

A checklist to the wasps of Peru (Hymenoptera, Aculeata)

Claus Rasmussen¹, Angelico Asenjo²

1 Museo Nacional de Historia Natural, Dept. Entomología, Peru **2** Programa de Pós-Graduação em Entomologia, Departamento de Zoologia, Universidade Federal do Paraná, Brazil

Corresponding author: Claus Rasmussen (alrunen@yahoo.com)

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Abstract

The first checklist to the 225 genera and 1169 reported species-group taxa of aculeate wasps of Peru is presented. The list is based on a literature survey and examination of Peruvian entomological collections and include locality references for each taxon. Bibliographic references for the identification of families, genera, and species are provided when available. The occurrence data are published in addition as downloadable files (doi: 10.3897/zookeys.15.196.app.2.ds, doi: 10.3897/zookeys.15.196.app.3.ds, and doi: 10.3897/zookeys.15.196.app.4.ds) and were uploaded onto GBIF infrastructure simultaneously with the publication process. The following new combinations are proposed: *Ancistroceroides cirrifer* **comb. n.** (Zavattari, 1912), *Ancistrocerus epicus* **comb. n.** (Zavattari, 1912), and *Stenodynerus corallineipes* **comb. n.** (Zavattari, 1912).

Keywords

Aculeata, Biodiversity, Gazetteer, Hymenoptera, Sampling coverage, Peru

Introduction

Aculeate wasps, or stinging wasps, are a fascinating group of biologically diverse insects, ranging from wasps living in large social colonies with more than a million individuals (*Agelaia vicina*) to solitary, rarely collected species of only a few millimeters in length (Hanson and Gauld 2006, Fernández and Sharkey 2006). They range in host use, from parasitoids (e.g., Dryinidae) that control agriculturally important pests, to the giant tarantula hawks (Pompilidae, *Pepsis*) that paralyze spiders and use them as

provisioning for their larvae. The abundance of wasps in Peru is evident in most parts of the country, inhabiting both lowland forests and Andean crop fields. Several species are known from the surroundings of Puno at the border of the Titicaca lake at more than 3800 meters above sea level, although the social Vespidae (Polistinae) do not reach this altitude (Weyrauch 1943).

The present list attempts to include all taxa of Aculeata wasps (Hymenoptera: Apo-crita) recorded from Peru in the literature and from the entomological collection of the Museo Nacional de Historia Natural (MUSM), Lima, Peru. The aculeate wasps *sensu* Brothers (1999) include the following families within three superfamilies in the Neotropical region: Apoidea, including Ampulicidae, Crabronidae, Sphecidae, and the bees (Andrenidae, Colletidae, Halictidae, Megachilidae, Apidae); Chrysidoidea with Bethyidae, Chrysididae, Dryinidae, Embolemidae, Plumariidae, Sclerogibbidae, and Scolybythidae; and Vespoidea, with Bradynobaenidae, Mutillidae, Pompilidae, Rho-palosomatidae, Sapygidae, Scoliidae, Vespidae, Tiphidae, and the ants (Formicidae). Peruvian bees are listed elsewhere (Rasmussen and Ascher, in preparation, 800+ spp.) and ants (Formicidae, 300+ spp.) have been covered in the literature for Peru (Escalante 1993), South America (Kempf 1972, Brandão 1991), and worldwide (Bolton 1994, 1995, Ward et al. 1996). Recently much of the ant information has been made available on the internet as well (<http://www.antbase.org>).

It is expected that this checklist is incomplete and likely inadequate for certain groups. Many regions of Peru have not been sampled or have only been surveyed for brief periods. The checklist should still prove useful as a reference and will give indication of the diversity in Peru of families and genera, although biased toward previous collecting efforts and taxa treated in monographic revisions. For example, there are only two named species of *Pseudomethoca* (Mutillidae) in Peru according to Quintero and Cambra (1996), whereas they report an additional 17 undescribed species. The checklist will in that case obscure the real diversity of this genus in Peru.

Identification of Hymenoptera families and genera can be done with the aid of specialized literature, including the works by Goulet and Huber (1993), Hanson and Gauld (1995, 2006), and Fernández and Sharkey (2006) that include keys for identification of all Hymenoptera families, tribes, and some lower rank groups. Hanson and Gauld (2006) and Fernández and Sharkey (2006) are particularly useful, providing keys in Spanish to subfamilies of all Neotropical Hymenoptera.

The alphabetic checklist includes references to primary taxonomic literature in the general introduction only if they include information pertinent to the genera occurring in Peru. References to species-level taxonomic literature are placed in hard brackets following the genus entry. Synonymic listing is limited to species originally described or reported from Peru. Peruvian wasps have mainly been collected by foreigners visiting the country (Otto Garlepp, Luis Peña, E.I. Schlinger and E.S. Ross, etc.), or foreigners residing in the country, in particular Wolfgang Karl Weyrauch (1940, 1942, 1943) and Felix Woytkowski (1978). Peruvian nationals, such as Renán García (1978) and Francisco Carrasco (1972) sent specimens for identification, whereas Carl Oswald Schunke (Chanchamayo, Pucallpa) and Emil

Boettger (Huancabamba) sold Hymenoptera specimens to museums and collectors earlier in the 20th century, but otherwise little has been done to synthesize the Peruvian fauna until now.

A total of 1169 taxa are reported, representing 16 families, 34 subfamilies, 28 tribes, and 225 genera. Genera in Peru are compared to the total number of genera in the Neotropical region and globally in Table 1. A total of 364 taxa were originally described from Peru, this is noted with an asterisk [*] in the checklist, along with the presumably endemic status for 226 of these taxa.

The 353 Peruvian localities reported are mapped on Figure 1 and listed with coordinates and altitude in Appendix 1. The complete occurrence data are published

Table 1. Aculeate Hymenoptera families present in Peru. Approximate number of genera of each family are indicated for Peru/Neotropical region/Globally based on this study and Hanson and Gauld (2006). Subfamilies present in Peru are also indicated, including the approximate number of genera in the country for each.

The apoïd families

Ampulicidae (1/3/6)
Crabronidae (57/116/233)
 Astatinae (1)
 Bembicinae (18)
 Crabroninae (28)
 Pemphredoninae (8)
 Philanthinae (2)
Sphecidae (12/14/19)
 Ammophilinae (2)
 Chloriontinae (1)
 Sceliphrinae (6)
 Sphecinae (3)

The chrysidoid families

Bethylidae (13/27/82)
 Bethylinae (1)
 Epyrinae (8)
 Pristocerinae (4)
Chrysididae (12/25/80)
 Amiseginae (2)
 Chrysidinae (9)
 Cleptinae (1)
Dryinidae (9/21/40)
 Anteoninae (2)
 Aphelopinae (2)
 Dryininae (2)
 Gonatopodinae (3)
Embolemidae (1/2/2)

Plumariidae (1/3/5)
Sclerogibbidae (1/1/4)
Scolebythidae (1/2/4)

The vespoid families

Bradynobaenidae (0/5/8)
Mutillidae (18/47/150)
 Mutillinae (2)
 Sphaerophthalminae (16)
Pompilidae (33/57/135)
 Ceropalinae (2)
 Ctenocerinae (1)
 Pepsinae (14)
 Pompilinae (15)
 Unknown position
 [=Notocyphinae] (1)
Rhopalosomatidae (2/3/4)
Sapygidae (0/3/12)
Scoliidae (1/2/22)
 Campsomerinae (1)
Tiphidae (11/35/120)
 Anthoboscinae (1)
 Myzinae (1)
 Thynninae (6)
 Tiphinae (3)
Vespididae (53/71/261)
 Eumeninae (32)
 Masarinae (2)
 Polistinae (19)

in addition as a downloadable file (online supplementary material, Appendix 2) and were uploaded onto GBIF infrastructure simultaneously with the publication process. Two kml files for viewing interactively species-by-locality (online supplementary material, Appendix 3: indexed by family, genus, species) or locality alone (online supplementary material, Appendix 4: indexed by name) in Google Earth (<http://earth.google.com/>) are available for download as well. As most of the localities indicated on the collecting labels are only points of reference (mostly to nearest city), the georeferenced points in Appendix 1 and the KML files are only indicative of the coarse collecting locality, likely not the exact locality where the specimens were captured. We used data from Lamas (1976), Stephens and Traylor (1983), and an extensive collection of topographical maps in the Department of Entomology at Museo de Historia Natural (Lima) to compile information about collecting localities. The best sampled Departments are Lima (42 different localities) and Cusco (41), whereas most species have been reported from Huánuco (347 species), mainly in the area around Tingo Maria, while Moquegua has no wasps or localities recorded at all. The abbreviations for Department used in the checklist are as follows, including the total number of taxa reported for each Department: *AM*, Amazonas (50); *AN*, Ancash (13); *AP*, Apurímac (29); *AR*, Arequipa (28); *AY*, Ayacucho (29); *CA*, Cajamarca (53); *CU*, Cusco (260); *HU*, Huánuco (347); *HV*, Huancavelica (6); *IC*, Ica (5); *JU*, Junín (263); *LA*, Lambayeque (44); *LI*, Lima (100); *LL*, La Libertad (43); *LO*, Loreto (267); *MD*, Madre de Dios (158); *MO*, Moquegua (0); *PA*, Pasco (96); *PI*, Piura (47); *PU*, Puno (16); *SM*, San Martín (79); *TA*, Tacna (7); *TU*, Tumbes (16); *UC*, Ucayali (141).

The Apoid Families

AMPULICIDAE

Only an undetermined species of *Ampulex* was recorded from Peru by Cambra (1993).

Ampulex Jurine, 1807

1. sp.: MD (Pakitza)

CRABRONIDAE

Bohart and Menke (1976) and Menke and Fernández (1996) provided keys for identifications of the genera. The latter key is bilingual in English and Spanish for all the Neotropical genera. Amarante (2002) listed all Neotropical species, while Pulawski (2009a, b) listed all taxonomic literature and world species of Crabronidae and Sphecidae. Hanson and Gauld (2006) and Fernández and Sharkey (2006) provided keys to the subfamilies and tribes of Crabronidae and Sphecidae.

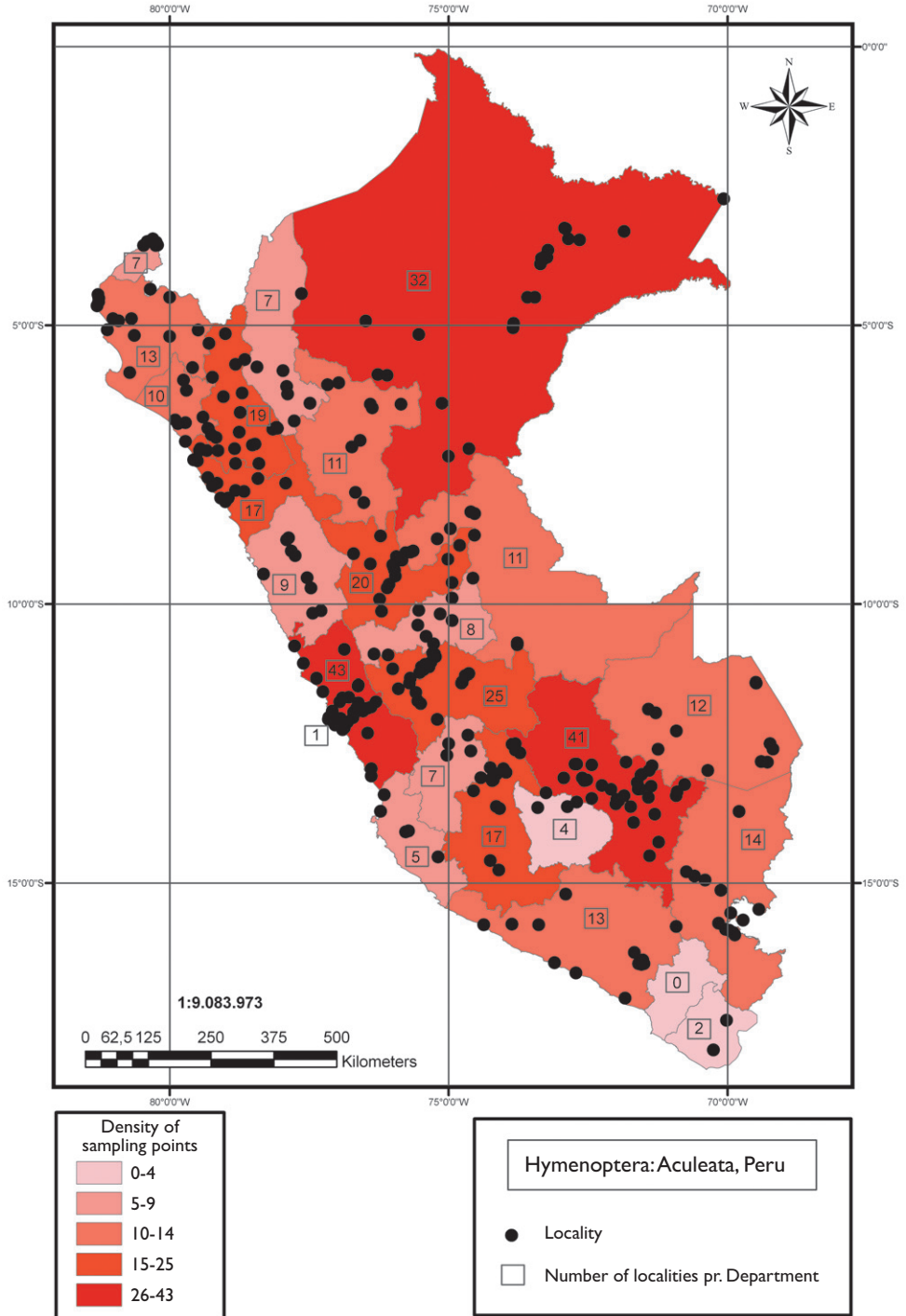


Figure 1. Map of Peru with the 353 collecting localities marked. Density of collecting points for each department is indicated by color intensity.

Astatinae*Astata* Latreille, 1796 [Parker 1968]

2. *alpaca* F. Parker, 1968: *, LI (Cañete, Lima)
3. *australasiae* Shuckard, 1838: CU (Cusco), (= *chilensis* de Saussure, 1854, = *dimidiata* Taschenberg, 1880)

Bembicinae**Bembicini***Argogorytes* Ashmead, 1899 [Bohart 2000]

4. *areatus* (Taschenberg, 1875): HU (Tingo María)
5. *umbratilis* R. Bohart, 2000: CU (Cusco)

Bembecinus A. Costa, 1859 [Willink 1949]

6. *agilis* (F. Smith, 1856)
7. *bolivari* (Handlirsch, 1892): AY, HU (Pachitea, Tingo María), HV, JU (La Merced), PA (Puerto Bermúdez)

Bembix Fabricius, 1775 [Parker 1929]

8. *citripes* Taschenberg, 1870: LL (Chicama)

Bicyrtes Lepeletier de Saint Fargeau, 1845 [Bohart 1996]

9. *chilicola* R. Bohart, 1996: LA (Lambayeque)
10. *discisus* (Taschenberg, 1870): HU (Palcazu), LI, LO (La Sombra), MD (Pakitzá)
11. *odontophorus* (Handlirsch, 1889): *, LO (Nauta), PA (Puerto Bermúdez)
12. *variegatus* (Olivier, 1789): MD (Pakitzá)

Clitemnestra Spinola, 1851 [Bohart 2000]

13. *championi* (Cameron, 1890)
14. *lissa* R. Bohart, 2000: *, LI (Chosica)
15. *puyo* R. Bohart, 2000: HU (Tingo María)
16. *sanambrosiana* (Pérez D'Angello, 1980): HU (Huánuco), LI (Lima)
17. *schlingereri* R. Bohart, 2000: Endemic*, HU (Monzón)
18. *vardyorum* R. Bohart, 2000: *, CU (Cusco), LI ("Ocean cliff")

Hoplisoides Gribodo, 1884 [Bohart 2000]

19. *feae* (Handlirsch, 1895): Endemic*, PI (Palo Negro)
20. *fuscus* (Taschenberg, 1875)
21. *helvolus* R. Bohart, 2000: LA (Lambayeque)
22. *jordani* (Handlirsch, 1895): LI (Matucana)
23. *peruvicus* R. Bohart, 2000: Endemic*, LI (San Bartolomé), LL (Samne)
24. *rasilis* R. Bohart, 2000: Endemic*, LI (Cupiche, Surco)
25. *vespoides* (F. Smith, 1873)

Megistommum Schulz, 1906 [Bohart 2000]

26. *nigriceps* (F. Smith, 1873)
27. *procerum* (Handlirsch, 1888): HU (Tingo María), UC (Ucayali)

Microbembex Patton, 1879 [Parker 1929]

28. *ciliata* (Fabricius, 1804): JU, LI, PI
29. *equalis* J. Parker, 1929: *, AR (Tingo)

Neogorytes R. Bohart in Bohart & Menke, 1976 [Bohart 2000]

30. *ecuadorae* R. Bohart in Bohart & Menke, 1976

31. *incaorum* R. Bohart, 2000: Endemic*, AM (Chachapoyas), CU (Machu Picchu)

Rubrica J. Parker, 1929 [Parker 1929]

32. *denticornis* (Handlirsch, 1890): LI, PI

33. *nasuta* (Christ, 1791): LI (La Molina), PI, SM, (= *surinamensis* De Geer, 1778, = *canadensis* Cabrera la Rosa, 1993 *nomen nudum*)

Sagenista R. Bohart, 1967 [Bohart 2000]

34. *brasiliensis* (Shuckard, 1838)

35. *cayennensis* (Spinola, 1841)

36. *scutellaris* (Spinola, 1841)

Sphecius Dahlbom, 1843

37. *spectabilis* (Taschenberg, 1875): SM (Tarapoto) [new record]

Stenogorytes Schrottky, 1911 [Bohart 2000]

38. *facilis* (F. Smith, 1873)

39. *melanogaster* (Schrottky, 1911): CU (Cusco), HU (Tingo María)

Stictia Illiger, 1807 [Parker 1929]

40. *andrei* (Handlirsch, 1890): LO (Nauta)

41. *croceata* (Lepelletier de Saint Fargeau, 1845): Endemic*, HU (Iparía), LO (Nauta), (= *proserpina* Handlirsch, 1890)

42. *decorata* (Taschenberg, 1870)

43. *infracta* J. Parker, 1929: Endemic*, PI (Piura)

44. *maculata* (Fabricius, 1804): JU (El Campamento), UC

45. *punctata* (Fabricius, 1775)

46. *signata* subsp. *signata* (Linnaeus, 1758): AR, AY, HV, LI (La Molina, Lima)

47. *signata* subsp. *aricana* Lohrmann, 1948

48. *sombrana* J. Parker, 1929: Endemic*, LO (La Sombra)

Trichostictia J. Parker, 1929 [Parker 1929]

49. *brunneri* J. Parker, 1929: AR, LI (Lima)

50. *vulpina* (Handlirsch, 1890): LI, HU

Zyzzyx Pate, 1937

51. *chilensis* (Eschscholz, 1822): (= *peruvianus* Guérin-Ménéville, 1835)

Nyssonini

Foxia Ashmead, 1898

52. *divergens* (Ducke, 1903): MD (Pakitza)

Metanysson Ashmead, 1899 [1 sp.: MD (Pakitza)] [Cambra 1993]

53. sp/spp.

Crabroninae

Bothynostethini

Bothynostethus Kohl, 1884 [1 sp.: MD (Pakitza)] [Cambra 1993]

54. sp/spp.

Scapheutes Handlirsch, 1887 [Menke & Vardy 1980]

- 55. *brasilianus* Handlirsch, 1895: HU (Tingo María), UC (Pucallpa)
- 56. *flavopictus* (F. Smith, 1860)
- 57. *laetus* (F. Smith, 1860): CU (Quincemil), HU (Previsto, Tingo María), JU (Chanchamayo), UC (Pucallpa)

Crabronini [Leclercq 1954]

Alinia Antropov, 1993

- 58. *alinae* Leclercq, 1993

Anacrabro Packard, 1866 [Leclercq 1996]

- 59. *benoistianus* Leclercq, 1951: HU (Tingo María)
- 60. *meridionalis* Ducke, 1908: LO (Iquitos)

Chimila Pate, 1944 [Leclercq 1980, 2005c]

- 61. *mocoana* Leclercq, 1980: CU (Quincemil)

Crossocerus Lepeletier & Brullé, 1835 [Leclercq 2000]

Subgenus: *Blepharipus* Lepeletier & Brullé, 1835

- 62. *callani* Pate, 1941: *, no locality given, (= *potosus* Leclercq, 1968)
- 63. *pignatus* Leclercq, 1968: CU (Callanga)
- 64. *porexus* Leclercq, 1968: AM (Rodríguez de Mendoza)

Echucoides Leclercq, 1957 [Leclercq 1957]

- 65. *cercericus* (Leclercq, 1957): *, CU (Callanga)
- 66. *piratus* (Leclercq, 1957): Endemic*, CU (Callanga)

Ectemnius Dahlbom, 1845 [Leclercq 1972, 1991]

- 67. *aztecus* subsp. *peruvianus* Leclercq, 1991: Endemic*, AM (Chachapoyas)
- 68. *basiflavus* (Brèthes, 1910): HU (Tingo María), LL (Moche), UC (Yarinacocha)
- 69. *carinatus* (F. Smith, 1873): HU (Tingo María)
- 70. *domingensis* Leclercq, 1950: LA (Olmos)
- 71. *schwarzi* subsp. *servitorius* Leclercq, 1972: JU (Chanchamayo)

Enoplolindenius Rohwer, 1911

Subgenus: *Enoplolindenius* Rohwer, 1911

- 72. *pugnans* (F. Smith, 1873): *, PA (Puerto Bermúdez), (= *aymara* Pate, 1942)
- Subgenus: *Iskutana* Pate, 1942
- 73. *callangae* Leclercq, 1968: Endemic*, CU (Callanga)

Entomocrabro Kohl, 1905 [Leclercq 1981, 2006]

- 74. *amahuaca* Pate, 1941: *, LO (Explorama), PA (Puerto Bermúdez), SM (Rioja)
- 75. *duckei* (Kohl, 1905): MD (Pakitzta)
- 76. *rurrenus* Leclercq, 1980: MD (Pakitzta)
- 77. *sacuya* Pate, 1941: Endemic*, MD (Pakitzta), PA (Puerto Bermúdez)
- 78. *sagax* Leclercq, 2006: Endemic*, AM (Chachapoyas)

Foxita Pate, 1942 [Leclercq 1980, 2005b]

- 79. *bara* subsp. *patei* Leclercq, 1951: CU (Quincemil)
- 80. *beieri* Leclercq, 1955: AM (Rodríguez de Mendoza)
- 81. *benitiana* Leclercq, 1980: MD (Pakitzta)

82. *senci* Pate, 1942: JU, PA (Puerto Bermúdez)
- Lestica* Billberg, 1820
83. *sculpturata* (F. Smith, 1873)
- Pae* Pate, 1944 [Leclercq 1995, 2005a]
84. *amaripa* Pate, 1944: HU (Tingo María), MD (Puerto Maldonado)
 85. *nasicornis* (F. Smith, 1873): AM (Rodríguez de Mendoza), CU (Quincemil), JU (Chanchamayo), PA (Oxapampa, Puerto Bermúdez)
- Parataruma* Kimsey, 1982 [Leclercq 2005c]
86. *leclercqi* Kimsey, 1982: JU (Satipo)
- Podagritus* Spinola, 1851 [Leclercq 1999]
- Subgenus: *Podagritus* Spinola, 1851
87. *aemulans* (Kohl, 1905): AR, AY, CU, JU (Jauja), LI, TA
 88. *aricae* subsp. *aricae* Leclercq, 1957: JU (Jauja), TA
 89. *aricae* subsp. *carrascoi* Fritz, 1971: Endemic*, CU (Cusco), JU
- Subgenus: *Parechuca* Leclercq, 1970
90. *acollae* Leclercq, 1970: Endemic*, CU (Acomayo, Callanga, Chocco, Cusco, Sacsayhuaman), JU (Acolla), (= *exegetus* Leclercq, 1970)
 91. *caelebs* Leclercq, 2000: Endemic*, AM (Leimebamba)
 92. *cuzcosus* Leclercq, 1982: Endemic*, AR, CU (Cusco, Lucre, Písaq, Urubamba)
 93. *garciianus* Leclercq, 1982: Endemic*, CU (Cusco, Lucre, Urubamba)
 94. *martini* Leclercq, 2000: *, AM (Rodríguez de Mendoza)
 95. *matucanae* Leclercq, 2000: Endemic*, AM (Chachapoyas), LI (Matucana)
 96. *pasconus* Leclercq, 1982: *, PA (Oxapampa)
 97. *pecunius* Leclercq, 1982: AR (Arequipa), CU (Urubamba), (= *geraesae* Leclercq, 1957 *nec* 1951)
 98. *picchusus* Leclercq, 1982: Endemic*, AM (Chachapoyas), CU (Machu Picchu)
 99. *pius* (Strand, 1910): AM (Chachapoyas, Rodríguez de Mendoza), PA (Oxapampa), (= *geraesae* Leclercq, 1951)
 100. *rhopaloides* Leclercq, 1951: LI (Matucana)
 101. *subandinus* Leclercq, 1982: Endemic*, LI (Atocongo)
- Quexua* Pate, 1942 [Leclercq 2002a, 2005a]
102. *cashibo* Pate, 1942: *, JU (Perené), LO (Iquitos), MD (Pakitzta, Tambopata), PA (Pichis, Puerto Bermúdez)
 103. *inca* Leclercq, 1955: *, CU (Callanga)
 104. *manuta* Leclercq, 1980: Endemic*, CU (Quincemil)
 105. *nericata* Leclercq, 1980
 106. *pano* Pate, 1942: *, JU, MD (Pakitzta), PA (Puerto Bermúdez)
 107. *ricata* Leclercq, 1955: MD (Pakitzta)
 108. *verticalis* (F. Smith, 1873): LO (La Sombra), MD (Pakitzta), PA (Puerto Bermúdez), (= *llameo* Pate, 1942)
 109. *witoto* Pate, 1942: LO (La Sombra)

Rhopalum Stephens, 1829 [Leclercq 2002b]

- 110. *cajanum* Leclercq, 1970: AM (Chachapoyas, Leimebamba, Río Sonche)
- 111. *caldaux* Leclercq, 2002: CU (Machu Picchu), PA (Oxapampa)
- 112. *caudinum* Leclercq, 2002: Endemic*, AM (Rodríguez de Mendoza)
- 113. *cumbayae* Leclercq, 2002: Endemic*, AM (Chachapoyas), CA (Cajamarca)
- 114. *deroanni* Leclercq, 2002: Endemic*, AM (Chachapoyas)
- 115. *exultatum* Leclercq, 1970: AM (Chachapoyas)
- 116. *faustum* Leclercq, 2002: Endemic*, AM (Rodríguez de Mendoza)
- 117. *grenadinum* (Pate, 1947): LI, MD (Pakitza)
- 118. *mycenum* Leclercq, 2002: Endemic*, AM (Rodríguez de Mendoza), HU (Tingo María)
- 119. *nicaraguaense* Cameron, 1905: AM (Chachapoyas), HU (Tingo María), JU (El Campamento)
- 120. *palmarae* Leclercq, 2002: CU (Quincemil)
- 121. *potosium* Leclercq, 1970: CU (Cosñipata, Quincemil), HU (Tingo María), JU (San Ramón), MD (Avispas, Pakitza)
- 122. *rorator* Leclercq, 2002: HU (Tingo María)
- 123. *rossi* Leclercq, 2002: Endemic*, HU (Tingo María)
- 124. *rumipambae* Leclercq, 1970: AM (Chachapoyas)
- 125. *rutrax* Leclercq, 2002: AM (Rodríguez de Mendoza)
- 126. *terzoi* Leclercq, 2002: AM (Chachapoyas)
- 127. *tingonum* Leclercq, 2002: Endemic*, HU (Carpish)
- 128. *wileyi* Leclercq, 2002: AM (Rodríguez de Mendoza)
- 129. *zethus* Leclercq, 2002: AM (Leimebamba)

Larrini*Larra* Fabricius, 1793 [Menke 1992]

- 130. *altamazonica* Williams, 1928: CU, HU, JU, LO, MD (Pakitza), UC
- 131. *bicolor* Fabricius, 1804: HU, JU, LO, UC
- 132. *godmani* Cameron, 1889: CA?, HU, JU, LO, MD, UC
- 133. *praedatrix* (Strand, 1910): HU
- 134. *princeps* (F. Smith, 1851): HU

Liris Fabricius, 1804

Subgenus: *Leptolarra* Cameron, 1900

- 135. *inca* Amarante, 2002: Endemic*, CU (Cusco), (=peruanus Brèthes, 1924)
- 136. *plebejus* (Taschenberg, 1870)
- 137. *politicus* (Dalla Torre, 1897)
- 138. *rufipennis* Fabricius, 1804

Subgenus: *Motes* Kohl, 1897

- 139. *peruanus* (Brèthes, 1924): Endemic*, LI?

Tachysphex Kohl, 1883 [Pulawski 1974]

- 140. *inconspicuus* (W.F. Kirby, 1890): LA (Chiclayo), MD (Avispas, Pakitza), UC (Pucallpa)
- 141. *iridipennis* (F. Smith, 1873): JU?-MD? (Río Colorado), UC (Pucallpa)

142. *peruanus* Pulawski, 1986: Endemic*, LA (Lambayeque), LI (Chosica, Matucana)
143. *ruficaudis* (Taschenberg, 1870): LO (Iquitos), MD (Avispas)
- Tachytes* Panzer, 1806 [Bohart 1979]
144. *amazonus* F. Smith, 1856: AP (Abancay), AY (Ninabamba), CU (Limatambo, Lucre, Miravalle, Urubamba), (= *tuberculatus* Giner Marí, 1944)
145. *andesae* R. Bohart, 1979: *, CU (Cusco, Miravalle)
146. *aurovestitus* F. Smith, 1873: MD (Avispas)
147. *chrysopyga* subsp. *chrysopyga* (Spinola, 1841)
148. *concinus* F. Smith, 1856: AY (Río Pampas), CU
149. *costalis* Taschenberg, 1870: HU (Tingo María), JU, UC
150. *flagellarius* R. Bohart, 1979: UC (Pucallpa)
151. *fraternus* Taschenberg, 1870
152. *hades* Schrottky, 1903: HU (Tingo María)
153. *jucundus* F. Smith, 1856: UC (Pucallpa)
154. *leprieurii* (Spinola, 1841): HU, LO
155. *menkei* R. Bohart, 1979: LO (San Antonio), UC (Yarinacocha)
156. *micantipygus* Strand, 1910: UC (Pucallpa)
157. *pretiosus* Cameron, 1912: LO
158. *pubescens* R. Bohart, 1979: HU (Tingo María), MD (Avispas), UC (Pucallpa)
159. *rhododactylus* Taschenberg, 1870: LO (Iquitos)
160. *richardsi* R. Bohart, 1979
161. *roraimae* R. Bohart, 1979: MD (Avispas)
162. *schlingeri* R. Bohart, 1979: Endemic*, JU (Perené)
163. *simulans* F. Smith, 1873: HU, JU, LI, LO, PU
164. *vardyi* R. Bohart, 1979: HU (Tingo María), UC (Pucallpa)

Miscophini

Lyroda Say, 1837

165. *concinna* (F. Smith, 1856)

Nitela Latreille, 1809

166. *menkei* van Zuijlen, 1994: *, LO (Iquitos)

Oxybelini

Oxybelus Latreille, 1796 [Bohart 1992, 1993ab]

167. *andinus* Brèthes, 1913
168. *aurifrons* F. Smith, 1856
169. *catamarcensis* (Schrottky, 1909)
170. *fritzi* R. Bohart, 1993: (= *modestus* Brèthes, 1913)
171. *genisei* R. Bohart, 1993
172. *marginatus* F. Smith, 1856
173. *paraguayensis* Brèthes, 1909
174. *peruensis* R. Bohart, 1993: *, HU (Tingo María)
175. *peruvicus* R. Bohart, 1993: *, HU (Tingo María), JU (Chanchamayo), MD (Puerto Maldonado)

- 176. *schlingeri* R. Bohart, 1993: LI (Chancay), LL (Moche, Trujillo)
- 177. *slanskyae* R. Bohart, 1993: *, HU (Tingo María)
- 178. *vardyi* R. Bohart, 1993: Endemic*, LA (Chiclayo), LI (Chancay, Cieneguilla, Lurín), LL (Moche)

Trypoxylini

Aulacophilus F. Smith, 1869

- 179. *eumenoides* Ducke, 1904: LO (Iquitos)
- 180. *vespoides* F. Smith, 1869

Pison Jurine in Spinola, 1808 [Menke 1988]

- 181. *arachniraptor* Menke, 1988: CU (Quincemil), HU (Monzón)
- 182. *aranevorax* Menke, 1988: HU (Monzón)
- 183. *cameronii* Kohl, 1893: MD (Avispas), UC (Pucallpa)
- 184. *chrysops* Menke, 1988: HU (Divisoria)
- 185. *conforme* F. Smith, 1869: MD (Avispas)
- 186. *convexifrons* Taschenberg, 1870: MD (Pakitza)
- 187. *cooperi* Menke, 1988: HU (Monzón), MD (Pakitza)
- 188. *cressoni* Rohwer, 1911: HU (Cueva de las Pavas, Monzón), JU (Chanchamayo), UC (Pucallpa)
- 189. *delicatum* Menke, 1988: AM (Rodríguez de Mendoza), CU (Quillabamba), HU (Tingo María), JU (Chanchamayo, San Ramón), MD (Pakitza)
- 190. *eremnon* Menke, 1988: HU (Pachitea), PA (Puerto Bermúdez)
- 191. *eu* Menke, 1988: CU (Quincemil), HU (Tingo María)
- 192. *gnythos* Menke, 1988: MD (Tambopata)
- 193. *larsoni* Menke, 1988: CU (Cosñipata)
- 194. *maculipenne* F. Smith, 1860: JU (El Campamento), UC (Pucallpa)
- 195. *pilosum* F. Smith, 1873: HU (Tingo María), PA (Puerto Bermúdez), UC (Pucallpa)
- 196. *spaerophallus* Menke, 1988: HU (Tingo María)
- 197. *styphopteron* Menke, 1988: *, CU (Quincemil), MD (Avispas)
- 198. *sylphe* Menke, 1988: Endemic*, CA (Cajamarca), LL (Samne)
- 199. *wasbaueri* Menke, 1988: MD (Pakitza)

Pisoxylon Menke, 1968

- 200. *xanthosoma* Menke, 1968: *, UC (Pucallpa)

Trypoxylon Latreille, 1796 [Richards 1934]

Subgenus: *Trypoxylon* Latreille, 1796

- 201. *oculare* Menke, 1968
 - 202. *shannoni* Richards, 1934: Endemic*, LI (Chosica)
 - 203. *staudingeri* Richards, 1934: Endemic*, CU (Vilcanota)
- Subgenus: *Trypargilum* Richards, 1934
- 204. *albitarse* Fabricius, 1804: JU (Chanchamayo), (= *leucotrichium* Rohwer, 1912)
 - 205. *bogotense* Richards, 1934: LO (Pebas)
 - 206. *buchwaldi* Richards, 1934: PI (Piura), TU (Tumbes)
 - 207. *emdeni* Richards, 1934: Endemic*, no locality given

- 208. *nattereri* Richards, 1934: LI (Lima)
- 209. *nitidum* subsp. *nitidum* F. Smith, 1856
- 210. *schnusei* Richards, 1934: Endemic*, no locality given
- 211. *surinamense* Richards, 1934: LO (Pebas)

Pemphredoninae

Pemphredonini

Incastigmus Finnamore, 1995 [Finnamore 2002]

- 212. *caelukhus* Finnamore, 2002: Endemic*, LA (Chiclayo, Olmos), PI (Piura)
- 213. *ceromus* Finnamore, 2002: Endemic*, CU (Aguas Calientes, Machu Picchu, Urubamba), HU (Carpish, Tingo María), PA (Oxapampa)
- 214. *hexagonlis* (Fox, 1897): HU (Tingo María), JU (La Merced, Paratusial, Satipo), LO (Iquitos)
- 215. *ictericornis* Finnamore, 2002: *, HU (Tingo María), MD (Puerto Maldonado)
- 216. *inti* Finnamore, 1995: CU (Aguas Calientes, Machu Picchu, Quincemil), HU (Cayumba, Las Palmas, Magdalena, Monzón, Tingo María), JU (La Merced, Satipo), LO (Iquitos, Quistococha), MD (Puerto Maldonado, Tambopata), SM (Tocache), UC (Pucallpa)
- 217. *iphis* Finnamore, 2002: CU (Quillabamba, Quincemil), LO (Quistococha)
- 218. *kunkopteryx* Finnamore, 2002: *, CU (Machu Picchu), HU (Tingo María), JU (Chanchamayo), LO (Iquitos)
- 219. *mauracis* Finnamore, 2002: CU (Machu Picchu)
- 220. *mytior* Finnamore, 2002: *, CU (Aguas Calientes, Machu Picchu), HU (Huánuco)
- 221. *neotropicus* (Kohl, 1890): AP (Cuya), CU (Machu Picchu, Quincemil, Quillabamba), HU (Cueva de las Pavas, Huánuco, Monzón, Tingo María), JU (Satipo), MD (Puerto Maldonado)
- 222. *pyrrhopyxis* Finnamore, 2002: LO (Iquitos)
- 223. *trichodocerus* Finnamore, 2002: CA (Querocotillo), CU (Quillabamba), HU (Tingo María), JU (Satipo)

Llaqhastigmus Finnamore, 1995 [Finnamore 1995]

- 224. *jatunkirus* Finnamore, 1995: CU (Aguas Calientes, Machu Picchu), HU (Carpish, Tingo María), PA (Oxapampa)
- 225. *llutanis* Finnamore, 1995: Endemic*, CU (Machu Picchu)
- 226. *muthus* Finnamore, 1995: *, LI (Chancay, Chosica, Cupiche, Lima, San Bartolomé, Surco), LL (Samne)
- 227. *nigricollaris* Finnamore, 1995: HU (Carpish, Tingo María)
- 228. *sapanis* Finnamore, 1995: *, CU (Machu Picchu)
- 229. *shachus* Finnamore, 1995: *, HU (Huánuco)

Microstigmus Ducke, 1907

- 230. *puncticeps* Melo & Matthews, 1997: LO (Iquitos)

Spilomena Shuckard, 1838

- 231. *catamarca* Antropov, 1992

- 232. *peruensis* Dollfuss, 1982: *, CU (Urubamba)
- 233. *rossi* Antropov, 1993: Endemic*, HU (Tingo María)
- 234. *schlingeri* Antropov, 1993: *, HU (Huánuco)
- 235. *spinosa* Antropov, 1992: Endemic*, JU (Perené)

Stigmus Panzer, 1804

- 236. *nigricoxis* Strand, 1911: Endemic* (Ecuador instead?)

Psenini

Pluto Pate, 1937 [van Lith 1979]

- 237. *denticollis* van Lith, 1979: Endemic*, no locality given
- 238. *marthae* van Lith, 1979: HU (San Jorge, Tingo María, Yurac), LO (San Antonio), PA (Puerto Bermúdez), UC (Pucallpa, Yarinacocha)
- 239. *nitens* van Lith, 1979: CU (Quincemil), HU (Monzón, Tingo María, Yurac), MD (Manú), PA (Puerto Bermúdez)
- 240. *occipitalis* van Lith, 1979: Endemic*, LO (San Antonio)
- 241. *pygmaeus* subsp. *pygmaeus* (Brèthes, 1913): HU (Tingo María), MD (Avispas)
- 242. *rufanalis* van Lith, 1979: Endemic*, LI (Chancay), PI (Pariñas, Piura)
- 243. *townsendi* (Cockerell, 1911): PI (Piura)
- 244. *trilobatus* van Lith, 1979: MD (Avispas)

Psen Latreille, 1796 [van Lith, 1975]

- 245. *metallicus* van Lith, 1975: Endemic*, JU (Chanchamayo)

Pseneo Malloch, 1933 [van Lith, 1975]

- 246. *aureolus* (van Lith, 1975): CU (Cosñipata), HU (Previsto, Tingo María)
- 247. *auriger* (van Lith, 1975): *, CU (Tambo), UC (Pucallpa)
- 248. *auriventris* (van Lith, 1975): Endemic*, JU (Chanchamayo)
- 249. *calicus* (van Lith, 1975): Endemic*, CU (Tambo)

Philanthinae

Cercerini

Cerceris Latreille, 1802

- 250. *binodis* Spinola, 1841
- 251. *carrascoi* Fritz & Toro, 1974: Endemic*, CU (Lucre, Miravalle, Ollantaytambo, Urubamba)
- 252. *duplicata* Brèthes, 1910: LA, LI [identifications by GR Ferguson]
- 253. *garleppi* Schrottky, 1911: Endemic*, CU
- 254. *intricata* subsp. *graphica* F. Smith, 1873: LI [identifications by GR Ferguson]
- 255. *manca* Fritz & Mariluis, 1979: LI [identifications by GR Ferguson]
- 256. *tingi* Fritz & Mariluis, 1977: Endemic*, HU (Tingo María)

Philanthini

Trachypus Klug, 1810 [Rubio-Espina 1975]

- 257. *caenosus* Rubio-Espina, 1975: *, CU (Quincemil), HU (Monzón)
- 258. *cisminutus* Rubio-Espina, 1975: Endemic*, HU (Monzón), JU (Chanchamayo), MD (Avispas)

- 259. *elongatus* (Fabricius, 1804): HU (Monzón, Tingo María), JU (Perené)
- 260. *peruviensis* Rubio-Espina, 1975: Endemic*, MD (Avispas)
- 261. *petiolatus* (Spinola, 1841): LI (Chosica, Lima), (= *peruanus* Giner Marí, 1944)
- 262. *spgazzinii* Brèthes, 1910: no locality given

SPHECIDAE

See introduction for Crabronidae.

Ammophilinae

Ammophila W.F. Kirby, 1798 [Menke 2004]

- 263. *laeviceps* F. Smith, 1873: (= *chilensis* Reed, 1894)
- 264. *lampei* Strand, 1910: CU, PU, (= *peruvianus* Rohwer, 1913)
- 265. *rufipes* Guérin-Méneville, 1831: LA (Lambayeque), LI (Callao, Cañete, Chosica, Lima), LL (Trujillo), (= *variolosa* Giner Marí, 1944, =? *arenaria* Cabrera la Rosa, 1993 *nomen nudum*)

Eremnophila Menke, 1964

- 266. *opulenta* (Guérin-Méneville, 1838): MD (Pakitzta)

Chloriontinae

Chlorion Latreille, 1802 [Menke & Willink 1964]

- 267. *mirandum* (Kohl, 1890): AM (Santiago), UC (Ucayali)

Sceliphrinae

Chalybion Dahlbom, 1843

- 268. *californicum* (de Saussure, 1867): LI

Dynatus Lepeletier de Saint Fargeau, 1845 [Kohl 1902]

- 269. *nigripes* subsp. *nigripes* (Westwood, 1832): JU

Penepodium Menke in Bohart & Menke, 1976 [Kohl 1902]

- 270. *gorianum* (Lepeletier de Saint Fargeau, 1845)
- 271. *haematogastrum* (Spinola, 1851)
- 272. *mocsaryi* (Kohl, 1902)
- 273. *princeps* (Kohl, 1902)
- 274. *romandinum* (de Saussure, 1867)

Podium Fabricius, 1804 [Kohl 1902]

- 275. *denticulatum* F. Smith, 1856
- 276. *kohlii* Zavattari, 1908
- 277. *plesiosaurus* (F. Smith, 1873): MD (Puerto Maldonado)

Sceliphron Klug, 1801 [van der Vecht & van Breugel 1968]

Subgenus: *Sceliphron* Klug, 1801

- 278. *asiaticum* (Linnaeus, 1758)
- 279. *caementarium* (Drury, 1773): LI, PI (Sullana)

280. *fistularium* (Dahlbom, 1843): JU (Satipo), LI, LO (Yurimaguas), PI (Sullana), UC (Pucallpa)

Trigonopsis Perty, 1833 [Vardy 1978]

281. *cooperi* Vardy, 1978: HU (Tingo María)
 282. *menkei* Vardy, 1978: LO (Iquitos)
 283. *neotropica* Vardy, 1978: *, HU (Tingo María)
 284. *richardsi* Vardy, 1978: *, JU (Satipo), SM (Moyobamba), UC (Pucallpa)
 285. *rufiventris* (Fabricius, 1804): HU (Cayumba, Pachitea), JU (Chanchamayo, El Campamento, Satipo), LO (Iquitos, San Roque, Tapiche, Yurimaguas), MD (Pakitza), UC (Atalaya, B Abad, Pucallpa)
 286. *schunkei* Vardy, 1978: LO (San Roque), UC (Pucallpa)
 287. *succinea* Vardy, 1978: UC (Pucallpa)
 288. *violascens* (Dalla Torre, 1897): AM (Santiago), CU (Cosñipata), HU (Pachitea, Previsto, Tingo María), JU (Chanchamayo), MD (Pakitza)

Spheciniae

Isodontia Patton, 1880

289. *costipennis* (Spinola, 1851): (= *cyanipennis* Fabricius, 1793)
 290. *dolosa* (Kohl, 1895)

Prionyx Vander Linden, 1827

291. *chilensis* (Spinola, 1851)
 292. *erythrogastra* (Rohwer, 1913): *, CU (Cusco)
 293. *herrerai* (Brèthes, 1926): Endemic*, CU (Cusco)
 294. *neoxenus* (Kohl, 1890): AR (Arequipa), LI (La Molina), PU, (= *omissus* Kohl, 1890, = *nigricapillus* Berland, 1926)
 295. *pseudostriatus* (Giner Marí, 1944): Endemic*, LI, (= *vaqueroi* Giner Marí, 1944)
 296. *thomae* (Fabricius, 1775): LI

Sphex Linnaeus, 1758

Subgenus: *Sphex* Linnaeus, 1758

297. *caliginosus* Erichson, 1849
 298. *dorsalis* Lepeletier de Saint Fargeau, 1845: AP, AY, HU
 299. *ichneumoneus* (Linnaeus, 1758): LI (Lima)
 300. *latro* Erichson, 1849
 301. *peruanus* Kohl, 1890: AN, AR (Arequipa), LI (Lima), PU

The Chrysidoid Families

BETHYLIDAE

The species of Bethylidae are listed by Gordh and Móczár (1990). Keys to some of the Peruvian species of Bethylidae are found in Evans (1964), with additional references as listed for each genera. Terayama (2003) presented a key to most known genera of the

world, while Azevedo in Hanson and Gauld (2006) and Vargas-Rojas and Terayama in Fernández and Sharkey (2006) provided keys for the Neotropical genera.

Bethylinae

Goniozus Förster, 1856 [Evans 1964]

302. *peruvianus* (Kieffer, 1910): Endemic*, HU (Pachitea)

Epyrinae

Cephalonomiini

Cephalonomia Westwood, 1833 [Evans 1964]

303. *hyalinipennis* Ashmead, 1893: Found in most of the USA to South America, probably present in Peru

Epyrini

Anisepyris Kieffer, 1905 [Evans 1966a]

304. *bifidus* Evans, 1966: HU (Monzón)
 305. *bogotensis* (Kieffer, 1910): Found in Ecuador and Bolivia, probably present in Peru
 306. *franciscanus* Evans, 1966: JU (El Campamento)
 307. *inca* Evans, 1966: *, CU (Quincemil)
 308. *penai* Evans, 1966: *, LO (La Sombra), MD (Avispas)
 309. *peruvianus* (Kieffer, 1910): *, CU (Vilcanota)

Aspidepyris Evans, 1964

310. *austrinus* Evans, 1967: Found in Ecuador and Bolivia, probably present in Peru

Bakeriella Kieffer, 1910 [Evans 1964, 1966c, 1979, Azevedo *et al.* 2005]

311. *depressa* Kieffer, 1910: *, CU (Marcapata)
 312. *inca* Evans, 1964: *, HU (Monzón), PA (Puerto Bermúdez)
 313. *montivaga* (Kieffer, 1910): *, CU (Cajón, Cosñipata, Marcapata), HU (Pachitea)
 314. *polita* Evans, 1964: CU (Cosñipata, Marcapata), HU (Monzón, Tingo María)
 315. *quinquepartita* (Kieffer, 1910): Endemic*, CU (Marcapata)
 316. *reclusa* (Evans, 1969): Found in Ecuador and Bolivia, probably present in Peru
 317. *rossi* Evans, 1964: HU (Tingo María)
 318. *subcarinata* Evans, 1966: Endemic*, CU (Quincemil), HU (Tingo María)

Epyris Westwood, 1832 [Evans 1969c]

319. *flavicus* Kieffer, 1910: *, CU (Marcapata), HU (Monzón, Tingo María)
 320. *isthmicus* Evans, 1969: LO (Putumayo)
 321. *marcapata* Evans, 1969: *, CU (Quincemil)
 322. *montivagus* Kieffer, 1910: *, CU (Cajón, Cosñipata, Marcapata), HU (Monzón, Pachitea), MD (Avispas), PA (Dos de Mayo)
 323. *schlingeri* Evans, 1969: Endemic*, HU (Monzón)

324. *subspinosus* Kieffer, 1910: Found in Ecuador and Bolivia, probably present in Peru

Holepyris Kieffer, 1905 [Evans 1977]

325. *micidus* Evans, 1977: JU (Perené), LI (Lima)

Rhabdepyris Kieffer, 1904 [Evans 1965a, Stein & Azevedo 2007]

326. *callosus* Stein & Azevedo, 2007: Endemic*, LO (Iquitos)
 327. *demissus* Stein & Azevedo, 2007: Endemic*, MD (Panticolla)
 328. *minutulus* Evans, 1965: Endemic*, no locality given
 329. *muesebecki* Evans, 1966: Found in Ecuador and Bolivia, probably present in Peru
 330. *muscarius* (Westwood, 1874): CU
 331. *peruvianus* Kieffer, 1910: Endemic*, CU (Vilcanota)
 332. *septemlineatus* Kieffer, 1906: MD (Pakitza, Panticolla)
 333. *virescens* Evans, 1965: HU (Pachitea)

Sclerodermini

Sclerodermus Latreille, 1809 [Evans 1964, 1968a]

334. *macrogaster* (Ashmead, 1887): Found in Ecuador and Bolivia, probably present in Peru

Pristocerinae

Dissomphalus Ashmead, 1893 [Alencar & Azevedo 2006, 2008, Azevedo 1999, 2001, 2003]

335. *divaricatus* Alencar & Azevedo, 2008: *, LO (Iquitos)
 336. *falciformis* Azevedo, 2001: HU (Tingo María)
 337. *filus* Azevedo, 2003: CU (Quincemil)
 338. *forceps* Alencar & Azevedo, 2008: MD (Avispas)
 339. *hemisphaericus* Azevedo, 2003: LO (Iquitos)
 340. *largimanus* Azevedo, 2001: CU (Quillabamba)
 341. *longipilosus* Azevedo, 2001: *, MD (Puerto Maldonado)
 342. *mandibulatus* Azevedo, 2003: HU (Tingo María)
 343. *megomphalus* Evans, 1969: PA (Puerto Bermúdez)
 344. *montanus* (Kieffer, 1910): Endemic*, CU (Cosñipata)
 345. *napo* Evans, 1979: LO (Iquitos)
 346. *plaumanni* Evans, 1964: CU (Alto Sambaray)
 347. *punctatus* (Kieffer, 1910): *, CU (Cajón), LO (Iquitos, Varillal)
 348. *scavatus* Azevedo, 1999: CU (Quillabamba), JU (Satipo), MD (Puerto Maldonado)
 349. *signatus* Alencar & Azevedo, 2008: *, HU (Tingo María)
 350. *sinatus* Alencar & Azevedo, 2006: HU (Tingo María), JU (Satipo)
 351. *subtriangularis* Azevedo, 2001: MD (Puerto Maldonado)
 352. *tetracerutus* Azevedo, 2001: CU (Quillabamba), HU (Tingo María), SM (Tocache)
 353. *uber* Alencar & Azevedo, 2006: HU (Tingo María)

Parascleroderma Kieffer, 1904 [Evans 1967a]

354. *pucallpa* Evans, 1967: Endemic*, UC (Pucallpa)

Pristocera Klug, 1808, (= *Apenesia* Westwood, 1874) [Evans 1963, 1966b]

355. *bugabensis* (Cameron, 1888): HU (Tingo María)

356. *cusco* Evans, 1966: Endemic*, CU (Machu Picchu)

357. *inca* Evans, 1963: *, HU (Pachitea, Tingo María), MD (Avispas), PA (Dos de Mayo)

358. *neotropica* Evans, 1963: JU (Perené)

359. *nitida* (Kieffer, 1910): *, CU (Cosñipata, Quincemil), HU (Tingo María)

360. *peruana* Evans, 1963: *, CU (Marcapata, Quincemil), JU (El Campamento), (= *punctatus* Kieffer, 1910)

361. *truncaticeps* (Kieffer, 1910): HU (Tingo María)

Pseudisobrachium Kieffer, 1904 [Evans 1964, 1966b, Azevedo 2008]

362. *angulatum* Evans, 1964: Endemic*, LO (Iquitos)

363. *crassicornis* (Westwood, 1874)

364. *distans* (Kieffer, 1910): Endemic*, CU (Cosñipata)

365. *porteri* Evans, 1966: *, CU (Machu Picchu), HU (Tingo María)

CHRYSIDIDAE

Key to world genera and species list is provided by Kimsey and Bohart (1990) and generic key for the Neotropical region by Kimsey in Fernández and Sharkey (2006).

Amiseginae

Adelphe Mocsáry, 1890 [Kimsey 2008]

366. *leuropos* Kimsey, 2008: LO

367. ?*metallica* (Kieffer, 1910)

Amisega Cameron, 1888 [Kimsey 1990]

368. sp/spp.

Chrysidinae

Chrysidini

Caenochrysis Kimsey & Bohart, 1981 [Linsenmaier 1984]

369. *amazonica* (Mocsáry, 1889), “*tridens*-group”

370. *apposita* (Linsenmaier, 1984), “*armata*-group”

371. *crotonis* (Ducke, 1907): JU (Chanchamayo), (= *linigera* Linsenmaier, 1984), “*armata*-group”

372. *extera* (Linsenmaier, 1984), “*tridens*-group”

373. *imminenta* (Linsenmaier, 1984), “*tridens*-group”

374. *limaca* (Linsenmaier, 1984): Endemic*, LI, “*pumilla*-group”

375. *mathani* (Ducke, 1907), “*cyanea*-group”

376. *mucronata* (Brullé, 1846), “*tridens*-group”

377. *parvula* (Fabricius, 1804): CU (Vilcanota), HU (Cordillera Azul), (= *peruensis* Mocsáry, 1914, = *chrysofascialis* Linsenmaier, 1984), “*tridens*-group”
 378. *quadriramosa* (Mocsáry, 1911): *, CU (Vilcanota), “*armata*-group”
 379. *silvestrii* subsp. *silvestrii* (Ducke, 1904), “*silvestrii*-group”
 380. *silvestrii* subsp. *garciai* (Linsenmaier, 1984): Endemic*, HU (Iparía), “*silvestrii*-group”
 381. *taschenbergi* (Mocsáry, 1889), “*cyanea*-group”
- Chrysis* Linnaeus, 1761 [Bohart 1985a, Linsenmaier 1987]
382. *alta* R. Bohart, 1985: Endemic*, CU (Cusco), “*comparata-gibba*-group”
 383. *atrypa* R. Bohart, 1985: Endemic*, LI (Chosica, Palle), SM (Tarapoto), “*comparata-gibba*-group”
 384. *brachypyga* Ducke, 1911: “*intricata*-group” or “*smaragdula*-group”
 385. *crista* R. Bohart, 1985: *, CU (Cusco), LI (Matucana, Palle), “*comparata-gibba*-group”
 386. *grandis* Brullé, 1846: AN, JU, LI, PU, “*grandis*-group”
 387. *laevimarginata* Linsenmaier, 1987: Endemic*, “*grandis*-group”
 388. *paraguayensis* (Bischoff, 1910): LI, “*intricans*-group”
 389. *peruvica* R. Bohart, 1985: *, LL (Simbal), “*comparata-gibba*-group”
 390. *rohweriana* R. Bohart, 1990: *, CU (Ollantaytambo), (= *rugosa* Rohwer, 1913), “*grandis*-group”
- Exochrysis* R. Bohart, 1966 [Kimsey 1985, Linsenmaier 1985]
391. *spinigera* (Spinola, 1838)
- Ipsiura* Linsenmaier, 1959 [Bohart 1985b, Linsenmaier 1985]
392. *affinissima* (Ducke, 1903)
 393. *covillei* R. Bohart, 1985
 394. *friesiana* (Ducke, 1902)
 395. *genbergi* (Dahlbom, 1854)
 396. *klugi* (Dahlbom, 1854)
 397. *leucocheiloides* (Ducke, 1903)
 398. *ulconota* (Linsenmaier, 1985): Endemic*, HU (Tingo María)
- Neochrysis* Linsenmaier, 1959 [Kimsey 1985, Linsenmaier 1985]
399. *cameroni* (du Buysson, 1900): HU (Tingo María), JU, (= *striafoveata* Linsenmaier, 1985)
 400. *insuturalis* Linsenmaier, 1985
- Pleurochrysis* R. Bohart, 1966 [Kimsey 1985, Linsenmaier 1985]
401. *imbecilla* (Mocsáry, 1889)
 402. *leucophris* (Mocsáry, 1889)
 403. *limaca* (Linsenmaier, 1985): Endemic*, LI (Lima)
 404. *peruana* (Linsenmaier, 1985): Endemic*, JU (Huancayo)
- Elampini**
- Hedychrum* Latreille, 1802
405. *ecuadoricum* Mocsáry, 1911: Probably present in northern Peru, found in Guayaquil (Ecuador)

Holophris Mocsáry, 1890

- 406. *albolimbatus* (Ducke, 1908)
- 407. *minutissimus* (Brèthes, 1903)
- 408. *punctatifrons* (Bischoff, 1910)

Holopyga Dahlbom, 1845

- 409. *luzulina* Dahlbom, 1854:

Cleptinae*Cleptidea* Mocsáry, 1904 [Móczár 1996]

- 410. *mima* Kimsey, 1986: Endemic*, HU (Tambello Chica)
- 411. *krombeini* Móczár, 1996: Endemic*, JU (Chanchamayo)

DRYINIDAE

The revision of Olmi (1984) included descriptions and keys for all known species. Additional references listed below provide updated keys and descriptions of further Peruvian taxa. Olmi *et al.* (2000) presented a checklist for all Neotropical species. Olmi and Virla in Fernández and Sharkey (2006) provided illustrated keys to the genera.

Anteoninae*Anteon* Jurine, 1807 [Olmi 1989, Olmi 1996b]

- 412. *albitarse* (Cameron, 1888): Found in Ecuador and Bolivia, probably present in Peru
- 413. *amazonicum* Olmi, 1996: Endemic*, LO (Iquitos, Varillal)
- 414. *gracile* Olmi, 1989: *, MD (Puerto Maldonado)
- 415. *huggerti* Olmi, 1989: *, JU (Satipo)
- 416. *minusculum* Olmi, 1987
- 417. *panamense* Olmi, 1984: MD (Puerto Maldonado)
- 418. *pilicorne* Ogloblin, 1938: CU (Machu Picchu), (= *mexicanum* Olmi, 1984)

Deinodryinus R.C.L. Perkins, 1907 [Olmi 1987, 1989, 1992b, 2001]

- 419. *amoenus* Olmi, 1984
- 420. *bicolor* (Olmi & Currado, 1979): CU (Quincemil)
- 421. *costaricanus* Olmi, 1987
- 422. *cuzcanus* Olmi, 1984: *, CU (Quincemil)
- 423. *elegans* Olmi, 1984
- 424. *finnamorei* Olmi, 1989: Endemic*, MD (Puerto Maldonado)
- 425. *fluviatilis* Olmi, 1984: MD (Tambopata) [Olmi 2001]
- 426. *huggerti* Olmi, 1989: *, CU (Quillabamba)
- 427. *inermis* Olmi, 1984
- 428. *insanus* Olmi, 1989: *, CU (Quillabamba)
- 429. *maximus* Olmi, 1984: HU (Monzón)
- 430. *nigrolobatus* Olmi, 1984: CU (Machu Picchu)

- 431. *noyesi* Olmi, 1984
- 432. *panamensis* Olmi, 1984
- 433. *perlucens* Olmi, 1984: *, CU (Marcapata), MD (Avispas)
- 434. *peruvianus* Olmi, 1984: *, HU (Tingo María)
- 435. *pseudobilobus* Olmi, 1984: SM
- 436. *pseudoinermis* Olmi, 1987: HU (Tingo María)
- 437. *reali* Olmi, 1992
- 438. *schlingerii* Olmi, 1984: Endemic*, HU (Monzón)
- 439. *vagans* Olmi, 1984

Aphelopinae

Aphelopus Dalman, 1823 [Olmi 1989, Olmi 1996b (key)]

- 440. *diffusus* Olmi, 1984
- 441. *leucopus* Kieffer, 1906
- 442. *surinamensis* Olmi, 1984: JU (Satipo)
- 443. *trinitatis* Olmi, 1984

Crovettia Olmi, 1984 [Olmi 1996b]

- 444. *barbara* Olmi, 1984
- 445. *huggerti* Olmi, 1996: *, LO (Iquitos)
- 446. *plaumanniana* Olmi, 1984

Dryininae [Olmi 1993 (key to genera)]

Dryinus Latreille, 1804, (= *Alphadryinus* Olmi, 1984, = *Tridryinus* Kieffer, 1913)

- 447. *argentinus* Olmi, 1984: Found in Ecuador and Bolivia, probably present in Peru
- 448. *flavoniger* Olmi, 1984
- 449. *gibbosus* (Olmi, 1984): HU (Monzón)
- 450. *loretanus* Olmi, 2008: *, LO
- 451. *pegnai* (Olmi, 1984): *, CU (Quincemil)
- 452. *quechuanus* (Olmi, 1984)
- 453. *ruficauda* (Richards, 1953)
- 454. *ruficeps* Cameron, 1888: CU (Quincemil), HU (Monzón)
- 455. *surinamensis* Olmi, 1984: LO (San Antonio)

Megadryinus Richards, 1953 [Olmi 1993 (key)]

- 456. *pulawskii* Olmi, 1993: *, MD (Infierno)

Gonatopodinae [Olmi 1993 (key to genera)]

Gonatopus Ljungh, 1810, (= *Donisthorpina* Richards, 1939, = *Pseudogonatopus* R.C.L. Perkins, 1905) [Olmi 1987, 1989, 1992a, 1998]

- 457. *breviforceps* Kieffer, 1904: MD (Piedras)
- 458. *campbelli* Olmi, 1984
- 459. *chilensis* (Olmi, 1989)
- 460. *drifti* (Olmi, 1989): CU (Machu Picchu)

- 461. *huggerti* Olmi, 1992: *, MD (Puerto Maldonado)
- 462. *krombeini* Olmi, 1998: Endemic*, LA (Chiclayo, Tumbán)
- 463. *larsensis* Olmi, 1993: Endemic*, MD (Puerto Maldonado)
- 464. *malkini* (Olmi, 1989): Endemic*, CU (Machu Picchu)
- 465. *neotropicus* (Olmi, 1986)
- 466. *nigrithorax* (Ogloblin, 1953): CU
- 467. *peruvianus* Olmi, 1984: Endemic*, HU (Monzón)
- 468. *regalis* Olmi, 1987: Endemic*, CU (Machu Picchu)
- Neodryinus* R.C.L. Perkins, 1905
 - 469. *peruvianus* Olmi, 1984: *, UC (Pucallpa)
 - 470. *incaicus* Olmi, 1984: HU (San Jorge)
- Trichogonatopus* Kieffer, 1909
 - 471. *raptor* (Fenton, 1927): HU (Monzón)

EMBOLEMIDAE

Two genera (*Embolemus* Westwood, 1833 and *Ampulicomorpha* Ashmead, 1893) are reported from the Neotropical region. Species are revised by Olmi (1996a, 1997ab, 1999) and Amarante *et al.* (1999).

Embolemus Westwood, 1833

- 472. *subtilis* Olmi, 1996: CU (Machu Picchu)

PLUMARIIDAE

This is a small family with three South American genera known from Ecuador to Chile and Argentina (Diez *et al.* 2007). Roig-Alsina (1994), Hanson and Gauld (2006), and Fernández and Sharkey (2006) presented a key to the Neotropical genera of the family. Nagy (1973) provided keys for several of the southern Neotropical species. Evans (1966d) and Bradley (1972) recorded the family from Peru.

Plumarius Philippi, 1873

- 473. cf. *niger* Philippi, 1873: LI (Chosica, Pativilca)

SCLEROGIBBIDAE

The only Neotropical genus of the family is *Probethylus* Ashmead, 1902, which is known from USA and south to Brazil and Argentina (Richards 1939, Shetlar 1973, Argaman 1988, Fernández *et al.* 1996, Penteadó and Achterberg 2002, Olmi 2004). The latter two references include a key to the known species.

Probethylus Ashmead, 1902

474. *callani* Richards, 1939: HU (Las Palmas, Tingo María, Yurac), JU (San Ramón), LI (Cañete, Chilca, Lachay), LL (Otuzco), MD (Puerto Maldonado), UC (Pucallpa, Yarinacocha)
475. *schwarzi* Ashmead, 1902: LA (Olmos)

SCOLEBYTHIDAE

Two extant South American species are known from Brazil and Colombia, *Clystopsenella longiventris* Kieffer, 1911 and *Dominibythus strictus* Azevedo, 1999 (Azevedo 1999 (including key to species of the world), Fernández *et al.* 2002, Cambra and Azevedo 2003). Laime (1997) reported one unidentified genus and species from Peru (confirmed).

“Scolebythidae”

476. sp.

The Vespoïd Families**BRADYNOBAENIDAE**

Genise (1986) and Hanson and Gauld (2006) presented a generic key. Nonveiller (1990) listed the species but recorded none from Peru, although *Thyphoctoides* Brothers, 1974 is found in neighboring Bolivia.

MUTILLIDAE

Peruvian species were listed by Nonveiller (1990) and Quintero and Cambra (1996). Quintero and Cambra (1996) and Brothers in Fernández and Sharkey (2006) presented a generic key. Undescribed Peruvian species listed below are from Quintero and Cambra (1996).

Mutillinae**Ephutini**

Ephuta Say, 1836 [Mickel 1952]

Subgenus: *Ephuta* Say, 1836 [20 undescribed spp. in Peru]

477. *abadia* (Cresson, 1902): LO (Explorama), MD (Pakitza)
478. *argentula* (Dalla Torre, 1897): UC (Pucallpa)
479. *birigua* Casal, 1969: LO (Explorama)
480. *cronopia* Casal, 1970: MD (Pakitza)

- 481. *egeria* Mickel, 1952: LO (Explorama), MD (Pakitza)
- 482. *elvina* Mickel, 1952: MD (Pakitza)
- 483. *emarginata* Mickel, 1952: MD (Tambopata)
- 484. *erichtho* Mickel, 1952: MD (Pakitza)
- 485. *flavidens* Mickel, 1952: MD (Pakitza, Tambopata)
- 486. *fugax* (F. Smith, 1879): MD (Pakitza)
- 487. *inca* Suárez, 1970: PI (Sullana)
- 488. *indiscreta* Mickel, 1952: MD (Pakitza)
- 489. *peruviana* (André, 1905): CU (Vilcanota)
- 490. *trifida* (Gerstäcker, 1874): LO (Explorama), MD (Pakitza)
- 491. *viata* Casal, 1968: AM (Marañón), HU (Tingo María)
Subgenus: *Ephuseabra* Casal, 1968
- 492. *morra* Casal, 1968: MD (Pakitza)
Subgenus: *Ephutopsis* Ashmead, 1904
- 493. *championi* (Cameron, 1894): JU (Chanchamayo), HU (Previsto, Sinchona)
- 494. *singularis* (Spinola, 1841): HU (Yanayacu), LO (Explorama), MD (Pakitza)
- 495. *solitaria* (F. Smith, 1879): MD (Pakitza)
- 496. *vindex* (F. Smith, 1879): MD (Pakitza, Tambopata)

Mutillini

Timulla Ashmead, 1899 [Mickel 1938] [1 undescribed sp. in Peru]

- 497. *brancoensis* Mickel, 1938: LO (Explorama), MD (Pakitza)
- 498. *cordillera* Mickel, 1938: HU (Iparía, Pachitea), LO (Explorama), MD (Pakitza), PA (Puerto Bermúdez), SM (Juanjuí), (= *mulfordi* Mickel, 1938)
- 499. *hedone* Mickel, 1938: CU (Cusco), LI (Callao, Chosica, Lima, Lurín, Vista Alegre), LL (Pacasmayo, Trujillo), (= *inca* Mickel, 1938)
- 500. *manga* (Cresson, 1902): JU (Chanchamayo)
- 501. *sieberi* Mickel, 1938: LO (Explorama)

Sphaerophthalminae

Atillum André, 1903 [Mickel 1943]

- 502. *blandulum* Mickel, 1943: CU (Sicuani), (?= *limbatum* Mickel, 1943)
- 503. *optabile* Mickel, 1943
- 504. *rubriceps* (Schroettky, 1902)

Dasymutilla Ashmead, 1899 [Manley & Pitts 2007]

- 505. *blattoserica* (Kohl, 1882): *, LA (Motupe), LI (Atocongo, Chillón, Chontay, Lima, Puruchuco), LL (San Pedro de Lloc), PI (Sullana), TU (Tumbes)
- 506. *homochroma* Suárez, 1970: Endemic*, PI ([San Miguel de] Piura), TU (Tumbes), (?= *peruviana* Suárez, 1970)
- 507. *peruviana* Suárez, 1970: Endemic*, PI ([San Miguel de] Piura), (?= *homochroma* Suárez, 1970)

Euspinolia Ashmead, 1903 [Suárez 1970]

- 508. *krombeini* Casal, 1964: PI (Sullana)
- 509. *rufula* Mickel, 1938: LI (Chosica, Verrugas)

Hoplocrates Mickel, 1937 [Mickel 1941]

- 510. *admiranda* Mickel, 1941: AM (Santiago), HU (Huellaga), LO (Explorama, Iquitos)
- 511. *armata* (Klug, 1802): MD (Pakitz)
- 512. *buccata* Mickel, 1941: LO (Explorama, Iquitos, Itaya)
- 513. *centromaculata* (Cresson, 1902): SM (Juanjuí)
- 514. *compar* Mickel, 1945: HU (Tingo María), JU (Chanchamayo)
- 515. *moneta* (Gerstäcker, 1874): JU (Chanchamayo)
- 516. *oblectanea* Mickel, 1941: LO (Explorama)
- 517. *rufonotata* subsp. *rufonotata* (André, 1906): CU (Marcapata), HU (Huellaga), SM (Moyobamba)
- 518. *spinigula* Mickel, 1941: CU (Callanga)
- 519. *ucayalia* Schuster, 1952: HU (Huellaga), LO (Tapiche)

Hoplomutilla Ashmead, 1899 [Mickel 1939a, 1939b]

- 520. *approximata* subsp. *approximata* Mickel, 1939: HU (Pachitea), LO (Explorama, Yurimaguas), SM (Mishollo)
- 521. *approximata* subsp. *huallaga* Schuster, 1951
- 522. *conspecta* Mickel, 1939: LO (Iquitos)
- 523. *euryale* subsp. *contigua* Schuster, 1951
- 524. *euryale* subsp. *euryale* Mickel, 1939: MD (Pakitz), Tambopata)
- 525. *lanicia* Mickel, 1939: MD (Pakitz)
- 526. *patricialis* (Gerstäcker, 1874)
- 527. *peruviana* (André, 1906): CU (Vilcanota), MD (Pakitz)
- 528. *phorcys* Mickel, 1939: HU (Tingo María), JU (Chanchamayo, La Merced, Satipo)
- 529. *rapax* Mickel, 1939: HU (Pachitea), LO (Explorama, Iquitos, Yurimaguas), SM (Juanjuí)
- 530. *rohweri* Mickel, 1939: CU (Callanga, Santa Ana), HU (Iparía), JU (Chanchamayo, San Luis de Shuaro, Satipo), PA (Pozuzo), SM (Mishollo, Tarpoto), (=peruvianus Rohwer, 1913)
- 531. *sociata* (F. Smith, 1879): CU (Marcapata), JU (Chanchamayo, La Merced), MD (Pakitz), PA (Pozuzo)
- 532. *superba* subsp. *superba* (Gerstäcker, 1874): JU (Satipo), LO (Explorama), UC (Pucallpa)
- 533. *valeria* Casal, 1961: LO (Explorama)

Limaytilla Casal, 1964 [1 undescribed sp.]

- 534. sp/spp.: AR (Cháparra)

Lomachaeta Mickel, 1936 [1 undescribed sp.]

- 535. sp/spp.: MD (Pakitz)

Lophomutilla Mickel, 1952, (=Paramutilla Mickel, 1973) [1 undescribed sp. in Peru]

- 536. *bucki* Suárez, 1962: MD (Pakitz)
- 537. *denticulata* (F. Smith, 1855): HU (Tingo María), (=suarezi Fritz & Pagliano, 1993)

538. *inca* Fritz & Pagliano, 1993: HU
 539. *mocajuba* Casal, 1961: LO (Explorama)
 540. *ophomuti* Fritz, 1990: HU (Tingo María)
 541. *staphyloma* (Gerstäcker, 1874): LO (Explorama), MD (Pakitzá)
- Lophostigma* Mickel, 1952 [Mickel 1952]
 542. *acanthophora* (Dalla Torre, 1897)
 543. *alopha* Mickel, 1952: LO (Explorama)
 544. *simoni* (du Buysson, 1892): MD (Pakitzá)
- Pappognatha* Mickel, 1939 [Mickel 1939c, Quintero & Cambra 2005]
 545. *limes* Mickel, 1939: PA (Pozuzo)
 546. *obliqua* Mickel, 1939
 547. *peruana* Quintero & Cambra, 2005
 548. *speciosa* Mickel, 1939: HU (Tingo María), LO (Pacaya-Samiria, Yurimaguas), MD (Pakitzá)
- Pertyella* Mickel, 1952 [5 undescribed spp. in Peru]
 549. sp/spp.
- Pseudomethoca* Ashmead, 1896, (= *Sphinctopsis* Mickel, 1928) [17 undescribed spp. in Peru]
 550. *credula* (Cresson, 1902): LO (Explorama), MD (Pakitzá, Puerto Maldonado)
 551. *piura* (Casal, 1970): LO (Explorama), MD (Pakitzá), PI (Piura)
- Sphaerophthalma* Blake, 1871, (= *Photopsis* Blake, 1886) [1 undescribed sp. in Peru]
 552. *lenis* André, 1908: CU (Vilcanota)
- Traumatomutilla* André, 1901 [Mickel 1952] [5 undescribed spp. in Peru]
 553. *angustata* (André, 1906): LO (Explorama), MD (Cocha Cashu, Pakitzá)
 554. *dubia* subsp. *albata* (F. Smith, 1879): MD (Pakitzá)
 555. *fascinata* (F. Smith, 1879)
 556. *graphica* (Gerstäcker, 1874): MD (Pakitzá)
 557. *incerta* (Spinola, 1841): JU (Chanchamayo), LO (Explorama), MD (Pakitzá), PA (Oxapampa), (= *weyrauchi* Mickel, 1945)
 558. *indicoides* Mickel, 1945: JU (Chanchamayo, Huacapistana, Oreja de Capelo), UC (Pucallpa)
 559. *simulatrix* (F. Smith, 1879): MD (Pakitzá), UC (Pucallpa)
 560. *sodalicia* (Kohl, 1882)
 561. *vitelligera* (Gerstäcker, 1874): PI ([San Miguel de] Piura, Sullana)
- Vianatilla* Casal, 1962 [1 undescribed sp.]
 562. sp/spp.: MD (Pakitzá)
- Xystromutilla* André, 1905 [Cambra & Quintero 2004]
 563. *hansoni* Cambra & Quintero, 2004: Endemic*, AP (Cuya)
 564. *mansueta* (F. Smith, 1879): HU (Tingo María), (= *tingoensis* Fritz, 1992)
 565. *marginipennis* (F. Smith, 1879): HU (Tingo María)

POMPIDIDAE

Generic keys can be found in Evans (1966e) for Pompilinae and Ctenocerinae and in Bradley (1944) and Banks (1944) for some additional groups. Fernández in Fernández and Sharkey (2006) provided an illustrated key for all Neotropical genera of Pompilidae except Pepsini. Shimizu (1996) and Pitts *et al.* (2006) reconstructed higher level phylogeny. Banks (1946, 1947) listed many new records for Peru but a number of *Pepsis* were misidentified (cf. Vardy 2000, 2002, 2005). Species of *Pepsis* erroneously reported from Peru include *amyntas* Mocsáry, 1885; *atripennis* Fabricius, 1804; *decorata* Perty, 1833; *nitida* Lepeletier de Saint Fargeau, 1845 (= *andina* Brèthes, 1908, = *lassonis* Lucas, 1919); *smaragdina* Dahlbom, 1843 (= *thalia* Brèthes, 1908); *thoreyi* Dahlbom, 1845; *viridisetos* Spinola, 1841. Furthermore, most Neotropical taxa were listed by Fernández (2000).

Ceropalinae

Ceropales Latreille, 1796 [2 spp.: MD (Pakitza)] [Rohwer 1913, Móczár 1990, Cambra 1993]

Subgenus: *Bifidoceropales* Priesner, 1969

- 566. *abdominalis* Taschenberg, 1869: LO, UC (Pucallpa)
- 567. *cubensis* subsp. *cooperi* Móczár, 1990: LL (Simbal)
- 568. *cubensis* subsp. *vardyi* Móczár, 1990: *, LA (Lambayeque), LL (Moche, Trujillo)
- 569. *luctuosa* subsp. *luctuosa* F. Smith, 1864: PA (Oxapampa)

Subgenus: *Ceropales* Latreille, 1796

- 570. *basirufus* Rohwer, 1913: Endemic*, CU (Santa Ana)
- Irenangelus* Schulz, 1906 [Evans 1969b, Kimsey & Wasbauer, 2004]
- 571. *furtivus* Evans, 1969: MD (Avispas)
 - 572. *lucidus* Evans, 1969: HU (Tingo María), MD (Avispas, Pakitza)
 - 573. *ichneumonoides* Ducke, 1908: LO (Iquitos), MD (Avispas, Pakitza), UC (Pucallpa)
 - 574. *reversus* (F. Smith, 1873): HU (Pachitea), MD (Avispas)

Ctenocerinae [=Epipompilinae]

Epipompilus Kohl, 1884, (= *Aulocostethus* Ashmead, 1902) [Evans 1961, 1966e, 1967b]

- 575. *inca* Evans, 1967: Endemic*, CU (Machu Picchu)
- 576. *innubus* Evans, 1961: Endemic*, HU (Cuchara)

Pepsinae**Ageniellini**

Ageniella Banks, 1912 [Banks 1946, Evans 1973b]

Subgenus: *Alasagenia* Banks, 1944

- 577. *corymele* Banks, 1946: JU (Chanchamayo)

Subgenus: *Ameragenia* Banks, 1945

- 578. *alcimeda* Banks, 1946: Endemic*, JU (El Campamento)
- 579. *pretiosa* Banks, 1946: Endemic*, JU (Chanchamayo)

- Subgenus: *Cyrtagenia* Evans, 1973
580. *fallax* (Arlé, 1947): MD (Avispas)
Subgenus: *Lissagenia* Banks, 1946
581. *difformis* Banks, 1944: LO (Iquitos)
Subgenus: *Priophanes* Banks, 1944
582. *plagosa* Banks, 1946: PA (Puerto Bermúdez)
- Auplopus* Spinola, 1841, (= *Pseudagenia* Kohl, 1885) [Dreisbach 1963]
583. *caeruleosoma* Banks, 1946: Endemic*, LI (Lima)
584. *eriodes* Dreisbach, 1963: Endemic*, PI (Piura)
585. *lasios* Dreisbach, 1963: Endemic*, HU (Tingo María)
586. *peruana* Banks, 1946: Endemic*, LI (Matucana, Santa Eulalia)
587. *striatus* Dreisbach, 1963: Endemic*, LI (Lima, Verrugas)
- Mystacagenia* Evans, 1973 [Evans 1973b]
588. *albiceps* Evans, 1973: *, MD (Avispas, Pakitza)
589. *bellula* Evans, 1973: Endemic*, MD (Avispas)
- Phanochilus* Banks, 1944 [Banks 1946]
590. *gloriosus* (F. Smith, 1873)
591. *nobilitatus* F. Smith, 1864: LO (Itaya), PA (Puerto Bermúdez)
592. *ornatus* Banks, 1946: Endemic*, SM (Achinamisa)
- Priocnemella* Banks, 1925 [Banks 1946]
593. *delila* (Banks, 1944): MD (Pakitza)
594. *fairchildi* (Banks, 1925): MD (Pakitza)
595. *hexagona* subsp. *omissa* Banks, 1946
596. *rufothorax* (Banks, 1925): MD (Pakitza)
- Pepsini**
- Adiostes* Banks, 1946 [Roig-Alsina 1984]
597. *ariphana* Roig-Alsina, 1984: HU (Carpish)
598. *tolteca* Banks, 1946: Endemic*, JU (Casa de patos, Palca)
599. *wahisi* Roig-Alsina, 1984: LL (Choquisongo)
600. *willinki* Roig-Alsina, 1984: AN (Conococha)
- Aimatocare* Roig-Alsina, 1989 [Evans 1968b, Roig-Alsina 1989]
601. *longula* (Banks, 1946): CU (Paucartambo, Quincemil), MD (Avispas)
602. *vitrea* (Fox, 1897): SM (Achinamisa)
- Caliadurgus* Pate, 1946, (= *Calicurgus* Lepeletier de Saint Fargeau, 1845) [Dreisbach 1961b]
603. *ornatus* (Dreisbach, 1961): Endemic*, HU (Monzón)
- Entypus* Dahlbom, 1843, (= *Priocnemioides* Radoszkowski, 1888) [Banks 1946, Roig-Alsina 1981]
604. *bituberculatus* (Guérin-Méneville, 1838): SM (Achinamisa)
605. *fossulatus* (Giner Marí, 1944): LI (Matucana)
606. *mammillatus* (Fox, 1897): JU (Chanchamayo, El Campamento)
607. *molestus* (Banks, 1946): Endemic*, CA (Q Limón), HU (Huánuco), LI (Lima)
608. *nitidus* (Banks, 1946): JU (Chanchamayo)
609. *peruvianus* (Rohwer, 1913): Endemic*, CU (Santa Ana), JU (Chanchamayo)

Minagenia Banks, 1934, (= *Nannochilus* Banks, 1944) [Banks 1946]

610. *peruana* (Banks, 1946): Endemic*, JU (Chanchamayo)

Pepsis Fabricius, 1804, (= *Abripepsis* Banks, 1946) [Vardy 2000, 2002, 2005]

Species group: *auriguttata* Burmeister, 1872

611. *auriguttata* Burmeister, 1872: CA, JU, LO, MD, UC

612. *purpureipes* Packard, 1869: JU

613. *sabina* Mocsáry, 1885: CA, JU, LO, SM

Species group: *chiliensis* Lepeletier de Saint Fargeau, 1845

614. *chiliensis* Lepeletier de Saint Fargeau, 1845: AR, LA, LI (Lima, Matucana), (= *inca* Banks, 1946)

Species group: *deaurata* Mocsáry, 1894

615. *deaurata* Mocsáry, 1894: HU, JU, LO (Iquitos)

Species group: *elevata* Fabricius, 1804

616. *elevata* Fabricius, 1804: CU, UC

617. *lycaon* Banks, 1945: CA (Jaén), LA, LI

618. *terminata* Dahlbom, 1843: AP, AY (Ninabamba), CA (Jaén), CU, HU (Iparía), JU, LO, SM, UC, (= *mancoi* Banks, 1946)

Species group: *elongata* Lepeletier de Saint Fargeau, 1845

619. *elongata* Lepeletier de Saint Fargeau, 1845: LO

Species group: *grossa* Fabricius, 1798

620. *grossa* (Fabricius, 1798): CA, JU (Chanchamayo), LA, LO, PI, SM, TU

Species group: *hymenaea* Mocsáry, 1885

621. *marthae* Vardy, 2002: Endemic*, CU (Machu Picchu), JU (Chanchamayo)

622. *pulawskii* Vardy, 2002: Endemic*, AN (Huaylas), CA (Sunchubamba), LA (Chinche, Olmos)

623. *tolteca* Lucas, 1895: AM, AP, AY (Ayacucho), CA, CU, HU (Iparía, Tingo María), JU (La Merced), LI (Matucana, San Bartolomé, San Mateo), LL

Species group: *inchyta* Lepeletier de Saint Fargeau, 1845

624. *asteria* Mocsáry, 1894: HU, LO (Iquitos, Yurimaguas), MD, SM, UC

625. *crassicornis* Mocsáry, 1885: LO

626. *fumipennis* F. Smith, 1855: LO (Iquitos), SM (Cumbasa), (= *pallidicornis* Mocsáry, 1885)

627. *inchyta* Lepeletier de Saint Fargeau, 1845: CA (Celendin), LO, PI, UC, (= *atahualpa* Banks, 1946, = *violaceipennis* Mocsáry, 1885)

628. *luteicornis* Fabricius, 1804: LO (Itaya), UC, (= *alector* Banks, 1946)

629. *sommeri* Dahlbom, 1845

630. *vitripennis* F. Smith, 1855: CA, CU, HU (Huallaga), JU (Chanchamayo), LI, LO (Iquitos), MD, PI, SM, UC, (= *aeneipennis* Banks, 1946, = *amabilis* Mocsáry, 1885)

631. *xanthocera* Dahlbom, 1843: CA, CU, LO (Iquitos), (= *fulgidipennis* Mocsáry, 1885, = *hecuba* Mocsáry, 1885)

Species group: *lampas* Lucas, 1895

632. *cyanescens* Lepeletier de Saint Fargeau, 1845: CA, CU, LO

633. *lampas* Lucas, 1895: AP, AY, MD
634. *multichroma* Vardy, 2005: *, AM (Bagua), CA (Jaén), LA (Chiclayo), PI (Piura)
Species group: *menechma* Lepeletier de Saint Fargeau, 1845
635. *menechma* Lepeletier de Saint Fargeau, 1845: CA, HU, JU (Huacapistana), LO, MD, PA, SM (Cumbasa, Tarapoto), UC, (= *nigricornis* Mocsáry, 1894)
Species group: *montezuma* F. Smith, 1855
636. *montezuma* F. Smith, 1855: AM (Bagua), AP, AR, AY, CA, CU (Machu Picchu), HU, IC, JU (Huacapistana), LA, LI (Lima, Matucana), LL (Otuzco), LO, PA, PI, SM, UC, ("Yucay"), (= *fasciculata* Brèthes, 1908, = *huascar* Banks, 1946, = *peruanus* Lucas, 1895, = *quitonensis* Packard, 1869, = *sibylla* Mocsáry, 1885)
Species group: *pretiosa* Dahlbom, 1843
637. *egregia* Mocsáry, 1885: *, JU, LO (Iquitos), MD (Pakitza)
Species group: *rubra* Drury, 1773
638. *cooperi* Vardy, 2000: AM (Bagua), CA (Jaén, Pomahuaca), LA (Olmos)
639. *heros* (Fabricius, 1798): JU, LO, MD, SM, UC
640. *petitii* Guérin-Méneville, 1831: LA, LI (Matucana), LL, PI, TU, (= *tolteca* Giner Marí, 1944)
641. *vinipennis* Packard, 1869: AM, HU, LO (Iquitos), SM (Moyobamba), (= *erythroptera* Mocsáry, 1885, = *insignis* Mocsáry, 1885)
Species group: *ruficornis* Fabricius, 1775
642. *festiva* Fabricius, 1804: HU, JU, LO, MD (Pakitza), PA, SM, UC, (= *gallardoi* Brèthes, 1908)
643. *gracilis* Lepeletier de Saint Fargeau, 1845: HU, LO (Iquitos), SM, (= *diana* Mocsáry, 1885, = *alceste* Banks, 1946)
644. *hyalinipennis* Mocsáry, 1885: HU, JU, LO (Pebas, Yurimaguas), SM
645. *infusata* Spinola, 1841: JU (La Merced), LO (Iquitos), SM (Achinamisa, Moyobamba), (= *incerta* Banks, 1946)
646. *krombeini* Vardy, 2005: Endemic*, LO (Pebas)
647. *purpurea* F. Smith, 1873: JU, LO (El Encanto, Putumayo), SM (Achinamisa), (= *consimilis* Banks, 1946, = *laconia* Banks, 1946)
648. *willinki* Vardy, 2005: *, AM (Santiago), CU (Atalaya), HU (Monzón, Sinchona, Tingo María), PA (Puerto Bermúdez), UC (Atalaya)
Species group: *seladonica* Dahlbom, 1843
649. *seladonica* Dahlbom, 1843: MD, UC
Species group: *sumptuosa* F. Smith, 1855
650. *apicata* Taschenberg, 1869: LO
651. *aurozonata* F. Smith, 1855: LO, UC
652. *plutus* Erichson, 1849: MD (La Torre), UC
653. *pulszkyi* Mocsáry, 1885: AM, HU, JU, LO, SM
654. *toppini* Turner, 1915: CA, HU (Huallaga), JU (Chanchamayo, Perené, Satipo), MD, PA, UC, (= *selvatica* Brèthes, 1920)

Species group: *viridis* Lepeletier de Saint Fargeau, 1845

- 655. *dayi* Vardy, 2005: *, CU (Atalaya), UC (B Abad)
- 656. *hirtiventris* Banks, 1946: HU, LO (Iquitos, Mishuyacu, San Roque), SM (Achinamisa)
- 657. *ianthina* Erichson, 1848: CA, LI, LO (Iquitos, Pebas)
- 658. *nana* Mocsáry, 1885: AM, AP, AY (Ninabamba), CA, CU, HU, JU (Chanchamayo, Perené), LO (Iquitos, La Chorrera, La Sombra), MD, PA (Puerto Bermúdez), SM, UC (Yarinacocha), (= *amautas* Banks, 1946, = *ilione* Banks, 1946, = *moesta* Banks, 1946, = *orestes* Banks, 1946)
- 659. *viridis* Lepeletier de Saint Fargeau, 1845: MD, (= *erecta* Brèthes, 1914, = *mimetica* Brèthes, 1914)

Pompilocalus Roig-Alsina, 1989 (partly, = *Calopompilus* Ashmead, 1900) [Roig-Alsina 1989]

- 660. *carrascoi* Roig-Alsina, 1989: Endemic*, CU (Acomayo, Chocco, Urubamba)
- 661. *edmondii* (Brèthes, 1924): AP (Andahuaylas), AR (Arequipa), AY (Lucanas, Quinua), CU (Acomayo, Chocco, Cusco, Lucre, Machu Picchu), LI (Matucana), LO (Iquitos), PU (Arapa, Chucuito, Chuquibambilla, Puno, Sillustani, Tirapata)
- 662. *hirticeps* (Guérin-Méneville, 1838): TA (Tacna)
- 663. *huaynacapac* Roig-Alsina, 1989: *, CU (Chocco)
- 664. *mancocapac* Roig-Alsina, 1989: Endemic*, LI (Huamantanga)
- 665. *maytocapac* Roig-Alsina, 1989: Endemic*, CU (Acomayo, Chocco, Cusco, Písaq, Urubamba)
- 666. *pachacutec* Roig-Alsina, 1989: Endemic*, AP (Andahuaylas), AR (Arequipa), AY (Tambo), CU (Acomayo, Capana, Chocco, Cusco, Limatambo, Lucre, Paucartambo, Sacsayhuaman, San Sebastián, Urubamba), JU (Acolla, Tarma-Jauja), LI (Huamantanga, Tambo)
- 667. *tacaynamo* Roig-Alsina, 1989: Endemic*, LL (Choquisongó)
- 668. *tupacyupanqui* Roig-Alsina, 1989: Endemic*, JU (Acolla, Satipo), CU (Acomayo, Chocco, Cusco)

Priocnemis Schiödte, 1837 [correct genus?] [Dalla Torre 1897]

- 669. *dichrous* Dalla Torre, 1897: (= *bicolor* Taschenberg, 1880)

Priocnessus Banks, 1925 [Dreisbach 1960, 1961a]

- 670. *grandis* Dreisbach, 1961: Endemic*, UC (Ucayali)
- 671. *prominens* Banks, 1945
- 672. *semirufus* Dreisbach, 1960: Endemic*, CA (Huascaray)

Pompilinae [Evans 1966a]

Aporini

Aporus Spinola, 1808 [Evans 1973a]

Subgenus: *Aporus* Spinola, 1808

- 673. *cuzco* Evans, 1973: Endemic*?, CU (Cusco, Chocco, Lucre)
- Subgenus: *Neoplaniceps* Bradley, 1944

674. *umbratilis* Evans, 1966: CU (Lucre, Quincemil, Chocco)
Subgenus: *Notoplaniceps* Bradley, 1944
675. *canescens* F. Smith, 1873: HU (Tingo María), MD (Avispas)
Euplaniceps Haupt, 1930 [Bradley 1944]
676. *ceres* (Cameron, 1897): MD (Pakitza)
677. *varia* Bradley, 1944: LO (San Roque)
- Pompilini**
- Agenioideus* Ashmead, 1902 [Evans 1965b]
Subgenus: *Enbanksia* Evans, 1965
678. *minutus* (Banks, 1947): MD (Avispas)
- Anoplius* Dufour, 1834, (= *Psammochares* Latreille, 1796) [Banks 1947, Evans 1950]
Subgenus: *Anopliodes* Banks, 1939
679. *varius* (Fabricius, 1804)
Subgenus: *Anoplius* Dufour, 1834
680. *fulgidus* (Cresson, 1865): PA (Puerto Bermúdez), (= *amarus* Banks, 1947, = *mundulus* Fox, 1897)
681. *minor* Banks, 1947: Endemic*, AR (Arequipa)
Subgenus: *Arachnophroctonus* Howard, 1901
682. *arequipensis* (Brèthes, 1924): AR (Arequipa)
683. *atrimene* Banks, 1947: LI
684. *escomeli* (Brèthes, 1912): Endemic*, AR (Sabandia) [correct genus?]
685. *inculcatrix* (Cameron, 1912): JU (El Campamento)
686. *marginicollis* (Taschenberg, 1869): PA (Puerto Bermúdez)
687. *peruviana* Banks, 1947: Endemic*, PA (Victoria), PU (Puno)
Subgenus: *Notiochaes* Banks, 1917
688. *amethystinus* subsp. *amethystinus* (Fabricius, 1793)
689. *amethystinus* subsp. *exclusus* (F. Smith, 1873)
690. *diffinis* Banks, 1947: Endemic*, LO (Iquitos)
- Aporinellus* Banks, 1911
691. sp.: LI [Palacios 1976]
- Arachnospila* Kincaid, 1900, (= *Pycnopompilus* Ashmead, 1902)
692. *dichromorphus* (Rohwer, 1913): Endemic*, CU (Cusco), LI (Pativilca), JU (La Oroya)
693. *titicacaensis* (Strand, 1911): Endemic*, PU (Puno), (= *toltecus* Banks, 1947)
- Aridestus* Banks, 1947 [Evans 1966f]
694. *porteri* Evans, 1966: CU (Cusco)
- Austrochaes* Banks, 1947 [Evans 1969a]
695. *elsinore* Banks, 1947: Endemic*, LI (Lima)
- Balboana* Banks, 1944 [Banks 1946]
696. *auripennis* (Fabricius, 1804): MD (Pakitza)
697. *fraternus* Banks, 1946: Endemic*, LI (Lima)
- Episyron* Schiödte, 1837
698. *conterminus* subsp. *conterminus* F. Smith, 1873: LI (Lima)

Evagetes Lepeletier de Saint Fargeau, 1845, (= *Sophropompilus* Howard, 1901, = *Nanopompilus* Ashmead, 1902) [Banks 1947]

699. *peruana* Banks, 1947: Endemic*, LL (Trujillo), PA (Victoria)

Paracyphononyx Gribodo, 1884, (= *Alloocyphononyx* Ashmead, 1902) [Banks 1947]

700. *incalis* Banks, 1947: Endemic*, AY (Ninabamba), LO (La Sombra)

Poecilopompilus Howard, 1901, (= *Batazonus* Banks, 1912) [Banks 1947]

701. *apicalis* (Banks, 1947): JU (Perené)

702. *decedens* (F. Smith, 1873): LO (Iquitos)

703. *rubricatus* (F. Smith, 1879): PI (Negritos)

Priochilus Banks, 1944 [Banks 1946]

704. *formosus* Banks, 1944: JU (Perené)

705. *gloriosum* subsp. *multifasciatum* (Taschenberg, 1869)

706. *imperius* Banks, 1944: LO (Iquitos, Itaya, La Sombra)

707. *nobilis* (Fabricius, 1787): JU (El Campamento)

708. *peruanus* Banks, 1946: Endemic*, LO (Iquitos, Mishuyacu)

709. *regius* subsp. *infumatus* Banks, 1946: AM (Santiago), HU (Upper Río Huallaga), LO (Iquitos), SM (Achinamisa)

710. *regius* subsp. *regius* Fabricius, 1804: AM (Santiago), UC (San Alejandro)

711. *scrupulum* (Fox, 1897): MD (Pakitza)

712. *sericeifrons* (Fox, 1897): MD (Pakitza)

713. *splendidulum* subsp. *splendidulum* (Fabricius, 1804): MD (Pakitza)

714. *superbus* Banks, 1944: LO (Iquitos), SM (Achinamisa)

715. *veraepascis* (Cameron, 1893): MD (Pakitza)

Tachypompilus Ashmead, 1902 [Banks 1947]

716. *pallidus* Banks, 1947: Endemic*, LI (Matucana)

717. *xanthopterus* (Rohwer, 1913): CU (San Miguel)

Unknown position [=Notocyphinae]

Notocyphus F. Smith, 1855 [Banks 1947]

718. *brevicornis* Fox, 1897: Endemic?, HU (Huánuco)

719. *maculifrons* F. Smith, 1873: Endemic?, LO (Iquitos)

720. *pallidipennis* Banks, 1947: Endemic*, AM (Santiago)

721. *signatus* Banks, 1947: Endemic*, LO (La Sombra)

722. *thetis* Banks, 1945

723. *tyrannicus* F. Smith, 1855: LO (Iquitos)

724. *vindex* F. Smith, 1864: LO (Iquitos)

RHOPALOSOMATIDAE

Townes (1977) provided a key for Neotropical genera and species. The Neotropical genera were also keyed in Hanson and Gauld (2006) and Fernández and Sharkey (2006).

Liosphex Townes, 1977

725. *varius* Townes, 1977: MD (Avispas, Tambopata)

Rhopalosoma Cresson, 1865

726. *guianense* Schulz, 1906: JU (Chanchamayo), MD (Avispas), (= *martinezi* Ogloblin, 1951)

SAPYGIDAE

Pate (1947) provided a key to the World genera and the species for two of the three Neotropical genera (*Araucania* Pate, 1947 and *Huarpea* Pate, 1947), but record no species for Peru. A generic key is also provided in Fernández and Sharkey (2006). An undescribed *Sapyga* Latreille, 1796 has been reported from Brazil (Hanson and Gauld 2006).

SCOLIIDAE

Bradley (1945, 1957, 1964) in a series of papers provided keys to *Campsomeris* subgenera and some of the species. Argaman (1996) reclassified Scoliidae and proposed several new dubious Neotropical genera ignored here and elsewhere (see also Hanson and Gauld, 2006).

Campsomerinae

Campsomeris Guérin-Méneville, 1839

Subgenus: *Aelocampsomeris* Bradley, 1957

727. *brethesi* (Bradley, 1927): Endemic*, LO (San Roque)
728. *variegata* Fabricius, 1793: (= *costalis* Lepeletier de Saint Fargeau, 1845)

Subgenus: *Campsomeris* Guérin-Méneville, 1839

729. *peregrina* (Lepeletier de Saint Fargeau, 1845)
730. *regifica* Bradley, 1945: HU (Huallaga)
731. *servillei* Guérin-Méneville, 1838: LI [Dalla Torre 1897, Soukup 1943, Palacios 1976]

Subgenus: *Dielis* de Saussure & Sichel, 1864

732. *chilensis* (de Saussure & Sichel, 1864): CU (Santa Ana), (= *similaris* Rohwer, 1913)
733. *dorsata* Fabricius, 1787: LO (Iquitos)
734. *whitelyi* W.F. Kirby, 1889: CU (Tambo)

TIPHIIDAE

Kimsey (1991c) listed genera of the family and presented keys for the genera of Tiphinae (1993) and Thynninae (2004). Kimsey in Fernández and Sharkey (2006) provided

illustrated keys to all Neotropical genera of Tiphidae. Arbouw (1985) listed all species of Tiphidae. Additional revisions and notes in Krombein (1979), Genise and Kimsey (1991), Genise (1992), Kimsey and Brown (1993), and Kimsey (1996).

Anthoboscinae

Anthosila Genise, 1985 [Genise 1985]

735. *inca* Genise, 1985: Endemic*, UC (Pucallpa)

Myzinae

Myzinum Latreille, 1803

736. sp/spp.

Thynninae

Aelurus Klug, 1842 [Kimsey 1991a]

737. *chypeatus* Klug, 1842: LO (Iquitos), MD (Avispas)

Chrysothynnus Turner, 1910

738. *inca* (Turner, 1908)

Elaphroptera Guérin-Ménéville, 1838 [Genise & Kimsey 1993]

739. *boliviana* Genise & Kimsey, 1993: CU (Machu Picchu), PU (Ayaviri, Puno)

740. *cuzcoensis* Genise & Kimsey, 1993: Endemic*, CU (Acjanacu)

741. *fuscata* Genise & Kimsey, 1993: CU (Machu Picchu)

742. *strandi* Turner, 1910: *, CU (Marcapata)

Pseudelaphroptera Ashmead, 1903

743. *maura* Rohwer, 1913: Endemic*, CU (Tincochaca)

Scotaena Klug, 1810

744. sp/spp. [Kimsey 2004]

Telephoromyia Guérin-Ménéville, 1838 [Turner 1910, as *Spilothynnus* Ashmead, 1903]

745. *excisa* Turner, 1908: Endemic*

746. *peruviana* Turner, 1908: Endemic*, CU (Urubamba)

Tiphiinae

Epomidiopteron Romand, 1836

747. *julii* Romand, 1836: HU (Tingo María)

Megatiphia Kimsey, 1993 [Kimsey 1993]

748. *fuscata* Kimsey, 1993: Endemic*, JU (Chanchamayo)

Tiphia Fabricius, 1775 [Allen 1972]

Subgenus: *Tiphia* Fabricius, 1775

749. *academae* Allen, 1972: Endemic*, HU (Monzón)

750. *ancha* Allen, 1972: Endemic*, JU (Chanchamayo)

751. *bassleri* Allen, 1972: *, SM (Achinamisa)

752. *cuzcoa* Allen, 1972: Endemic*, CU (Machu Picchu)

753. *delta* Allen, 1972: Endemic*, HU (Monzón)

- 754. *fulvitaris* Rohwer, 1912: Endemic*, LA (Chiclayo), LL (Pacasmayo), PI (Piura)
- 755. *gilvapennis* Allen, 1972: *, HU (Monzón), PU
- 756. *huallaga* Allen, 1972: Endemic*, HU (Upper Río Huallaga)
- 757. *iquitosa* Allen, 1972: Endemic*, LO (Iquitos)
- 758. *lima* Allen, 1972: Endemic*, AY, LI (Chancay)
- 759. *maria* Allen, 1972: Endemic*, HU (Monzón)
- 760. *monsona* Allen, 1972: Endemic*, HU (Monzón, Tingo María), MD (Avispas)
- 761. *pallisteri* Allen, 1972: Endemic*, SM (Moyobamba)
- 762. *penai* Allen, 1972: Endemic*, MD (Avispas)
- 763. *perubra* Allen, 1972: *, LO (Peru-Brazil border)
- 764. *putumayoa* Allen, 1972: Endemic*, LO (La Chorrera)
- 765. *quincemila* Allen, 1972: Endemic*, MD (Quincemil)
- 766. *scalariformis* Allen, 1972: Endemic*, HU (Tingo María)

VESPIDAE

Richards (1978), Carpenter (2004), and Carpenter and Garcete-Barrett (2002) provided keys to the genera of the Polistinae and Eumeninae, while Sarmiento and Carpenter in Fernández and Sharkey (2006) provided keys for the Neotropical genera of Vespidae. Richards (1978) revised and provided keys to all Polistinae species with some corrections by Carpenter (1999). Synonymic listing is here limited to species originally described from Peru or cited under that name by Weyrauch (1943). Weyrauch (1943) used several manuscript names of Zikán, those that were never published are *nomina nuda* (Weyrauch numbers 6, 15, 18, 22, 23, 25, 27). Additional distribution records from Huánuco (Llullapichis) were taken from <http://www.zobodat.at> (accessed July 3, 2006).

Eumeninae

Alphamenes van der Vecht, 1977 [Giordani Soika 1978]

- 767. *campanulatus* (Fabricius, 1804): HU (Monzón, Tingo María), JU (Chanchamayo, El Campamento), UC (Pucallpa)
- 768. *semiplanus* Giordani Soika, 1978: *, HU (Llullapichis), LO (Iquitos), UC (Pucallpa)

Ancistroceroides de Saussure, 1855

- 769. *cirrifer* (Zavattari, 1912): Endemic*, no locality given [**comb. n.**, J.M. Carpenter, pers. com.]

Ancistrocerus Wesmael, 1836 [Zavattari 1912]

- 770. *epicus* (Zavattari, 1912): Endemic*, ("San Paulo") [**comb. n.**, J.M. Carpenter, pers. com.]
- 771. *pilosus* de Saussure, 1855: AN (Huaráz), PA (Huancabamba)

Brachymenes Giordani Soika, 1961 [Giordani Soika 1990]

- 772. *dyscherus* subsp. *dyscherus* (de Saussure, 1852): CU (Callanga), HU (Llullapichis), JU (Chanchamayo), UC (B Abad, Pucallpa)

773. *wagnerianus* (de Saussure, 1875): JU (Chanchamayo)
Cephalastor Giordani Soika, 1982 [Garcete Barrett 2001, 2002]
 774. *chasqui* Garcete Barrett, 2001: JU (Chanchamayo)
 775. *lambayeque* Garcete Barrett, 2002: Endemic*, LA (Lambayeque)
 776. *tupasy* Garcete Barrett, 2001: Endemic*, MD (Puerto Maldonado, Tambopata)
Cyphomenes Giordani Soika, 1978 [Giordani Soika 1978]
 777. *infernalis* subsp. *infernalis* (de Saussure, 1875): HU (Llullapichis), UC (Pucallpa)
 778. *infernalis* subsp. *weyrauchi* Giordani Soika, 1978: *, JU (Satipo)
Eumenes Latreille, 1802 [Giordani Soika 1978]
 Subgenus: *Zeteumenoides* Giordani Soika, 1972
 779. *filiformis* (de Saussure, 1855): LO (Iquitos), UC (Pucallpa)
 780. *versicolor* de Saussure, 1852: HU (Llullapichis)
Gamma Zavattari, 1912 [Giordani Soika 1990]
 781. *ventricosum* subsp. *peruvianum* (Zavattari, 1912): Endemic*, CU (Vilcanota)
 782. *ventricosum* subsp. *ventricosum* (de Saussure, 1852): PA (Huancabamba)
Hypalastoroides de Saussure, 1852 [Giordani Soika 1958, 1982]
 Subgenus: *Hypalastoroides* de Saussure, 1852
 783. *argentinus* (Brèthes, 1903)
 784. *brasiliensis* (de Saussure, 1856): JU (Satipo)
Hypancistrocerus de Saussure, 1855
 785. sp/spp.: JU, UC
Hypodynerus de Saussure, 1855 [Dalla Torre 1894, Rohwer 1913, Giordani Soika 1961, Willink 1970, 1978]
 786. *akros* Willink, 1970: Endemic*, JU (Casapalo)
 787. *andeus* (Packard, 1869): AN (Huaráz, Recuay), AR (Arequipa, Cotahuasi, Tiabaya, Yura), CU (Cusco, Miravalle, Ollantaytambo, San Sebastián, Vilcanota), LI (Canta, Miñita, Matucana, San Mateo, Santa Eulalia, Verrugas), LL (Otuzco), TA (Tacna), ("Chacarilla"), (= *tapiensis* de Saussure, 1870)
 788. *arequipensis* (du Buysson, 1913): AR (Arequipa)
 789. *chiliotus* de Saussure, 1852: AR (Arequipa), CU (Callanga), (= *vardyi* Giordani Soika, 1974)
 790. *dimidiaticornis* Zavattari, 1912: Endemic*, CU (Marcapata)
 791. *foersteri* Giordani Soika, 1961: PU (Camacani, Chimú, Crucero Alto, La Huerta, Puno, Urcunimuni)
 792. *huancabambae* Schrottky, 1911: Endemic*, PA (Huancabamba), (= *rufotegulatus* Zavattari, 1912)
 793. *joergenseni* Schrottky, 1909
 794. *nigricornis* Rohwer, 1913: *, CU (Cusco), JU (La Oroya)
 795. *obscuripennis* (Spinola, 1851)
 796. *rufinodis* (du Buysson, 1913): Endemic*, AR (Arequipa), TA (Tarata)
 797. *tarabucensis* (de Saussure, 1855): PU (Puno)
 798. *vestitus* (de Saussure, 1855): CU

Incodynerus Willink, 1968 (partly, =*Hypodynerus* de Saussure, 1855) [Willink 1969]

- 799. *alticola* Willink, 1969: *, AR, CU (Cusco), PU (Amantani, Camacani, La Huerta, Puno)
- 800. *ambiguus* Willink, 1969: Endemic*, AP (Andahuaylas)
- 801. *coccineipes* (Zavattari, 1912): *, CU (Cusco, Lucre, Vilcanota)
- 802. *melanotrichus* Willink, 1969: LI (Pativilca)
- 803. *romandinus* (de Saussure, 1852): CA (Jaén), CU (Tincochaca), PA (Huancabamba), (= *hirsutulus* Rohwer, 1913, **syn. n.**, J.M. Carpenter, pers. com.)
- 804. *tegularis* (Schrottky, 1911): Endemic*, AN (Huaráz), AP (Abancay), CA (Cutervo), CU (Cusco, Lucre), LI (Matucana), PA (Huancabamba),
- 805. *urubambae* (Schrottky, 1911): CU (Urubamba)
- 806. *vilcanotae* (Zavattari, 1912): *, CU (Cusco, Vilcanota), LA (Olmos (2000m)), PU (Camacani, La Huerta)

Minixi Giordani Soika, 1978 [Giordani Soika 1978]

- 807. *brasilianum* (de Saussure, 1978): HU (Llullapichis, Tingo María)

Monobia de Saussure, 1852 [Willink 1982]

- 808. *angulosa* de Saussure, 1852: AP (Abancay-Cusco), AY (Ninabamba), CU (Ocobamba, Vilcanota), JU (Chanchamayo, Pampa Hermosa), LO (Iquitos), SM, UC (Pucallpa), (= *insularis* Ashmead, 1900)
- 809. *atrorubra* Ducke, 1904: LO (Iquitos)
- 810. *caliginosa* Willink, 1982: PA (Huancabamba)
- 811. *cyanipennis* (Guérin-Méneville, 1831): *, AN (Huallanca), AR (Camaná), LA (Chongoyape, Lambayeque, Oyotun, Zaña), LI (Atocongo, Lima, Q. Verde, Santa Rosa de Quives), LL (San Pedro de Lloc), PI (Lobitos, Negritos, Paita), TU (Tumbes)
- 812. *deplanata* Ducke, 1908: LO (Mishuyacu)
- 813. *funebis* Gribodo, 1891: CU (Paucartambo), HU (Llullapichis, Tingo María), JU (Chanchamayo), LO (Yurimaguas)
- 814. *incarum* Bequaert, 1912: *, AR (Tambo), CA (Sunchubamba), LL (Chepén, Lambayeque), LI (Barranca, Chorrillos, Lima, Santiago de Surco, Verugas), LL (Simbal)

Montezumia de Saussure, 1852 [Willink 1982]

- 815. *analís* de Saussure, 1855: HU (Llullapichis), JU (Satipo), LO (Iquitos, Mishuyacu), SM (Achinamisa), UC (San Alejandro)
- 816. *azurescens* (Spinola, 1851): AP, CU (Callanga, Vilcanota), HU (Llullapichis, Monzón, Pachitea), JU (Pan de Azúcar, Satipo), LI (Callao), LO (Iquitos, Mishuyacu), UC (Atalaya, Pucallpa)
- 817. *coeruleorufa* Willink, 1982: CU (Callanga), HU (Tingo María), LO (Mishuyacu)
- 818. *dimidiata* de Saussure, 1852: HU (Llullapichis, Sinchona, Tingo María), JU (Chanchamayo, Pan de Azúcar, Satipo), LO (Iquitos, Mishuyacu), SM (Bellavista), UC (Pucallpa)

- 819. *grossa* Willink, 1982: UC (Neshuya)
- 820. *liliacea* Gribodo, 1891: HU (Tingo María), JU, UC (Pucallpa)
- 821. *liliaciosa* Gribodo, 1891: *, LO (Pebas)
- 822. *morosa* de Saussure, 1852: JU (Satipo)
- 823. *pelagica* subsp. *pelagica* de Saussure, 1852: AM (Marañón), HU (Tingo María), LO (Iquitos), UC (La Junta, Pucallpa)
- 824. *pelagica* subsp. *sepulchralis* de Saussure, 1855: HU (Llullapichis), UC (Pucallpa)
- 825. *petiolata* de Saussure, 1855: HU (Tingo María)
- 826. *trinitata* Willink, 1982: SM
- 827. *vechti* Willink, 1982: CU (Callanga), HU (Cueva de las Pavas, Pachitea), LO (Iquitos), MD (Iberia)

Omicron de Saussure, 1855 [Giordani Soika 1978]

- 828. *aequale* Giordani Soika, 1978: HU (Previsto, Tingo María), (= *nigritum* Giordani Soika, 1978)
- 829. *belti* (Cameron, 1907): CU (Callanga)
- 830. *conclamatum* Giordani Soika, 1978: HU (Tingo María), UC (Pucallpa)
- 831. *criticum* subsp. *criticum* (Schulz, 1906): CU (Quincemil), HU (Tingo María), JU (Chanchamayo, El Campamento), PA (Puerto Bermúdez), UC (Atalaya, Pucallpa), (= *gracilis* Fox, 1899)
- 832. *criticum* subsp. *richardsi* Giordani Soika, 1978: CU (Vilcanota), SM
- 833. *foxi* (Schulz, 1905): LO (La Sombra)
- 834. *globoicelle* (Spinola, 1841): CU (Callanga), HU (Llullapichis, Pachitea), JU (Chanchamayo), LO (La Chorrera, Putumayo), UC (Pucallpa)
- 835. *gondwanianum* Giordani Soika, 1978: CU (Machu Picchu), HU (Divisoria, Sinchona), JU (El Campamento, Huacapistana, Oreja de Capelo)
- 836. *lustratum* Giordani Soika, 1978: UC (Pucallpa)
- 837. *nanum* subsp. *incarum* Giordani Soika, 1978: *, CU (Callanga, Quincemil), HU (Previsto, Tingo María), JU (Chanchamayo, El Campamento), LO (Iquitos), MD (Avispas), UC (Atalaya, Pucallpa)
- 838. *nymphale* (Zavattari, 1912): HU (Tingo María), JU (Chanchamayo)
- 839. *paranymphum* (Zavattari, 1912): HU (Previsto, Tingo María), JU (El Campamento), UC (Pucallpa)
- 840. *reliquum* Giordani Soika, 1978: JU (Oreja de Capelo)
- 841. *rubellulum* subsp. *flavellulum* Giordani Soika, 1978: *, CA (Tembladera), LL (Chepén), LI (Chosica)
- 842. *ruficelle* subsp. *schunkei* Giordani Soika, 1978: Endemic*, JU (Chanchamayo)
- 843. *ypsilon* Giordani Soika, 1978: CU (Vilcanota)

Pachodynerus de Saussure, 1870 [Willink & Roig-Alsina 1998]

- 844. *argentipilis* Willink & Roig-Alsina, 1998: HU (Monzón)
- 845. *bicuspidatus* Willink & Roig-Alsina, 1998: *, LI (Chosica, Lima, Rímac), LA (Lambayeque, Zaña), LI (Chancay), LL (Chepén, Chicama, Samne, Simbal, Trujillo)

846. *brevithorax* (de Saussure, 1853): HU (Tingo María), LA (Olmos), LO (Iquitos, Tapiche), UC (Pucallpa, Yarinacocha)
 847. *diabolicus* (de Saussure, 1853): Endemic*, AN (Casma), IC (Pisco), LA (Lambayeque, Zaña), LI (Callao, Cocachacra, Cupiche, La Molina, Matucana, Palle, Santa Eulalia, Surco, Verrugas), LL (Chepén, Laredo, Simbal, Trujillo), PI (Negritos, Paita, Talara)
 848. *gaullei* Brèthes, 1920: CA (Q Nancho), LA (Chongoyape, Lambayeque, Motupe, Oyotum, Olmos, Zaña), LL (Chepén, Pacasmayo, Samne, Simbal, Trujillo), LI (Chancay, Chosica, Cupiche, Palle, Santa Eulalia), PI (Mogollón, Rumipampa), TU (Puerto Pizarro)
 849. *gianellii* (Gribodo, 1891): HU (Llullapichis, Tingo María)
 850. *grandis* Willink & Roig-Alsina, 1998: LL (Simbal)
 851. *guadulpensis* (de Saussure, 1853): AP (Curahuasi), AY (Cangallo, Huanta, Ninabamba), CA (Jaén), CU (Quillabamba, Santa Ana), HU (Las Palmas, Llullapichis, Monzón, Tingo María, Yurac), JU (Chanchamayo, Huanacayo, La Merced, Perené, San Luis de Shuaro), MD (Tambopata), PA (Huancabamba), UC (Acobamba, Pucallpa), (= *praecox* de Saussure, 1855, = *zonatus* de Saussure, 1870)
 852. *laplatae* (de Saussure, 1870): AY (Huatatas)
 853. *lima* Willink & Roig-Alsina, 1998: *, CA (Carahuasi, Q Nancho), LA (Lambayeque), LI (Chosica, Cupiche, Lima, Palle, Surco, Santa Eulalia, Verrugas), LL (Cartavio, Chicama, Samne, Simbal, Trujillo), TU (Tumbes)
 854. *nasidens* (Latreille, 1817): CU (Cosñipata), HU (Cueva de las Pavas, Llullapichis, Previsto, Tingo María), JU (Chanchamayo), LA (Lambayeque), LI (Chosica), LL (Cartavio), MD (Tambopata), UC (Pucallpa, San Alejandro)
 855. *pannus* Willink & Roig-Alsina, 1998: LA (Lambayeque)
 856. *parachartergoides* (Ducke, 1911): HU (Cueva de las Pavas)
 857. *peruensis* (de Saussure, 1855): AR (Arequipa, Sabandia, Tiabaya, Tingo, Yura), CA (Querocotillo), CU (Callanga, Cusco, Huaisampillo), IC (Huacachina), LA (Chongoyape, Motupe, Olmos), LI (Barranca, Chosica, Cupiche, La Molina, Lima, Matucana, Pachacámac, Palle, Surco, Santa Eulalia, Verrugas), LL (Cartavio, Chicama, Simbal, Trujillo), PI (Negritos, Paita, Piura, Talara), PU (La Huerta, Santo Domingo), TA (Tacna), ("El Pasto")
 858. *ucayali* Willink & Roig-Alsina, 1998: *, UC (San Alejandro)
- Pachymenes* de Saussure, 1852 [Giordani Soika 1990]
859. *ghilianii* subsp. *olivaceus* (de Saussure, 1875): HU (Tingo María), LO (Iquitos, Pebas), (= *velutinus* Ducke, 1911)
 860. *obscurus* subsp. *consuetus* Giordani Soika, 1990: MD (Avispas), UC (B Abad)
 861. *orellanae* subsp. *orellanae* (Schulz, 1905): HU (Llullapichis), JU (Chanchamayo), UC (Pucallpa)
 862. *orellanae* subsp. *vardyi* Giordani Soika, 1990: HU (Llullapichis, Tingo María)

863. *peruanus* Schrottky, 1911: CU
Pachymini Giordani Soika, 1978 [Giordani Soika 1978]
 864. *bifasciatum* (von Schulthess, 1904): CU (Cusco, Lucre)
Parancistrocerus Bequaert, 1925
 865. sp/spp.: SM
Pararhaphidoglossa von Schulthess, 1910 [Giordani Soika 1978]
 866. *bicarinata* Giordani Soika, 1978: *, HU (Pachitea), UC (Pucallpa)
 867. *colorata* (Fox, 1899): JU (Chanchamayo, El Campamento), UC (Pucallpa)
 868. *imitatrix* Giordani Soika, 1978: LO (La Chorrera), UC (Pucallpa)
 869. *invenusta* Giordani Soika, 1978: HU (Tingo María), LO (Mishuyacu, San Roque)
Parazumia de Saussure, 1855 [Ajmat & Willink 1980, Carpenter & Garcete-Barrett 2005]
 870. *carinulata* (Spinola, 1851): CU (Callanga), LO (Mishuyacu), UC (Pucallpa)
Pirhosigma Giordani Soika, 1978 [Giordani Soika 1978]
 871. *mearimense* subsp. *putumayense* Giordani Soika, 1978: LO (Putumayo)
Pseudodynerus de Saussure, 1855 [Hermes & Melo 2008]
 872. *maxillaris* (de Saussure, 1875): CU, JU (Chanchamayo), UC (Pucallpa), (= *garleppi* Schrottky, 1911)
 873. *subapicalis* (Fox, 1902): HU (Tingo María), JU (Perené)
Santamenes de Saussure, 1857 [Giordani Soika 1990]
 874. *novarae* (de Saussure, 1867): CU (Callanga, Vilcanota), HU (Llullapichis, Monzón, Tingo María), UC (Pucallpa)
 875. *peregrinus* (Zavattari, 1912): *, CU (Callanga), HU (Llullapichis), LO (Pebas)
Sphaeromenes Giordani Soika, 1978 [Giordani Soika 1978]
 876. *discrepatus* Giordani Soika, 1978: Endemic*, LI (Chillón, Rímac (1400m))
Stenodynerus de Saussure, 1863
 877. *corallineipes* (Zavattari, 1912): Endemic*, AN (Caraz) [**comb. n.**, J.M. Carpenter, pers. com.]
 878. *inca* de Saussure, 1871: LI
 879. *mimeticus* Bertoni, 1918: *, AR (Arequipa), CU (Barrio Magisterial, Lucre, Písaq), (= *pavidus* subsp. *cuzcoensis* Giordani Soika, 1974)
Stenonartonia Giordani Soika, 1973
 880. *apicipennis* (Fox, 1902): CU (Callanga), (= *lugens* von Schulthess, 1904)
 881. *polybioides* (von Schulthess, 1904): CU (Callanga), HU (Llullapichis), LO (Iquitos)
Stenosigma Giordani Soika, 1978 [Giordani Soika 1978, 1990]
 882. *humerales* Giordani Soika, 1990: JU (Chanchamayo), PA (Dos de Mayo, Pichis)
 883. *testaceum* (Fox, 1899): UC (Pucallpa)
 “*Symmorphus*” Wesmael, 1836
 Subgenus: *Symmorphus* Wesmael, 1836
 884. *cristatus* de Saussure, 1855, (= *pumilus* de Saussure, 1855) [Cumming (1989:85) reports that this was a misidentification. Unknown status]

Zeta de Saussure, 1855 [Giordani Soika 1975, Carpenter 1987]

885. *argillaceum* (Linnaeus, 1758): AP (Abancay-Cusco), CA (Jaén), HU (Huánuco), JU (Chanchamayo, El Campamento, Huacapistana), LI (Chosica, Lima, Verrugas), PI, UC (Pucallpa), (= *apurimacensis* Giordani Soika, 1975, = *dives* Zavattari, 1912, = *incarum* Giordani Soika, 1975, = *orbignii* de Saussure, 1852, = *peruense* Giordani Soika, 1975)

Zethus Fabricius, 1804 [Bohart & Stange 1965, Stange 1976, 1978]

Subgenus: *Zethoides* Fox, 1899

886. *biglumis* subsp. *biglumis* Spinola, 1841: LO (Iquitos)
 887. *binodis* (Fabricius, 1793): LO (Putumayo)
 888. *carinatus* F. Smith, 1857: JU (El Campamento)
 889. *peruvicus* R. Bohart & Stange, 1965: Endemic*, LO (Iquitos)
 890. *pygmaeus* Zavattari, 1912: *, LO (Pebas), HU (Monzón)
 891. *schadei* R. Bohart & Stange, 1965: JU (Perené)
 892. *schlingereri* R. Bohart & Stange, 1965: Endemic*, UC (Pucallpa)
 893. *toltecus* subsp. *toltecus* de Saussure, 1875: HU (Tingo María), LO (Pebas), (= *duckei* Zavattari, 1912)

Subgenus: *Zethus* Fabricius, 1804

894. *adonis* R. Bohart & Stange, 1965: HU (Tingo María), (= *brasiliensis* Fox, 1899)
 895. *alticola* R. Bohart & Stange, 1965: Endemic*, CA (Cutervo, Cajamarca), LI (Callahuanca, Churín, Matucana, Palle), LL (Samne)
 896. *attenuatus* R. Bohart & Stange, 1965: Endemic*, HU (Monzón)
 897. *boharti* Stange, 1976: Endemic*, LO (Iquitos)
 898. *caracis* R. Bohart & Stange, 1965: Endemic*, SM (Achinamisa)
 899. *chimorum* R. Bohart & Stange, 1965: HU (Pachitea), LO (Yurimaguas)
 900. *cylindricus* Fox, 1899: CU (Sahuaycu), HU (Pachitea), JU (Chanchamayo)
 901. *fritzi* Stange, 1978: *, LL (Laredo, Samne, Simbal)
 902. *fuscus* (Perty, 1833): HU (Llullapichis, Monzón), LI (Chancay), LL (Simbal), LO (La Chorrera)
 903. *garciai* R. Bohart & Stange, 1965: Endemic*, AY (Cangallo)
 904. *harlequinus* R. Bohart & Stange, 1965: Endemic*, JU (Huacapistana)
 905. *huascari* R. Bohart & Stange, 1965: Endemic*, PA (Pozuzo)
 906. *inca* Kirsch, 1878: JU (Chanchamayo, Huacapistana)
 907. *infundibuliformis* (Fabricius, 1804): Peru?
 908. *neffi* Stange, 1978: Endemic*, LA (Lambayeque)
 909. *peruvianus* Zavattari, 1912: Endemic*, CU (Vilcanota)
 910. *roridus* Zavattari, 1912: LO (Pebas)
 911. *rossi* R. Bohart & Stange, 1965: Endemic*, HU (Monzón)
 912. *scandens* Zavattari, 1913: Endemic*, HU (Pachitea)
 913. *schulthessi* Zavattari, 1913: Endemic*
 914. *shannoni* R. Bohart & Stange, 1965: Endemic*, LO (Iquitos)
 915. *sichelianus* (de Saussure, 1855): LA (Lambayeque)
 916. *simulans* R. Bohart & Stange, 1965: Endemic*, CA (Jaén)

- 917. *smithii* de Saussure, 1855: CU (Vilcanota), HU (Llullapichis, Monzón), SM
- 918. *weyrauchi* R. Bohart & Stange, 1965: Endemic*, AN (Huaráz)
Subgenus: *Zethusculus* de Saussure, 1855
- 919. *brasiliensis* subsp. *fuscatus* R. Bohart & Stange, 1965: CU (Cusco), HU (Tingo María), JU (La Merced), LO (Iquitos, Putumayo),
- 920. *carbonarius* F. Smith, 1857: HU (Tingo María)
- 921. *imperfectus* Fox, 1899: HU (Tingo María), LO (Pebas)
- 922. *magnus* de Saussure, 1852: LO (Iquitos)
- 923. *mexicanus* subsp. *lugubris* Perty, 1833: CU, LO
- 924. *mexicanus* subsp. *mexicanus* (Linnaeus, 1758): LO
- 925. *romandinus* de Saussure, 1852: HU (Llullapichis), UC (Pucallpa)
- 926. *westwoodi* de Saussure, 1852: CA (Jaén), LA (Chongoyape, Lambayeque), LI (Chancay), LL (Simbal), PI (Talara)

Masarinae

Gayellini

Paramasaris Cameron, 1901 [Carpenter 2001, Carpenter *et al.* 2006]

- 927. *cupreus* Giordani Soika, 1974: UC (Pucallpa)

Masarini

Trimeria de Saussure, 1854 [Richards 1962, Carpenter 2001, Carpenter *et al.* 2006]

- 928. *cockerelli* (Bequaert, 1928): Endemic*, LL, PI (Paíta)

Polistinae

Epiponini

Agelaia Lepeletier de Saint Fargeau, 1836, (= *Stelopolybia* Ducke, 1910, = *Gymnopolybia* Ducke, 1914) [Cooper 2000b, 2001]

- 929. *angulata* subsp. *angulata* (Fabricius, 1804): CU, HU (Llullapichis), JU (La Merced), LO
- 930. *cajennensis* (Fabricius, 1798): CU, HU (Llullapichis, Tingo María), JU (Chanchamayo), LO
- 931. *centralis* Cameron, 1907: HU (Llullapichis, Tingo María), JU (Chanchamayo), LO, PA, SM, UC, (= *fulvanceps* Bequaert, 1944, = *myrmecophila* in Richards, 1978)
- 932. *cornelliana* subsp. *cornelliana* (Richards, 1943): *, JU (Huacapistana, Oreja de Capelo)
- 933. *cornelliana* subsp. *subterranea* Richards, 1978: *, CU (Cosñipata, Machu Picchu), HU (Sinchona), PA (Oxapampa)
- 934. *flavipennis* (Ducke, 1905): HU (Llullapichis), JU, LO, MD, SM
- 935. *fulvofasciata* (DeGeer, 1773): CU, HU (Llullapichis), JU (Chanchamayo), LO, SM, (= *vulgaris* Ducke, 1904)
- 936. *hamiltoni* Richards, 1978: JU (Chanchamayo), UC (Pucallpa)
- 937. *lobipleura* subsp. *lobipleura* Richards, 1978: *, CU (Paucartambo), HU (Tingo María), JU (Chanchamayo), PA (Oxapampa), UC (B Abad)

938. *lobipleura* subsp. *melanogaster* Richards, 1978: Endemic*, HU (Previsto)
939. *multipicta* (Haliday, 1836): HU, LO
940. *myrmecophila* (Ducke, 1905): HU (Tingo María)
941. *nigrescens* Cooper, 2001: JU (San Ramón)
942. *ornata* (Ducke, 1905): CU, HU (Llullapichis), JU (San Luis de Shuaro), LO
943. *pallidiventris* (Richards, 1978): HU, JU, PA
944. *pallipes* subsp. *festae* (Zavattari, 1906): *, AM, CA, CU, HU (Tingo María), JU (La Merced, Oreja de Capelo), LO, PI, SM, UC (Pucallpa), (= *cuzcoensis* Schrottky, 1911)
945. *pallipes* subsp. *pallipes* (Olivier, 1791): LO
946. *panamaensis* (Cameron, 1906): CU, HU
947. *testacea* (Fabricius, 1804): HU (Llullapichis), JU (Chanchamayo), LO, SM
- Angiopolybia* Araujo, 1946 [Andena *et al.* 2007]
948. *pallens* (Lepeletier de Saint Fargeau, 1836): CU, HU (Llullapichis, Tingo María, Yurac), JU (Chanchamayo), PA (Oxapampa), SM
949. *paraensis* (Spinola, 1851): CU, HU (Yurac), JU (Perené, San Luis de Shuaro), LO, MD (Avispas), PA
950. *zischkai* Richards, 1978: CU (Marcapata), HU (Divisoria), JU (Chanchamayo), PA (Oxapampa), UC (Pucallpa)
- Apoica* Lepeletier de Saint Fargeau, 1836 [Pickett & Wenzel 2007]
- Subgenus: *Apoica* Lepeletier de Saint Fargeau, 1836
951. *albimacula* (Fabricius, 1804): AM (Pomacochas), CU (Cosñipata)
952. *flavissima* van der Vecht, 1973: CU, HU (Llullapichis, Tingo María), LO, MD (Puerto Maldonado), UC (Pucallpa)
953. *gelida* van der Vecht, 1972: CU, HU (Tingo María), JU, LO
954. *pallens* (Fabricius, 1804): CU (Urubamba), HU, JU (San Luis de Shuaro), LO
955. *pallida* (Olivier, 1791): HU, JU (Satipo), LO, PA (Oxapampa), UC (Yarinacocha)
956. *strigata* Richards, 1978: *, CU (Cosñipata, Santa Ana), HU (Llullapichis, Monzón, Pachitea, Tingo María), JU (Chanchamayo, Oreja de Capelo, San Ramón), LO (Iquitos), UC (Pucallpa)
957. *thoracica* du Buysson, 1906: CU, HU (Chinchao, Llullapichis), JU (Chanchamayo), LO, PA (Oxapampa), SM, UC
- Subgenus: *Deuteraipoica* Dalla Torre, 1904
958. *arborea* de Saussure, 1854: CU, HU (Monzón), JU (San Ramón), LO
- Asteleoeca* Raw, 1985 [Carpenter *et al.* 2004]
959. *trails* (Cameron, 1906): LO
960. *ujhelyii* (Ducke, 1909): HU (Pachitea, Tingo María), LO (Rio Sucusari), (= *trails* in García 1978)
- Brachygastra* Perty, 1833, (= *Nectarina* Swainson & Shuckard, 1840) [Naumann 1968]
961. *augusti* (de Saussure, 1854): AY (Luisiana), CA (Jaén), HU (Divisoria, Llullapichis, Pachitea, Tingo María, Yurac), JU (La Merced, San Ramón),

- LO (Iquitos, Nuevo Requena), PA (Iscozacín), PI (Suyo, Zapayal), SM, UC (Neshuya), (= *quinta* R. von Ihering, 1903)
962. *baccalaurea* (R. von Ihering, 1903): *, CU, JU (Huacapistana, Oreja de Capelo)
963. *bilineolata* Spinola, 1841: CA (San Ignacio), LO, PA (Dos de Mayo, Pichis)
964. *buyssoni* (Ducke, 1905): HU (Tingo María), LO (Iquitos, Pebas)
965. *fistulosa* Naumann, 1968
966. *lecheguana* (Latreille, 1824): CA, LA (Motupe, Pacasmayo), LL (San Pedro de Lloc), PI (Amotape, Morropón, Suyo), TU (Tumbes)
967. *moebiana* (de Saussure, 1867): JU (Chanchamayo), LO (Iquitos)
968. *propodealis* Bequaert, 1943: *, HU (Tingo María), LO, PA (Iscozacín), UC (Pucallpa)
969. *scutellaris* (Fabricius, 1804): CU (Cosñipata, Marcapata, Santa Isabel), HU (Tingo María), JU (La Merced, Perené, Satipo), LO (Iquitos, Pebas), PA (Pichis), SM, (= *scutellaris* var. *gribodoi* du Buysson, 1905)
970. *smithii* (de Saussure, 1854): LO (Putumayo)
- Chartergellus* Bequaert, 1938
971. *amazonicus* Richards, 1978: (= *frontalis* in Weyrauch 1943)
972. *nigerrimus* Richards, 1978: no locality given
973. *punctatior* Richards, 1978: *, HU (Cayumba, Tingo María), JU, PA (Oxapampa)
974. *zonatus* Spinola, 1851: LO (Iquitos)
- Charterginus* Fox, 1898 [Andena *et al.* 2009]
975. *fulvus* Fox, 1898: AP, CU, HU, LO (Yurimaguas), SM, UC (Pucallpa)
976. *weyrauchi* Richards, 1978: Endemic*, HU (Sinchona)
- Chartergus* Lepeletier de Saint Fargeau, 1836
977. *artifex* (Christ, 1791): HU (Llullapichis), LO, (= *chartarius* Olivier, 1792)
- Clypearia* de Saussure, 1854, (= *Occipitalia* Richards, 1978) [Carpenter *et al.* 1996]
978. *apicipennis* (Spinola, 1851): HU (Pachitea)
979. *ducke* Richards, 1978: HU
980. *sulcata* (de Saussure, 1854): LO (Amazonas-Napo)
981. *weyrauchi* Richards, 1978: *, HU (Tingo María), UC (B Abad)
- Epipona* Latreille, 1802 [Cooper 2002]
982. *media* Cooper, 2002: *, CU (Cosñipata), HU (Tingo María), JU (Chanchamayo), MD (Avispas), UC (Pucallpa), (= *quadrutuberculata* in Richards 1978)
983. *niger* (Brèthes, 1926): HU
984. *tatua* (Cuvier, 1797): CU, HU (Llullapichis, Tingo María), LO, SM
- Leipomeles* Möbius, 1856
985. *dorsata* (Fabricius, 1804): CU, HU, JU (Satipo), LO, MD
986. *pusilla* (Ducke, 1904)
987. *spilogastra* (Cameron, 1912): HU (Pachitea), JU, UC, (= *nana* de Saussure, 1864)

Metapolybia Ducke, 1905

- 988. *acincta* Richards, 1978: HU (Llullapichis, Tingo María), UC (Pucallpa)
- 989. *aztecoides* Richards, 1978: JU (Satipo)
- 990. *cingulata* (Fabricius, 1804): CU, HU, JU (Huacapistana, La Merced, Mariposa, Satipo), SM, UC
- 991. *decorata* (Gribodo, 1896): *, LO, UC
- 992. *docilis* Richards, 1978: HU (Divisoria, Pachitea), JU (Huacapistana, Mariposa, San Luis de Shuaro), PA (Oxapampa)
- 993. *suffusa* (Fox, 1898): HU (Pachitea, Tingo María), JU (San Luis de Shuaro)
- 994. *unilineata* (R. von Ihering, 1904): HU (Pachitea)

Parachartergus R. von Ihering, 1904 [Cooper 2000a]

- 995. *amazonensis* Ducke, 1905: LO (La Sombra), UC (Atalaya, Pucallpa), (= *fulgidipennis* de Saussure, 1854, *sensu* Richards 1978)
- 996. *colobopterus* (Lichtenstein, 1796): PI
- 997. *flavofasciatus* (Cameron, 1906): PA (Puerto Bermúdez), UC (Atalaya)
- 998. *fraternus* (Gribodo, 1892): HU (Llullapichis), JU (Chanchamayo, San Ramón), LO
- 999. *fulgidipennis* (de Saussure, 1854): CU (Cosñipata), (= *fasciipennis* Ducke, 1905)
- 1000. *griseus* (Fox, 1898): LO (La Sombra)
- 1001. *smithii* (de Saussure, 1854): HU (Pachitea, Tingo María), JU (Chanchamayo), PI (Morropón, Suyu), SM, UC (Pucallpa)
- 1002. *wagneri* du Buysson, 1904: LO (La Sombra)
- 1003. *weyrauchi* Willink, 1959: *, CU, HU (Divisoria), JU, LO, PA (Oxapampa), (= *decipiens* Willink, 1959)

Polybia Lepeletier de Saint Fargeau, 1836 [Cooper 1993]

Subgenus: *Alpha* de Saussure, 1854

- 1004. *bifasciata* de Saussure, 1854: CU, HU (Yurac), JU, SM, (= *heydeniana* de Saussure, 1864)
- 1005. *quadricincta* de Saussure, 1854: HU (Tingo María), JU (Chanchamayo, La Merced, Oreja de Capelo, San Ramón), LO, SM, (= *bifasciata* var. *melipennis* Bequaert, 1943, = *bifasciata* var. *restrepoensis* Bequaert, 1943, = *bifasciata* var. *xanthopyga* Bequaert, 1943)
- 1006. *signata* Ducke, 1905: LO (Iquitos)
Subgenus: *Apopolybia* Richards, 1978
- 1007. *jurinei* de Saussure, 1854: CU, HU (Llullapichis, Tingo María), JU (Chanchamayo), LO, MD, SM
Subgenus: *Cylindroeca* Richards, 1978
- 1008. *dimidiata* (Olivier, 1791): AP, HU (Llullapichis, Tingo María), JU (Satipo), SM
Subgenus: *Formicicola* Richards, 1978
- 1009. *rejecta* (Fabricius, 1798): CU (Huadquiña, Santa Ana), HU (Llullapichis, Tingo María), JU (Chanchamayo, Perené), LO, SM, (= *belizensis* Cameron, 1906)

Subgenus: *Furnariana* Richards, 1978

1010. *furnaria* R. von Ihering, 1904: HU (Pachitea)

1011. *richardsi* Cooper, 1993: LO (Nanay)

Subgenus: *Myrapetra* White, 1841

1012. *aequatorialis* subsp. *aequatorialis* Zavattari, 1906: HU (Carpish)

1013. *belemensis* subsp. *belemensis* Richards, 1970: SM

1014. *bistriata* (Fabricius, 1804): AP, CU, HU (Tingo María), JU (Chanchamayo), LO

1015. *catillifex* Möbius, 1856: CU (Marcapata), HU (Tingo María), JU (Chanchamayo, San Ramón), LO, SM, (= *septentrionalis* R. von Ihering, 1904)

1016. *digueta* du Buysson, 1905: CU, HU (Llullapichis), LO, PA, SM

1017. *dimorpha* Richards, 1978: CU (Cosñipata)

1018. *divisoria* Richards, 1978: HU (Divisoria, Sinchona)

1019. *fastidiosuscula* de Saussure, 1854: *, CA, HU, JU, LA, LL, PI, SM (La Masa), TU

1020. *ficaria* Richards, 1978: Endemic*, CA (Celendin)

1021. *flavifrons* subsp. *barbatula* Richards, 1978: *, CA, HU, LA (Guadalupe, Olmos), LL (Chicama, San Pedro de Lloc, Trujillo), PI (Morropón, Piura, Suyo, Zapayal), TU (Pocitos, Tumbes)

1022. *flavifrons* subsp. *hecuba* Richards, 1951: CU (Machu Picchu)

1023. *juruana* R. von Ihering, 1904: AP, CU (Quillabamba, Santa Ana), JU (Chanchamayo, La Merced), PA, UC (Pucallpa)

1024. *occidentalis* subsp. *bohemani* Holmgren, 1868: HU, UC

1025. *occidentalis* subsp. *occidentalis* (Olivier, 1791): HU (Sinchona), LO, SM, UC (Pucallpa)

1026. *occidentalis* subsp. *venezuelana* Giordani Soika, 1965: TU (Estero Bendito)

1027. *platycephala* subsp. *platycephala* Richards, 1951: HU, LO

1028. *platycephala* subsp. *sylvestris* Richards, 1978: JU, UC (B Abad, Pucallpa)

1029. *scrobalis* subsp. *pronotalis* Richards, 1978

1030. *scrobalis* subsp. *scrobalis* Richards, 1970: CU, HU, LO

Subgenus: *Pedothoeca* Richards, 1978

1031. *brunnea* (Curtis, 1844): JU

1032. *emaciata* Lucas, 1879: CU (Santa Ana), HU (Llullapichis, Pachitea, Tingo María), JU (Chanchamayo, La Merced, Satipo), LO (Nuevo Requena), SM, UC (Neshuya, Pucallpa)

1033. *singularis* Ducke, 1905: HU (Pachitea), LO (Nuevo Requena), UC (Neshuya, Pucallpa)

Subgenus: *Platypolybia* Richards, 1978

1034. *incerta* Ducke, 1907: AY (San Miguel), HU (Previsto, Sinchona), JU (Satipo), PA (Oxapampa), (= *incerta* var. *weyrauchi* Bequaert, 1943)

1035. *procellosa* subsp. *dubitata* Ducke, 1910: CU, HU, JU (Satipo), LO

1036. *procellosa* subsp. *procellosa* Zavattari, 1906: JU (Perené), PA (Pichis)

Subgenus: *Polybia* Lepeletier de Saint Fargeau, 1836

1037. *liliacea* (Fabricius, 1804): CU, HU (Llullapichis), LO
1038. *striata* (Fabricius, 1787): AP, CU (Urubamba), HU (Llullapichis), JU (La Merced, Oreja de Capelo), LO, MD, PA (Oxapampa), SM
Subgenus: *Synoecoides* Ducke, 1905
1039. *depressa* Ducke, 1905: UC (Pucallpa)
Subgenus: *Trichinothorax* Carpenter & Day, 1988, (= *Trichothorax* Richards, 1978)
1040. *batesi* Richards, 1978: PA (Puerto Bermúdez)
1041. *eberhardae* Cooper, 1993: HU (Previsto), JU (Chanchamayo), UC (B Abad, Pucallpa)
1042. *flavitincta* Fox, 1898: CU
1043. *gorytoides* subsp. *sculpturata* Ducke, 1904: LO
1044. *ignobilis* (Haliday, 1836): AM, CA, CU (Machu Picchu), JU (Satipo), LA (Chiclayo, Motupe), LO, PI (Morropón, Piura), PU, SM (Tarapoto), TU (Tumbes), (= *nigra* de Saussure, 1858, = "*negra*" Weyrauch, 1943)
1045. *micans* Ducke, 1904: HU (Llullapichis, Previsto, Sinchona), JU (Chanchamayo, Perené), PA (Pichis), UC (B Abad, Pucallpa)
1046. *rufitarsis* subsp. *peruviana* Bequaert, 1943: *, CU, HU (Previsto, Tingo María), JU (Satipo), LO, PA (Oxapampa)
1047. *sericea* (Olivier, 1791): CA, CU (Santa Ana)
1048. *tinctipennis* subsp. *tinctipennis* Fox, 1898: HU (Llullapichis), JU (San Ramón), LO, SM
1049. *velutina* Ducke, 1905: CU, HU, JU (Chanchamayo), LO, SM, UC (Pucallpa)
- Protopolybia* Ducke, 1905, (= *Pseudochartergus* Ducke, 1905) [Carpenter & Wenzel 1990, Silveira & Carpenter 1995]
1050. *acutiscutis* (Cameron, 1907): HU, JU (Chanchamayo), PA (Oxapampa), LO
1051. *amarella* Bequaert, 1944: HU (Llullapichis, Pachitea, Tingo María), UC (Pucallpa)
1052. *bella* (R. von Ihering, 1903): HU, JU (San Ramón)
1053. *biguttata* Bequaert, 1944: Endemic*, JU (Chanchamayo, Perené)
1054. *bituberculata* Silveira & Carpenter, 1995: LO (Iquitos, Sucusari)
1055. *chanchamayensis* Bequaert, 1944: Endemic*, HU, JU (Chanchamayo, Perené, San Ramón), SM
1056. *chartergoides* subsp. *boshelli* Bequaert, 1938: HU (Iparía, Llullapichis, Tingo María), JU, UC (Pucallpa)
1057. *chartergoides* subsp. *chartergoides* (Gribodo, 1891): CU, HU (Llullapichis, Tingo María), JU (Chanchamayo), LO
1058. *emortalis* (de Saussure, 1855): HU (Llullapichis, Tingo María), LO
1059. *exigua* subsp. *binominata* (Schulz, 1906): CU (Cosñipata), HU (Pachitea, Tingo María), JU (Satipo)
1060. *exigua* subsp. *exigua* (de Saussure, 1854): HU (Iparía), JU (La Merced), LO (Iquitos), (= *punctulata* Ducke, 1907)

1061. *fuscatus* (Fox, 1898): AP, HU, JU (Perené), LO
 1062. *iheringi* Ducke, 1910: Endemic*, AP, CU (Marcapata)
 1063. *minutissima* (Spinola, 1851): HU, JU (Chanchamayo), LO
 1064. *nitida* (Ducke, 1904): HU (Pachitea)
 1065. *rubrithorax* Bequaert, 1944: Endemic*, HU (Tingo María)
 1066. *sedula* (de Saussure, 1854): HU (Llullapichis, Tingo María), JU, LO, PA (Oxapampa), (= *pumilla* in Weyrauch 1943)
 1067. *weyrauchi* Bequaert, 1944: Endemic*, JU (San Ramón)
Pseudopolybia de Saussure, 1863 [Andena *et al.* 2007]
 1068. *compressa* (de Saussure, 1854): CU, HU, JU (Perené, San Ramón), LO (La Chorrera), MD (Tambopata), (= *luctuosus* F. Smith, 1857, = *laticinctus* Ducke, 1904)
 1069. *difficilis* (Ducke, 1905): LO (La Chorrera, Putumayo)
 1070. *vespiceps* (de Saussure, 1864): JU, LO, PA (Oxapampa), (= *vespiceps* var. *testacea* Ducke, 1907)
Synoecca de Saussure, 1852
 1071. *chalibea* de Saussure, 1852: AP, CU (Vilcanota), HU (Llullapichis, Pachitea, Tingo María), JU (Satipo), LO, PA, (= *irina* var. *splendens* du Buysson, 1906)
 1072. *septentrionalis* Richards, 1978: PI (Suyo, Zapayal), TU (La Palma, Papayal, Pocitos, Tumbes), ("Las Virgenes", "Tambillo")
 1073. *surinama* (Linnaeus, 1767): HU (Llullapichis, Tingo María), JU (Chanchamayo), LO, UC (Pucallpa)
 1074. *virginea* (Fabricius, 1804): CU, HU (Llullapichis, Tingo María)

Mischocyttarini

- Mischocyttarus* de Saussure, 1853 [Cooper 1996ab, 1997ab, 1998ab, Oliveira 2006]
 Subgenus: *Chlypeopolybia* Brèthes, 1923
 1075. *carbonarius* subsp. *carbonarius* (de Saussure, 1854): HU (Llullapichis), LO
 1076. *flavicans* subsp. *flavicans* (Fabricius, 1804): AM, HU (Iparía), LO
 1077. *woytkowskyi* Richards, 1978: Endemic*, CU (Cosñipata)
 Subgenus: *Haplometrobius* Richards, 1978
 1078. *chanchamayoensis* Richards, 1978: *, JU (Chanchamayo, San Ramón), PA (Pozuzo)
 1079. *decimus* Richards, 1978
 1080. *dimorphus* Zikán, 1949: Endemic*, JU (Chanchamayo)
 1081. *elegantulus* Zikán, 1949: *, HU (Tingo María)
 1082. *filipendulus* Cooper, 1998: LO (Nanay)
 1083. *illusorius* Richards, 1978: *, CU (Santa Ana)
 1084. *interruptus* Richards, 1978: LO (Nanay)
 1085. *longicornis* Zikán, 1949: Endemic*, PA (Oxapampa)
 1086. *melanoleucus* Richards, 1978: Endemic*, HU (Previsto), UC (Pucallpa)
 1087. *melanoxanthus* Richards, 1978
 1088. *minifoveatus* Cooper, 1998: Endemic*, JU (San Ramón)

1089. *mifificus* Zikán, 1949
1090. *montivagus* Cooper, 1996: *, PA (Villa Rica)
1091. *nigropygialis* Zikán, 1949: Endemic*, JU (Oreja de Capelo), PA (Oxapampa)
1092. *ornatus* Zikán, 1949: *, JU (Oreja de Capelo, San Ramón)
1093. *peruanus* Zikán, 1949: Endemic*, CU (Santa Ana)
1094. *peruviensis* Richards, 1945: *, JU (Perené), PA (Pozuzo)
1095. *reflexicollis* Zikán, 1949: *, HU (Tingo María)
1096. *silvicola* Zikán, 1949: *, HU (Previsto), JU (San Ramón)
1097. *surinamensis* subsp. *surinamensis* (de Saussure, 1854): JU
1098. *synoecus* Richards, 1940: LO
1099. *tectus* Cooper, 1996: HU (Tingo María)
1100. *tenuis* Richards, 1945: Endemic*, CU, HU (Tingo María)
1101. *weyrauchi* Zikán, 1949: *, HU (Tingo María), JU (San Luis de Shuaro)
1102. *xanthocerus* Richards, 1945: HU (Tingo María)
Subgenus: *Kappa* de Saussure, 1853
1103. *imitator* (Ducke, 1904): HU (Tingo María), JU (Chanchamayo, Perené), LO (Tapiche), MD (Cocha Cashu), UC (Acobamba), (= *communalis* Richards, 1978)
1104. *injucundus* (de Saussure, 1854): *, CU?, HU (Previsto, Tingo María), JU (Satipo), LO (Iquitos, Rio Sucusari), UC (Pucallpa), (= *tingomariae* Richards, 1978)
1105. *latissimus* Richards, 1978: *, LO (Iquitos)
1106. *metathoracicus* (de Saussure, 1854): LO (Iquitos, Tapiche)
1107. *mysticus* Oliveira, 2006: Endemic*, no locality given
1108. *paris* Silveira, 2006: Endemic*, MD (Avispas)
1109. *pseudomimeticus* (Schulz, 1904): HU (Llullapichis), LO (Iquitos)
1110. *schunkei* Zikán, 1949: Endemic*, JU (Chanchamayo)
Subgenus: *Megacanthopus* Ducke, 1904
1111. *malaris* Richards, 1978: *, LO (Cerro Azul, Contamana)
1112. *melanopygus* Richards, 1945: *, JU (La Merced, San Luis de Shuaro, San Ramón, Satipo), LO (Iquitos)
1113. *saturatus* Zikán, 1949: *, HU (Tingo María), JU (La Merced)
Subgenus: *Mischocyttarus* de Saussure, 1853
1114. *cinerasceus* Zikán, 1949: Endemic*, JU (Oreja de Capelo), PA (Oxapampa)
1115. *drewseni* subsp. *andinus* Zikán, 1949: *, AP (Abancay), AY (Ayacucho, Huanta, Ninabamba, San Miguel), CA, CU (Urubamba), HU (Huánuco), HV (Anco), JU
1116. *drewseni* subsp. *drewseni* de Saussure, 1857: AY, CU, LO
1117. *gynandromorphus* Richards, 1945: *, JU (Perené), PA (Pichis)
1118. *labiatus* (Fabricius, 1804): AM, HU (Llullapichis), HV, JU, LO, MD
1119. *mattogrossoensis* Zikán, 1935: CU, (= *drewseni* subsp. *steinbachi* Richards, 1945)
1120. *rotundicollis* (Cameron, 1912): AP (Abancay), AY (Luisiana, Ninabamba, Pampas, San Miguel, San Francisco, Sivia), CU, HU (Huánuco, Pachitea),

- JU (Chanchamayo, San Ramón, Satipo), PA, UC (Neshuya), (= *fumigatus* Zikán, 1949, = *fumigatoides* Zikán, 1949)
1121. *smithii* de Saussure, 1853: LO
1122. *tomentosus* Zikán, 1935: AM, HU (Llullapichis), JU (Chanchamayo, La Merced, San Luis de Shuaro, Satipo), LO, (= *gibbicollis* Zikán, 1949)
Subgenus: *Monogynoecus* Richards, 1941
1123. *foveatus* Richards, 1941: UC (B Abad)
1124. *insolitus* Zikán, 1949: HU (Carpish)
1125. *lecointei* Ducke, 1904
Subgenus: *Omega* de Saussure, 1854, (= *Monacanthocnemis* Ducke, 1905)
1126. *vaqueroi* Zikán, 1949: *, HU (Tingo María), PA (Pozuzo)
Subgenus: *Phi* de Saussure, 1854, (= *Monocyttarus* Richards, 1978)
1127. *barbatulus* Richards, 1978: *, HU (Chinchao)
1128. *commixtus* Richards, 1978: Endemic*, JU (Oreja de Capelo), PA (Dos de Mayo, Pichis), (= *spadiceus* Zikán, 1949)
1129. *flavicornis* subsp. *nigricornis* Zikán, 1949: *, CU (Santa Ana), HU (Tingo María), JU (La Merced, San Ramón, Satipo), LO, PA (Oxapampa), (= *rufescens* Zikán, 1949)
1130. *flavoniger* Zikán, 1949: *, JU (Oreja de Capelo, San Ramón)
1131. *hirtulus* Zikán, 1949: Endemic*, JU (Huacapistana), (= *hirtuloides* Zikán, 1949)
1132. *imeldai* Zikán, 1949: *, JU (Chanchamayo)
1133. *inca* Zikán, 1949: Endemic*, no locality given
1134. *oreophilus* Zikán, 1949: *, CU (Machu Picchu)
1135. *peduncularius* Zikán, 1949: Endemic*, JU (Chanchamayo)
1136. *petiolatus* Zikán, 1949: *, CA (Jaén, San Ignacio), PI (Piura)
1137. *piceus* Zikán, 1949: Endemic*, JU (Chanchamayo), PA (Oxapampa), (= *fusconiger* in Weyrauch)
1138. *rufipes* Zikán, 1949: Endemic*, JU (Huacapistana)
1139. *tarmensis* Richards, 1945: Endemic*, JU (Huacapistana, Oreja de Capelo), (= *huacapistanus* Zikán, 1949, = *huacapistanoides* Zikán, 1949)
1140. *transandinus* Richards, 1978: Endemic*, LA (Olmos)
Subgenus: *Scytokeraia* Cooper, 1997
1141. *moralesi* Zikán, 1949: *, JU (Oreja de Capelo, San Ramón)
1142. *rhadinomerus* Cooper, 1997: Endemic*, AM (Rodríguez de Mendoza)
1143. *subornatus* Zikán, 1949: Endemic*, JU (San Ramon), PA (Oxapampa, Villa Rica)

Polistini

Polistes Latreille, 1802

Subgenus: *Aphanilopterus* Meunier, 1888

1144. *adelphus* Richards, 1978: TU (Tumbes)
1145. *aterrimus* de Saussure, 1853: AM (Pomacochas), AR, CU (Machu Picchu), HU (Chinchao), JU (Huacapistana, La Merced, Oreja de Capelo, Pichita, Tarma, San Ramón,), PA (Oxapampa)

1146. *bicolor* Lepeletier de Saint Fargeau, 1836: CU, HU (Llullapichis), JU (Chanchamayo, Perené), LO (Iquitos), SM, (= *sosia* Bequaert, 1937)
1147. *billardieri* subsp. *biglumoides* Ducke, 1904: AY (Ninabamba), CU, HU (Huánuco)
1148. *canadensis* subsp. *canadensis* (Linnaeus, 1758): CA (Celendin), CU (Urubamba), HU (Ambo, Huánuco, Tingo María), JU (Satipo), (= *panamensis* Holmgren, 1869)
1149. *carnifex* subsp. *boliviensis* Bequaert, 1936: JU (Chanchamayo, Perené)
1150. *carnifex* subsp. *carnifex* (Fabricius, 1775): LO, SM, UC
1151. *claripennis* Ducke, 1904: LO (Iquitos), UC (B Abad), (= *synoecoides* Ducke, 1907)
1152. *deceptor* Schulz, 1905: HU (Sinchona, Jumbatis), JU (La Merced, Perené, San Luis de Shuaro, San Ramón, Satipo), LI (Chosica), MD (Iberia)
1153. *erythrocephalus* Latreille, 1813: HU, MD
1154. *goeldii* Ducke, 1904: HU (Llullapichis, Tingo María), JU (Chanchamayo, Satipo), LO
1155. *huacapistana* Richards, 1978: Endemic*, JU (Huacapistana)
1156. *infuscatus* subsp. *anduzei* Bequaert, 1943: CU (Callanga)
1157. *infuscatus* subsp. *infuscatus* Lepeletier de Saint Fargeau, 1836: AM, JU (La Merced)
1158. *lanio* subsp. *lanio* (Fabricius, 1775): CA, CU, HU (Llullapichis), JU, LO
1159. *major* subsp. *weyrauchi* Bequaert, 1936: *, CA, HU (Huánuco), JU (Oreja de Capelo, San Ramón), LO
1160. *maranonensis* Willink, 1964: CA (Bellavista, Cajamarca, Celendin, Chontabamba, Chusgón, Jaén, Lajas, Limón, San Ignacio, Sunchubamba), (= *versicolor* var. *flavescens* Weyrauch, 1943 *nomen nudum*)
1161. *ninabamba* Richards, 1978: Endemic*, AY (Ninabamba)
1162. *occipitalis* Ducke, 1904: HU, JU (Satipo), LO (Iquitos)
1163. *pacificus* Fabricius, 1804: HU (Tingo María), JU (Satipo), LO (La Chorrera, Putumayo), PA (Pozuzo), UC (Pucallpa), (= *flavopictus* Ducke, 1918, = *liliaciosus* de Saussure, 1854, = *modestus* F. Smith, 1862)
1164. *peruvianus* Bequaert, 1934: Endemic*, AN, AR (Arequipa), IC (Chincha, Palpa), LA (Chiclayo, Pacasmayo), LI (Cañete, Chosica, Huaura, San Bartolomé, Verrugas), LL (San Pedro de Lloc, Trujillo), PI
1165. *rufiventris* Ducke, 1904: LO
1166. *testaceicolor* Bequaert, 1937: HU, JU (La Merced, San Ramón), LO, (= *analis* Fabricius, 1798)
1167. *versicolor* subsp. *flavoguttatus* Bequaert, 1934: CU (Santa Ana, Mándor), MD
1168. *versicolor* subsp. *versicolor* (Olivier, 1791): AP (Abancay, Curahuasi), AY (Huanta, Luisiana, Ninabamba, San Francisco, San Miguel, Sivia, Teresita), CA (Querocotillo), CU (Limatambo, Pichari), HU (Pachitea, Tingo María), HV (Anco, Campo Armiño), JU (Chanchamayo, Pampa Silva,

- San Ramón, Satipo), LA (Motupe), LO (Nuevo Requena), PA (Oxapampa), PI (Morropón, Piura, Talara, Zapayal), SM (Tarapoto), TU (Tumbes), UC (Cachi, Neshuya, Pucallpa), (= *versicolor* var. *vulgaris* Bequaert, 1934)
1169. *weyrauchorum* Willink, 1964: *, AN (Cajacay, Yungay), AY (San Pedro), AR (Arequipa, Atiquipa, Camaná, Caravelí, Ocoña), CA (Cascas, Chilete, Limón, Tembladera), IC (Ica, Pisco), LA (Chiclayo, Guadalupe, Motupe), LI (Atocongo, Cañete, Chillón, Chosica, Churín, Cocayalta, Huaaura, Huinco, La Molina, Lachay, Lima, Matucana, Q. Verde, Quilmaná, Pachacámac, Pueblo Libre, Verrugas, San Bartolomé, Santa Eulalia, Santa Rosa de Quives, Surco), LL (Cartavio, Chan-chan, Chicama, Pacasmayo, Paiján, San Pedro de Lloc, Trujillo), PI (Paita), TA (Tacna)
1170. *xanthogaster* subsp. *willei* Bequaert, 1940: Endemic*, AP (Abancay), AY (Ayacucho, Cangallo, Chacco, Huatatas, Huanta, Ninabamba, Río Blanco, San Miguel), CU (Limatambo), HV (Anco, Colorado, La Mejorada, Mariño, Pachachaca, Santo Tomás)

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Appendix I. Localities reported in the checklist including coordinates and altitude range (m a.s.l.).

Department	Locality	Longitude	Latitude	Altitude
AMAZONAS	Bagua (grande)	-78.43333	-5.75000	400
	Chachapoyas	-77.88333	-6.23333	2350
	Leimebamba	-77.76667	-6.71667	2300
	Pomacochas	-77.96667	-5.81667	2200
	Rodríguez de Mendoza	-77.48333	-6.40000	1500
	Santiago, Río	-77.63333	-4.43333	
	Sonche, Río	-77.90000	-6.10000	2300
ANCASH	Cajacay	-77.43333	-10.16667	2650
	Caraz	-77.81667	-9.05000	2400
	Casma	-78.31667	-9.46667	39
	Conococha, Lago	-77.28602	-10.12272	4150
	Huallanca	-77.86667	-8.81667	1400
	Huaráz	-77.53333	-9.53333	3050
	Huaylas	-77.90000	-8.85000	2750-2900
	Recuay	-77.46667	-9.71667	3400
	Yungay	-77.75000	-9.13333	2462
APURIMAC	Abancay	-72.86667	-13.63333	2300-2500
	Andahuaylas	-73.40000	-13.65000	2950
	Curahuasi	-72.70000	-13.55000	2750
	Cuya			
AREQUIPA	Arequipa	-71.51667	-16.38333	2300
	Atiquipa	-74.36667	-15.75000	300
	Camaná	-72.71667	-16.61667	10
	Caravelí	-73.38333	-15.75000	1800
	Cháparra, Lomas de	-73.86246	-15.73924	1450
	Cotahuasi	-72.90000	-15.20000	3000
	El Pasto	-71.54058	-16.46339	
	Ocoña	-73.10000	-16.43333	50
	Sabandia	-71.49587	-16.45018	
	Tambo	-71.83333	-17.06667	100
	Tiabaya	-71.59044	-16.44884	2200
	Tingo	-71.56667	-16.43333	2300
	Yura	-71.66667	-16.25000	2600
AYACUCHO	Ayacucho	-74.21667	-13.16667	2000-2750
	Blanco, Río			
	Cangallo	-74.14290	-13.62840	2600
	Chacco	-74.20000	-13.08333	2700
	Huanta	-74.25000	-12.93333	2600
	Huatatas	-74.19446	-13.15193	
	Lucanas	-74.25000	-14.60000	3350

Department	Locality	Longitude	Latitude	Altitude
AYACUCHO	Luisiana, Hacienda	-73.71667	-12.66667	500
	Ninabamba	-74.55000	-13.35000	3900
	Pampas, Río	-74.08333	-13.66667	2600
	Quinua	-74.13740	-13.04870	
	San Francisco	-73.80000	-12.61667	600
	San Miguel	-73.96667	-13.01667	2700
	San Pedro	-74.09820	-14.76790	
	Sivia	-73.85812	-12.51257	
	Tambo	-74.01667	-12.95000	3200
	Teresita			
CAJAMARCA	Bellavista	-78.65000	-5.61667	700
	Cajamarca	-78.51667	-7.15000	2800
	Carahuasi	-79.16670	-7.01667	
	Celendin	-78.15000	-6.86667	2625
	Chilete	-78.83333	-7.21667	1050
	Chontabamba	-78.75000	-6.91667	
	Cutervo, San Andrés de	-78.70000	-6.21667	2750
	Huascaray	-79.29387	-5.32489	
	Jaén	-78.81667	-5.70000	750
	Lajas	-78.73333	-6.56667	2300
	Limón	-78.06667	-6.85000	1600
	Limón, Quebrada	-78.08333	-6.83333	2000
	Nancho, Quebrada	-79.25000	-6.96667	400
	Otuzco	-78.46667	-7.13333	2300
	Pomahuaca	-79.23333	-5.93333	1100
	Querocotillo	-79.03333	-6.28333	2000
	San Ignacio	-79.00000	-5.15000	1100-1300
	Sunchubamba, Hacienda, nr. Cascas	-78.40000	-7.48333	2500
	Tembladera	-79.13333	-7.25000	400
CALLAO	Callao	-77.15000	-12.06667	10
CUSCO	Abancay-Cusco	-72.00000	-13.58333	
	Acjanaco	-71.61667	-13.20000	
	Acomayo	-71.68333	-13.91667	3200
	Aguas Calientes	-72.51667	-13.15000	2050-2200
	Alto Sambaray (nr. Quillabamba)	-72.70000	-12.86667	950-1050
	Atalaya	-71.35000	-12.90000	600
	Barrio Magisterial	-71.94770	-13.52570	
	Cajón, Hacienda	-71.55000	-13.06667	1330
	Callanga, Hacienda	-71.81667	-12.83333	1500
	Capana, Hacienda	-71.41667	-13.46667	3500
	Chocco, Quebrada	-71.39470	-14.51190	

Department	Locality	Longitude	Latitude	Altitude
CUSCO	Cosñipata, Río	-71.40000	-12.98333	800
	Cusco	-71.98333	-13.51667	3400-4200
	Huadquiña	-72.60000	-13.11667	1500
	Huaisampillo	-71.36667	-13.26667	3000
	Limatambo	-72.43333	-13.48333	2500
	Lucre	-71.73333	-13.63333	3050
	Machu Picchu	-72.54579	-13.16319	2385-2700
	Mándor	-70.90000	-13.36667	1100
	Marcapata	-70.91667	-13.43333	1500
	Miravalle	-71.98333	-13.51667	
	Ocobamba	-72.43333	-12.88333	1600
	Ollantaytambo	-72.25000	-13.25000	2700
	Pampas, Río	-73.25000	-13.38333	
	Paucartambo	-71.60000	-13.31667	2900
	Pichari, Río	-73.80000	-12.50000	
	Pisac	-71.85000	-13.43333	3000
	Quillabamba	-72.70000	-12.86667	950-1050
	Quincemil	-70.76667	-13.23333	630-650
	Rumipampa	-79.58972	-5.76000	
	Sacsayhuaman	-71.98333	-13.50000	
	Sahuaycu (probably Sahuyacu, not located)			
	San Miguel	-72.56667	-13.16667	1650-2000
	San Sebastián	-71.56030	-13.31400	3200
	Santa Ana	-72.73333	-12.86667	1000
	Santa Isabel	-71.53333	-13.05000	1350
	Sicuani	-71.23333	-14.26667	3500
	Tambo, Río			
	Tincochaca	-72.93333	-13.11667	2300
	Vilcanota, Río	-71.30000	-13.76667	
	Yucay	-72.08489	-13.32188	
HUANUCO	Ambo	-76.20000	-10.13333	2050
	Azul, Cordillera	-75.93333	-9.15000	1600
	Carpish, cordillera	-76.10000	-9.71667	2500-2800
	Cayumba, Puente (Cayumba grande)	-75.95000	-9.50000	800
	Chinchao	-76.06667	-9.65000	2000
	Cozumbe			
	Cuchara	-76.70000	-9.10000	750
	Cueva de las Pavas	-75.96667	-9.40000	800
	Divisoria, La	-75.83333	-9.21667	1600
	Huánuco	-76.23333	-9.91667	1900

Department	Locality	Longitude	Latitude	Altitude
HUANUCO	Iparia, Bosque Nacional de Jumbatis	-74.80000	-8.95000	250-300
	Las Palmas	-75.98333	-9.35000	700-1000
	Llullapichis	-74.93333	-9.61667	260
	Monzón, Valle de	-76.40000	-9.28333	950
	Pachitea, Río	-74.53333	-8.76667	150
	Palcazu, Río	-74.56000	-9.54000	
	Tambello Chica (E Tingo María)	-76.00000	-9.30000	670
	Tingo María	-76.00000	-9.30000	670
	Yurac	-75.01000	-9.20000	
HUANCAVELICA	Anco (= La Esmeralda)	-74.60000	-12.63333	2500
	Campo Armiño	-74.65000	-12.35000	1880
	Colorado, Río			
	La Mejorada	-74.99663	-12.50069	2850
	Mariño			
	Pachachaca	-75.02657	-12.71009	
	Santo Tomás	-74.42000	-13.11250	110
ICA	Chincha, Alta	-76.15000	-13.41667	120
	Huacachina, Laguna	-75.76667	-14.08333	400
	Ica	-75.71667	-14.06667	400
	Palpa	-75.18597	-14.53471	
	Pisco	-76.21667	-13.71667	10
JUNIN	Acobamba	-75.68333	-11.33333	3500
	Acolla	-75.55000	-11.73333	3450
	Casa de patos	-76.08333	-10.91667	4000
	Casapalo (nr. Junín)	-76.00000	-11.16667	4100
	Chanchamayo, Valle de	-75.31667	-11.05000	700
	El Campamento, Hacienda	-75.25000	-10.95000	650
	Huacapistana	-75.51667	-11.23333	1800-2500
	Huancayo	-75.20000	-12.06667	2000-3500
	Jauja	-75.50000	-11.78333	3400
	La Merced	-75.31667	-11.05000	750
	La Oroya	-75.90000	-11.51667	3700
	Mariposa	-74.75000	-11.40000	1200
	Oreja de Capelo	-75.45000	-11.18333	1600
	Palca, Río	-75.36667	-11.11667	1650
	Pampa Hermosa	-74.76667	-11.41667	1600
	Pampa Silva	-75.23333	-10.95000	650
	Pan de Azúcar	-75.48333	-11.13333	1600
	Paratushiali	-74.70081	-11.28952	
	Perené, Colonia del	-75.25000	-10.90000	750

Department	Locality	Longitude	Latitude	Altitude
JUNIN	Pichita, Mina	-75.41667	-11.08333	2100
	San Luis de Shuaro	-75.28333	-10.88333	750
	San Ramón	-75.35000	-11.13333	900
	Satipo, San Francisco de	-74.63333	-11.25000	650-900
	Tarma	-75.70000	-11.41667	3050
	Tarma-Jauja	-75.58333	-11.58333	
LAMBAYEQUE	Chiclayo	-79.85000	-6.76667	21
	Chinche, Quebrada			
	Chongoyape	-79.40000	-6.65000	200
	Lambayeque	-79.90000	-6.70000	20
	Motupe	-79.70000	-6.16667	100
	Olmos	-79.75000	-5.98333	150
	Oyotun	-79.30369	-6.85457	
	Oyotun	-79.31667	-6.85000	200
	Tumán	-79.71667	-6.75000	100
	Zaña, Río (Río Saña)	-79.71667	-7.08333	
LIMA	Atocongo	-76.91667	-12.20000	200
	Barranca	-76.90822	-12.19815	49
	Callahuanca	-76.61704	-11.82699	1760
	Canta	-76.62357	-11.46712	3000-4200
	Cañete, San Vicente	-76.38333	-13.08333	30
	Chancay	-77.25000	-11.56667	50
	Chilca	-76.45000	-12.31000	20
	Chillón, Río	-77.08333	-11.91667	
	Chontay	-76.71056	-12.03373	650
	Chorrillos	-77.03333	-12.16667	100
	Chosica	-76.70000	-11.93333	850
	Churín	-76.86667	-10.81667	2400
	Cieneguilla	-76.81160	-12.11730	
	Cocachacra	-76.53333	-11.90000	1400
	Cocayalta	-76.90323	-11.67982	
	Cupiche	-76.61330	-11.91518	
	Huamantanga, nr. Canta	-76.61667	-11.45000	3000-4200
	Huaura	-77.60000	-11.06667	65
	Huinco	-76.61374	-11.76942	1850
	La Molina	-76.95000	-12.06667	250
	Lachay, Lomas de	-77.36667	-11.33333	300-900
	Lima	-77.03333	-12.05000	150
	Lurín, Río	-76.90000	-12.25000	50
	Matucana	-76.38550	-11.84576	2400
	Minita, Cerro	-76.95000	-11.75000	
	Ocean cliff	-77.03333	-12.13333	120

Department	Locality	Longitude	Latitude	Altitude
LIMA	Pachacámac	-76.86667	-12.21667	20
	Palle, San José de	-76.65000	-11.86667	1300
	Pativilca	-77.75993	-10.75415	80
	Pueblo Libre	-77.06667	-12.08333	10
	Puruchuco	-76.93333	-12.05000	300
	Quilmaná	-76.38366	-12.95018	500
	Rímac, Río	-77.14264	-12.03073	
	San Bartolomé	-76.53333	-11.91667	1800
	San Mateo	-76.30000	-11.75000	3200
	Santa Eulalia	-76.65000	-11.90000	1050
	Santa Rosa de Quives	-76.78877	-11.66904	1550
	Santiago de Surco	-76.96890	-12.11520	
	Surco, San Jerónimo de	-76.45000	-11.86667	2000
	Tambo (Rímac)			
	Verde, Quebrada	-76.88333	-12.21667	80-480
	Verrugas, Puente	-76.50000	-11.88333	1700
	Vista Alegre	-77.01667	-12.13333	60
LA LIBERTAD	Cartavio	-79.23333	-7.88333	0
	Cascas	-78.81667	-7.48333	1300
	Chan-chan	-79.08333	-8.10000	
	Chepén	-79.45000	-7.21667	130
	Chicama	-79.15000	-7.83333	125
	Choquisongo (=Chuquizonco)	-78.41667	-7.75000	2200
	Chusgón	-77.91667	-7.83333	2300
	Guadalupe, Acequia de	-79.46667	-7.25000	92
	Laredo	-78.95000	-8.10000	90
	Moche	-79.00000	-8.16667	10
	Pacasmayo	-79.56667	-7.41667	20
	Pacasmayo-Cajamarca	-79.33333	-7.25000	
	Paiján	-79.31667	-7.73333	80
	Samne	-78.66667	-7.98333	1500-1600
	San Pedro de Lloc	-79.50000	-7.43333	50
	Simbal	-78.81667	-7.96667	576
	Trujillo	-79.03333	-8.11667	20
LORETO	Amazonas-Napo, Rios	-72.65000	-3.46667	
	Cerro Azul	-74.63333	-7.21667	500
	Contamana	-75.00000	-7.35000	150
	Dos de Mayo	-75.11667	-6.40000	100
	El Encanto			
	Explorama	-72.85000	-3.45000	120
	Huallaga, Río	-75.53333	-5.16667	

Department	Locality	Longitude	Latitude	Altitude
LORETO	Huallaga, Upper Río	-75.53333	-5.16667	
	Iquitos	-73.25000	-3.75000	100
	Itaya, Río	-73.23333	-3.78333	100
	La Chorrera			
	La Sombra			
	Marañón, Río			
	Mishuyacu, Río	-73.30000	-3.78333	120
	Nanay, Río	-73.21667	-3.65000	
	Nauta	-73.58333	-4.50000	100
	Nuevo Requena (R Aguaytía)	-73.83333	-4.96667	100
	Pacaya-Samiria			
	Pebas	-71.85000	-3.31667	
	Peru-Brasil border			
	Putumayo, Río	-70.06667	-2.73333	
	Quistococha	-73.31667	-3.83333	120
	San Antonio	-76.48441	-4.92240	120
	San Roque	-73.33333	-3.80000	100
	Sucusari, Río	-72.90000	-3.26667	
	Sucusari, Río Napo	-72.91776	-3.25696	
	Tapiche, Río	-73.84283	-5.04838	
	Ucayali, Middle Río	-73.45000	-4.50000	
	Ucayali, Río	-73.45000	-4.50000	
	Varillal (Iquitos)	-73.35000	-3.90000	100
	Yanayacu	-76.26667	-5.88333	
	Yurimaguas	-76.10000	-5.90000	150
MADRE DE DIOS	Avispas	-70.35000	-12.98333	350
	Cocha Cashu	-71.41667	-11.88333	350
	Iberia	-69.48907	-11.40988	
	Iberia	-69.48333	-11.41667	200-275
	Infierno	-69.39313	-12.82333	
	La Torre, Río, Boca	-69.28333	-12.83333	250
	Manú	-70.91280	-12.27480	
	Pakitza	-71.28333	-11.95000	400
	Panticolla [lodge]	-71.24100	-12.60100	
	Piedras, Río de las	-69.23333	-12.50000	
	Puerto Maldonado	-69.18333	-12.60000	200
	Tambopata, Río	-69.18333	-12.60000	
PASCO	Huancabamba	-75.55000	-10.38333	600-1600
	Iscozacín	-75.15000	-10.18333	320
	Oxapampa	-75.40000	-10.58333	1800
	Pichis, Río	-74.93333	-9.90000	300
	Pozuzo	-75.53333	-10.11667	8-900

Department	Locality	Longitude	Latitude	Altitude
PASCO	Puerto Bermúdez	-74.93333	-10.30000	3-700
	Victoria, Quebrada (Carhuamayo-Paucartambo)	-76.33333	-10.90000	
	Villa Rica	-75.26667	-10.71667	1500
PIURA	Amotape	-81.01667	-4.88333	20
	Lobitos	-81.28333	-4.45000	30
	Mogollón	-80.91462	-4.92071	
	Morropón	-80.00000	-5.20000	130
	Negritos	-81.30000	-4.65000	10
	Paita	-81.11667	-5.08333	20
	Palo Negro	-80.34400	-4.35230	
	Pariñas, Río	-81.26667	-4.51667	10
	Piura	-80.63333	-5.18333	40
	Sullana	-80.68333	-4.88333	100
	Suyo	-80.00000	-4.50000	400
	Talara	-81.27190	-4.58073	0
	Tambillo	-79.48892	-5.08658	
	Zapayal	-80.71667	-5.85000	
PUNO	Amantani, Isla	-69.71667	-15.66667	3500
	Arapa	-70.11667	-15.13333	3850
	Ayaviri	-70.58810	-14.87780	
	Camacani	-69.86667	-15.93333	3700
	Chimú	-69.96667	-15.85000	3800
	Chucuito	-69.88922	-15.89348	3850
	Chuquibambilla	-70.73333	-14.80000	3900
	Crucero Alto	-70.91667	-15.78333	4100
	La Huerta (nr. Titicaca)	-69.43300	-15.47540	3800
	Puno	-70.03333	-15.83333	3800-4200
	Santo Domingo	-69.79050	-13.71738	
	Sillustani	-70.15690	-15.72200	
	Tirapata	-70.40000	-14.95000	4200
SAN MARTIN	Urcunimuni	-69.94073	-15.53970	
	Achinamisa	-75.85000	-6.41667	150
	Bellavista	-76.58333	-7.06667	300
	Cumbasa, San Antonio de	-76.40000	-6.41667	400
	Juanjuí	-76.73333	-7.18333	300
	La Masa			
	Magdalena, Río	-76.21667	-8.78333	
	Mishollo, Río	-76.66667	-8.00000	SM
	Moyobamba	-76.96667	-6.03333	900
	Rioja	-77.16667	-6.06667	900
	Tarapoto	-76.36667	-6.48333	350
	Tocache	-76.51667	-8.18333	470

Department	Locality	Longitude	Latitude	Altitude
TACNA	Tacna	-70.25000	-18.00000	550
	Tarata	-70.01667	-17.46667	3100
TUMBES	Estero Bendito	-80.30000	-3.45000	
	La Palma	-80.21750	-3.56155	
	Las Virgenes			
	Papayal	-80.25000	-3.56667	50
	Pocitos	-80.24116	-3.50904	
	Puerto Pizarro	-80.40000	-3.50000	0
	Tumbes	-80.46667	-3.56667	10
UCAYALI	Atalaya	-73.76667	-10.73333	250
	B Abad (=Boquerón del Padre Abad)	-75.68061	-9.07082	500
	Cachi, Río			
	La Junta			
	Neshuya	-74.96667	-8.65000	240
	Previsto	-75.63333	-9.05000	420-500
	Pucallpa	-74.53055	-8.37971	180
	San Alejandro	-75.20000	-8.83333	200
	Sinchona, Fundo (Cinchona)	-75.76667	-9.08333	1300-1600
	Urubamba, Río	-73.76667	-10.70000	1000-2800
	Yarinacocha	-74.60000	-8.35000	150
Unplaced	Chacarilla			
	San Jorge			
	San Paulo			
	Palon			

Appendix 2.

Occurrence data (XLS format) for all records of Peruvian aculeate wasps.
File format: Microsoft Excel (1997-2003). doi: [10.3897/zookeys.15.196.app.2.ds](https://doi.org/10.3897/zookeys.15.196.app.2.ds).

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Appendix 3.

Occurrence data (KML format) for all records of Peruvian aculeate wasps. File format: KML (Keyhole Markup Language) version 2.1 for GoogleEarth. doi: [10.3897/zookeys.15.196.app.3.ds](https://doi.org/10.3897/zookeys.15.196.app.3.ds)

Note: The records can be viewed interactively in Google Earth (<http://earth.google.com/>) at a species-by-locality base.

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Appendix 4.

Localities (KML format) reported in the checklist. File format: KML (Keyhole Markup Language) version 2.1 for GoogleEarth. doi: [10.3897/zookeys.15.196.app.4.ds](https://doi.org/10.3897/zookeys.15.196.app.4.ds)

Note: The records can be viewed interactively in Google Earth (<http://earth.google.com/>).

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Citations of the datasets:

Dataset published as Appendix 2:

Citation: Rasmussen C, Asenjo A (2009) Appendix 2. Occurrence data (XLS format) for all records of Peruvian aculeate wasps. DATASET. File format: Microsoft Excel (1997-2003). doi: 10.3897/zookeys.15.196.app.2.ds. ZooKeys 15: 1-78. doi: 10.3897/zookeys.15.196

Dataset published as Appendix 3:

Citation: Rasmussen C, Asenjo A (2009) Appendix 3. Occurrence data (KML format) for all records of Peruvian aculeate wasps. DATASET. File format: KML (Keyhole Markup Language) version 2.1 for GoogleEarth. doi: 10.3897/zookeys.15.196.app.3.ds. ZooKeys 15: 1-78. doi: 10.3897/zookeys.15.196

Dataset published as Appendix 4:

Citation: Rasmussen C, Asenjo A (2009) Appendix 4. Localities (KML format) reported in the checklist. DATASET. File format: KML (Keyhole Markup Language) version 2.1 for GoogleEarth. doi: 10.3897/zookeys.15.196.app.4.ds. ZooKeys 15: 1-78. doi: 10.3897/zookeys.15.196
