIONS: Associate - SOLANALES **Solanaceae**: *Vassobia breviflora* (Sendtn) Hunz. Host - FORMICIDAE **Formicinae**: *Camponotus* sp. [Torren2013]

CITATIONS: TorrenHeFi2008 [Behavior, illustration-immature].

DISTRIBUTION: **Neotropical**: Argentina (Tucuman [TorrenHeFi2008]).

### **Mateucharis Bouček & Watsham**

*Mateucharis* Bouček & Watsham, 1982: 155-156. Type species: *Mateucharis glabra* Bouček & Watsham, by original designation.

*Mateucharis*; Heraty, 2002: 196-198. Subsequent description.

**Mateucharis glabra Bouček & Watsham**

*Mateucharis glabra* Bouček & Watsham, 1982: 156. Type data: Zimbabwe: Chishawasha near Harare (=Salisbury). Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Kenya [Heraty2002]; South Africa [BoučekWa1982]; Zimbabwe [BoučekWa1982] [Heraty2002].

**Mateucharis rugulosa Heraty**

*Mateucharis rugulosa* Heraty, 2002: 199. Type data: Zimbabwe: Harare, St. Ignatius. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Camponotus* sp. [Heraty2002].

DISTRIBUTION: **Afrotropical**: Tanzania [Heraty2002]; Zimbabwe [Heraty2002].

**Mateucharis watshami Heraty**

*Mateucharis watshami* Heraty, 2002: 200. Type data: Democratic Republic of Congo: Route Bikoro.

Holotype female (examined), by original designation. Type depository: Tervuren: Musee Royal de l'Afrique Centrale, Section d'Entomologie, Belgium. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: Zaire [Heraty2002].

**Mictocharis Heraty**

*Mictocharis* Heraty, 2002: 200-202. Type species: *Schizaspidia ruficollis* Risbec, by original designation.

**Mictocharis ruficollis (Risbec) new combination**

*Schizaspidia ruficollis* Risbec, 1952: 401-404. Type data: Madagascar: Bekliy. Holotype male (examined), by monotypy. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

**Mimistaka Heraty**

*Risbecia* Heraty, 2002: 231-233. Type species: *Risbecia unispina* Heraty, by original designation.

Homonym of *Risbecia* Odhner, 1934 (Nudibranchia); discovered by Heraty, 2005: 145.

*Mimistaka* Heraty, 2005: 145. Replacement name for *Risbecia* Heraty, 2002.

**Mimistaka unispina (Heraty)**

*Risbecia unispina* Heraty, 2002: 233-234. Type data: South Africa: Cape Province, Hogsback. Holotype female (examined), by original designation. Type depository: Pretoria: South African National Collection of Insects, South Africa. Described: both sexes. Illust.

*Mimistaka unispina*; Heraty, 2005: 145. Change of combination.

CITATIONS: Heraty2005 [nomenclature].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

**Neolirata Torréns & Heraty**

*Neolirata* Torréns & Heraty, 2013: 347-349. Type species: *Lirata daguerrei* Gemingnani, by original designation.

**Neolirata alta (Walker)**

*Thoracantha alta* Walker, 1862: 383. Type data: Brazil. Syntypes, female. Type depository: London: Natural History Museum, England; type no. 5.634. Described: female. Notes: New genus.

*Kapala alta*; Ashmead, 1904[238]: 472. Change of combination.

*Neolirata alta*; Torréns & Heraty, 2013: 353-354. Illust. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Ectatomminae**: *Ectatomma brunneum* Smith [TorrenHe2013, Torren2013].

CITATIONS: Heraty2002 [catalog]; TorrenHe2013 [Behavior, host record].

DISTRIBUTION: **Neotropical**: Argentina (Salta [TorrenHe2013], Tucuman [TorrenHe2013]); Brazil [Ashmea1904238, Walker1862] (Amazonas [TorrenHe2013], Espirito Santo [TorrenHe2013], Goias [TorrenHe2013], Sao Paulo [Heraty2002]); Uruguay [TorrenHe2013].

### **Neolirata daguerrei (Gemignani)**

*Lirata daguerrei* Gemignani, 1937: 160-161. Type data: Argentina: Entre Ríos, Concordia. Holotype female, by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia"; type no. 28780. Described: female. Illust.

*Neolirata daguerrei*; Torrén & Heraty, 2013: 348-353. Illust. Change of combination.

ASSOCIATIONS: Associate - **Sapindaceae**: *Urvillea chacoensis* Sapindaceae [TorrenHe2013, Torren2013].

CITATIONS: Heraty2002 [catalog]; TorrenHe2013 [description-Immatures, Behavior].

DISTRIBUTION: **Neotropical**: Argentina (Chaco [Heraty2002], Entre Rios [Gemign1937], Salta [Heraty2002], Tucuman [Heraty2002]); Brazil [Heraty2002] (Bahia [Heraty2002], Minas Gerais [Heraty2002], Sao Paulo [Heraty2002]); Paraguay [Heraty2002].

### **Neolirata furcula Torrén & Heraty**

*Neolirata furcula* Torrén & Heraty, 2012: 354-357. Type data: Ipiranga, [23°35'33"S 46°36'30"W], 26.xi.2006, S. M. Torres, UCR\_ENT 00036243. Holotype female (examined), by original designation. Type depository: MZSP. Described: female. Illust.

DISTRIBUTION: **Neotropical**: Brazil (Sao Paulo [TorrenHe2013]).

### **Neostilbula Heraty**

*Neostilbula* Heraty, 2002: 202-204. Type species: *Orasema ranomafanae* Risbec, by original designation.

### **Neostilbula ranomafanae (Risbec)**

*Orasema ranomafanae* Risbec, 1952: 410. Type data: Madagascar: Ranomafana. Syntypes (examined). Type depository: MNHP. Described: male. Illust.

*Stilbula ranomafanae*; Heraty, 1994. Change of combination.

*Neostilbula ranomafanae*; Heraty, 2002: 204. Described: both sexes. Illust. Change of combination.

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

### **Obeza Heraty**

*Obeza* Heraty, 1985: 87-88. Type species: *Lophyrocera floridana* Ashmead, by original designation.

*Obeza*; Heraty, 2002: 204-206. Subsequent description.

CITATIONS: PerezLLa2014 [host record].

KEYS: Heraty 1985: 90 [North America].

### **Obeza floridana (Ashmead)**

*Lophyrocera floridana* Ashmead, 1888[45]: 187. Type data: United States: Florida. Holotype male (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 41192. Described: male.

*Lophyrocera floridana*; Ashmead, 1892[82]: 357.

*Lophyrocera* sp.; Ashmead, 1896[119]: 214. Described: male. Subsequent description. Notes: Through a printers error, no species name was placed with this description. Ashmead wrote *Lophyrocera nigriceps* n. sp. into a reprint in the USNM collection, but this is not valid. Ashmead described the male as different from *L. floridana* Ashmead, but I assume that this is just a more lightly coloured individual.

*Stilbula floridana*; Gahan, 1940: 435-436. Described: both sexes. Change of combination.

*Obeza floridana*; Heraty, 1985: 90-91. Described: both sexes. Illust. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Camponotus Abdominalis floridanus* (Buckley) [DavisJo1990].

CITATIONS: DavisJo1990 [host record, Life History]; DeSant1981 [catalog]; Heraty2002 [catalog, Behavior]; HeratyBa1990 [host record, description-Immatures, Life History].

DISTRIBUTION: **Nearctic**: United States of America (Florida [Heraty1985], Georgia [Heraty1985]).

**Neotropical**: Cuba [DeSant1981].

**Obeza grenadensis (Howard)**

*Stilbula grenadensis* Howard, 1886: 133. Type data: West Indies: Grenada. Unknown type status female (examined). Type depository: London: Natural History Museum, England. Described: female.

*Obeza grenadensis*; Heraty, 1985: 88. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Grenada [Howard1896].

**Obeza maculata (Westwood)**

*Schizaspidea maculata* Westwood, 1874: 153. Type data: Brazil. Unknown type status female. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Illust.

*Orasema maculata*; Kirby, 1886: 29. Change of combination.

*Schizaspidia maculata*; Gemignani, 1947: 11-12. Described: female. Illust. Subsequent description.

*Obeza maculata*; Heraty, 1985: 88. Change of combination.

CITATIONS: Ashmea1904238 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Ashmea1904238].

**Obeza meridionalis (Kirby)**

*Tetramelia meridionalis* Kirby, 1889: 144. Type data: Brazil. Holotype female (examined), by monotypy.

Type depository: London: Natural History Museum, England; type no. 5.383. Described: female.

*Obeza meridionalis*; Heraty, 1985: 88. Change of combination.

CITATIONS: Ashmea1904238 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Kirby1889].

**Obeza nigriceps (Ashmead) new combination**

*Stilbula nigriceps* Ashmead, 1904[238]: 468-469. Type data: Brazil: Santarem. Holotype male, by monotypy. Type depository: Washington: United States National Entomological Collection, U.S.

National Museum of Natural History, DC, USA. Described: male. Illust.

*Stilbula nigriceps*; Girault, 1913[157]: 62. Described: male. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Ashmea1904238].

**Obeza nigromaculata (Cameron)**

*Lophyrocera nigromaculata* Cameron, 1884: 104, pl.V. Type data: Nicaragua: Chontales. Syntypes, male (examined). Type depository: London: Natural History Museum, England. Described: male. Illust.

*Obeza nigromaculata*; Heraty, 1985: 90. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Nicaragua [Cameron1884].

**Obeza semifumipennis (Girault)**

*Stilbula semifumipennis* Girault, 1911[88]: 392-395. Type data: Paraguay: Asuncion. Holotype male, by original designation. Type depository: Berlin: Museum fur Naturkunde der Humboldt Universitat zu

Berlin, Germany; type no. 31928. Described: male.

*Obeza semifumipennis*; Heraty, 1985: 90. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Paraguay [Girault191188].

**Obeza septentrionalis (Brues)**

*Lophyrocera nigromaculata*; Ashmead, 1892[82]: 357. Misidentification.

*Schizaspidia septentrionalis* Brues, 1907: 104-105. Type data: United States: Arizona, Huachuca Mountains. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 42707. Described: female.

*Stilbula septentrionalis*; Gahan, 1940: 435-436. Described: female. Change of combination.

*Obeza septentrionalis*; Heraty, 1985: 91-92. Described: both sexes. Illust. Change of combination.

CITATIONS: Ashmea189282 [Tr]; DeSant1989 [catalog]; Heraty2002 [catalog].



DISTRIBUTION: **Nearctic**: Mexico [Heraty1985, DeSant1989]; United States of America (Arizona [Heraty1985, Brues1907], New Mexico [Heraty1985], Texas [Heraty1985]).

#### **Parakapala Gemignani**

*Parakapala* Gemignani, 1937: 165-166. Type species: *Parakapala decarloi* Gemignani, by original designation.

*Parakapala*; Heraty, 2002: 208-210. Subsequent description.

#### **Parakapala decarloi Gemignani**

*Parakapala decarloi* Gemignani, 1937: 165-166. Type data: Argentina: Corrientes (city). Holotype male, by original designation. Type depository: Museo Argentine de Ciencias Naturales "Bernardino Rivadavia"; type no. 37882. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina.

#### **Parakapala nigrella (Girault) new combination**

*Liratella nigrella* Girault, 1913[157]: 62. Type data: Paraguay: San Bernardino. Holotype male, by original designation. Type depository: Berlin: Museum fur Naturkunde der Humboldt Universitat zu Berlin, Germany. Described: male.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Paraguay [Girault1913157].

#### **Parakapala reflexa (Walker) new combination**

*Thoracantha reflexa* Walker, 1862: 382. Type data: Brazil: Santarem. Syntypes, female. Type depository: London: Natural History Museum, England; type no. 5.638. Described: female.

*Schizaspidia reflexa*; Walker, 1871: 66. Change of combination.

*Kapala reflexa*; Ashmead, 1904[238]: 473. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil (Paraiba [Walker1862]); Paraguay [Heraty2002].

#### **Parapsilogastrus Ghesquière**

*Psilogasteroides* Girault, 1913[175]: 93-94. Type species: *Eucharis fausta* Walker, by original designation. Homonym; discovered by Girault, 1915[241]: 232. Notes: Preoccupied by *Psilogasteroides* Brethes, 1910.

*Parapsilogaster* Girault, 1915[241]: 232. Replacement name. Homonym. Notes: Preoccupied by *Parapsilogaster* Bigot, 1882.

*Parapsilogastrus* Ghesquière, 1946: 368. Replacement name.

*Parapsilogastrus*; Heraty, 2002: 210-213. Subsequent description.

KEYS: Heraty 2002: 213.

#### **Parapsilogastrus fausta (Walker)**

*Eucharis fausta* Walker, 1839b: 10-11. Type data: Australia: Tasmania, Hobart. Lectotype female (examined), by subsequent designation Bouček, 1988: 527. Type depository: London: Natural History Museum, England; type no. 5.616. Described: male.

*Epimetegea fausta* Walker, 1862: 10. Type data: Australia: Tasmania, Hobart. Syntypes. Type depository: London: Natural History Museum, England. Described: male.

*Stilbula fausta*; Walker, 1871: 66. Change of combination.

*Psilogasteroides fausta*; Girault, 1913[175]: 94. Change of combination.

*Parapsilogaster fausta*; Girault, 1915[241]: 232. Described: male. Change of combination. Notes: Walker's description repeated (in Latin).

*Epimetegea phidiasae* Girault, 1940[459]: 325. Type data: Australia: A.C.T. Holotype male. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: male. Synonymy by Bouček, 1988: 527.

*Parapsilogastrus fausta*; Ghesquière, 1946: 368. Change of combination.

*Epimetegea fausta*; Hedqvist, 1978: 242, 243. Change of combination. Notes: (name misspelt as *faustus* as incorrectly stated as type of *Epimetegea*).

*Epimetagea phidiasae*; Dahms, 1986: 409.

*Parapsilogastrus fausta*; Bouček, 1988: 527. Change of combination.

CITATIONS: Heraty2000 [Behavior]; Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Australasian**: Australia (Capital Territory [Heraty2002], New South Wales [Heraty2002], Tasmania [Heraty2002], Tasmania [Walker1839], Victoria [Heraty2002]).

#### **Parapsilogastrus longicornis Heraty**

*Parapsilogastrus longicornis* Heraty, 2002: 214-215. Type data: New Guinea: Neth., Swart Valley.

Holotype male (examined), by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: male. Illust.

DISTRIBUTION: **Australasian**: Papua New Guinea [Heraty2002].

#### **Parapsilogastrus pilosus Heraty**

*Parapsilogastrus pilosus* Heraty, 2002: 215-216. Type data: China: Hainan I., Tien Fong Mtns. Holotype male (examined), by original designation. Type depository: London: Natural History Museum, England. Described: male. Illust.

DISTRIBUTION: **Oriental**: China (Hainan [Heraty2002]).

#### **Parapsilogastrus rugosus Heraty**

*Parapsilogastrus rugosus* Heraty, 2002: 216-217. Type data: Papua New Guinea: Neth., Ind.-American New Guinea Exped., Sigi Camp. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

DISTRIBUTION: **Australasian**: Papua New Guinea [Heraty2002].

#### **Parapsilogastrus ulyanovi (Girault)**

*Epimetagea ulyanovi* Girault, 1940[459]: 325. Type data: Australia: A.C.T., Blundells. Holotype female, by monotypy. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Notes: Probably same as *fausta* (Bouček, 1988).

*Epimetagea ulyanovi*; Dahms, 1986: 607-608.

*Parapsilogastrus ulyanovi*; Bouček, 1988: 527. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Capital Territory [Girault1940459]).

#### **Pogonocharis Heraty**

*Pogonocharis* Heraty, 2002: 217-218. Type species: *Pogonocharis browni* Heraty, by original designation.

#### **Pogonocharis browni Heraty**

*Pogonocharis browni* Heraty, 2002: 219-220. Type data: Sulawesi: S. Celebes, 5-8 km NE Tanete.

Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust. Notes: Collected over nest of *Gnamptogenys menadensis* (Mayr).

ASSOCIATIONS: Associate - FORMICIDAE **Ponerinae**: *Gnamptogenys menadensis* (Mayr) [Heraty2002].

DISTRIBUTION: **Oriental**: Indonesia (Sulawesi (=Celebes) [Heraty2002]).

#### **Pseudochalcura Ashmead**

*Pseudochalcura* Ashmead, 1904[238]: 268, 269, 468. Type species: *Eucharis gibbosa* Provancher, by original designation.

*Pseudochalcura*; Ashmead, 1904[238]: 268, 270 (key).

*Pseudochalcura*; Heraty, 1985: 95-96.

*Pseudochalcura*; Heraty, 1986: 187. Subsequent description.

*Pseudochalcura*; Heraty, 2002: 220-222. Subsequent description.

CITATIONS: Ashmead1904238 [key to genera].

KEYS: Heraty 1986: 187-189 [New World]; Heraty 1985: 95-96 [North America].

**Pseudochalcura alba Heraty & Heraty**

*Pseudochalcura alba* Heraty & Heraty, 2009: 219-222. Type data: Argentina: Santiago del Estero, E of Lavalle. Holotype female (examined), by original designation. Type depository: Riverside: UCR Entomological Teaching and Research Collection, Univ. Calif., CA, USA; type no. 161499. Described: both sexes. Illust.

DISTRIBUTION: **Neotropical**: Argentina (Santiago del Estero [HeratyHeTo2009]).

**Pseudochalcura americana (Howard)**

*Chalcura americana* Howard, 1894: 85. Type data: West Indies: St. Vincent. Holotype female (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2713. Described: female.

*Stilbula americana*; DeSantis, 1979: 102. Change of combination.

*Pseudochalcura americana*; Heraty, 1986: 189-191. Described: both sexes. Illust. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Camponotus* sp. ca. *textor* Forel [PerezLLa2014]  
CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Florida). **Neotropical**: Argentina; Brazil (Mato Grosso [new]); Colombia; Dominican Republic; Ecuador; Panama; Paraguay [new].

**Pseudochalcura atra Heraty**

*Pseudochalcura atra* Heraty, 1986: 202. Type data: Mexico: Baja California, Cabo Falso. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur [Heraty1986]).

**Pseudochalcura chilensis Kieffer**

*Pseudochalcura chilensis* Kieffer, 1904: 242. Type data: Chili[Chile]: fôrets. Lectotype male (examined), by subsequent designation Heraty, 1986: 205. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: male.

*Pseudochalcura chilensis*; Heraty, 1986: 205. Described: both sexes. Illust. Subsequent description.

CITATIONS: DeSant1979 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Chile [Kieffe1904].

**Pseudochalcura condylus Heraty**

*Pseudochalcura condylus* Heraty, 1986: 207. Type data: West Indies, Trinidad: St. Augustine. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Dominican Republic [Heraty1986]; Saint Kitts and Nevis Islands [Heraty1986]; Trinidad and Tobago (Trinidad [Heraty1986]).

**Pseudochalcura excrucata Heraty**

*Pseudochalcura excrucata* Heraty, 1986: 191-192. Type data: Brazil: Caruaru, Pernambuco. Holotype male (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: male.

CITATIONS: Heraty2002 [catalog]; Heraty2005 [nomenclature].

DISTRIBUTION: **Neotropical**: Brazil.

**Pseudochalcura frustrata Heraty**

*Pseudochalcura frustrata* Heraty, 1986: 194-195. Type data: Argentina: Catamarca, El Suncho. Holotype male (examined), by original designation. Type depository: MLA. Described: male.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina [Heraty1986].

**Pseudochalcura gibbosa (Provancher)**

*Eucharis gibbosa* Provancher, 1881: 292. Type data: Canada (eastern?). Lectotype female, by subsequent designation Gahan & Rowher, 1917. Type depository: University of Laval, Quebec; type no. 462. Described: female.

*Chalcura gibbosa*; Ashmead, 1892[82]: 355. Change of combination.

*Chalcura californica* Ashmead, 1892[82]: 356. Type data: United States: California, Santa Cruz Mountains. Holotype male (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2139. Described: male. Synonymy by Heraty, 1985: 195.

*Pseudochalcura gibbosa*; Ashmead, 1904: 268. Change of combination.

*Chalcura arizonensis* Crawford, 1914: 29. Type data: United States: Arizona, Stone Cabin Cañon, Santa Rita Mtns. Holotype female (examined), by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 16702. Described: female. Synonymy by Heraty, 1986: 195.

*Chalcura gibbosa*; Viereck, 1916: 526. Described: female. Subsequent description.

*Pseudochalcura arizonensis*; Muesebeck et al., 1951: 515. Change of combination.

*Pseudochalcura californica*; Muesebeck et al., 1951: 515. Change of combination.

*Pseudochalcura gibbosa*; Heraty, 1986: 195-201. Described: both sexes. Illust. Subsequent description. ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Camponotus novaeboracensis* (Fitch) [Wheeler 1910]. CITATIONS: Burks 1963 [nomenclature]; Cook 1905 [Life History]; Darlin 1988 [anatomy]; Heraty 2002 [catalog]; Pierce 1914 [Life History]; Provan 1883 anatomy.

DISTRIBUTION: **Nearctic**: Canada (Alberta [Heraty 1986], British Columbia, Manitoba, New Brunswick, Northwest Territories, Ontario, Quebec [Muesebeck et al. 1951], Saskatchewan, Yukon Territory); United States of America (Alaska, Arkansas, California, Colorado, Idaho, Michigan [Muesebeck et al. 1951], Minnesota, Mississippi, Missouri, Montana, Nevada, New Hampshire, New Mexico, Oklahoma, Oregon, Texas, Utah, Washington, Wisconsin).

**Pseudochalcura liburna Heraty**

*Pseudochalcura liburna* Heraty, 1985: 96. Unavailable name. Notes: Name published in key prior to subsequent work.

*Pseudochalcura liburna* Heraty, 1986: 191. Type data: United States: Florida, Big Pine Key. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

CITATIONS: Heraty 2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Florida).

**Pseudochalcura nigrocyanea Ashmead**

*Pseudochalcura nigrocyanea* Ashmead, 1904[238]: 468. Type data: Brazil: Matto Grosso, Chapada. Lectotype male (examined), by subsequent designation Heraty, 1986: 193. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 8082. Described: male.

*Pseudochalcura nigrocyanea*; Heraty, 1986: 193-194. Described: both sexes. Illust. Subsequent description.

CITATIONS: Heraty 2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil (Mato Grosso [Ashmead 1904 238, Heraty 1986]); Uruguay [Heraty 1986]; Venezuela.

**Pseudochalcura pauca Heraty**

*Pseudochalcura pauca* Heraty, 1986: 202-205. Type data: Argentina: Cordoba, 5 mi N Dean Funes. Holotype female (examined), by original designation. Type depository: San Francisco: California Academy of Sciences, Dept. Ent., CA, USA. Described: female. Illust.

CITATIONS: Heraty 2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina [Heraty 1986].

**Pseudochalcura prolata Heraty**

*Pseudochalcura prolata* Heraty, 1986: 205-207. Type data: Argentina: Chaco, Resistance. Holotype female (examined), by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia". Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina; Uruguay.

**Pseudochalcura sculpturata Heraty**

*Pseudochalcura sculpturata* Heraty, 1985: 96. Unavailable name. Notes: Name published in key prior to publication of subsequent work.

*Pseudochalcura sculpturata* Heraty, 1986: 207-209. Type data: Brazil: Caruaru, Pernambuco. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (Florida). **Neotropical**: Brazil (Goias).

**Pseudochalcura septuosa Heraty**

*Pseudochalcura septuosa* Heraty, 1986: 201-202. Type data: Mexico: Guerrero, Chilpancingo. Holotype female (examined), by original designation. Type depository: Cambridge: Museum of Comparative Zoology, Entomology Department, Harvard University, MA, USA. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: Mexico [Heraty1986].

**Pseudometagea Ashmead**

*Pseudometagea* Ashmead, 1899[157]: 239, 241 (key). Type species: *Metagea schwarzii* Ashmead. Subsequently designated by Ashmead, 1904[238]: 267.

*Pseudometagea*; Ashmead, 1904[238]: 267, 269 (key).

*Pseudometagea*; Burks, 1961: 253-254. Subsequent description.

*Pseudometagea*; Heraty, 1985: 66-68. Subsequent description.

*Pseudometagea*; Heraty, 2002: 224-226. Subsequent description.

CITATIONS: Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera].

KEYS: Heraty 1985: 68, 70 [Nearctic]; Burks 1961: 254 (adult) [Nearctic].

**Pseudometagea bakeri Burks**

*Pseudometagea bakeri* Burks, 1961: 256-257. Type data: United States: Colorado, Fort Collins. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 65750. Described: both sexes.

*Pseudometagea bakeri*; Heraty, 1985: 75-77.. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: Canada (Alberta [Heraty1985], British Columbia [Heraty2002], Saskatchewan [Heraty1985]); United States of America (Colorado [Burks1961, Heraty1985], Iowa [Burks1961, Heraty1985], Minnesota [Heraty1985], Montana [Heraty1985], New Mexico [Heraty1985], North Dakota [Heraty1985], South Dakota [Heraty1985], Utah [Heraty1985]).

**Pseudometagea barberi Heraty**

*Pseudometagea barberi* Heraty, 1985: 70-72. Type data: Canada: Ontario, Pinery Park, Grand Bend. Holotype male (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: Canada (Ontario [Heraty1985]); United States of America (New York [Heraty2002]).

**Pseudometagea hirsuta Heraty**

*Pseudometagea hirsuta* Heraty, 1985: 77-78. Type data: United States: Coalifornia, Oroville. Holotype female (examined), by original designation. Type depository: San Francisco: California Academy of Sciences, Dept. Ent., CA, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: United States of America (California [Heraty1986]).

**Pseudometagea montana (Ashmead)**

*Stilbula*[!] *montana* Ashmead, 1890[69]: 24-25, 45. Type data: United States: Colorado, West Cliff.

Lectotype female (examined), by subsequent designation Heraty, 1985: 82. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2131. Described: female. Notes: Misspelling of generic epithet.

*Stilbula montana*; Ashmead, 1892[82]: 356. Justified emendation.

*Pseudometagea montana*; Heraty, 1985: 81-83. Described: both sexes. Illust. Change of combination.

CITATIONS: Darlin1988 [anatomy]; Heraty2002 [catalog]; HeratyDa1984 [description-Immatures, illustration-immature, Behavior].

DISTRIBUTION: **Nearctic**: Canada (Alberta [Heraty1985], New Brunswick [Heraty1985], Nova Scotia [Heraty1985], Ontario [Heraty1985], Prince Edward Island [Heraty1985], Quebec [Heraty1985], Saskatchewan [Heraty1985]); United States of America (Colorado [Ashmea189069, Heraty1985], Michigan [Heraty1985], Minnesota [Heraty1985], Montana [Heraty1985], New Mexico [Heraty1985], North Dakota [Heraty1985], Oregon [Heraty1985], Oregon [Heraty2002], South Dakota [Heraty2002], Wyoming [Heraty1985]).

**Pseudometagea nefrens Heraty**

*Pseudometagea nefrens* Heraty, 1985: 83-84. Type data: Canada: Alberta, Medicine Hat. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: Canada (Alberta [Heraty1985], Ontario [Heraty2002]); United States of America (Idaho [Heraty1985], Michigan [Heraty1985], Minnesota [Heraty1985], Montana [Heraty1985], Nebraska [Heraty2002], Pennsylvania [Heraty1985]).

**Pseudometagea occipitalis Heraty**

*Pseudometagea occipitalis* Heraty, 1985: 78-79. Type data: United States: Montana, 11 mi E of Libby. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: Canada (Alberta [Heraty1985], British Columbia [Heraty1985]); United States of America (Arizona [Heraty1985], Colorado [Heraty1985], Montana [Heraty1985]).

**Pseudometagea rugosa Heraty**

*Pseudometagea rugosa* Heraty, 1985: 80. Type data: Mexico: Durango, El Salto, 3000m. Holotype female (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: both sexes. Illust.

CITATIONS: DeSant1989 [catalog]; Heraty2002 [catalog].

DISTRIBUTION: **Nearctic**: Mexico.

**Pseudometagea schwarzii (Ashmead)**

*Metagea schwarzii* Ashmead, 1892[82]: 356. Type data: United States: District of Columbia, Washington.

Lectotype female (examined), by subsequent designation Burks, 1961: 255. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2140. Described: both sexes.

*Pseudometagea schwarzii*; Ashmead, 1900[178]: 555. Change of combination.

*Pseudometagea schwarzii*; Ashmead, 1904[238]: 267, 386.  
*Pseudometagea schwarzii*; Wheeler, 1907: 12. Notes: Biology.  
*Pseudometagea schwarzii*; Viereck, 1916: 525. Described: both sexes. Subsequent description.  
*Pseudometagea hillmeadia* Girault, 1916[300]: 113. Type data: United States: Maryland, Glendale.  
 Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 20319. Described: female. Synonymy by Burks, 1961: 255.  
*Pseudometagea schwarzii*; Burks, 1961: 255-256. Described: both sexes. Subsequent description.  
*Pseudometagea schwarzii*; Ayre, 1962: 157-164.  
*Pseudometagea schwarzii*; Heraty, 1985: 72-75. Described: both sexes. Illust. Subsequent description.  
 ASSOCIATIONS: Hosts - FORMICIDAE **Formicinae**: *Lasius* sp. [HeratyDa1984], *Lasius neoniger* Emery [Ayre1962, HeratyMu2013].  
 CITATIONS: Ayre1962 [description-Immatures, host record, illustration-immature]; Darlin1988 [anatomy]; Heraty2002 [catalog]; HeratyDa1984 [description-Immatures, illustration-immature, Behavior]; HeratyMu2013 [Behavior]; Johnso1988 [Life history]; Oatman1964 [Life History]; Peck1951 [catalog]; Smith1899 [distribution]; Wheele1907anatomy.  
 DISTRIBUTION: **Nearctic**: Canada (Alberta [Heraty1985], New Brunswick [Heraty1985], Ontario [Heraty1985], Quebec [Burks1961, Heraty1985]); United States of America (Colorado [MuesebeKrTo1951, Heraty1985], Delaware [Heraty1985], District of Columbia [MuesebeKrTo1951], Georgia [Heraty1985], Illinois [Smith1899, Heraty1985], Indiana [Heraty1985], Iowa [Burks1961, Heraty1985], Maryland [Heraty1985], Maryland [Smith1899, Ashmea189282, Heraty1985], Massachusetts [Heraty1985], Michigan [Heraty1985], Minnesota [Heraty1985], Missouri [Heraty1985], Nebraska [Heraty1985], New Hampshire [Heraty1985], New Jersey [Heraty1985], New Jersey [MuesebeKrTo1951, Heraty1985], New York [Heraty1985], North Carolina [Heraty1985], Ohio [Heraty1985], Pennsylvania [Smith1899, Heraty1985], Tennessee [Heraty1985], West Virginia [Heraty1985], Wisconsin [Burks1961, Oatman1964]).

#### **Rhipipalloidea Girault**

*Rhipipalloidea* Girault, 1934[442]: 1[306]. Type species: *Rhipipalloidea mira* Girault, by monotypy.  
*Rhipipalloidea*; Maeyama, Machida and Terayama, 1999: 305. Subsequent description.  
*Rhipipalloidea*; Heraty, 2002: 229-231. Subsequent description.  
 KEYS: Maeyama, Machida & Terayama 1999: 305.

#### **Rhipipalloidea mandagensis Maeyama, Machida & nd Terayama**

*Rhipipalloidea mandagensis* Maeyama, Machida and Terayama, 1999: 305-307. Type data: Papua New Guinea: Mandang Prov., Mandang. Holotype female, by original designation. Type depository: NIAS. Described: both sexes. Illust.  
 ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Camponotus (Tanaemyrmex)* sp. [MaeyamMaTe1999].  
 CITATIONS: Heraty2002 [catalog].  
 DISTRIBUTION: **Australasian**: Papua New Guinea [MaeyamMaTe1999].

#### **Rhipipalloidea mira Girault**

*Rhipipalloidea mira* Girault, 1934[442]: 1[306]. Type data: Australia: Victoria, Echuca. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9225. Described: female.  
*Rhipipalloidea gruberi* Girault, 1940[459]: 326. Type data: Australia: New South Wales, Mount Kosciusko. Holotype female, by monotypy. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Synonymy by Maeyama, Machida and Terayama, 1999: 307.  
*Rhipipallus mirus*; Hedqvist, 1978: 244. Change of combination.  
*Rhipipallus gruberi*; Hedqvist, 1978: 530. Change of combination.  
*Rhipipalloidea gruberi*; Dahms, 1984: 670.  
*Rhipipalloidea mira*; Dahms, 1984: 823.  
*Rhipipalloidea gruberi*; Bouček, 1988: 530. Change of combination. Notes: Probably smaller form of *mira*.  
*Rhipipalloidea mira*; Bouček, 1988: 530. Change of combination.

*Rhipipalloidea mira*; Maeyama, Machida and Terayama, 1999: 307-302. Illust. Subsequent description.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1940459], Victoria [Giraul1934442]).

### **Saccharissa Kirby**

*Saccharissa* Kirby, 1886: 37. Type species: *Eucharis contigens* Walker, by original designation.

*Saccharissa*; Ashmead, 1904[238]: 267, 269 (in key).

*Saccharissa*; Heraty, 2002: 234-236. Subsequent description.

CITATIONS: Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera].

KEYS: Heraty 2002: 236-237.

### **Saccharissa alcocki Heraty**

*Saccharissa alcocki* Heraty, 2002: 237-238. Type data: unknown [locality faded]; paratype from

Thailand?. Holotype female (examined), by original designation. Type depository: CMNH. Described: female. Illust.

DISTRIBUTION: **Oriental**: Thailand? [Heraty2002].

### **Saccharissa contigens (Walker)**

*Eucharis contigens* Walker, 1862: 378. Type data: Borneo. Syntypes, female (examined). Type depository: London: Natural History Museum, England; type no. 5.605. Described: female.

*Schizaspidia contigens*; Walker, 1872: 66. Change of combination.

*Saccharissa contigens*; Kirby, 1886: 37. Change of combination. Notes: Also provided unjustified emmendment of name.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak [Walker1862]).

### **Saccharissa latifurca Bouček**

*Saccharissa latifurca* Bouček, 1988: 533, f.967. Type data: Australia: Queensland, Meringa. Holotype male, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Northern Territory [Heraty2002], Queensland [Boucek1988]).

### **Saccharissa vicina (Masi)**

*Schizaspidia vicina* Masi, 1926: 366-370. Type data: Taiwan: Kankau (Koshun). Syntypes, both sexes.

Type depository: Eberswalde: [formerly: Deutsches Entomologisches Institut], Inst. für Pflanzenschutzforschung, Germany. Described: both sexes. Illust.

*Saccharissa vicina*; Bouček, 1988: 533. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Taiwan [Masi1926, Heraty2002].

### **Schizaspidia Westwood**

*Schizaspidia* Westwood, 1835: 69. Type species: *Schizaspidia furcifera* Westwood, by monotypy.

*Schizaspidia*; Brullé, 1846: 573. Subsequent description.

*Schizaspidia*; Ashmead, 1888[45]: 187 (in key).

*Laetocantha* Shipp, 1894: 188. Type species: *Thoracantha nasua* Walker, by original designation.

Synonymy by Baltazar, 1961: 394.

*Laetocantha*; Ashmead, 1904[238]: 268, 270 (key).

*Schizaspidia*; Ashmead, 1904[238]: 268, 269 (key).

*Psygmatocera* Enderlein, 1912: 146. Type species: *Psygmatocera ceylonica* Enderlein, by original designation. Synonymy by Baltazar, 1961: 394.

*Neokapala* Girault, 1913[159]: 92. Type species: *Neokapala furcatella* Girault (= *Astilbula aenea* Girault), by original designation. Synonymy by Hedqvist, 1978: 231.

*Kapatella* Girault, 1932[437]: 4[289]. Type species: *Kapatella transstriata* Girault (= *Astilbula aenea* Girault), by monotypy. Synonymy by Hedqvist, 1978: 231.



*Thoracanthella* Girault, 1940[459]: 323. Type species: *Thoracanthella emersoni* Girault, by original designation. Synonymy by Hedqvist, 1978: 231.

*Kapaloides* Mani, 1944: 155. Type species: *Kapaloides travancorensis* Mani, by original designation. Synonymy by Hedqvist, 1978: 227.

*Schizaspidia*; Hedqvist, 1978: 231. Subsequent description.

*Schizaspidia*; Heraty, 2002: 239-242. Subsequent description.

CITATIONS: Ashmea188845 [key to genera, nomenclature]; Ashmea1899157 [key to genera, as *Laetocantha*]; Ashmea1904238 [key to genera]; Brues1934 [key to species, description-Adult]; Darlin1988 [anatomy].

KEYS: Narendran 1985: 608-609 [India]; Hedqvist 1978: 237-239 [Australasian region]; Brues 1934: 205-206 (adult) [as *Akapala*, *Schizaspidia*, *Substilbula*; Australia (three genera treated as *Schizaspidia*)].

### **Schizaspidia aenea (Girault)**

*Astilbula aenea* Girault, 1913[159]: 101. Type data: Australia: Queensland, Gordonvale. Holotype male, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.3283. Described: male.

*Neokapala furcatella* Girault, 1913[175]: 92. Type data: Australia: Queensland, Cairns. Holotype female, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia; type no. I.1278. Described: female. Synonymy by Hedqvist, 1978: 240.

*Epimetegea aenea* Girault, 1915[241]: 227. Described: male. Synonymy by Hedqvist, 1978: 239. Notes: Description repeated, treated as synonymy by Hedqvist.

*Neokapala furcatella* Girault, 1915[241]: 231. Described: female. Synonymy by Hedqvist, 1978: 239. Notes: Description repeated.

*Kapatella transstriata* Girault, 1932[437]: 4[289]. Type data: Australia: Queensland, Nelson, A.P. Dodd. Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.10016. Described: female. Synonymy by Hedqvist, 1978: 240.

*Schizaspidia aenea*; Hedqvist, 1978: 240. Change of combination.

*Astilbula aenea*; Dahms, 1983: 12.

*Neokapala furcatella*; Dahms, 1984: 635.

*Kapatella transstriata*; Dahms, 1986: 592.

*Schizaspidia aenea*; Bouček, 1988: 534. Notes: Unsure of species synonymy. New Records.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia [Girault1932437].

### **Schizaspidia andamanensis (Mani)**

*Kapaloides andamanensis* Mani, 1944: 156. Type data: India: Andaman Island. Unknown type status. Type depository: ZSI.

*Schizaspidia andamanensis*; Narendran, 1985: 609. Change of combination.

CITATIONS: GuptaMa2013 [description-adults]; Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Andaman Islands [Narendran1985a]).

### **Schizaspidia antennata Gahan**

*Schizaspidia antennata* Gahan, 1940: 433-434. Type data: East Malaysia [Federated Malay States: Kuala Lumpur. Syntypes (examined). Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 53551. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Fiji [new]. **Oriental**: Malaysia (Malaya [Gahan1940]).

### **Schizaspidia batuensis Hedqvist**

*Schizaspidia batuensis* Hedqvist, 1978: 232. Type data: Philippines: Tawi Tawi, Tarawakan, north of Batu Batu. Holotype male, by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Philippines.

**Schizaspidia brevifuniculata Narendran**

*Schizaspidia brevifuniculata* Narendran, 1985a: 606. Type data: India: Kerala, South Malabar, Chettiyarmad. Holotype female. Type depository: DZUC. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Kerala [Narend1985a]).

**Schizaspidia brevifurcata Watanabe**

*Schizaspidia brevifurcata* Watanabe, 1958: 23. Type data: Caroline Islands: Palau. Unknown type status. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Palau.

**Schizaspidia caeruleiceps Cameron**

*Schizaspidia caeruleiceps* Cameron, 1909c: 239. Type data: Malaysia: Sarawak, Kuching. Syntypes, male (examined). Type depository: London: Natural History Museum, England.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak [Camero1909c]).

**Schizaspidia chamorro Yasumatsu**

*Schizaspidia chamorro* Yasumatsu, 1942: 156. Type data: Caroline Islands. Unknown type status.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Palau.

**Schizaspidia convergens (Walker)**

*Eucharis convergens* Walker, 1860: 358. Type data: Sri Lanka. Lectotype female (examined). Type depository: London: Natural History Museum, England; type no. 5.624.

*Psygmatocera ceylonica* Enderlein, 1912: 146. Type data: Sri Lanka [Ceylon]. Syntypes. Type depository: Eberswalde: [formerly: Deutsches Entomologisches Institut], Inst. fur Pflanzenschutzforschung, Germany. Synonymy by Hedqvist, 1978: 240. Notes: Need to check description.

*Schizaspidia convergens*; Gahan, 1940: 431-432. Described: both sexes. Change of combination.

*Schizaspidia ceylonica*; Baltazar, 1961: 394. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Odontomachus haematodes* (Linnaeus) [Gahan1940, Clause1941].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Sri Lanka [Enderl1912, Narend1985a].

**Schizaspidia coromandelica (Mani et. al.)**

*Kapaloides coromandelica* Mani et. al., 1974: 45. Type data: India: Coromandel Coast. Unknown type status. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA.

*Schizaspidia coromandelica*; Hedqvist, 1978: 240. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Tamil Nadu [Narend1985a]).

**Schizaspidia cyanea Walker**

*Schizaspidia cyanea* Walker, 1862: 386-387. Type data: Indonesia: Amboina, Malaku. Lectotype male (examined), by subsequent designation Bouček, 1988: 534. Type depository: London: Natural History Museum, England; type no. 5.626. Described: male. Notes: Scutellum and antennae missing (Bouček, 1988).

*Schizaspidia cyanea*; Bouček, 1988: 534. Notes: New Records on New Guinea.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Indonesia (Ceram).

**Schizaspidia emersoni (Girault)**

*Thoracantha emersoni* Girault, 1915[241]: 237. Type data: Australia: Queensland, Gordonvale. Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.3291.

Described: male. Notes: No designation in original description.

*Thoracantha guttipennis* Girault, 1932[437]: 3[289]. Type data: Australia: Queensland, Nelson.

Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. 8986-91.

Described: male. Synonymy by Bouček, 1988: 535.

*Thoracantha guttipennis*; Girault, 1932[439]: 1[293]. Justified emendation.

*Thoracanthella emersoni*; Girault, 1940[459]: 323. Change of combination.

*Schizaspidia murrayi*; Hedqvist, 1978: 240. Misidentification. Notes: Erroneously synonymized.

*Schizaspidia guttipennis*; Hedqvist, 1978: 535. Change of combination.

*Thoracantha emersoni*; Dahms, 1983: 248.

*Thoracantha guttipennis*; Dahms, 1984: 672.

*Schizaspidia emersoni*; Bouček, 1988: 535. Change of combination. Notes: Disagrees with synonymy under *murrayi* by Hedqvist (1978:240).

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1932437]).

**Schizaspidia fasciatipennis (Girault)**

*Kapala fasciatipennis* Girault, 1928[425]: 452. Type data: Philippines: Luzon, Baguio, Benguet. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. 24249. Described: female. Notes: Head and gaster missing.

*Schizaspidia fasciatipennis*; Baltazar, 1966b: 130. Change of combination.

*Schizaspidia fasciatipennis*; Hedqvist, 1978: 240.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Philippines (Luzon [Girault1928425]).

**Schizaspidia furcifera Westwood**

*Schizaspidia furcifer* Westwood, 1835: 69. Type data: India: Bengal. Holotype female (examined), by monotypy. Type depository: London: Natural History Museum, England; type no. 5.381. Described: female.

*Schizaspidia frucifera*; Narendran, 1985: 609. Misspelling of species name.

CITATIONS: Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Oriental**: India [Narend1985a].

**Schizaspidia malabarica Narendran**

*Schizaspidia malabarica* Narendran, 1985a: 608. Type data: India: Kerala, South Malabar, Ramanattukara, near Calicut. Holotype male, by original designation. Type depository: DZUC. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Kerala [Narend1985a]).

**Schizaspidia murrayi Kirby**

*Schizaspidia murrayi* Kirby, 1884: 403. Type data: Tonga Islands: Tongatapu. Unknown type status male (examined). Type depository: London: Natural History Museum, England; type no. 5.381. Described: male.

*Schizaspidia murrayi*; Dalla Torre, 1898: 364. Notes: Recorded type as from "Aust. Tongatabu".

*Schizaspidia murrayi*; Girault, 1915[241]: 235. Notes: Recorded type as from "Australia".

*Schizaspidia murrayi*; Hedqvist, 1978: 237. Illust. Notes: New record from Bismarck Is., Papua New Guinea. Treated *murrayi* as senior synonym of *emersoni*.

*Schizaspidia murrayi*; Hedqvist, 1978: 237. Described: male. Illust.

*Schizaspidia murrayi*; Bouček, 1988: 535.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Tonga [Kirby1884].

**Schizaspidia nasua (Walker)**

*Thoracantha nasua* Walker, 1846: 22, 88. Type data: Philippines. Syntypes, male (examined). Type depository: London: Natural History Museum, England. Described: male.

*Schizaspidia nasua*; Walker, 1871: 66. Change of combination.

*Laetocantha nasua*; Shipp, 1894: 188. Change of combination.

*Kapala foveatella* Girault, 1928[425]: 453. Type data: Philippines: Luzon, Mt Maquiling, Laguna. Unknown type status male, type designation unknown. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: male. Synonymy by Baltazar, 1966: 131. Notes: Antennae missing.

*Kapala violacea* Ishii, 1932: 209. Type data: Philippines: Luzon. Unknown type status female. Described: female. Synonymy by Baltazar, 1966b: 131.

*Schizaspidia nasua*; Baltazar, 1961: 394. Change of combination.

*Schizaspidia nasua*; Hedqvist, 1978: 235. Described: both sexes. Illust.

ASSOCIATIONS: Host - FORMICIDAE **Ponerinae**: *Odontomachus rixosus* [new].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Malaysia (Malaya [Heraty2002]); Philippines (Luzon [Ishii1932, Girault1928425, Walker1846]).

**Schizaspidia palawanensis Hedqvist**

*Schizaspidia palawanensis* Hedqvist, 1978: 233-234. Type data: Philippines: Palawan, Pingisan.

Holotype male, by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: male. Illust.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [catalog]; NarendSh1996 [illustration-adult].

DISTRIBUTION: **Oriental**: Philippines (Palawan [Hedqvist1978]).

**Schizaspidia peterseni Hedqvist**

*Schizaspidia peterseni* Hedqvist, 1978: 234. Type data: Philippines: Mindanao, Sapamoro, Curan district.

Holotype male, by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Philippines.

**Schizaspidia ponapensis Ishii**

*Schizaspidia ponapensis* Ishii, 1941: 107. Type data: Caroline Islands: Ponape. Syntypes. Type depository: Tokyo University of Agriculture & Technology, Tokyo, Japan.

*Schizaspidia palauensis* Ishii, 1941: 108. Type data: Caroline Islands: Palau. Synonymy by Watanabe, 1958: 21.

*Schizaspidia ponapensis*; Hedqvist, 1978: 235. Notes: New record from New Britain, Papua New Guinea.

*Schizaspidia ponapensis*; Hedqvist, 1978: 235-236. Described: both sexes. Illust.

*Schizaspidia ponapensis*; Bouček, 1988: 535.

*Schizaspidia ponapensis*; Bouček, 1988: 535.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Palau.

**Schizaspidia sabariensis (Mani et al.)**

*Kapaloides sabariensis* Mani et al., 1974: 42. Type data: India: Cardamom Hills. Unknown type status.

Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA.

*Schizaspidia sabariensis*; Hedqvist, 1978: 240. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Kerala [Narend1985a]).

**Schizaspidia samoana (Fullaway)**

*Stilbulaspis samoana* Fullaway, 1939: 409. Type data: Samoa: Tuitiula. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes.

*Schizaspidia samoana*; Baltazar, 1966a: 220. Described: both sexes. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: American Samoa [Fullaw1939].

#### **Schizaspidia scutellaris Masi new combination**

*Schizaspidia scutellaris* Masi, 1926: 366-372. Type data: Taiwan: Kankau (Konshun). Holotype female, by monotypy. Type depository: Eberswalde: [formerly: Deutsches Entomologisches Institut], Inst. für Pflanzenschutzforschung, Germany. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Taiwan [Masi1926].

#### **Schizaspidia sitarami Narendran**

*Schizaspidia sitarami* Narendran, 1985a: 608. Type data: India: Kerala, Calicut University Campus. Holotype male, by original designation. Type depository: DZUC. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Kerala [Narend1985a]).

#### **Schizaspidia sp.1**

*Schizaspidia sp.1* Krombein, 1981: 15.

ASSOCIATIONS: Foe - HYMENOPTERA **Sphecidae**: *Cerceris arenaria* [Krombe1981].

CITATIONS: Krombe1981 [Life History].

DISTRIBUTION: **Oriental**: Sri Lanka [Krombe1981].

#### **Schizaspidia taiwanensis Ishii**

*Schizaspidia taiwanensis* Ishii, 1938: 198. Type data: Taiwan. Unknown type status: Tokyo University of Agriculture & Technology, Tokyo, Japan.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Taiwan [Ishii1938].

#### **Schizaspidia tawiensis Hedqvist**

*Schizaspidia tawiensis* Hedqvist, 1978: 235. Type data: Philippines: Tawi Tawi, Tarawakan. Holotype female, by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Philippines.

#### **Schizaspidia travancorensis (Mani)**

*Kapaloides travancorensis* Mani, 1944: 155. Type data: India: Travancore. Unknown type status. Type depository: National Zoological Collection, Zoological Survey of India, India.

*Schizaspidia travancorensis*; Narendran, 1985: 609. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: India (Kerala [Narend1985a]).

#### **Schizaspidia yakushimensis Ishii**

*Schizaspidia yakushimensis* Ishii, 1938: 197. Type data: Ambo, Yakushima, Japan. Holotype male, by monotypy. Type depository: Tokyo University of Agriculture & Technology, Tokyo, Japan. Described: male. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Japan.

#### **Stilbula Spinola**

*Stilbula* Spinola, 1811: 150. Type species: *Ichneumon cyniformis* Rossi, by monotypy.

*Stilbula*; Ashmead, 1888[45]: 187 (in key).

*Stilbula*; Ashmead, 1904[238]: 268, 269 (key).

*Eltolada* Cameron, 1909c: 230. Type species: *Eltolada trimaculata* Cameron. Subsequently designated by Gahan and Fagan, 1923: 50. Synonymy by Hedqvist, 1978: 245.

*Stilbula*; Hedqvist, 1978: 245-246. Subsequent description.

*Stilbula*; Heraty, 2002: 247-250. Subsequent description.

CITATIONS: Ashmea188845 [key to genera, nomenclature]; Ashmea1899157 [key to genera]; Ashmea1904238 [key to genera]; PeckBoHo1964 [key to genera].

KEYS: Narendran & Sheela 1996: 70-74 (adult) [Indopacific region].

### ***Stilbula albipes* (Cameron)**

*Eltolada albipes* Cameron, 1909c: 230-231. Type data: Malaysia: Sarawak [Borneo], Kuching. Unknown type status male (examined). Type depository: London: Natural History Museum, England; type no. 5.379. Described: male. Notes: **Manuscript name**: not published herein.

DISTRIBUTION: **Oriental**: Malaysia (Sarawak [Camero1909b]).

### ***Stilbula albipetiole* Girault**

*Stilbula albipetiole* Girault, 1929[431]: 332-333. Type data: Australia: Victoria, Caramby & South Australia. Syntypes, female. Type depository: Adelaide: South Australian Museum, South Australia, Australia.

Described: both sexes.

*Stilbula albipetiole*; Dahms, 1983: 33-34.

*Stilbula albipetiole*; Bouček, 1988: 532.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species]; NaumanCaTa1994 [catalog].

DISTRIBUTION: **Australasian**: Australia.

### ***Stilbula arenae* Girault**

*Stilbula arenae* Girault, 1934[442]: 1[306]. Type data: Australia: Queensland, Southport. Syntypes. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.8630. Described: male.

*Stilbula arenae*; Dahms, 1983: 51.

*Stilbula arenae*; Bouček, 1988: 532. Subsequent description.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Polyrachis* sp. [Boucek1988]

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Australasian**: Australia [Giraul1934442].

### ***Stilbula ashokai* Narendran & Sheela**

*Stilbula ashokai* Narendran & Sheela, 1996: 69-70. Type data: India: Kerala, Malampuzha. Holotype female, by original designation. Type depository: Calcutta: Department of Zoology, Calcutta University, West Bengal, India. Described: both sexes. Illust.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Oriental**: India (Kerala [NarendSh1996]).

### ***Stilbula atkinsoni* (Mani et al.)**

*Schizaspidia atkinsoni* Mani et al., 1974: 36. Type data: Burma: Badaung Reserve, Schwebo. Unknown type status. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA.

*Stilbula atkinsoni*; Hedqvist, 1978: 246. Change of combination.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species]; NarendSh1996 [illustration-adult].

DISTRIBUTION: **Oriental**: Burma (=Myanmar).

### ***Stilbula bangalorica* Girish Kumar & Narendran**

*Stilbula bangalorica* Girish Kumar & Narendran, 2008: 114-116. Type data: India: Karnataka, Bangalore.

Holotype female, by original designation. Type depository: Calcutta: National Zoological Collection, Zoological Survey of India, India; type no. 9996/H3. Described: female, male and larva. Illust.

DISTRIBUTION: **Oriental**: India (Karnataka [GirishNa2008a]).

### ***Stilbula bekilensis bekilensis* (Risbec) new combination**

*Schizaspidia bekilensis* Risbec, 1952: 398-400. Type data: Madagascar: Bekily. Lectotype female (examined), by **present designation**. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: both sexes.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

**Stilbula bekilensis minor (Risbec) new combination**

*Schizaspidia bekilensis minor* Risbec, 1952: 400. Type data: Madagascar: Bekily. Lectotype male (examined), by **present designation**. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: male. Notes: Illustration 63 is a philomidine and has nothing to do with the description or type material of this species. There are no philomidines described in the paper with which the drawing could be associated.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

**Stilbula bella (Förster) new combination**

*Thoracantha bella* Förster, 1859: 92-93. Type data: Europe. Holotype female (examined), by monotypy. Type depository: Vienna: Naturhistorisches Museum Wien, Austria. Described: female.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Europa Island [Foerst1859].

**Stilbula brunneipetiole (Girault)**

*Epimetegea brunneipetiole* Girault, 1934[443]: 2[309]. Type data: Australia: New South Wales, Uralla. Syntypes. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Notes: According to Girault's manuscript the species should belong to *Schizapidia* (Dahms, 1983:154). No type designation.

*Epimetegea brunneipetiole*; Dahms, 1983: 154.

*Stilbula brunneipetiole*; Bouček, 1988: 532. Change of combination.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1934443], Queensland [Giraul1934442]).

**Stilbula carolinensis Watanabe**

*Stilbula carolinensis* Watanabe, 1958: 24. Type data: Caroline Is. Koror, Palau. Holotype male. Type Depository: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species]; NarendSh1996 [illustration-adult].

DISTRIBUTION: **Australasian**: Caroline Islands (Palau [Watana1958]).

**Stilbula cyniformis (Rossi)**

*Ichneumon cyniformis* Rossi, 1792: 125, fig. VI-g. Type data: Europa mer. Unknown type status unknown, type designation unknown. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Illust.

*Stilbula cyniformis*; Spinola, 1811: 150. Change of combination.

*Eucharis cyniformis*; Blanchard, 1840: 257. Subsequent description.

*Stilbula cynipiformis* Ashmead, 1899[157]: 236. Unjustified emendation.

*Stilbula cynipiformis*; Ashmead, 1904[238]: 268. Misspelling of species name.

*Stilbula cyniformis*; Andriescu, 1968: 238-239. Described: both sexes. Illust. Subsequent description.

ASSOCIATIONS: Foe - HYMENOPTERA **Sphecidae**: *Cerceris arenaria* L. [Fahrin1922]. Hosts - FORMICIDAE **Formicinae**: *Camponotus aethiops* (Latrielle) [Parker1932, Parker1937, ParkerTh1925], *Camponotus maculatus sanctus* Forel [Fahrin1922], *Camponotus marginatus* Latr. [FahrinTö1912], *Camponotus* sp. [ParkerTh1925]

CITATIONS: Boucek1951 [distribution]; Boucek1977 [distribution]; Burgis1988 [Life History, illustration-adult]; Ceball1942 [illustration-adult]; Domeni1953 [anatomy]; Fahrin1922 [host record]; Fiala1930 [Hre; Moravia distribution]; Heraty2002 [catalog]; Parker1932 [description-Immatures, host record]; Parker1937 [Life History]; ParkerTh1925 [description-Immatures].

DISTRIBUTION: **Palearctic**: Austria [new]; Czechoslovakia [new]; France [Parker1932]; Hungary [new]; Italy [new]; Romania; Sicily [new]; Turkey [Rusch1924, Boucek1951]; Yugoslavia (Bosnia Hercegovina [Boucek1977], Croatia [Boucek1977], Macedonia [Boucek1977], Serbia [Boucek1977]).

**Stilbula cyniformis tenuicornis (Ashmead)**

*Schizaspidia tenuicornis* Ashmead, 1904[243]: 151-152. Type data: Japan: Sapporo. Syntypes. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 7167. Described: female.

*Schizaspidia tenuicornis*; Clausen, 1923: 215.

*Schizaspidia tenuicornis*; Parker, 1924: 270.

*Schizaspidia nekkensis* Ishii, 1935: 1. Type data: Japan. Unknown type status. Synonymy by Watanabe, 1950: 61.

*Stilbula tenuicornis*; Gahan, 1940: 434-435. Described: both sexes. Change of combination.

*Stilbula cyniformis tenuicornis*; Watanabe, 1950: 64. Change of combination.

ASSOCIATIONS: Hosts - FORMICIDAE **Formicinae**: *Camponotus herculeanus japonicus* Mayr [Clause1923, Clause1941], *Camponotus lingiperda obscuripes* Mayr [Clause1923, Clause1941].

CITATIONS: Clause1923 [host record, description-Immatures, life history]; Heraty2002 [catalog]; Johnso1988 [Lhi].

DISTRIBUTION: **Palaeartic**: Japan [Clause1923]; South Korea [Clause1923].

**Stilbula indica (Mani)**

*Schizaspidia indica* Mani, 1935: 254. Type data: India: Assam. Unknown type status. Type depository: National Zoological Collection, Zoological Survey of India, India.

*Stilbula indica*; Hedqvist, 1978: 247. Change of combination.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Oriental**: India (Assam).

**Stilbula insularis (Cameron)**

*Stilbula insularis* Cameron, 1908: 85. Type data: India: Chagos, Egmont Island. Unknown type status female (examined). Type depository: London: Natural History Museum, England; type no. 5.377.

Described: female. Notes: Misspelling of generic name.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Oriental**: India (Chandigarh [Camero1908]).

**Stilbula knuthii Alfken**

*Stilbula knuthii* Alfken, 1900: 191-192. Type data: Java. Syntypes, female. Type depository: Museum für Naturkunde, Berlin. Described: female.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Indonesia (Java [Alfken1900]).

**Stilbula lata Narendran & Sheela**

*Stilbula lata* Narendran & Sheela, 1996: 68-69. Type data: India: Kerala, Trichur. Holotype male, by original designation. Type depository: Calcutta: Department of Zoology, Calcutta University, West Bengal, India. Described: male. Illust. Notes: Looks like *Stilbula peduncularis*.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Oriental**: India (Kerala [NarendSh1996]).

**Stilbula leucopoda (Cameron)**

*Eltolada leucopoda* Cameron, 1909c: 231. Type data: East Malaysia: Sarawak, Kuching. Syntypes, male. Type depository: London: Natural History Museum, England. Described: male.

*Stilbula leucopoda*; Hedqvist, 1978: 244. Change of combination.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak [Camero1909c]).

**Stilbula lissoma Masi**

*Stilbula lissoma* Masi, 1917: 141. Type data: Seychelles Islands. Syntypes, female (examined). Type depository: London: Natural History Museum, England; type no. 5.378.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Seychelles [Masi1917].



**Stilbula minispina Heraty**

*Stilbula minispina* Heraty, 2002: 253-254. Type data: India: Tamil Nadu, Siruvani Forest. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England.

Described: female. Illust.

DISTRIBUTION: **Oriental**: India (Tamil Nadu [Heraty2002]).

**Stilbula montana Nikolskaya**

*Stilbula montana* Nikolskaya, 1952: 208. Type data: Pamir. Unknown type status.

CITATIONS: Heraty2002 [catalog].

**Stilbula mysorensis (Mani et al.)**

*Schizaspidia mysorensis* Mani et al., 1974: 37. Type data: India: Mysore. Unknown type status. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA.

*Stilbula mysorensis*; Hedqvist, 1978: 247. Change of combination.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species]; NarendSh1996 [illustration-adult].

DISTRIBUTION: **Oriental**: India.

**Stilbula nilgiri Heraty**

*Stilbula nilgiri* Heraty, 2002: 254-255. Type data: India: Tamil Nadu, Nilgiri Hills. Holotype male (examined), by original designation. Type depository: Ottawa: Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ontario, Canada. Described: male. Illust.

DISTRIBUTION: **Oriental**: India (Tamil Nadu [Heraty2002]).

**Stilbula octodigitata Girault**

*Stilbula octo-digitata* Girault, 1929[431]: 333. Type data: Australia: West Australia, King George's Sound. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female.

*Stilbula octodigitata*; Dahms, 1986: 366-367.

*Stilbula octodigitata*; Bouček, 1988: 532.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species]; NaumanCaTa1994 [catalog].

DISTRIBUTION: **Australasian**: Australia.

**Stilbula oxiana Gussakovskii**

*Stilbula oxiana* Gussakovskii, 1940: 169. Type data: Uzbekistan. Syntype male deposited in Prague: National Museum (Natural History), Dept. Ent., Czech Republic.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Palearctic**: Uzbekistan [Gussak1940].

**Stilbula palawanensis Hedqvist**

*Stilbula palawanensis* Hedqvist, 1978: 246. Type data: Philippines: Palawan, Pinigisan. Holotype male, by original designation. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: male. Illust. Notes: Very close to *S. polyrachicida* (Wheeler & Wheeler). Type notes 4:6.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Oriental**: Philippines.

**Stilbula peduncularis Westwood**

*Stilbula peduncularis* Westwood, 1874: 155, pl.28. Type data: Australia: Victoria, Angus. Syntypes, unknown (examined). Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 682. Described: both sexes.

*Stilbula peduncularis*; Bouček, 1988: 532.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species]; NarendSh1996 [illustration-adult]; NarendSh1996 [illustration-adult].

DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty2002], South Australia [Heraty2002]).

**Stilbula peethavarna Narendran & Sheela**

*Stilbula peethavarna* Narendran & Sheela, 1996: 65-68. Type data: Thailand. Holotype female, by original designation. Type depository: Vienna: Naturhistorisches Museum Wien, Austria. Described: female.

Illust. Notes: The holotype has the label "Holotype Takao Formosa Sauter". The description states the type is a male, but the illustration is clearly of a female.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Oriental**: Thailand [NarendSh1996].

**Stilbula polyrachicida (Wheeler & Wheeler)**

*Schizaspidia polyrachicida* Wheeler & Wheeler, 1924: 49. Type data: Philippines: Luzon, Manila.

Unknown type status female, type designation unknown. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female.

*Stilbula polyrachicida*; Gahan, 1940: 435. Change of combination.

*Stilbula polyrachicida*; Hedqvist, 1978: 246.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Polyrachis Myrmhopta dives* F. Smith [WheeleWh1924].

CITATIONS: Baltaz1966b [catalog]; Heraty2002 [catalog]; NarendSh1996 [key to species]; NarendSh1996 [illustration-adult].

DISTRIBUTION: **Oriental**: Philippines (Luzon [WheeleWh1924]); Taiwan [new] [Heraty2002].

**Stilbula quinqueguttata (Girault)**

*Schizaspidia quinqueguttata* Girault, 1915[241]: 235-236. Type data: Australia: Queensland, Cairns District (Gordonvale). Holotype male. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.3288. Described: male.

*Stilbula quinqueguttata*; Hedqvist, 1978: 247. Change of combination.

*Schizaspidia quinqueguttata*; Dahms, 1986: 462.

*Stilbula quinqueguttata*; Bouček, 1988: 532.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915241]).

**Stilbula tadhika Nikolskaya**

*Stilbula tadhika* Nikolskaya, 1952: 208. Type data: Tadzhikistan. Unknown type status.

CITATIONS: Heraty2002 [catalog].

**Stilbula tanjorensis (Mani et al.)**

*Schizaspidia tanjorensis* Mani et al., 1974: 39. Type data: India: Tanjore. Unknown type status. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA.

*Stilbula tanjorensis*; Hedqvist, 1978: 247. Change of combination.

CITATIONS: GirishNa2007a [la., description-Adult, distribution]; Heraty2002 [catalog]; NarendSh1996 [key to species]; NarendSh1996 [illustration-adult].

DISTRIBUTION: **Oriental**: India (Kerala [GirishNa2007a], Tamil Nadu [GirishNa2007a], Tamil Nadu [Heraty2002]).

**Stilbula tonyi Narendran & Girish Kumar**

*Stilbula tonyi* Narendran & Girish Kumar, 2004: 1677-1679. Type data: Yemen, Al Lahima. Holotype male, by original designation. Type depository: Calcutta: Department of Zoology, Calcutta University, West Bengal, India; type no. GK 360. Described: male. Illust. Notes: Cited as a holotype female, but illustration is of a male.

DISTRIBUTION: **Afrotropical**: Yemen [NarendGi2004].

**Stilbula trimaculata (Cameron)**

*Schizaspidia trimaculata* Cameron, 1909b: 205-206. Type data: Malaysia: Sarawak, Kuching. Syntypes, male. Type depository: London: Natural History Museum, England; type no. 5.380. Described: female. Notes: Isogenotypic (no type was found labeled as *Schizaspidia trimaculata*).

*Etolada trimaculata*; Cameron, 1909c: 230-231. Described: male. Change of combination.

*Stilbula trimaculata*; Hedqvist, 1978: 244. Change of combination.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak? [Camero1909c, Camero1909b]); Philippines (Palawan [new]).

#### ***Stilbula ussuriensis* Gussakovskii**

*Stilbula ussuriensis* Gussakovskii, 1940: 169. Type data: Ussuri. Syntypes, both sexes. Type Depository: National Museum (Natural History), Dept. Ent., Czechoslovakia.

CITATIONS: Heraty2002 [catalog].

#### ***Stilbula viridiceps* Ferrière**

*Stilbula viridiceps* Ferrière, 1960: 7-8. Type data: Senegal: Cap Vert Islands, Boavista, Sal Rei. Unknown type status female. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Illust.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Afrotropical**: Senegal [Ferrie1960].

#### ***Stilbula vitripennis* Masi**

*Stilbula vitripennis* Masi, 1934a: 10-11. Type data: Cyprus [Is. Cipro]. Syntypes, female (examined). Type depository: Vienna: Naturhistorisches Museum Wien, Austria. Described: female. Notes: Bouček (1956b) states that original description was in Ann. Mus. Civ. St. nat. 57: 14-15.

*Stilbula vitripennis*; Bouček, 1952: 54. Illust. Subsequent description.

*Stilbula vitripennis*; Bouček, 1956b: 54. Described: male. Subsequent description.

CITATIONS: Heraty2002 [catalog]; Masi1934b [distribution].

DISTRIBUTION: **Palaearctic**: Cyprus; Israel [Boucek1956a]; Turkey [Masi1934a, Masi1934b, Boucek1951].

#### ***Stilbula yemenica* Narendran & Girish Kumar**

*Stilbula yemenica* Narendran & Girish Kumar, 2004: 1678-1679. Type data: Yemen, Al Lahima. Holotype male, by original designation. Type depository: Calcutta: Department of Zoology, Calcutta University, West Bengal, India; type no. GK 361. Described: male. Illust. Notes: Cited as a female holotype, but illustration is of a male, and likely a synonym with *S. tonyi*.

DISTRIBUTION: **Afrotropical**: Yemen [NarendGi2004].

#### ***Stilbuloida* Bouček**

*Stilbuloida* Bouček, 1988: 532-533. Type species: *Schizaspidia doddi* Bingham, by original designation.

*Stilbuloida*; Heraty, 2002: 257-259. Subsequent description.

#### ***Stilbuloida calomyrmecis* (Brues)**

*Schizaspidia calomyrmecis* Brues, 1934: 206-207. Type data: Australia: West Australia, Meekatharra.

Syntypes. Type depository: Cambridge: Museum of Comparative Zoology, Entomology Department, Harvard University, MA, USA. Described: female. Illust. Notes: Probably a female of *doddi* (Bouček, 1988).

*Stilbula calomyrmecis*; Gahan, 1940: 435. Change of combination.

*Stilbuloida calomyrmecis*; Bouček, 1988: 533. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Calomyrmex purpureus* Mayr [Brues1934].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Western Australia [Brues1934, Heraty2002]).

#### ***Stilbuloida doddi* (Bingham)**

*Schizaspidia doddi* Bingham, 1906: 123, 130. Type data: Australia: Queensland, Townsville. Holotype male (examined), by monotypy. Type depository: Oxford: Hope Entomological Collections, University Museum, England; type no. 49. Described: male.

*Schizaspidia doddi*; Girault, 1915[241]: 235. Described: male. Subsequent description. Notes: Bingham's description repeated.

*Kapala doddi*; Hedqvist, 1978: 533. Change of combination.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Camponotus* sp. [Bingha1906]

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Northern Territory [Heraty2002], Queensland [Bingha1906, Heraty2002], South Australia [Boucek1988]).

### **Striostilbula Bouček**

*Striostilbula* Bouček, 1988: 531. Type species: *Stilbula quadridigitata* Girault, by original designation.

#### **Striostilbula quadridigitata (Girault)**

*Stilbula quadridigitata* Girault, 1929[431]: 331-332. Type data: Australia: SA, Androssan. Holotype female, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: female. Notes: Description repeated by Girault (1915[241]:231).

*Stilbula quadridigitata*; Hedqvist, 1978: 247. Misspelling of species name.

*Stilbula quadridigitata*; Dahms, 1986: 454.

*Striostilbula quadridigitata*; Bouček, 1988: 531. Change of combination.

CITATIONS: Heraty2002 [catalog]; NarendSh1996 [key to species].

DISTRIBUTION: **Australasian**: Australia (Northern Territory [Heraty2002], Queensland [Boucek1988], South Australia [Giraul1929431, Heraty2002], Tasmania [Heraty2002]).

### **Substilbula Bouček**

*Substilbula* Bouček, 1988: 530-531. Type species: *Stilbula bidentata* Girault, by original designation.

*Substilbula*; Heraty, 2002: 263-264. Subsequent description.

KEYS: Heraty 2002: 264-265.

#### **Substilbula albipennis (Girault)**

*Stilbula albipennis* Girault, 1929[431]: 332. Type data: Australia: Northern Territory, Groote Eylandt.

Holotype female (examined), by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: female.

*Stilbula albipennis*; Dahms, 1983: 32.

*Substilbula albipennis*; Bouček, 1988: 531, f.958. Illust. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia.

#### **Substilbula australiana (Girault)**

*Stilbula australiana* Girault, 1913[175]: 93. Type data: Australia: Queensland, Mount Tambourine.

Holotype female, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: female.

*Stilbula australiana*; Girault, 1915[241]: 231-232. Described: female. Subsequent description. Notes: Description repeated.

*Stilbula australiana*; Dahms, 1983: 90.

*Substilbula australiana*; Bouček, 1988: 531. Change of combination. Notes: Probably same species as *bidentata*.

CITATIONS: Dahms1983 [nomenclature]; Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913175]).

#### **Substilbula bidentata (Girault)**

*Stilbula bidentata* Girault, 1913[175]: 92-93. Type data: Australia: Queensland, Mount Tambourine.

Holotype female, by original designation. Type depository: Adelaide: South Australian Museum, South Australia, Australia. Described: female.

*Stilbula bidentata*; Girault, 1915[241]: 231. Described: female. Subsequent description. Notes: Description repeated.

*Stilbula bidentata*; Dahms, 1983: 134.

*Substilbula bidentata*; Bouček, 1988: 531. Change of combination.

CITATIONS: Dahms1983 [nomenclature]; Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913175]).

**Substilbula pallidiclava (Girault)**

*Stilbula pallidiclava* Girault, 1934[442]: 1[306]. Type data: Australia: Queensland, Brisbane (Indooroopilly). Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9407. Described: female. Notes: Probably based on female of *bidentata* (Bouček, 1988).

*Stilbula pallidiclava*; Dahms, 1986: 377.

*Substilbula pallidiclava*; Bouček, 1988: 531. Illust. Change of combination. Notes: Probably based on female of *bidentata*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1934442]).

**Thoracantha Latreille**

*Thoracantha* Latreille, 1825: 447. Type species: *Thoracantha striata* Perty. Subsequently designated by Gahan and Fagan, 1923: 144. Notes: No species described by Latreille (1825, 1829). *Thoracantha latreillei* Guérin designated by Kirby (1886: 32) was not included in first reference so not eligible as type (Gahan & Fagan 1923: 144).

*Thoracanta*; Latreille, 1829: 297. Misspelling of genus name.

*Thoracantha*; Brullé, 1846: 572. Subsequent description.

*Uromelia* Kirby, 1886: 33. Type species: *Thoracantha striata* Perty, by original designation. Synonymy by Gahan & Fagan, 1923: 144.

*Lasionychnus* Shipp, 1894: 184. Type species: *Lasionychnus flabellatus* Westwood, by original designation. Synonymy by Ashmead, 1899[157]: 238.

*Galearia*; Ashmead, 1904[238]: 268, 270 (key).

*Uromelia*; Ashmead, 1904[238]: 268, 270 (in key). Subsequent description.

*Uromelia*; Gemignani, 1933: 482-483. Subsequent description.

*Thoracantha*; Heraty, 2002: 266-268. Subsequent description.

CITATIONS: Ashmea188845 [key to genera, nomenclature]; Ashmea1899157 [Tkg [as Uromelia]]; Ashmea1904238 [key to genera].

**Thoracantha anchura Walker new combination**

*Thoracantha anchurus* Walker, 1846: 88. Type data: Brazil: Santarem. Syntypes, male (examined). Type depository: London: Natural History Museum, England; type no. 5.629. Described: male.

*Kapala anchura*; Ashmead, 1904[238]: 472. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Ashmea1904238, Walker1846].

**Thoracantha spagazzinii (Gemignani) new combination**

*Uromelia spagazzinii* Gemignani, 1933: 483-485. Type data: Argentina: Salta, Tafí de Valle (Tucumán) or Catamarca, Huassan. Holotype female, by original designation. Type depository: Museo Argentina de Ciencias Naturales "Bernardino Rivadavia". Described: both sexes. Illust.

*Uromelia spagazzinii*; Gemignani, 1947: 9.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Neotropical**: Argentina (Salta [Gemign1933]).

**Thoracantha striata Perty**

*Thoracantha striata* Perty, 1833: 134, pl. 28. Type data: Brasil. Unknown type status female. Described: female. Illust. Notes: Type apparently lost (not in Musée National de Paris).

*Thoracantha flabellata* Westwood, 1835: 52. Type data: Brazil. Syntypes, unknown. Type depository: Copenhagen: Zoological Museum, University of Copenhagen, Dept. Ent., Denmark. Described: male. Synonymy by Ashmead, 1904[238]: 470. Notes: Incorrectly treated as a junior synonym of *Thoracantha aculeata* (Westwood 1874). Westwood likely chose *aculeata* as the senior name to avoid confusion with *Kapala* (= *Eucharis*) *flabellata* (Fabricius), but *flabellata* has priority.

*Thoracanta striata*; Blanchard, 1840: 257. Described: male. Misspelling of genus name.

*Thoracantha aculeata* Blanchard, 1849: pl. 113. Type data: Brazil. Unknown type status female.

Described: female. Illust. Synonymy by Ashmead, 1904[238]: 470. Notes: Published as an illustration

by Blanchard and later described and incorrectly treated as a senior synonym of *Thoracantha flabellata* Westwood. The type specimen was not found at the MNHP (should be labelled as "Du midi de la Capitainerie de Goyaz").

*Thoracantha aculeata* Westwood, 1874: 154. Type data: Brazil. Syntypes. Described: male. Illust.

Synonymy by Ashmead, 1904[238]: 470. Notes: Specimens identified by Westwood in UMOX (as type material of *aculeata*, are different species from those in the USNM that were used by Ashmead to make the synonymy with *striata*.

*Uromelia striata*; Kirby, 1886: 37. Change of combination.

*Lasionychus flabellatus*; Shipp, 1894: 188. Change of combination.

*Uromelia striata*; Gemignani, 1933: 482-483.

CITATIONS: Ashmead1904238 [catalog]; Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Neotropical**: Brazil [Perty1833].

#### **Thoracanthoides Girault**

*Thoracanthoides* Girault, 1928[422]: 4[224]. Type species: *Thoracanthoides albispina* Girault, by monotypy and original designation.

*Thoracanthoides*; Heraty, 2002: 269-271. Subsequent description.

#### **Thoracanthoides albispina Girault**

*Thoracanthoides albispina* Girault, 1928[422]: 4[224]. Type data: Australia: Queensland, Mareeba.

Lectotype male (examined), by subsequent designation Bouček, 1988: 535. Type depository:

Brisbane: Queensland Museum, Queensland, Australia; type no. T.8632. Described: male.

*Thoracanthoides albispina*; Dahms, 1983: 34-35.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1928422, Heraty2002]).

#### **Tricoryna Kirby**

*Metagea* Kirby, 1886: 30. Type species: *Eucharis zalates* Walker, by original designation. Synonymy by Bouček, 1988: 523.

*Tricoryna* Kirby, 1886: 29. Type species: *Eucharis iello* Walker, by original designation.

*Metagea*; Ashmead, 1888[45]: 187 (in key).

*Tricoryna*; Ashmead, 1888[45]: 187 (in key).

*Metagea*; Ashmead, 1904[238]: 267,269 (key).

*Tricoryna*; Ashmead, 1904[238]: 267, 269 (key).

*Prometagea* Girault, 1934[442]: 2[309]. Type species: *Prometagea minor* Girault. Subsequently designated by De Santis, 1961: 158. Synonymy by Bouček, 1988: 523.

*Propsilogaster* Girault, 1940[459]: 324. Type species: *Propsilogaster biclavata* Girault, by original designation.

*Tricoryna*; Heraty, 2002: 271-274. Subsequent description.

CITATIONS: Ashmead188845 [key to genera, nomenclature]; Ashmead1899157 [key to genera [as *Metagea*]]; Ashmead1904238 [key to genera].

#### **Tricoryna alcicornis (Bouček)**

*Propsilogaster alcicornis* Bouček, 1988: 524-525. Type data: Australia: New South Wales, Jerilderie.

Holotype male, by original designation. Type depository: BCRI. Described: male. Illust.

*Tricoryna alcicornis* Heraty, 2002: 274. Neotype female and larva, by **present designation**. Type

depository: Ithaca: Cornell University Insect Collection, Department of Entomology, Cornell University, NY, USA. Illust.

ASSOCIATIONS: Host - FORMICIDAE **Ponerinae**: *Rhytidoponera violacea* Forel [new].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Bouček1988], Queensland [Heraty2002], South Australia [Heraty2002]).

#### **Tricoryna biclavata (Girault)**

*Propsilogaster biclavata* Girault, 1940[459]: 324. Type data: Australia: Queensland, Watsonville.

Syntypes, female (examined). Type depository: Brisbane: Queensland Museum, Queensland,

Australia; type no. T.8686. Described: female. Notes: No mention of number of specimens in original description.

*Epimetegea biclavata*; Hedqvist, 1978: 243. Change of combination.

*Prosilogaster biclavata*; Dahms, 1983: 127.

*Prosilogaster biclavata*; Bouček, 1988: 525. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1940459]).

### **Tricoryna chalcoponerae Brues**

*Tricoryna chalcoponerae* Brues, 1934: 203-205. Type data: Australia: New South Wales, Mount Kosciusko. Syntypes. Type depository: Cambridge: Museum of Comparative Zoology, Entomology Department, Harvard University, MA, USA. Described: both sexes. Illust.

*Tricoryna chalcoponerae*; Bouček, 1988: 523.

ASSOCIATIONS: Hosts - FORMICIDAE **Ponerinae**: *Rhytidoponera metallica* (Smith) [Brues1934], *Rhytidoponera victoriae* [new].

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Brues1934]).

### **Tricoryna ectatommae Girault**

*Tricoryna ectatommae* Girault, 1915[241]: 228-229. Type data: Australia: Victoria, Melbourne. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female.

*Tricoryna ectatommae*; Girault, 1940[459]: 324. Misspelling of species name.

*Tricoryna ectatommae*; Dahms, 1983: 238.

*Tricoryna ectatommae*; Bouček, 1988: 524.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Rhytidoponera* sp. [Giraul1915241]

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Victoria [Giraul1915241]).

### **Tricoryna iello (Walker)**

*Eucharis iello* Walker, 1839: 12-13. Type data: Australia: Tasmania, Hobart. Lectotype male (examined), by subsequent designation Bouček, 1988: 524. Type depository: London: Natural History Museum, England; type no. 5.607. Described: male.

*Eucharis iello*; Walker, 1841: pl. P. Illust.

*Tricoryna iello*; Kirby, 1886: 29. Change of combination.

*Tricoryna iello*; Kirby, 1886: 30. Change of combination.

*Tricoryna jello*; Dalla Torre, 1898: 362. Misspelling of species name.

*Tricoryna iella*; Gahan & Fagan, 1923: 148. Misspelling of species name.

*Tricoryna iello*; Bouček, 1988: 524. Illust.

CITATIONS: Heraty2002 [catalog]; Walker1841anatomy; Walker1846 [catalog].

DISTRIBUTION: **Australasian**: Australia (Tasmania [Walker1839]).

### **Tricoryna kirbyi (Ashmead)**

*Metagea kirbyi* Ashmead, 1900[178]: 337-338. Type data: Australia: New South Wales, Gosford.

Lectotype female, by **present designation**. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 4886.

Described: female.

*Tricoryna kirbyi*; Bouček, 1988: 524. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Ashmea1900178], Queensland [Heraty2002]).

### **Tricoryna minor (Girault)**

*Prometegea minor* Girault, 1934[443]: 2[309]. Type data: Australia: Tasmania, Patrick River. Syntypes, female (examined). Type depository: Brisbane: Queensland Museum, Queensland, Australia.

Described: both sexes.

*Prometagea minor*; Dahms, 1984: 819.

*Tricoryna minor*; Bouček, 1988: 524. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Tasmania [Giraul1934443, Heraty2002]).

### **Tricoryna myrmicis Girault**

*Tricoryna myrmicis* Girault, 1940[459]: 324. Type data: Australia: Victoria. Unknown type status. Notes:

Type not found (Dahms 1984: 842).

*Tricoryna myrmicis*; Bouček, 1988: 524. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Victoria [Giraul1940459]).

### **Tricoryna offenbachi (Girault)**

*Prometagea offenbachi* Girault, 1934[443]: 2[309]. Type data: Australia: Queensland, Gympie. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9393. Described: female.

*Prometagea offenbachi*; Dahms, 1986: 367-368.

*Tricoryna offenbachi*; Bouček, 1988: 524. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia [Giraul1934443].

### **Tricoryna punctulativentris (Girault)**

*Metagea punctulativentris* Girault, 1928[422]: 3[223]. Type data: Australia: South Australia and Victoria, Bright. Syntypes, male (examined). Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: male.

*Metagea punctulativentris* Girault, 1929[431]: 335-336. Type data: Australia: South Australia. Homonym; discovered by Bouček, 1988: 524. Notes: Probably isotypic (Bouček, 1988).

*Metagea punctulativentris*; Dahms, 1986: 445.

*Tricoryna punctulativentris*; Bouček, 1988: 524. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Heraty2002], Victoria [Giraul1928422]).

### **Tricoryna rangiferina Heraty**

*Tricoryna rangiferina* Heraty, 2002: 276-277. Type data: Australia: Northern Territory, Manton Dam, 52 km SE by S of Darwin. Holotype male (examined), by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: male. Illust.

DISTRIBUTION: **Australasian**: Australia (Northern Territory [Heraty2002]).

### **Tricoryna reticulativentris (Girault)**

*Epimetagea reticulativentris* Girault, 1934[442]: 1[306]. Type data: Australia: Queensland, Forest Hill.

Syntypes, female. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9879. Described: female.

*Epimetagea reticulativentris*; Dahms, 1986: 474-475.

*Tricoryna reticulativentris*; Bouček, 1988: 524. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1934442]).

### **Tricoryna subsalebrosa Girault**

*Tricoryna subsalebrosa* Girault, 1915[241]: 229. Type data: Australia: Queensland, Brisbane. Holotype male, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: male.

*Tricoryna subsalebrosa*; Dahms, 1986: 570.

*Tricoryna subsalebrosa*; Bouček, 1988: 524. Notes: close to *iello*.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915241]).



**Tricoryna tuberculicornis (Girault)**

*Metagea tuberculicornis* Girault, 1915[241]: 225-226. Type data: Australia: Northern Territory, Darwin. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.3282. Described: female.

*Metagea tuberculicornis*; Dahms, 1986: 605.

*Tricoryna tuberculicornis*; Bouček, 1988: 524. Change of combination.

CITATIONS: Heraty2002 [catalog].

DISTRIBUTION: **Australasian**: Australia (Northern Territory [Giraul1915241]).

**Tricoryna zalates (Walker)**

*Eucharis zalates* Walker, 1839: 13. Type data: Australia: NSW: Sydney & WA: King George's Sound. Lectotype female, by subsequent designation Bouček, 1988: 524. Type depository: London: Natural History Museum, England; type no. 5.608. Described: female. Notes: Lectotype without gaster or locality label (Bouček, 1988).

*Eucharis zalates*; Walker, 1841: pl. P. Illust.

*Stilbula zalates*; Walker, 1871: 66. Change of combination.

*Metagea zalates*; Kirby, 1886: 30. Change of combination.

*Tricoryna zalates*; Bouček, 1988: 524. Change of combination.

CITATIONS: Heraty2002 [catalog]; Walker1846 [catalog].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Walker1839], Western Australia [Walker1839]).

**Zulucharis Heraty**

*Zulucharis* Heraty, 2002: 278-280. Type species: *Zulucharis naegela* Heraty, by original designation.

KEYS: Heraty 2002: 280.

**Zulucharis aphis Heraty**

*Zulucharis aphis* Heraty, 2002: 281. Type data: South Africa: Eastern Cape Prov., Port St. John.

Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

**Zulucharis campbelli Heraty**

*Zulucharis campbelli* Heraty, 2002: 282-283. Type data: South Africa: Transvaal, Mogoto Nature Reserve, nr Zebediela. Holotype female (examined), by original designation. Type depository: Pretoria: South African National Collection of Insects, South Africa. Described: both sexes.

ASSOCIATIONS: Host - FORMICIDAE **Formicinae**: *Camponotus* sp. [Heraty2002].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

**Zulucharis naegela Heraty**

*Zulucharis naegela* Heraty, 2002: 283-284. Type data: South Africa: Kwazulu Natal, M'fongosi. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

CITATIONS: Heraty2002 [description-Immatures].

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

**Zulucharis nodosa Heraty**

*Zulucharis nodosa* Heraty, 2002: 284-285. Type data: South Africa: Cape Province, Ceres. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

**Zulucharis pilosa Heraty**

*Zulucharis pilosa* Heraty, 2002: 285-286. Type data: South Africa: Gateung Prov., Suikerboasrand N.

Res., nr Heidelberg. Holotype female (examined), by original designation. Type depository: Pretoria: South African National Collection of Insects, South Africa. Described: female.

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DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

**Zulucharis prinslooii Heraty**

*Zulucharis prinslooii* Heraty, 2002: 286-288. Type data: Namibia: Windhoek, Hoffmung Fm. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: both sexes.

DISTRIBUTION: **Afrotropical**: Namibia (=Southwest Africa) [Heraty2002]; South Africa [Heraty2002].

**Zulucharis teretis Heraty**

*Zulucharis teretis* Heraty, 2002: 288. Type data: South Africa: Eastern Cape Prov., Grahamstown. Holotype female (examined), by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: South Africa [Heraty2002].

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### References

- Alfken, J.D. 1900. *Stilbula Knuthii*, eine neue javanische Eucharide (Chalcidoide). Entomologische Nachrichten 26: 191-192. [Alfken1900]
- Andriescu, I. 1968. Beitrag zur Kenntnis der Eucharitiden Rumäniens (Chalcidoidea, Hym., Insecta). Pages 225-241. in: Carausu, S.; Jitariu, P. (eds). Lucrarile sesiunii stiintifice a statiunii de cercetari marine "Prof. Ioan Borcea", Agigea. Iasi. [Andrie1968]
- Armas, L. F. de 2003. On two enigmatic organisms associated with some Mexican and Antillean scorpions. Revista Ibérica de Aracnología 7: 239-240. [Armas2003]
- Armas, L. F. de 2008. Identity of planidium larvae (Hymenoptera: Chalcidoidea) previously recorded on Antillean scorpions. Euscorpiones 66: 1-3. [Armas2008]
- Armas, L. F. de and de la Cruz, J. 1984. Foresis de insectos (Hymenoptera: Perilampidae) en escorpiones (Arachnida: Scorpiones). Miscelánea Zoológica 23: 3. [ArmasDe1984]
- Armas, L. F. de and Marcano Fondeur, E. de J. 1987. Nuevos escorpiones (Arachnida: Scorpiones) de República Dominicana. Poeyana 256: 1-24. [ArmasMa1987]
- Armas, L. F. de and Marcano Fondeur, E. de J. 1992. Nuevos alacranes de República Dominicana (Arachnida: Scorpiones). Poeyana 420: 1-36. [ArmasMa1992]
- Ashmead, W.H. 1885[29]. On the discovery of *Thoracantha*, a tropical genus of chalcid flies in Florida. Entomologica Americana 1: 95-96. [Ashmea188529]
- Ashmead, W.H. 1885[30]. Studies on North American Chalcididae, with descriptions of new species from Florida. Transactions of the American Entomological Society 12: 10-14. [Ashmea188530]
- Ashmead, W.H. 1888[45]. Descriptions of three new eucharids from Florida, with a generic table of the Eucharidae. Entomologica Americana 3: 186-188. [Ashmea188845]
- Ashmead, W.H. 1890[69]. On the Hymenoptera of Colorado; descriptions of new species, notes and a list of the species found in the state. Bulletin of the Colorado Biological Association 1: 1-47. [Ashmea189069]
- Ashmead, W.H. 1892[82]. Notes on the eucharids found in the United States. Proceedings of the Entomological Society of Washington 2: 354-358. [Ashmea189282]
- Ashmead, W.H. 1895[112]. Some parasitic Hymenoptera from Baja California and Tepic, Mexico. Proceedings of the California Academy of Science 5: 539-555. [Ashmea1895112]
- Ashmead, W.H. 1896[119]. Descriptions of new parasitic Hymenoptera (Paper No. 2). Transactions of the Entomological Society of America 23: 179-234. [Ashmea1896119]
- Ashmead, W.H. 1899[157]. On the genera of the Eucharidae. Proceedings of the Entomological Society of Washington 4: 235-242. [Ashmea1899157]
- Ashmead, W.H. 1900[178]. Notes on some New Zealand and Australian parasitic Hymenoptera, with descriptions of new genera and new species. Proceedings of the Linnean Society of New South Wales 25: 317-360. [Ashmea1900178]
- Ashmead, W.H. 1904[238]. Classification of the chalcid flies, or the superfamily Chalcidoidea, with descriptions of new species in the Carnegie Museum, collected in South America by Herbert H. Smith. Memoirs of the Carnegie Museum 1: i-ix, 225-551, pls. xxxi-xxxix. [Ashmea1904238]
- Ashmead, W.H. 1904[243]. Descriptions of new Hymenoptera from Japan. II. Journal of the New York Entomological Society 12: 146-165, pls vii,viii. [Ashmea1904243]
- Ayre, G.L. 1962. *Pseudometagea schwarzii* (Ashm.) (Eucharitidae: Hymenoptera), a parasite of *Lasius neoniger* Emery (Formicidae: Hymenoptera). Canadian Journal of Zoology 40: 157-164. [Ayre1962]
- Baltazar, C.R. 1961. New generic synonymies in parasitic Hymenoptera. Philippine Journal of Science 90: 391-395. [Baltaz1961]
- Baltazar, C.R. 1966a. Generic synonymy and new combinations in some Indo-Australian braconids and eucharitids (Hymenoptera). Pacific Insects 58: 217-220. [Baltaz1966a]
- Baltazar, C.R. 1966b. A catalogue of Philippine Hymenoptera (with bibliography, 1758-1963). Pacific Insects Monograph 8: 1-488. [Baltaz1966b]
- Bedel, M.L. 1895. Communications [une note sur un hyménoptère parasite des fourmis]. Bulletin de la Société Entomologique de France 4: 35. [Bedel1895]
- Berry, P.L. 1947. Oviposition habits and early stages of a eucharid (*Kapala* sp.) (Hymenoptera). Proceedings of the Entomological Society of Washington 49: 77-80. [Berry1947]
- Beshear, R.J. 1974. A chalcidoid planidium on thrips larvae in Georgia. Journal of the Georgia entomological Society 9: 265-266. [Beshea1974]

- Bingham, C.T. 1906. VIII. Notes upon some remarkable parasitic insects from North Queensland [by F.P. Dodd]; with an appendix containing descriptions of new species. 1. New species of Braconidae and Chalcididae from north Queensland bred by F.P. Dodd [125-130]. Transactions of the Entomological Society of London 44: 119-130. [Bingha1906]
- Blanchard, M.E. 1840. Histoire Naturelle des Insectes Orthoptères, Néuroptères, Hémiptères, Hyménoptères, Lépidoptères et Diptères par M. Émile Blanchard. Vol. 3. Paris. 672 pp. [Blanch1840]
- Blanchard, M.E. 1849. Le Règne Animal distribué d'après son organisation, pour servir de base à l'histoire naturelle des animaux, par Georges Cuvier. Part 14. Paris: Fortin & Masson. 118 pl. [Blanch1849]
- Bouček, Z. 1951. Results of the zoological science expedition of the national museum in Praha to Turkey. Acta Entomologica Musei Nationalis Pragae 27: 52-54. [Boucek1951]
- Bouček, Z. 1955. Chalcidogogické Poznámky III, Torymidae, Pteromalidae, Perilampidae a Eucharitidae. Acta Entomologica Musei Nationalis Pragae 30: 305-330. [Boucek1955]
- Bouček, Z. 1956a. A contribution to the knowledge of the Chalcididae, Leucospididae and Eucharitidae (Hymenoptera, Chalcidoidea) of the near east. Bulletin of the Research Council of Israel 5B: 227-259. [Boucek1956a]
- Bouček, Z. 1956b. A contribution to the biology of *Eucharis adscendens* (F.) (Hymenoptera). Vestník Československé Zoologické Společnosti Acta Societatis Zoologicae Bohemoslovenicae 20: 97-99. [Boucek1956b]
- Bouček, Z. 1977. A faunistic review of the Yugoslavian Chalcidoidea (parasitic Hymenoptera). Acta Entomologica Jugoslavica 13: 1-145. [Boucek1977]
- Bouček, Z. 1978. A generic key to Perilampinae (Hymenoptera, Chalcidoidea), with a revision of *Krobeinius* n. gen. and *Euperilampus* Walker. Entomologica Scandinavica 9: 299-307. [Boucek1978]
- Bouček, Z. 1988. Australasian Chalcidoidea (Hymenoptera). A Biosystematic Revision of Genera of Fourteen Families, with a Reclassification of Species. Wallingford: C.A.B. International. 832 pp. [Boucek1988]
- Bouček, Z. and Watsham, A. 1982. Description of a new eucharitid wasp (Hymenoptera: Chalcidoidea) from southern Africa. Journal of the Entomological Society of South Africa 45: 155-157. [BoučekWa1982]
- Brèthes, J. 1910(1911). Himenopteros Argentinos. Anales del Museo Nacional de Historia Natural de Buenos Aires 20: 205-316. [Brethe1910]
- Brèthes, J. 1916. Description de trois Hyménoptères du Chili. Acta entomologica bohemoslovaca 20: 26-28. [Brethe1916]
- Brèthes, J. 1927. Hyménoptères Sud-Américains du deutesches entomologisches institut: Terebrantia. Entomologische Mitteilungen 16: 319-335. [Brethe1927]
- Brimley, C.S. 1938. The Insects of North Carolina. Raleigh, N.C.: North Carolina Department of Agriculture. 560 pp. [Brimley1938]
- Brimley, C.S. 1942. Supplement to the Insects of North Carolina. Raleigh, N.C.: North Carolina Department of Agriculture. 39 pp. [Brimley1942]
- Bruce, C.T. 1907. Notes and descriptions of North American parasitic Hymenoptera. 4. Bulletin Wisconsin Natural History Society (new series) 5: 96-111. [Bruce1907]
- Bruce, C.T. 1919. A new chalcid-fly parasitic in the Australian bull-dog ant. Annals of the Entomological Society of America 12: 13-23. [Bruce1919]
- Bruce, C.T. 1934. Some new eucharitid parasites of Australian ants. Bulletin of the Brooklyn Entomological Society 29: 201-207. [Bruce1934]
- Brullé, M.A. 1846. A. LePeletier de Saint-Fargeau. Histoire Naturelle des Insectes par M. Le Conte. Hyménoptères. IV. Paris. 680 pp. [Brulle1846]
- Bürgis, H. 1988. Die Erzwespe *Stilbula cynipiformis*. Natur und Museum 118: 393-398. [Burgis1988]
- Burks, B.D. 1961. The species of *Pseudometagea* Ashmead (Hymenoptera, Eucharitidae). Entomological News 72: 253-257. [Burks1961]
- Burks, B.D. 1963. The Provancher types of Chalcidoidea (Hymenoptera). Canadian Entomologist 95: 1254-1263. [Burks1963]
- Burks, B.D. 1969. New Perilampidae (Hymenoptera: Chalcidoidea). Proceedings of the Entomological Society of Washington 71: 73-81. [Burks1969]

- Burks, B.D. 1979. Family Eucharitidae. Pages 875-878. *in*: Krombein, K.V.; Hurd, B; Smith, D.R; Burks, B.D. Catalog of Hymenoptera in America North of Mexico, Vol. 1. Washington: Smithsonian Institution Press. 1198 pp. [Burks1979]
- Buys, S. C., Cassaro, R. and Salomon, D. 2010. Biological observations on *Kapala* Cameron 1884 (Hymenoptera Eucharitidae) in parasitic association with *Dinoponera lucida* Emery 1901 (Hymenoptera Formicidae) in Brazil. *Tropical Zoology* 23: 29-34. [BuysCaSa2010]
- Cameron, P. 1884. Hymenoptera (Families Tenthredinidae-Chrysididae). Goodman, F.D.; Salvin, D. *Biologia centrali-americana. Insecta Hymenoptera*. London: Taylor and Francis. 1: 1-487 + 20 pls. [Camero1884]
- Cameron, P. 1891. Hymenopterological Notices. II. Two new species of Eucharinae. *Memoirs and Proceedings of the Manchester Literary and Philosophy Society* 4: 182-194, pl 1. [Camero1891]
- Cameron, P. 1904. New Hymenoptera mostly from Nicaragua. *Invertebrata Pacifica* 1: 46-69. [Camero1904]
- Cameron, P. 1907. Descriptions of species of parasitic Hymenoptera, chiefly in the collection of the South African Museum, Cape Town. *Annals of the South African Museum (Cape Town)* 5: 203-225. [Camero1907]
- Cameron, P. 1908. Hymenoptera, IV. [Percy Sladen Trust expedition]. *Transactions of the Linnean Society* 12: 69-86. [Camero1908]
- Cameron, P. 1909a. A contribution to the knowledge of the parasitic Hymenoptera of Argentina. *Transactions of the Entomological Society of America* 35: 419-450. [Camero1909a]
- Cameron, P. 1909b. Descriptions of three undescribed species of Chalcididae from Borneo. *Deutsche Entomologische Zeitschrift* 1909: 205-207. [Camero1909b]
- Cameron, P. 1909c. On two new genera and seven species from Borneo. *Entomologist* 42: 229-234. [Camero1909c]
- Cameron, P. 1913. The Hymenoptera of the Georgetown Museum, Part V. *Journal of Royal Agricultural Society, Demerara* 3: 105-137. [Camero1913]
- Ceballos, G. 1942. Las tribus de los Himenópteros de España. *Consejo Superior de Investigaciones Científicas* 421 pp. [Ceball1942]
- Clausen, C.P. 1923. The biology of *Schizaspidia tenuicornis* Ashmead, a eucharid parasite of *Camponotus*. *Annals of the Entomological Society of America* 16: 195-217, 2 pls. [Clause1923]
- Clausen, C.P. 1928. The manner of oviposition and the planidium of *Schizaspidia manipurensis* n. sp. (Hymenoptera, Eucharidae). *Proceedings of the Entomological Society of Washington* 30: 81-85. [Clause1928]
- Clausen, C.P. 1940a. The immature stages of the Eucharidae. *Proceedings of the Entomological Society of Washington* 42: 161-170. [Clause1940a]
- Clausen, C.P. 1940b. The oviposition habits of the Eucharidae (Hymenoptera). *Journal of the Washington Academy of Sciences* 30: 504-516. [Clause1940b]
- Clausen, C.P. 1941. The habits of the Eucharidae. *Psyche* 48: 57-69. [Clause1941]
- Cockerell, T.D.A. 1899. The first list of the hymenopter families Tenthredinidae, Siricidae, Chrysididae, Proctotrupidae, Cynipidae, Chalcidae and Braconidae collected in North Mexico. *Transactions of the Kansas Academy of Science* 16: 212-216. [Cocker1899]
- Cook, O.F. 1905. The social organization and breeding habits of the cotton protecting kelep of Guatemala. *United States Department of Agriculture Bureau of Entomology Technical Bulletin* 4: 15. [Cook1905]
- Crawford, T.C. 1914. Two new parasitic Hymenoptera from Arizona. *Proceedings of the Entomological Society of Washington* 16: 29. [Crawfo1914]
- Crevecour, F. 1922. Additions to the list of Kansas Hymenoptera. *Transactions of the Kansas Academy of Science* 30: 385-388. [Crevec1922]
- Dahms, E.C. 1978. A checklist of the types of Australian Hymenoptera described by Alexandre Arsene Girault: I. introduction, acknowledgements, biography, bibliography and localities. *Memoirs of the Queensland Museum* 19: 127-190. [Dahms1978]
- Dahms, E.C. 1983. A checklist of the types of Australian Hymenoptera described by Alexandre Arsene Girault: II. preamble and Chalcidoidea species A-E with advisory notes. *Memoirs of the Queensland Museum* 21: 1-255. [Dahms1983]

- Dahms, E.C. 1984. A checklist of the types of Australian Hymenoptera described by Alexandre Arsene Girault: III. Chalcidoidea species F-M with advisory notes. *Memoirs of the Queensland Museum* 21: 579-842. [Dahms1984]
- Dahms, E.C. 1986. A checklist of the types of Australian Hymenoptera described by Alexandre Arsene Girault: IV. Chalcidoidea species N-Z and genera with advisory notes plus addenda and corrigenda. *Memoirs of the Queensland Museum* 22: 319-739. [Dahms1986]
- Dalla Torre, K.W.v. 1898. *Catalogus Hymenopterorum hucusque descriptorum systematicus et synonymicus*. Vol. V. Leipzig. 598 pp. [DallaT1898]
- Darling, D.C. 1988. Comparative morphology of the labrum in Hymenoptera: the digitate labrum of Perilampidae and Eucharitidae (Chalcidoidea). *Canadian Journal of Zoology* 66: 2811-2835. [Darlin1988]
- Darling, D.C. 1992. The life history and larval morphology of *Aperilampus* (Hymenoptera: Chalcidoidea: Philomidae), with a discussion of the phylogenetic affinities of the Philomidae. *Systematic Entomology* 17: 331-339. [Darlin1992]
- Das, G.M. 1954. Sewing blight. Two and a bud 1: 12. [Das1954]
- Das, G.M. 1963. Preliminary studies on the biology of *Oraesema assectator* Kerrich (Hymenoptera: Eucharitidae) parasitic on *Pheidole* and causing damage to leaves of tea in Assam. *Bulletin of Entomological Research* 54: 393-398. [Das1963]
- Davis, L.R. Jr. and Jouvenaz, D.P. 1990. *Obeza floridana*, a parasitoid of *Camponotus abdominalis floridanus* from Florida (Hymenoptera: Eucharitidae, Formicidae). *Florida Entomologist* 73: 335-337. [DavisJo1990]
- De La Mora, A. and Philpott, S.M. 2010. Wood-nesting ants and their parasites in forests and coffee agroecosystems. *Environmental Entomology* 39: 1473-1481. [DeLaMoPh2010]
- De Santis, L. 1950. Lista de sinonimas establecidas para los generos de Chalcidoidea. *Revista del Museo de La Plata (Nueva Serie)* 37: 47-67. [DeSant1950]
- De Santis, L. 1967a. Catálogo de los Himenópteros Argentinos de la Serie Parasítica, incluyendo Bethyloidea. La Plata: Comm. Invest. cient. Pr.. 337 pp. [DeSant1967a]
- De Santis, L. 1967b. Los estudios calcidológicos en Europa (Hymenoptera: Chalcidoidea): impresiones de un viaje. Comisión de Investigación Científica, La Plata 12 pp. [DeSant1967b]
- De Santis, L. 1968. Una nueva especie de "*Oraesema*" del Uruguay (Hymenoptera: Eucharitidae). *Revista Sociedad entomología Argentina* 31: 1-3. [DeSant1968]
- De Santis, L. 1969. Anotaciones sobre calcidoideos argentinos, III (Hymenoptera). *Revista Sociedad entomológica Argentina* 31: 121-125. [DeSant1969]
- De Santis, L. 1971. Anotaciones sobre calcidoideos argentinos, V (Hymenoptera). *Revista Sociedad entomológica Argentina* 33: 7-11. [DeSant1971]
- De Santis, L. 1973. Sobre himenopteros parasitos de Brazil y Argentinos. *Acta Biologica Paraná, Curitiba* 2: 41-50. [DeSant1973]
- De Santis, L. 1979. Catálogo de los himenopteros calcidoideos de America al sur de los Estados Unidos. Comisión de Investigaciones científicas, Provincia de Buenos Aires 488 pp. [DeSant1979]
- De Santis, L. 1981(1983). Catálogo de los Himenopteros Calcidoideos de America al sur de los Estados Unidos. Primer suplemento. *Revista Peruana de Entomología* 24: 1-38. [DeSant1981]
- De Santis, L. 1989. Catálogo de los Himenopteros Calcidoideos (Hymenoptera) al sur de los Estados Unidos. Segundo suplemento. *Acta Entomologica Chilena* 15: 9-90. [DeSant1989]
- Domenichini, G. 1953. Studio sulla morfologia dell'addome degli Hymenoptera Chalcidoidea. *Bollettino di Zoologia Agraria e Bachicoltura* 19: 1-116. [Domeni1953]
- Enderlein, G. 1912. Zur Kenntnis der Chalcididen Ceylons (Hymenoptera). *Entomologische Mitteilungen* 1: 144-148. [Enderl1912]
- Erdős, J. 1955. *Studia chalcidologica hungarica*. *Annales Historico-naturales, Musei nationalis Hungarica, Budapest* 6: 285-300, 10 figs. [Erdos1955]
- Evans, H.E. 1966. *Life on a Little-known Planet*. New York: Dell. 318 pp. [Evans1966]
- Fabricius, J.H. 1787. *Mantissa Insectorum*, Vol. 1. Copenhagen: Hafniae. 348 pp. [Fabric1787]
- Fabricius, J.H. 1805(1804). *Systema Piezatorum*. *Brunsvigae: Carolum Reichard*. 2:xiv+30+440pp. [Fabric1805]
- Fahringer, J. 1922. Beiträge zur Kenntnis der Lebensweise einiger Chalcididen. *Zeitschrift für wissenschaftliche Insectenbiologie* 17: 41-47. [Fahrin1922]

- Fahring, J. and Tölg, F. 1912. Beiträge zur Kenntnis der Lebensweise und Entwicklungsgeschichte einiger haufliegen. Verhandlungen naturhistorischen Vereines der preussischen Rheinlande und Westfalens 50: 242-269. [FahrinTö1912]
- Fernando, W. 1957. Contributions to a knowledge of the insects of Ceylon, 5. New parasitic Hymenoptera. Ceylon Journal of Science 25: 209-219, 2 pls. [Fernan1957]
- Ferrière, C. 1960. Chalcidiens des yles du Cap Vert. Societas Scientiarum Fennica, Commentationes Biologicae 23: 3-18. [Ferrie1960]
- Ferrière, C. 1968. Notes sur quelques chalcidiens nouveaux ou peu connus (Hymenoptera). Mitteilungen Schweizerischen Entomologischen Gesellschaft 40: 240-248. [Ferrie1968]
- Fiala, J. 1930. Novè nálezy hmyzi fauny na. Moravi. Sbornik Klubu Prirodovedeckeho Brno 12: 47. [Fiala1930]
- Foerster, A. 1859. Zeite centurie neuer Hymenopteren. Verhandlungen naturhistorischen Vereines der preussischen Rheinlande und Westfalens 16: 87-124. [Foerst1859]
- Forel, A. 1890. Un parasite de la *Myrmecia forficata* Fabr. Annales de la Société Entomologique de Beligues, Comptes Rendus 20: viii-x. [Forel1890]
- Fullaway, D.T. 1913. Report on a collection of Hymenoptera made in Guam, Marianne Islands. Proceedings of the Hawaiian Entomological Society 2: 282-290. [Fullaw1913]
- Fullaway, D.T. 1939(1940). New species from the Bishop Museum collection of Samoan parasitic Hymenoptera. Proceedings of the Hawaiian Entomological Society 10: 399-410. [Fullaw1939]
- Gahan, A.B. 1940. A contribution to the knowledge of Eucharidae (Hymenoptera: Chalcidoidea). Proceedings of the United States National Museum 88 (3086): 425-458. [Gahan1940]
- Gahan, A.B. and Fagan, M.M. 1923. The type species of the genera of Chalcidoidea or chalcid-flies. Bulletin of the United States National Museum 124: 1-173. [GahanFa1923]
- Gahan, A.B. and Rohwer, S.A. 1917. Lectotypes of the species of Hymenoptera (except Apoidea) described by Abbé Provancher. Canadian Entomologist 49: 391-400. [GahanRo1917]
- Gemignani, E.V. 1933. La familia Eucharidae (Hym. Chalcidoidea) en la republica Argentina. Anales del Museo Nacional de Historia Natural de Buenos Aires 37: 277-294. [Gemign1933]
- Gemignani, E.V. 1937. Nueva nota sobre la familia Eucharidae (Hymenoptera: Chalcidoidea). Anales del Museo nacional de Historia Natural, Buenos Aires 39: 159-166. [Gemign1937]
- Gemignani, E.V. 1947. Nuevas especies de la familia Eucharidae (Insecta, Hymenoptera, Chalcidoidea). Comunicaciones del Museo Argentino de Ciencias naturales "Bernardino Rivadavia" 1: 1-15. [Gemign1947]
- Ghesquière, J. 1946. Contributions à l'étude des Microhyménoptères du Congo belge, X-XI. Revue de Zoologie et de Botanique Africaines 39: 367-373. [Ghesqu1946]
- Girault, A.A. 1911[88]. New chalcidoid genera and species from Paraguay. Zoologische Jahrbücher 31: 377-406. [Giraul191188]
- Girault, A.A. 1913[148]. Some new Australian genera in the hymenopterous families Eurytomidae, Perilampidae, Eucharididae and Cleonymidae. Canadian Entomologist 45: 220-238. [Giraul1913148]
- Girault, A.A. 1913[156]. New genera and species of chalcidoid Hymneoptera from north Queensland. Archiv für Naturges 79 AH6: 46-47. [Giraul1913156]
- Girault, A.A. 1913[157]. More new genera and species of chalcidoid Hymenoptera from Paraguay. Archiv für Naturges 79 AH6: 60-63. [Giraul1913157]
- Girault, A.A. 1913[159]. Diagnoses of new chalcidoid Hymenoptera from Queensland, Australia. Archiv für Naturges 79 AH6: 90-101. [Giraul1913159]
- Girault, A.A. 1913[175]. New genera and species of chalcidoid Hymenoptera from the South Australian Museum, Adelaide. Transactions of the Royal Society of South Australia 37: 67-115. [Giraul1913175]
- Girault, A.A. 1915[241]. Australian Hymenoptera Chalcidoidea - X. Memoirs of the Queensland Museum 4: 225-237. [Giraul1915241]
- Girault, A.A. 1916[300]. New species of parasitic Hymenoptera. Bulletin of the Brooklyn Entomological Society 11: 111-113. [Giraul1916300]
- Girault, A.A. 1920[354]. New serphidoid, cynipoid and chalcidoid Hymenoptera. Proceedings of the United States National Museum 58 (2332): 177-216. [Giraul1920354]
- Girault, A.A. 1922[361]. New chalcid flies from eastern Australia (Hymenoptera) - II. Insecutor Inscitiae Menstruus 10: 100-108. [Giraul1922361]
- Girault, A.A. 1926[399]. Notes and descriptions of Australian chalcidflies (Hymenoptera). Insecutor Inscitiae Menstruus 14: 58-73, 127-133. [Giraul1926399]

- Girault, A.A. 1928[422]. Some new hexapods stolen from authority (Privately publ., 4 pp.). In Gordh et al. (1979). *Memoirs of the American Entomological Institute* 28: 221-224. [Giraul1928422]
- Girault, A.A. 1928[425]. Some new Philippine chalcid flies. *Philippine Journal of Science* 36: 449-453. [Giraul1928425]
- Girault, A.A. 1929[431]. Notes on and descriptions of chalcid wasps in the South Australian Museum. *Transactions of the Royal Society of South Australia* 53: 309-346. [Giraul1929431]
- Girault, A.A. 1932[437]. New pests from Australia X (Privately publ., 6 pp.). in: Gordh et al. (1979). *Memoirs of the American Entomological Institute* 28: 286-291. [Giraul1932437]
- Girault, A.A. 1932[439]. New lower Hymenoptera from Australia and India (Privately publ., 6 pp.). in: Gordh et al. (1979). *Memoirs of the American Entomological Institute* 28: 293-298. [Giraul1932439]
- Girault, A.A. 1934[442]. Eucharitidae, Cynipidae, Proctotrypidae et Thysanoptera nova Australiensis (Privately publ., 2 pp.). in: Gordh et al. (1979). *Memoirs of the American Entomological Institute* 28: 306-307. [Giraul1934442]
- Girault, A.A. 1934[443]. Miridae et Hymenoptera Nova Australiensis (Privately publ., 3 pp.). in: Gordh et al. (1979). *Memoirs of the American Entomological Institute* 28: 308-310. [Giraul1934443]
- Girault, A.A. 1936[447]. Terror-errors; and novitates of Pterygota (or Earth realities not state-bound) (Privately. publ., 3 pp.). in: Gordh et al. (1979). *Memoirs of the American Entomological Institute* 28: 323-325. [Giraul1936447]
- Girault, A.A. 1937[448]. New naturals, unorthodoxies and non-pollutions viz. new hexapods (Privately publ., 3 pp.). in: Gordh et al. (1979). *Memoirs of the American Entomological Institute* 28: 326-328. [Giraul1937448]
- Girault, A.A. 1940[459]. New genera and species of Australian Elasmidae and Eucharitidae. *Rev. Soc. ent. Argentina* 10: 321-326. [Giraul1940459]
- Girish Kumar, P. and Narendran, T.C. 2007a. New record of *Stilbula tanjorensis* (Mani & Dubey) (Hymenoptera: Eucharitidae) from Kerala, India. *Zoos' Print Journal* 22: 2869. [GirishNa2007a]
- Girish Kumar, P. and Narendran, T.C. 2007b. First record of *Cherianella narayani* Narendran (Hymenoptera: Eucharitidae) from Kerala, India. *Record of the Zoological Society of India* 107(4): 123-125. [GirishNa2007b]
- Girish Kumar, P. and Narendran, T.C. 2007c. A new species of *Orasema* Cameron (Hymenoptera: Eucharitidae) of Indian subcontinent. *Journal of Environment and Sociobiology* 4: 149-153. [GirishNa2007c]
- Girish Kumar, P. and Narendran, T.C. 2008a. A new species of *Stilbula* Spinola (Hymenoptera: Eucharitidae) from Karnataka, India. *Journal of Environment and Sociobiology* 5: 113-117. [GirishNa2008a]
- Girish Kumar, P. and Narendran, T.C. 2008b. A new species of *Ancylotropus* Cameron (Hymenoptera: Eucharitidae) from India. *Record of the Zoological Survey of India* 108: 91-95. [GirishNa2008b]
- Girish Kumar, P., Narendran, T.C. and Rajmohana, K. 2008. A study on the taxonomy of the rare genus *Philomides* Haliday (Hymenoptera: Perilampidae) of Indian subcontinent. *Record of the Zoological Survey of India* 108(2): 123-128. [GirishNaRa2008]
- Girish Kumar, P., Sheela, S. and Kazmi, S.I. 2007. First record of *Orasema delhiensis* Narendran and Girish Kumar (Hymenoptera: Eucharitidae) from Uttar Pradesh, India. *Record of the Zoological Survey of India* 107(4): 127-128. [GirishShKa2007]
- Gordh, G., Menke, A.S., Dahms, E.C. and Hall, J.C. 1979. The privately printed papers of A.A. Girault. *Memoirs of the American Entomological Institute* 28: 1-400. [GordhMeDa1979]
- Graham, M.W.R. de V. 1969. The Pteromalidae of north-western Europe (Hymenoptera: Chalcidoidea). *Bulletin of the British Museum (Natural History), Entomology* 14: 1-908. [Graham1969]
- Guérin-Méneville, F.E. 1845(1838). *Iconographie du Règne Animal de G. Cuvier, Insectes*. 576 pp. [Guerin1845]
- Gussakovsky, V.V. 1940. Notes sur les espèces paléarctiques d'Eucharidinae (Hymenoptera, Chalcididae). *Trudy Instituta Zoologii Akademia, URSS* 1: 150-170. [Gussak1940]
- Haliday, A.H. 1862. Caractères de deux nouveaux genres d'Hyménoptères de la famille des Chalcididae (*Philomides* et *Chirolophus*) de la collection du Docteur Sichel. *Annales de la Société Entomologique de France* 2: 115-118. [Halida1862]
- Hayat, M. 2000. Notes on the genus *Indosema* (Hymenoptera: Eucharitidae), with record of male of *I. indica*. unpublished manuscript 6 pp. with figs. [Hayat2000]



- Hedqvist, K.J. 1978. Some Chalcidoidea collected in the Philippines, Bismark and Solomon Islands, II Eucharitidae, with keys and check-lists to Indo-Australian genera (Insecta, Hymenoptera). *Steenstrupia* 4: 227-248. [Hedqvi1978]
- Heraty, J.M. 1985. A revision of the Nearctic Eucharitinae (Hymenoptera: Chalcidoidea: Eucharitidae). *Proceedings of the entomological Society of Ontario* 85: 61-103. [Heraty1985]
- Heraty, J.M. 1986. *Pseudochalcura* (Hymenoptera: Eucharitidae): a New World genus parasitic upon ants. *Systematic Entomology* 11: 183-212. [Heraty1986]
- Heraty, J.M. 1989. Morphology of the mesosoma of *Kapala* (Hymenoptera: Eucharitidae) with emphasis on its phylogenetic implications. *Canadian Journal of Zoology* 67: 115-125. [Heraty1989]
- Heraty, J.M. 1992. Revision of the genera *Gollumiella* Hedqvist and *Anorasema* Bouček (Hymenoptera: Eucharitidae). *Invertebrate Taxonomy* 6: 583-604. [Heraty1992]
- Heraty, J.M. 1994a. Classification and evolution of the Oraseminae in the Old World, with revisions of two closely related genera of Eucharitinae (Hymenoptera: Eucharitidae). *Life Sciences Contributions, ROM* 157: 174 pp. [Heraty1994a]
- Heraty, J.M. 1994b. Biology and importance of two eucharitid parasites of *Wasmannia* and *Solenopsis*. Pages 104-120 *in*: Williams, D. (ed). *Exotic Ants: Biology, Impact and Control of Introduced Species*. Boulder, CO: Westview Press. 332 pp. [Heraty1994b]
- Heraty, J.M. 1995. Family Eucharitidae. Pages 309-314. *in*: Gauld, I.D.; Hanson, P. *Hymenoptera of Costa Rica*. Oxford: Oxford University Press. 893 [Heraty1995]
- Heraty, J.M. 1997. Family Eucharitidae. Pages 321-326. *in*: Gibson, G.A.P., Huber, J. and J.B. Woolley. *Annotated Keys to the Chalcidoidea of North America* Ottawa: National Research Council. 794 [Heraty1997]
- Heraty, J.M. 1998. The genus *Dilocantha* (Hymenoptera: Eucharitidae). *Proceedings of the Entomological Society of Washington* 100: 72-87. [Heraty1998]
- Heraty, J.M. 2000. Phylogenetic relationships of Oraseminae. *Annals of the Entomological Society of America* 93: 374-390. [Heraty2000]
- Heraty, J.M. 2002. A revision of the genera of Eucharitidae (Hymenoptera: Chalcidoidea) of the World. *Memoirs of the American Entomological Society* 68: 1-359. [Heraty2002]
- Heraty, J.M. 2004. Three new species of *Gollumiella* Hedqvist (Hymenoptera: Eucharitidae). *Zootaxa* 497: 1-10. [Heraty2004]
- Heraty, J.M. 2005. A revision of the genus *Isomeralla* (Hymenoptera: Eucharitidae). *Acta Societatis Zoologicae Bohemicae* 69: 137-145. [Heraty2005]
- Heraty, J.M. 2006a. Familia Eucharitidae, Capitulo 73. Pages 709-715 *in*: Sharkey, M. and Fernandez, F. *Introduccion a los Hymenoptera de la Region Neotropical (Neotropical Hymenoptera)*. Bogota: Universidad Nacional de Colombia. 893. [Heraty2006a]
- Heraty, J.M. 2006b. Familia Eucharitidae. Pages 351-356 *in*: Hanson, P. and Gauld, I.D. *Hymenoptera de la Région Neotropical Gainesville: Memoirs of the American Entomological Institute*. 77: 280-293 [Heraty2006b]
- Heraty, J.M. and Barber, K.N. 1990. Biology of *Obeza floridana* and *Pseudochalcura gibbosa* (Hymenoptera: Eucharitidae). *Proceedings of the Entomological Society of Washington* 92: 248-258. [HeratyBa1990]
- Heraty, J.M. and Darling, D.C. 1984. Comparative morphology of the planidial larvae of Eucharitidae and Perilampidae (Hymenoptera: Chalcidoidea). *Systematic Entomology* 9: 309-328. [HeratyDa1984]
- Heraty, J.M. and Darling, D.C. 2009. Fossil Eucharitidae and Perilampidae (Hymenoptera: Chalcidoidea) from Baltic Amber. *Zootaxa* 2306: 1-16. [HeratyDa2009]
- Heraty, J.M., Hawks, D., Kostecki, J.S. and Carmichael, A. 2004. Phylogeny and behavior of the Gollumiellinae, a new subfamily of the ant-parasitic Eucharitidae (Hymenoptera: Chalcidoidea). *Systematic Entomology* 29: 1-16. [HeratyHaKo2004]
- Heraty, J.M., Heraty, J.M. and Torrén, J. 2009. A new species of *Pseudochalcura* (Hymenoptera, Eucharitidae), with a review of antennal morphology from a phylogenetic perspective. *Zookeys* 20: 215-231. [HeratyHeTo2009]
- Heraty, J.M. and Woolley, J.B. 1993. Separate species or polymorphism: a recurring problem in *Kapala* (Hymenoptera: Eucharitidae). *Annals of the Entomological Society of America* 86: 517-531. [HeratyWo1993]

- Heraty, J.M., Wojcik, D.P. and Jouvenaz, D.P. 1993. Species of *Orasema* parasitic on the *Solenopsis saevissima*-complex in South America (Hymenoptera: Eucharitidae, Formicidae). *Journal of Hymenoptera Research* 2: 169-182. [HeratyWoJo1993]
- Hoffer, A. and Nowicky, S. 1954. Families Eucharitidae and Perilampidae (Hym., Chalcidoidea) in Czechoslovakia. *Acta Entomologica Musei Nationalis Pragae* 29: 105-112. [HofferNo1954]
- Howard, L.O. 1894. Report on the Chalcididae of the subfamilies Chalcidinae, Eucharinae, Perilampinae, Encyrtinae, Aphelininae, Pireninae, Elasmrinae and Elachistinae. *Journal of the Linnean Society of London, Zoology* 25: 84-85. [Howard1894]
- Howard, L.O. 1895. Descriptions of North American Chalcididae from the collections of the U.S. Department of Agriculture and of Dr. C.V. Riley, with biological notes [first paper], together with a list of the described North American species of the family. *United States Department of Agriculture, Bulletin* 5: 1-47. [Howard1895]
- Howard, L.O. 1896. On the Chalcididae of the islands of Grenada, B.W.I. *Journal of the Linnean Society* 26: 129-178. [Howard1896]
- Howard, R.W., Pérez-Lachaud, G. and Lachaud, J.-P. 2001. Cuticular hydrocarbons of *Kapala sulcifacies* (Hymenoptera: Eucharitidae) and its host, the Ponerine ant *Ectatomma ruidum* (Hymenoptera: Formicidae). *Annals of the Entomological Society of America* 94: 707-716. [HowardPeLa2001]
- Husain, T. and Agarwal, M.M. 1982. Studies on some aphelinid (Hym.: Chalcidoidea) parasites of hemipterous insects of India. *Journal of the Bombay Natural History Society* 40: 103-107. [HusainAg1982]
- Ishii, T. 1932. Some Philippine eucharids with notes on their oviposition habits. *Bulletin of the Imperial agricultural Experiment Station, Nishigahara* 3: 203-212. [Ishii1932]
- Ishii, T. 1935. Insects of Jehol (VII) Superfamily Chalcidoidea. Report of the First scientific Expedition to Manchoukuo, Tokyo Section V, article 59: 1-7, pl. 1. [Ishii1935]
- Ishii, T. 1938. Descriptions of six new species belonging to the Aphelininae from Japan. *Kontyu* 12: 27-32. [Ishii1938]
- Ishii, T. 1941. Notes on some chalcidoids from the Micronesian Islands with descriptions of two new eucharids. *Annotationes Zoologicae Japonenses* 20: 106-108. [Ishii1941]
- Ishii, T. 1956. Some very rare wasps belonging to the Chalcidoidea with descriptions of one new species. *Kontyu* 24: 31-33. [Ishii1956]
- Ishii, T. and Nagasawa, S. 1941. Description of a new eucharid from Palau Islands. *Tenthredo* 3: 291-294. [IshiiNa1941]
- Janet, C. 1897. Études sur les fourmis, les guêpis, et les abeilles, note 14. Rapport des animaux myrmécophiles avec les fourmis. *Limoges*. 99 pp. [Janet1897]
- Johnson, D.W. 1988. Eucharitidae (Hymenoptera: Chalcidoidea): biology and potential for biological control. *Florida Entomologist* 71: 528-537. [Johnso1988]
- Johnson, J.B., Miller, T.D., Heraty, J.M. and Merickel, F.W. 1986. Observations on the biology of two species of *Orasema* (Hymenoptera: Eucharitidae). *Proceedings of the Entomological Society of Washington* 88: 542-549. [JohnsoMiHe1986]
- Kerrich, G.J. 1956. A systematic study of the parasite complex of the Karroo caterpillar, *Loxostege frustulata* Zell. (Perilampidae and Ichneumonidae, Hymenoptera). *Journal of the Entomological Society of South Africa* 19: 118-127. [Kerric1956]
- Kerrich, G.J. 1963. Descriptions of two species of Eucharitidae damaging tea, with comparative notes on other species (Hymenoptera: Chalcidoidea). *Bulletin of Entomological Research* 54: 365-371. [Kerric1963]
- Kieffer, J.J. 1904. Neue Eucharinae and Chalcidinae. *Deutsche Entomologische Zeitschrift* 44: 240-265. [Kieffe1904]
- Kirby, W.F. 1884. On the Hymenoptera collected during the recent expedition of HMS Challenger. *Annals and Magazine of Natural History (Series 5)* 13: 402-413. [Kirby1884]
- Kirby, W.F. 1886. A synopsis of the genera of the Chalcididae, subfamily Eucharinae, with descriptions of several new genera and species of Chalcididae and Tenthredinidae. *Journal of the Linnean Society* 20: 28-37. [Kirby1886]
- Kirby, W.F. 1889. Descriptions of new species of Tenthredinidae, Cynipidae, and Chalcididae in the collection of the British Museum. *Annals and Magazine of Natural History* 4: 141-146. [Kirby1889]
- Kirby, W.F. 1894. Descriptions of one new genus and six new species of Hymenoptera terebrantia from Queensland. *Annals and Magazine of Natural History (Series 6)* 14: 45-47. [Kirby1894]

- Koçak, A.Ö. and Kemal, M. 2008. Nomenclatural notes on the genus group names in the order Hymenoptera (Chalcidoidea). *Miscellaneous Papers of the Center for Entomological Studies Ankara* 143: 3-8. [KocakKe2008]
- Krombein, K.V. 1981. Biosystematic studies of Ceylonese wasps, VIII: A monograph of the Philanthidae (Hymenoptera: Sphecoidea). *Smithsonian Contributions in Zoology* 343: 1-75. [Krombe1981]
- LaBerge, W.E. 1956. Catalogue of types in the Snow Entomological Museum. Part I, Hymenoptera. *University of Kansas Science Bulletin* 38: 501-531. [LaBerg1956]
- Lachaud, J.P., Cerdan, P. and Pérez-Lachaud, G. 2012. Poneromorph ants associated with parasitoid wasps of the genus *Kapala* Cameron (Hymenoptera: Eucharitidae) in French Guiana. *Psyche* 2012: p. 393486, 6 pages. [LachauCePe2012]
- Lachaud, J.P. and Pérez-Lachaud, G. 2001. Fourmis ponérines associées aux parasitoïdes du genre *Kapala* Cameron (Hymenoptera, Eucharitidae). *Actes des Colloques Insectes Sociaux* 14: 101-105. [LachauPe2001]
- Lachaud, J.P. and Pérez-Lachaud, G. 2009. Impact of natural parasitism by two eucharitid wasps on a potential biocontrol agent ant in southeastern Mexico. *Biological Control* 48: 92-99. [LachauPe2009]
- Lachaud, J.P. and Pérez-Lachaud, G. 2012. Diversity of species and behavior of hymenopteran parasitoids of ants: A review. *Psyche* 2012, Article ID 134746, 24 pages. [LachauPe2012]
- Lamarck, J. de. 1817. *Histoire naturelle des animaux sans vertèbres*. Vol. IV. Paris: Verdière. 603 pp. [Lamarc1817]
- Latreille, P.A. 1805. *Histoire naturelle générale et particulière des Crustacés et des Insectes*. Vol. 13. Paris: F. Dufart. 432 pp. [Latrei1805]
- Latreille, P.A. 1807. *Genera Crustaceorum et Insectorum*. IV. Paris: M. de Saint Hillaire. 399 pp. [Latrei1807]
- Latreille, P.A. 1829. *Les Crustacés, les arachides et les insectes, distribués en familles naturelles ouvrage formant les tomes 4 et 5 de celui de M. le Baron Cuvier sur le Paris: A. Konig. Règne animal*. Vol. 2. 556 pp. [Latrei1829]
- Maeyama, T., Machida, M. and Terayama, M. 1999. The ant-parasitic genus *Rhipipalloidea* Girault (Hymenoptera: Eucharitidae), with description of a new species. *Australian Journal of Entomology* 38: 305-309. [MaeyamMaTe1999]
- Mani, M.S. 1935. New Indian Chalcidoidea (Parasitic Hymenoptera). *Records of the Indian Museum* 37: 241-258. [Mani1935]
- Mani, M.S. 1944. Studies on Indian parasitic Hymenoptera, II. *Indian Journal of Entomology* 4: 153-162. [Mani1944]
- Mani, M.S., Dubey, O.P., Kaal, B.K. and Saraswat, G.G. 1974. Description of some new species and new records of some known Chalcidoidea (Hymenoptera) from India. *Memoirs of the School of Entomology* 3: 1-108. [ManiDuKa1974]
- Mann, W.M. 1914. Some myrmecophilous insects from Mexico. *Psyche* 21: 171-184. [Mann1914]
- Mann, W.M. 1918. Some myrmecophilous insects from Cuba. *Psyche* 25: 104-106. [Mann1918]
- Masi, L. 1917. Chalcididae of the Seychelles Islands. *Novitates Zoologica* 24: 121-230. [Masi1917]
- Masi, L. 1919. Chalcids of Tuscan Archipelago, Part 2. Eurytominae, Eucharininae, [etc.]. Chalcididi del Giglio. *Annali del Museo civico di Storia naturale di Genova* 48: 277-337. [Masi1919]
- Masi, L. 1926. H. Sauter's Formosa-Ausbeute Chalcididae (Hymenoptera). *Konowia* 5: 325-381. [Masi1926]
- Masi, L. 1934a. Chalcididi dell'i sola di Cipro raccolti dal Sig G.A. Mavromoustakis. *Annali del Museo civico di Storia naturale di Genova* 57: 7-22. [Masi1934a]
- Masi, L. 1934b. Nota sui calcididi dell'isola di rodi. *Bolletino della Societa entomologica Italiana* 56: 210. [Masi1934b]
- Masi, L. 1939. Hymenoptera: Chalcididae, Cynipidae, Ichneumonidae, Braconidae, Bethylidae. *Miss. biol. Paese Borana, Rome* 3: 21-24. [Masi1939]
- Masi, L. 1949. Note su calcididi della Palestina. *Estratto dal Bollettino della Societa Entomologica Italiana* 79: 91-94. [Masi1949]
- Michener, C.D. 1969. Immature stages of a chalcidoid parasite tended by allodapine bees (Hymenoptera: Perilampidae and Anthophoridae). *Journal of the Kansas Entomological Society* 42: 247-250. [Michen1969]

- Muesebeck, C.F.W., Krombein, K.V. and Townes, H.K. 1951. Family Eucharitidae. Pages 514-516 in: Hymenoptera of America North of Mexico Synoptic Catalog. Washington: United States Department of Agriculture. 1420 pp. [MuesebeKrTo1951]
- Myers, J.C. 1931. Descriptions and records of parasitic Hymenoptera from British Guiana and the West Indies. Bulletin of Entomological Research 22: 267-277. [Myers1931]
- Narendran, T.C. 1985(1986)a. Descriptions of three new species of *Schizaspidia* Westwood (Hymenoptera: Eucharitidae) with a key and a check-list to the species of Indian subcontinent. Journal of the Bombay Natural History Society 82: 606-610. [Narend1985a]
- Narendran, T.C. 1985b. Family Eucharitidae. Pages 186-187 in: Subba Rao, B.R.; Hayat, M. The Chalcidoidea (Insecta: Hymenoptera) of India and the adjacent countries. Part I. Review of families and keys to families and genera. Oriental Insects. 19: 161-310. [Narend1985b]
- Narendran, T.C. 1986. Family Eucharitidae. Pages 51-55 in: Subba Rao, B.R. and M. Hayat. The Chalcidoidea (Insecta: Hymenoptera) of India and the adjacent countries. Part II. Catalogues Oriental Insects. 20: 1-430. [Narend1986]
- Narendran, T.C. 1994. Descriptions of a new eucharitid genus "Cherianella" and a new species "narayani" of Chalcidoidea from India. Geobios new Reports 13: 94-96. [Narend1994]
- Narendran, T.C. 1999. A new species of *Parapsilogastrus* Ghesquiere (Hymenoptera: Eucharitidae) from Thailand. Journal of the Bombay Natural History Society 96: 451-453. [Narend1999]
- Narendran, T.C. and Girish Kumar, P. 2004. Two new species of *Stilbula* Spinola (Hymenoptera: Eucharitidae) from Yemen. Zoos' Print Journal 19:1677-1679. [NarendGi2004]
- Narendran, T.C. and Girish Kumar, P. 2005. Description of a new species and a key to species of *Orasema* Cameron (Hymenoptera: Eucharitidae) from India. Ecobios 3: 10-14. [NarendGi2005]
- Narendran, T.C. and Sheela, S. 1996. Description of three new species of Oriental *Stilbula* Spinola (Hymenoptera: Eucharitidae) with a key to Indopacific species. Entomon 21: 65-75. [NarendSh1996]
- Naumann, I.D., Cardale, J.C., Taylor, R.W. and MacDonald, J. 1994. Type specimens of Australian Hymenoptera (Insecta) transferred from the Macleay Museum, University of Sydney, to the Australian National Insect Collection, Canberra. Proceedings of the Linnean Society of New South Wales 114: 69-72. [NaumanCaTa1994]
- Nicolini, J.C. 1950. La avispa costurere y la tuberculosis del olivo. Revista Agronomica, Porto Alegre (35-36): 20. [Nicolini1950]
- Nikolskaya, M.N. 1952. VIII. Family Eucharitidae. Pages 203-210. in: Khaltsidy fauny SSSR. [English translation: The Chalcid Fauna of the USSR, Israel Prog. Sci. Transl., Jerusalem, 1963]. Moscow: Academy of Sciences of the U.S.S.R.. 575 pp. [Nikols1952]
- Oatman, E. 1964. An ecological study of Arthropod populations on apple in northeastern Wisconsin: insect species present. Journal of Economic Entomology 57: 981. [Oatman1964]
- Panzer, G.W.F. 1796(1813). Faunae insectorum Germanicae initia. Fascicle 88. Nurnberg. [Panzer1796]
- Parker, H.L. 1924. Recherches sur les formes post-embryonnaires des Chalcidiens. Annales de la Société Entomologique de France 93: 261-379. [Parker1924]
- Parker, H.L. 1932. Notes on a collecting spot in France and a chalcid larva (*Stilbula cynipiformis* Rossi) (Hymenoptera: Eucharitidae). Entomological News 43: 1-6. [Parker1932]
- Parker, H.L. 1937. The oviposition habits of *Stilbula cynipiformis* Rossi (Hymenoptera, Eucharitidae). Proceedings of the Entomological Society of Washington 39: 1-3. [Parker1937]
- Parker, H.L. 1942. Oviposition habits and early stages of *Orasema* sp. Proceedings of the Entomological Society of Washington 44: 142-145. [Parker1942]
- Parker, H.L. and Thompson, W.R. 1925. Notes on the larvae of the Chalcidoidea. Annals of the Entomological Society of America 18: 384-395. [ParkerTh1925]
- Peck, O. 1951. Family Eucharitidae. Pages 514-515. in: Muesebeck, C.F.W.; Krombein, K.V.; Townes, H.K. Hymenoptera of America North of Mexico-synoptic catalog. Washington: United States Department of Agriculture Monograph. 1420 pp. [Peck1951]
- Peck, O., Bouček, Z. and Hoffer, A. 1964. Keys to the Chalcidoidea of Czechoslovakia (Insecta: Hymenoptera). Memoirs of the Entomological Society of Canada 34: 1-120. [PeckBoHo1964]
- Pérez-Lachaud, G., Heraty, J.M., Carmichael, A., and Lachaud, J.P. 2006. Biology and behavior of *Kapala* (Hymenoptera: Eucharitidae) attacking *Ectatomma* and *Gnamptogenys* (Formicidae: Ectatomminae) in Chiapas, Mexico. Annals of the Entomological Society of America 99: 567-576. [PerezLHeCa2006]

- Pérez-Lachaud, G., López-Méndez, J.A., Beugnon, G. and Winterton, P. 2010. High prevalence but relatively low impact of two eucharitid parasitoids attacking the Neotropical ant *Ectatomma tuberculatum* (Olivier). *Biological Control* 52: 131-139. [PerezLLOBe2010]
- Pérez-Lachaud, G., López-Méndez, J. and Lachaud, J.P. 2006. Eucharitid parasitism of the neotropical ant *Ectatomma tuberculatum*: Parasitoid co-occurrence, seasonal variation, and multiparasitism. *Biotropica* 38: 574-576. [PerezLLOLa2006]
- Pérez-Lachaud, G., Vanelzuela, J.E. and Lachaud, J.-P. 2011. Is increased resistance to parasitism at the origin of diversity in a Mexican population of the ant *Ectatomma tuberculatum* (Hymenoptera: Formicidae)? *Florida Entomologist* 94: 677-684. [PerezLVaLa2011]
- Perty, J.A.M. 1833. Spix, Johann Baptist von. *Delectus animalium articulatum, quae in itinere per Brasiliam. Monachii: impensis editoris. fasc. 3. pp. 124-224, pl. 25-40.* [Perty1833]
- Pierce, W.D. and Morrill, A.W. 1914. Notes on the entomology of the Arizona wild cotton. *Proceedings of the Entomological Society of Washington* 16: 14-23. [PierceMo1914]
- Provancher, L'Abbé. 1881. *Faune Canadienne. Les Insectes - Hyménoptères. Naturaliste Canadien* 12: 291-304. [Provan1881]
- Provancher, L'Abbé. 1883. *Les Orthopteres, les Neuropteres et les Hyménopteres. Petite Faune Entomologique du Canada et Particulément de la province de Québec* 2: 831 pp. [Provan1883]
- Radoszkowsky, 1873. *Horae Societas Entomologicae Rossicae, Vol X Petropoli.* [Radosz1873]
- Reichensperger, A. 1913. Zur Kenntnis von Myrmecophilen aus Abessinien, I. *Zoologische Jahrbücher* 35: 185-218. [Reiche1913]
- Risbec, J. 1951a. I. Les chalcidoïdes d'A.O.F., Famille Eucharitidae. *Mémoires de l'Institut Français d'Afrique Noire* 13: 377-380. [Risbec1951a]
- Risbec, J. 1951b. Chalcidoïdes d'A.O.F. (1). *Supplément au mémoire, les Chalcidoïdes et les Microgasterides d'A.O.F. Bulletin de l'Institut français d'Afrique noire* 13: 1128-1130. [Risbec1951b]
- Risbec, J. 1952. Contribution à l'étude des Chalcidoïdes de Madagascar. *Mem. Inst. Sci. Madagascar (E)* 2: 1-449. [Risbec1952]
- Risbec, J. 1953. Chalcidoïdes et Proctotrupoïdes de l'Afrique occidentale française (suppl. 2). *Bulletin de l'Institut français d'Afrique noire* 15: 549-609. [Risbec1953]
- Risbec, J. 1954. Chalcidoïdes et Proctotrupoïdes de l'Afrique tropicale française (suppl. 4). *Bulletin de l'Institut français d'Afrique noire* 16: 1035-1092. [Risbec1954]
- Risbec, J. 1957. Chalcidoïdes et Proctotrupoïdes de l'Afrique occidentale française (Suppl. 5 et 6). *Bulletin de l'Institut français d'Afrique noire* 19: 228-267. [Risbec1957]
- Risbec, J. 1958. Chalcidoïdes nouveaux d'Afrique du Sud. *Occasional Papers of the national Museum of South Rhodesia, Bulawayo* 22B: 147-162. [Risbec1958]
- Roberts, F.S. 1958. Insects affecting banana production in central America. *Proceedings of the tenth International Congress of Entomology* 3: 411-415. [Robert1958]
- Romero, C.A. and Heraty, J.M. 2010. Ultrastructure of scutellar sensilla in *Aphytis melinus* (Hymenoptera: Aphelinidae) and morphological variation across Chalcidoidea. *Journal of Hymenoptera Research* in press. [RomeroHe2010]
- Rossi, Pietro. 1792. *Mantissa Insectorum, exhibens species nuper in Etruria collectas a Petro Rossio. Pisis: Polloni.* 125, p.6, f.g. [Rossi1792]
- Ruschka, F. 1924. Die europäisch-mediterranen Eucharidinae und Perilampinae (Hym., Chalc.) [Der Chalcididenstudien IV. und V. teil. *Deutsche Entomologische Zeitschrift* 1924: 82-96. [Ruschka1924]
- Rzaeva, L.M. 1971. [Study of chalcid fauna (Chalcidoidea) in the Azerbaidzhan, SSSR]. *Akademiia Nauk SSSR [Biology Bulletin of the Academy of Sciences of the USSR]* 3: 83-90. [Rzaeva1971]
- Schmiedeknecht, O. 1909. *Hymenoptera für Chalcididae. Wytsman Genera Insectorum* 97: 1-550, 8 pls. [Schmie1909]
- Shipp, J.W. 1894. A new classification of the genus *Thoracantha*. *Latrielle. Entomologist* 27: 188-190. [Shipp1894]
- Shulz, W.A. 1906. *Strandgut. Spolia Hymenopterologica* 1905: 77-269. [Shulz1906]
- Silveira-Guido, A. 1962. Investigations on the biology and biological control of the fire ant, *Solenopsis saevissima richteri* Forel in Uruguay. *Annual Report, Departamento de Sanidad Vegetal, Montevideo* numbers 2-4. [Silvie1962]
- Smith, J.B. 1899(1900). *Insects of New Jersey. Annual Report of the New Jersey State Board of Agriculture. Trenton, NJ: MacCrellish & Quigley.* 755 pp. [Smith1899]

- Smith, H.H. 1912. The chalcidoid genus *Perilampus* and its relations to the problem of parasite introduction. United States Department of Agriculture Bureau of Entomology Technical Bulletin 19: 33-69. [Smith1912]
- Snehalatha, S. and Narendran, T.C. 1992. On a new species of *Orasema* Cameron (Hymenoptera: Eucharitidae), with a key to Indian species. Journal of the Bombay Natural History Society 89: 355-357. [SnehalNa1992]
- Spinola, M. 1811. Essai d'une nouvelle classification des Diplolépaires. Annales du Muséum d'histoire naturelle, Paris 17: 138-152. [Spinol1811]
- Spinola, M. 1853. Compte Rendu des Hyménoptères inédits provenants du voyage entomologique de Mr. Ghiliani dans le Para en 1846. Memorie della Reale Accademia delle Scienze de Torino, serie secunda 13: 19-94. [Spinol1853]
- Stefani, T. de 1891. De duobus novis Hymenopteris Siciliae. Naturalista Siciliano (Nuova Serie) 10: 117-119. [Stefan1891]
- Strand, E. 1911. Neue exotische Chalcididen der Gattungen. Fauna Exotica 3: 1-10. [Strand1911]
- Strand, E. 1942. Miscellanea nomenclatoria zoologica et palaeontologica X-XII. Folia Zoologica und Hydrobiologica 11: 386-402. [Strand1942]
- Tocchetto, A. 1942. Bicho costureiro. Rev. Agron. Porto Alegre 6: 587-588. [Tocche1942]
- Torréns, J. and Heraty, J.M. 2012. Description of the species of *Dicoelothorax* Ashmead (Chalcidoidea, Eucharitidae) and biology of *D. platycerus* Ashmead. Zookeys 165: 33-46. [TorrenHe2012]
- Torréns, J., Heraty, J.M. and Fidalgo, P. 2007. Biology and description of a new species of *Laurella* Heraty (Hymenoptera: Eucharitidae) from Argentina. Proceedings of the Entomological Society of Washington 109: 45-51. [TorrenHeFi2007]
- Torréns, J., Heraty, J.M. and Fidalgo, P. 2008. Biology and description of a new species of *Lophyrocera* Cameron (Hymenoptera: Eucharitidae) from Argentina. Zootaxa 1871: 56-62. [TorrenHeFi2008]
- Tudor, C. 1971. Data noi asupra Chalcidoidelor (Hym.-Chalcidoidea) di Romania [new data on the chalcidoids of Romania]. Analele Universitii Bucuresti Biologie Animalia 20: 101-104. [Tudor1971]
- Van Pelt, A.F. 1950. *Orasema* in nests of *Pheidole dentata* Mayr (Hymenoptera: Formicidae). Entomological News 61: 161-163. [VanPel1950]
- Vander Meer, R.K., Jouvenaz, D.P. and Wojcik, D.P. 1989. Chemical mimicry in a parasitoid (Hymenoptera: Eucharitidae) of fire ants (Hymenoptera: Formicidae). Journal of Chemical Ecology 15: 2247-2261. [VanderJoWo1989]
- Varone, L. and Briano, J. 2009. Bionomics of *Orasema simplex* (Hymenoptera: Eucharitidae), a parasitoid of *Solenopsis* fire ants (Hymenoptera: Formicidae) in Argentina. Biological Control 48: 204-209. [VaroneBr2009]
- Varone, L., Heraty, J.M. and Calcaterra, L.A. 2010. Distribution, abundance and persistence of species of *Orasema* (Hym: Eucharitidae) parasitic on fire ants in South America. Biological Control 55: 72-78. [VaroneHeCa2010]
- Vásquez-Ordóñez, A. A., Armbrrecht, I. and Pérez-Lachaud, G. 2012. Effect of habitat type on parasitism of *Ectatomma ruidum* by eucharitid wasps. Psyche 2012, Article ID 170483, 7 pages. [VasqueArPe2012]
- Viereck, H.L. 1916. Hymenoptera of Connecticut. Connecticut Geology and Natural History Survey Bulletin 22: 525-526. [Vierec1916]
- Walker, F. 1839. Monographia Chalciditum. Vol. 2. London. 100 pp. [Walker1839]
- Walker, F. 1841. Entomologist 1: vi, pl. p. [Walker1841]
- Walker, F. 1843. Descriptions of Chalcidites discovered by C. Darwin, Esq. Annals and Magazine of Natural History 12: 45-46. [Walker1843]
- Walker, F. 1846. List of the specimens of hymenopterous insects in the collection of the British Museum. Part I --Chalcidites. London. vii + 100 pp. [Walker1846]
- Walker, F. 1860. Mr. F. Walker on some undescribed Ceylon insects. Annals and Magazine of Natural History 6: 359. [Walker1860]
- Walker, F. 1862. Mr. F. Walker's notes on chalcidites and characters of undescribed species. Transactions of the Entomological Society of London 1: 380-385. [Walker1862]
- Walker, F. 1871. Notes on Chalcidiae. Part IV. Chalcididae, Leucospidae, Agaonidae, Eucharidae, Perilampidae, Ormyridae, Encyrtidae. London. 55-70. [Walker1871]
- Wasmann, E. 1894. Kritisches Verzeichnis der myrmecophilen und termitophilen Arthropoda mit Angabe der Leibenweise und mit Beschreibung neuer Arten. Berlin. xiii + 231 pp. [Wasman1894]

- Watanabe, C. 1950. A taxonomic revision of the Japanese species of Eucharidae (Hymenoptera: Chalcidoidea). Transactions of the Shikoka entomological Society 1: 59-64. [Watana1950]
- Watanabe, C. 1958. Eucharidae. Insects of Micronesia 19: 19-34. [Watana1958]
- Waterhouse, C.R. 1839. Descriptions of some new species of exotic insects. Transactions of the Entomological Society of London 2: 188-196. [Waterh1839]
- Waterston, J. 1916. Notes on African Chalcidoidea, IV. Bulletin of Entomological Research 6: 413-423. [Waters1916]
- Westwood, J.O. 1835. Characters of new genera and species of hymenopterous insects. Proceedings of the zoological Society of London 3: 51-69. [Westwo1835]
- Westwood, J.O. 1874. Thesaurus Entomologicus Oxoniensis; or illustrations of new, rare, and interesting insects, for the most part contained in the collections presented. Oxford. 205 pp., 40 pls. [Westwo1874]
- Wheeler, W.M. 1907. The polymorphism of ants with an account of some singular abnormalities due to parasitism. Bulletin of the American Museum of Natural History 23: 1-100. [Wheele1907]
- Wheeler, W.M. 1910. Ants; their structure, developments and behaviour. New York: Columbia. 663 pp. [Wheele1910]
- Wheeler, G.C. and Wheeler, E.H. 1924. A new species of *Schizaspidia* (Eucharidae) with notes on a eulophid ant parasite. Psyche 31: 49-56. [WheeleWh1924]
- Wheeler, G.C. and Wheeler, E.W. 1937. New hymenopterous parasites of ants (Chalcidoidea, Eucharidae). Annals of the Entomological Society of America 30: 171-172. [WheeleWh1937]
- Wheeler, G.C. and Wheeler, J. 1976. Ant larvae: review and synthesis. Memoirs of the entomological Society of Washington 7: 1-108. [WheeleWh1976]
- Williams, R.N. 1980. Insect natural enemies of fire ants in South America with several new records. Proceedings of the Tall Timbers Conference on Ecology, Animal Control and Habitat Management 7: 123-134. [Willia1980]
- Williams, R.N. and Whitcomb, W.H. 1973. Parasites of fire ants in South America. Proceedings of the Tall Timbers Conference on Ecology, Animal Control and Habitat Management 5: 49-59. [WilliaWh1973]
- Wilson, E.O. 1971. The Insect Societies. Cambridge, MA: The Belknap Press of Harvard University Press. 548 pp. [Wilson1971]
- Wilson, T.H. and Cooley, T.A. 1972. A chalcidoid (Hym.) planidium and an entomophilic nematode associated with the western flower thrips (*Frankliniella occidentalis*: Thysanoptera: Thripidae). Annals of the Entomological Society of America 65: 414-418. [WilsonCo1972]
- Wojcik, D.P. 1986. Status and search for natural control agents in South America. Proceedings of the Annual Fire Ant Conference 5: 29-37. [Wojcik1986]
- Wojcik, D.P. 1988. Survey for biocontrol agents in Brazil - a final report, with comments on preliminary research in Argentina. Proceedings of the Imported Fire Ant Conference pp. 50-62. [Wojcik1988]
- Wojcik, D.P. 1989. Behavioural interactions between ants and their parasites. Florida Entomologist 72: 43-51. [Wojcik1989]
- Wojcik, D.P. 1990. Behavioral interactions of fire ants and their parasites, predators and inquilines. Pages 329-344. *in*: Vander Meer, R.K., K. Jaffe and A. Cedeno. Applied Myrmecology: A World Perspective. San Francisco: Westview Press. 741 pp. [Wojcik1990]
- Wojcik, D.P., Jouvenaz, D.P., Banks, W.A and Pereira, A.C. 1987. Biological control agents of fire ants in Brazil. Pages 627-628. *in*: J. Eder and H. Rembold. Chemistry and Biology of Social Insects. München: Verlag J. Peperny. 757 pp. [WojcikJoBa1987]
- Wolcott, G.N. 1948. The insects of Puerto Rico. Journal of the Agricultural University of Puerto Rico 32: 802. [Wolcot1948]
- Yasumatsu, K. 1942. Notes on some Micronesian Elasmidae and Eucharidae (Hymenoptera: Chalcidoidea). Insecta Matsumurana 16: 151-158. [Yasuma1942]
- Yasumatsu, K. 1961. The genera *Eucharis* and *Ropronia* from Shansi, North China (Hymenoptera). Mushi 35: 67-69. [Yasuma1961]

**GENERA REMOVED FROM FAMILY****Haltichella**

*Chirocera* Latrielle, 1829: 295. Notes: Stated only as "Celles des autres sont simples dans les deux sexes", and footnote reference to included species.

**Rileyia**

*Tragicola* Brèthes, 1918: 82. Synonymized with *Rileyia* (Eurytomidae) by De Santis, 1967: 202

**SPECIES REMOVED FROM FAMILY****Ant**

*Eucharis democles* Walker, 1839: 15-16. Notes: Male ant (Bouček 1988:514). Syntype male in BMNH.

**Galearia cyanea**

*Scutellista cyanea* Motschulsky, 1859: 172-173. Described: female. Notes: Does not belong here. Not a eucharitid. Motschulsky (on page 173) states that the specimen is similar to *Thoracantha* or *Galearia violacea*, but not that it is the same. Dalle Torre (1898: 365) transferred this genus to *Thoracantha*. From the description it appears to be a Eunotinae as suggested from the original generic placement.

**Psilogasteroides formicarius**

*Psilogasteroides formicarius* Brèthes, 1910: 210. Described: female. Notes: Diapriidae\_

**SUBFAMILIES REMOVED FROM FAMILY****Echthrodapinae Bouček**

*Echthrodapinae* Bouček, 1988: 516. Type species: *Echthrodape* Burks. Notes: Transferred to Torymidae (Grissell 1995).

*Echthrodapinae* Bouček, 1988: 516.

**Echthrodape Burks**

*Echthrodape* Burks, 1969: 73-75. Type species: *Echthrodape africana* Burks, by original designation. CITATIONS: Bouček 1988 [Tre].

**Echthrodape africana Burks**

*Echthrodape africana* Burks, 1969: 73-75. Type data: Kenya: Nairobi. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 69936. Described: both sexes. Illust. ASSOCIATIONS: Host - HYMENOPTERA **Halictidae**: *Braunsapis* sp. [Burks 1969, Michen 1969] CITATIONS: Michen 1969 [Dim, lim]; Wilson 1971 [host record]. DISTRIBUTION: **Afrotropical**: Kenya [Burks 1969].



**Philomidinae (Perilampidae)****Aperilampus Walker**

*Aperilampus* Walker, 1871. Type species: *Perilampus discolor* Walker, by monotypy.

***Aperilampus aurantiacus nigripes* Strand**

*Aperilampus aurantiacus nigripes* Strand, 1911: 1?. Type data: Erytra [Ethiopian]. Unknown type status.

Type depository: BERL.

DISTRIBUTION: **Afrotropical**: Ethiopia [Strand1911].

***Aperilampus brevicornis* (Risbec)**

*Perilampus brevicornis* Risbec, 1951: 371-373. Type data: Senegal: M'Bambey. Holotype female, by monotypy. Type depository: Paris: Museum National d'Histoire naturelle, France (?).

*Aperilampus brevicornis*; Kerrich, 1956: 122. Change of combination.

***Aperilampus discolor* (Walker)**

*Perilampus discolor* Walker, 1862. Unknown type status. Type depository: London: Natural History Museum, England.

*Aperilampus discolor*; Walker, 1871: 67. Change of combination.

*Aperilampus discolor*; Strand, 1911: 1?.

CITATIONS: Darlin1988 [anatomy].

***Aperilampus niayensis* (Risbec) new combination**

*Chalcura niayensis* Risbec, 1957: 260. Type data: Senegal: Station de Niayes. Holotype female, by monotypy. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female.

Illust. Notes: Synonymy based on detailed illustrations.

DISTRIBUTION: **Afrotropical**: Senegal.

***Aperilampus varians* Strand**

*Aperilampus discolor varians* Strand, 1911: 1?. Type data: Nyassa See, Langenburg [collector?].

Unknown type status. Type depository: BERL.

*Aperilampus varians*; Darling, 1992: 333. Change of status.

CITATIONS: Darlin1992 [description-Immatures, illustration-immature, host record, nomenclature].

DISTRIBUTION: **Afrotropical**: South Africa.

**Philomides Haliday**

*Philomides* Haliday, 1862: 138. Type species: *Philomides paphius*, by monotypy.

*Sternodes* Stefani, 1891: 118. Type species: *Sternodes pusateri* Stefani (= *Philomides paphius* Haliday), by original designation. Homonym; discovered by Dalla Torre, 1898: 88.

*Destefania* Dalla Torre, 1898: 88. Replacement name Ruschka, 1924: 91.

*Destefania*; Ashmead, 1904[238]: 268, 269 (key).

*Philomides*; Ruschka, 1924: 91-92. Subsequent description.

CITATIONS: Boucek1978 [catalog]; DeSant1950 [catalog]; Masi1919 [Da., nomenclature].

KEYS: Risbec 1953: 607.

***Philomides abercornensis* Risbec**

*Philomides abercornensis* Risbec, 1958: 154. Type data: Zimbabwe [N. Rhodesia]: Abercorn. Holotype female, by monotypy. Type depository: NMSA. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: Zimbabwe.

***Philomides aethiopicus* Masi**

*Philomides aethiopicus* Masi, 1939: 26. Type data: S. Abyssinia (=Javello Bora Ethiopia). Unknown type status. Described: female. Illust.

DISTRIBUTION: **Afrotropical**: Ethiopia.

**Philomides frater Masi**

*Philomides frater* Masi, 1926: 372-375. Type data: Taiwan: Taihorin. Holotype male, by monotypy.  
Described: male. Illust.

*Philomides frater*; Ishii, 1956: 32-33. Described: male. Illust. Subsequent description.

DISTRIBUTION: **Oriental**: Taiwan.

**Philomides gigantea (Risbec)**

*Fissicrania gigantea* Risbec, 1952: 299. Type data: Senegal. Unknown type status.

*Philomides gigantea*; Risbec, 1953: 606. Change of combination.

DISTRIBUTION: **Afrotropical**: Senegal.

**Philomides hoggariensis Ferrière**

*Philomides hoggariensis* Ferrière, 1968: 240. Type data: Hoggar, Sahara ?. Unknown type status.

**Philomides indicus Girish Kumar et al.**

*Philomides indicus* Girish Kumar et al., 2008: 124-127. Type data: India: Kerala, Kozhikode Dt. Holotype female, by original designation. Type depository: Calcutta: National Zoological Collection, Zoological Survey of India, India. Described: female. Illust.

DISTRIBUTION: **Oriental**: India (Kerala [GirishNaRa2008]).

**Philomides metallicus Risbec**

*Philomides metallicus* Risbec, 1958: 157-159. Type data: Zimbabwe [S. Rhodesia]: Bulawayo. Holotype female, by monotypy. Type depository: NMSA. Described: female. Illust. Notes: Bouček's new genus.

DISTRIBUTION: **Afrotropical**: Zimbabwe.

**Philomides paphius Haliday**

*Philomides paphius* Haliday, 1862: 115. Type data: Albania: Ile de Chypre. Holotype male, by monotypy.

Type depository: MNHP. Described: male. Notes: Type locality and deposition in question, see Westwood (1874)

*Philomides paphius*; Westwood, 1874: 138. Described: male. Illust. Subsequent description.

*Sternodes pusateri* Stefani, 1891: 118. Unknown type status. Synonymy by Ruschka, 1924: 92.

*Philomides paphius*; Ruschka, 1924: 92. Described: both sexes. Subsequent description.

*Philomides paphius*; Masi, 1949: 93-94. Described: female. Subsequent description.

CITATIONS: GirishNaRa2008 [la., description-Adult].

DISTRIBUTION: **Oriental**: India (Karnataka [GirishNaRa2008]). **Palaeartic**: Albania?; Israel [Masi1949].