

Last updated: 8 April 2025

CLITEMNESTRA

(Transfer from *Clytemnestra* to *Clitemnestra* does not require parentheses for the author: Article 51.3.1)

Clitemnestra Spinola, 1851:341. Type species: *Arpactus gayi* Spinola, 1851, by original designation.

? *Miscothyris* Shuckard, 1840:181. Nomen nudum.

Clytemnestra de Saussure, 1867:75, junior homonym of *Clytemnestra* Dana, 1848 (Crustacea). Emendation of *Clitemnestra* Spinola, 1851.

Miscothyris F. Smith, 1869b:307. Type species: *Miscothyris thoracicus* F. Smith, 1869, by monotypy.

Clytaemnestra Handlirsch, 1895:858. Emendation of *Clitemnestra* Spinola, 1851.

Ochleroptera Holmberg, 1903:487. Type species: *Ochleroptera oblita* Holmberg, 1903, by monotypy.

Paramellinus Rohwer, 1912:469. Type species: *Gorytes bipunctatus* Say, 1824, by original designation.

Astaurus Rayment, 1955:60. Type species: *Astaurus hylaeoides* Rayment, 1955 [= *Arpactus plomleyi* R. Turner, 1940], by original designation. Synonymized with *Clitemnestra* Spinola, 1851 by R. Bohart in R. Bohart and Menke, 1976:51.

Ochleroptera was treated as a valid genus by Bohart and Menke, 1976, and synonymized with *Clitemnestra* by R. Bohart, 2000.

Revisions: Pulawski, 1997 (New Guinean species); R. Bohart, 2000 (Neotropical species); Ohl, 2002b (Australasian species with elongate gastral segment I).

Keys to genus: R. Bohart, 2000:117 (in key to Nearctic Gorytini).

1. *aenea* (Handlirsch)

Gorytes aeneus Handlirsch, 1888b:348, ♀. Holotype: ♀, Brazil: Santa Catarina: Blumenau (NHMW). – Dalla Torre, 1897:536 (in catalog of world Hymenoptera); Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Ochleroptera aenea***: Pate, 1947j:68 (new generic assignment); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae); Dollfuss, 1989:11 (type series in NHMW). – **As *Clitemnestra aenea***: R. Bohart, 2000:126 (new generic assignment, in revision of Neotropical Gorytini); Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

Gorytes parvulus Handlirsch, 1888b:351, ♂. Syntypes: Argentina: Buenos Aires; Brazil: no specific locality (NHMW). Synonymized with *Ochleroptera aenea* by R. Bohart in Bohart and Menke, 1976:490. – Dalla Torre, 1897:549 (in catalog of world Hymenoptera); Schrottky, 1903b:177 (in checklist of Hymenoptera of Argentina, Paraguay, and Uruguay); Brèthes, 1910a:276, footnote (variation); Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*.); Dollfuss, 1989:11 (type series in NHMW). – **As *Clytemnestra parvula***: Schrottky, 1913a:227 (new generic assignment, Argentina: Buenos Aires). – **As *Ochleroptera parvula***: Pate, 1947j:68 (new generic assignment).

Gorytes subtilis Handlirsch, 1895:858, ♂. Holotype: ♂, Venezuela: Caracas (ZMHU). Synonymized with *Ochleroptera aenea* by R. Bohart in Bohart and Menke, 1976:490. – Dalla Torre, 1897:555 (in catalog of world Hymenoptera); Maidl and Klima, 1939:108 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Ochleroptera subtilis***: Pate, 1947j:68 (new generic assignment).

2. *aeroides* R. Bohart

Clitemnestra aeroides R. Bohart, 2000:127, ♀. Holotype: ♀, Ecuador: Pinchín 47 km south of Santo Domingo (USNM). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

3. *albitarsis* R. Bohart

Clitemnestra albitarsis R. Bohart, 2000:127, ♀. Holotype: ♀, Mexico: Morelos: Cuernavaca (USNM). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

4. *antennalis* R. Bohart

Clitemnestra antennalis R. Bohart, 2000:128, ♀, ♂. Holotype: ♀, Chile: Coquimbo: El Pangue (UCD). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

5. *azurea* R. Bohart

Clitemnestra azurea R. Bohart, 2000:128, ♀. Holotype: ♀, Ecuador: Pinchín 16 km south of Santo Domingo (CNC). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

6. *bijaguae* R. Bohart

Clitemnestra bijaguae R. Bohart, 2000:129, ♀. Holotype: ♀, Costa Rica: Alajuela: Bijagua 20 km south of Upala (USU). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

7. *bipunctata* (Say)

Gorytes bipunctatus Say, 1824:338, sex not stated. Holotype or syntypes: USA: Pennsylvania: no specific locality (destroyed). Neotype: ♀, USA: Pennsylvania: Westmoreland County: Jeanette (UCD), designated by R. Bohart, 2000:129. – F. Smith, 1856:367 (in catalog of Hymenoptera in British Museum); Le Conte, 1859a:228 (original description copied); Cresson, 1862:235 (in catalog of North American Hymenoptera); Packard, 1867:432 (listed under *Desiderata* in revision of North American Crabronidae and Nyssonidae); Handlirsch, 1888b:355 (in revision of world Bembicinae); Cameron, 1890a:71 (Mexico: Presidio; Yucatan: Temax); Handlirsch, 1895:862 (reference to Cameron, 1890); W. Fox, 1896a:523 (in revision of North American *Gorytes*); Dalla Torre, 1897:538 (in catalog of world Hymenoptera); Cockerell, 1899a:143 (New Mexico); Snow, 1906:134 (Arizona: Oak Creek 20 mi. southwest of Flagstaff); J. Smith, 1910:680 (in new list of insects of New Jersey); Maidl and Klima, 1939:109 (in catalog of world Astatinae and Bembicinae, in subgenus *Paramellinus*). – *As Lestiphorus bipunctatus*: Dahlbom, 1843:157 (new generic assignment, redescription, in revision of Sphecidae and Pompilidae). – *As Euspongus bipunctatus*: Dahlbom, 1845:480 (new generic assignment, redescription); Cresson, 1887:117 (single species of *Euspongus*), 280 (in catalog of North American Hymenoptera); Ashmead, 1899:300 (in checklist of North American Crabronidae); J. Smith, 1900:521 (in list of insects of New Jersey: Camden County); Mickel, 1918b:352 (in catalog of Nebraskan Sphecidae); Bequaert, 1920:11 (Massachusetts: Forest Hills near Boston). – *As Paramellinus bipunctatus*: Rohwer, 1912:469 (new generic assignment), 1916b:656 (in catalog of Hymenoptera of Connecticut); Britton, 1920:338 (in checklist of insects of Connecticut); Rau, 1922:19 (Missouri: St. Louis; found dead in shallow hole in sand); Rohwer in Viereck, 1925:656 (in key to Sphecidae of Connecticut; East Hartford); Brimley, 1938:446 (North Carolina: Abbeville, Edgecombe County, Highlands, Raleigh); Strandtmann, 1945a:312 (nest and prey). – *As Ammatomus bipunctatus*: J.Ch. Bradley, 1928:1015 (new generic assignment, New York: Albany, Nyack). – *As Ochleroptera bipunctata*: Pate, 1946h:99 (new generic assignment, prey: *Philaenus lineatus* (Linnaeus), a cercopid, 1947j:68 (full bibliography, description); Strickland, 1947:127 (Canada: Alberta: Edmonton, Medicine Hat); Krombein, 1951a:143 (Virginia: Dunn Loring; visiting tulip-tree honeydew); Krombein in Muesebeck, Krombein, and Townes, 1951:986 (in catalog of North American Hymenoptera); Krombein, 1952a:94 (USA: Virginia: Westmoreland State Park), 1954a:6 (West Virginia: Lost River State Park); Evans and Lin, 1956b:47 (description of larva); Krombein, 1958f:193 (in supplement to catalog of North American Hymenoptera: description of larva by Evans and Lin, 1956a reported); Evans, 1959b:153 (additional description of larva); Krombein, 1963f:276 (Maryland: Plummers Island near Washington, D.C.); F. Kurczewski and E. Kurczewski, 1963:147 (Pennsylvania: Presque Isle State Park); Evans, 1966d:75

(nesting habits), 1968:1344 (prey record); Evans, 1970:494 (Wyoming: Jackson Hole); F. Kurczewski and E. Kurczewski, 1971b:335 (prey record); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae); Krombein, 1979b:1691 (in catalog of North American Hymenoptera, nesting sites, list of prey); Finnamore, 1982:214 (in Sphecidae Fauna of southern Quebec); Radović, 1985:65 (sting apparatus analyzed); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Frommer, 1988:94 (California: Riverside County: Deep Canyon); Spofford, Kurczewski, and Downes, 1989:257 (nest parasite: *Phrosinella aurifacies* Downes, a miltogrammine fly), 261 (reference to record on nest parasite: undetermined species of Miltogrammini); Kurczewski and Acciavatti, 1990:61 (New York: Cayuga County); Spofford and Kurczewski, 1990:746 (nest parasite: *Phrosinella aurifacies* Downes, Sarcophagidae), 1992:999 (species of miltogrammine parasites listed); Ahlstrom, 1995:112 (in checklist of insects of North Carolina); Kurczewski, 1998d:250 (pine barrens in upstate New York). – **As *Clitemnestra bipunctata***: Pate, 1937c:18 (new generic assignment, type species of *Clitemnestra*); R. Bohart, 2000:129 (in revision of Neotropical Gorytini); Amarante, 2002:13 (in catalog of Neotropical Crabronidae); Buck, 2004:27 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 66 (first record from Ontario: list of localities); Genaro, 2004a:19 (difference in pores of cocoon between Cuban and North American populations, prey); Cambra, 2005:99 (Panamá); Genaro, 2006:52 (in checklist of Cuban Sphecidae and Crabronidae; other countries: USA, Mexico, El Salvador, Costa Rica, Cuba, Jamaica, Venezuela); Evans and O'Neil, 2007:31 (summary of information on nesting habits); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo); Ratzlaff, 2016:23 (Canada: first record from British Columbia: Georgia Depression, Southern Interior, Southern Interior Mountains), 31 (British Columbia: locality records); Buck and Bennett, 2025:208 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, British Columbia, Ontario, Quebec, first records from Manitoba and Saskatchewan: no specific locality).

Ochleroptera jamaica Pate, 1947h:94, ♂. Holotype: ♂, Jamaica: Blue Mountains: Morce's Gap (ANSP). Synonymized with *Clitemnestra bipunctata* by R. Bohart, 2000:129. – Alayo Dalmau, 1969:7 (in revision of Cuban Nyssoninae, now Bembicinae), 1973:187 (in catalog of Cuban Hymenoptera), 1976:28 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae); de Zayas, 1981:78 (Cuba); Genaro, 1994b:268 (nesting behavior); H. Allen, 1995:15 (type in ANSP); Portuondo and Fernández, 2004:135 (Cuba: Sierra Maestra).

8. *boliviana* R. Bohart

Clitemnestra boliviana R. Bohart, 2000:130, ♀. Holotype: ♀, Bolivia: La Paz: Chulumani (BMNH). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

9. *brasilica* R. Bohart

Clitemnestra brasilica R. Bohart, 2000, ♀, ♂. Holotype: ♀, Brazil: Maranhão: Rosario (UCD). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae); Silvestre, Demétrio, Trad, de Oliveira Lima, Auko, and de Souza, 2014:68 (Brazil: Mato Grosso do Sul: dry forests in Bodoquena Mountain Range and Brazilian Chaco); Trad and Silvestre, 2017:4 (Brazil: Mato Grosso do Sul).

10. *caerulea* R. Bohart

Clitemnestra caerulea R. Bohart, 2000:131, ♂. Holotype: ♂, Ecuador: Napo: Huahua Sumaco km 45 on Hollin-Loreta road (UCD). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

11. *carinata* R. Bohart

Clitemnestra carinata R. Bohart, 2000:132, ♀, ♂. Holotype: ♀, Colombia: Valle: Peñas Blancas (UCD). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

12. *championi* (Cameron)

Gorytes championi Cameron, 1890a:72, sex not stated. Holotype or syntypes: Guatemala: San Gerónimo (BMNH). – Handlirsch, 1895:861 (original description translated into German); Dalla Torre, 1897:539 (in catalog of world Hy-

menoptera, as *championii*); Maidl and Klima, 1939:72 (in catalog of world Astatinae and Bembicinae). – **As *Euspon-gus championi***: Ashmead, 1899:300 (new generic assignment, in checklist of North American Crabronidae). – **As *Ochleroptera championi***: Pate, 1947j:68 (new generic assignment); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae). – **As *Clitemnestra championi***: R. Bohart, 2000:132 (new generic assignment, in revision of Neotropical Gorytini); Amarante, 2002:13 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

13. *chilensis* (de Saussure)

Harpactus chilensis de Saussure, 1867:76, ♀, actually ♂. Holotype or syntypes: ♀, Chile: no specific locality (NHMW). – **As *Gorytes chilensis***: Handlirsch, 1888b:361 (new generic assignment, in revision of world Bembicinae), 1895:862 (additional description); Dalla Torre, 1897:539 (in catalog of world Hymenoptera); Brèthes, 1910b:145 (Chile); Janvier, 1928:135 (nesting habits); Gazulla and Ruiz, 1929:299 (Chile: Hacienda de "Las Mercedes"); Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Gorytes chilensis***: Piek and Spanjer, 1986:184 (in list of Sphecidae with known prey). – **As *Clytemnestra chilensis***: Reed, 1894:637 (new generic assignment, in revision of Scoliidae, Pompilidae, and Sphecidae of Chile). – **As *Clitemnestra chilensis***: Evans, 1966d:73 (new generic assignment, summary of known behavior); R. Bohart and Menke, 1976:489 (in checklist of world Sphecidae); Sielfeld, 1980b:74 (in checklist of Chilean Sphecidae); Steiner, 1986:109 (references to publications on nesting habits); R. Bohart, 2000:132 (in revision of Neotropical Gorytini); Amarante, 2002:13 (in catalog of Neotropical Crabronidae); Chiappa, 2012:9 (Chile: Región de Valparaíso: no specific locality); Nemkov, 2012b:119 (review of known prey).

14. *chilicola* R. Bohart

Clitemnestra chilicola R. Bohart, 2000:133, ♀, ♂. Holotype: ♀. Chile: Nubles: Las Trancas near Recinto in Chillán area (UCD). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

15. *chrysos* R. Bohart

Clitemnestra chrysos R. Bohart, 2000:134, ♀. Holotype: ♀, Costa Rica: Finca Montezuma 3 km southeast of Río Naranjo (USU). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

16. *clypearis* R. Bohart

Clitemnestra clypearis R. Bohart, 2000:134, ♀. Holotype: ♀, Argentina: Tucumán: 2 km south of Tapia (UCD). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

17. *colombica* R. Bohart

Clitemnestra colombica R. Bohart, 2000:135, ♀. Holotype: ♀, Colombia: Valle: Río Zabaletes (KU). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

18. *colorata* (W. Fox)

Gorytes coloratus W. Fox, 1897b:382, ♀. Syntypes: Brazil: Marurú and Santarém (Carnegie Mus.). – Maidl and Klima, 1939:109 (in catalog of world Astatinae and Bembicinae, in subgenus *Paramellinus*) – **As *Ochleroptera colorata***: Pate, 1947j:68 (new generic assignment); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae). – **As *Clitemnestra colorata***: R. Bohart, 2000:135 (new generic assignment, in revision of Neotropical Gorytini); Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

19. *cooperi* R. Bohart

Clitemnestra cooperi R. Bohart, 2000:136, ♀. Holotype: ♀, Colombia: Huila las Cuevas de los Guacheros (BMNH). – Amarante, 2002:13 (in catalog of Neotropical Crabronidae).

20. *costaricae* R. Bohart

Clitemnestra costaricae R. Bohart, 2000:136, ♀, ♂. Holotype: ♀, Costa Rica: Puntarenas: Piedras Blancas 24 km west of Golfo Dulce (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

21. *densa* R. Bohart

Clitemnestra densa R. Bohart, 2000:137, ♀, ♂. Holotype: ♀, Costa Rica: 15 mi west of Turrialba (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Cambra, 2005:100 (Panamá); Buys, 2012b:76 (Brazil: recorded from Rio de Janeiro State by Amarante, 2002).

22. *duboulayi* (R. Turner)

Gorytes duboulayi R. Turner, 1908:496, ♀. Holotype: ♀, Australia: northeastern coast: no specific locality (BMNH). – Maidl and Klima, 1939:106 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Miscothyris duboulayi***: R. Turner, 1915a:68 (new generic assignment, variation, type probably from Nicol Bay). – **As *Clitemnestra duboulayi***: R. Turner, 1912f:58 (new generic assignment); R. Bohart and Menke, 1976:489 (in checklist of world Sphecidae); Cardale, 1985:279 (in catalog of Australian Sphecidae).

23. *ecuadorica* R. Bohart

Clitemnestra ecuadorica R. Bohart, 2000:138, ♀, ♂. Holotype: ♀, Ecuador: Baños: Tungurahua (BMNH). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

24. *egana* R. Bohart

Clitemnestra egana R. Bohart, 2000:139, ♀. Holotype: ♀, Brazil: Amazon: Ega, now Tefé (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

25. *fritzi* R. Bohart

Clitemnestra fritzi R. Bohart, 2000:139, ♀, ♂. Holotype: ♀, Argentina: Jujuy: Tilcara (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

26. *fulva* R. Bohart

Clitemnestra fulva R. Bohart, 2000:140, ♀, ♂. Holotype: ♀, Colombia: Amazonas: Hamacayalu (USNM). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

27. *gayi* (Spinola)

Arpactus gayi Spinola, 1851:340, ♂ (as *Gayi*, incorrect original capitalization). Syntypes: ♂, Chile: no specific locality (M. Spinola collection, Torino). – Casolari and Casolari Moreno, 1980:122 (specimens in M. Spinola collection, Torino); Pagliano, 2014:94 (specimens in M. Spinola collection, Torino, are *Clitemnestra gayi*). – **As *Harpactus gayi***: F. Smith, 1856:372 (new generic assignment, in catalog of Hymenoptera in British Museum). – **As *Gorytes gayi***: Handlirsch, 1888b:357 (new generic assignment, in revision of world Bembicinae); Dalla Torre, 1897:542 (in catalog of world Hymenoptera); Janvier, 1928:141 (nesting habits); Gazulla and Ruiz Pereira, 1929:299 (Chile: Hacienda de "Las Mercedes"); Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*); Piek and Spanjer, 1986:184 (in list of Sphecidae with known prey). – **As *Clytemnestra gayi***: Reed, 1894:637 (new generic assignment, in revision of Scoliidae, Pompilidae, and Sphecidae of Chile). – **As *Clitemnestra gayi***: Evans, 1966d:73 (new generic assignment, summary of known behavior); R. Bohart and Menke, 1976:489 (in checklist of world Sphecidae); Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae); Radović, 1985:65 (sting apparatus analyzed); Steiner, 1986:109 (references to publications on nesting habits); R. Bohart, 2000:140 (in revision of Neotropical Gorytini); Chiappa, 2012:9 (Chile: Región de Valparaíso: no specific locality).

28. gendeka (Pulawski)

Ochleroptera gendeka Pulawski, 1997:257, ♀, ♂. Holotype: ♀, Papua New Guinea: Madang Province: 5 air km northeast of Mundiai Pass at 5°46'S 145°09'E (CAS). – **As *Clitemnestra gendeka***: Ohl, 2002b:276 (new generic assignment, in key to Australasian species with elongate gastral segment I).

29. guttatula (R. Turner)

Arpactus guttatulus R. Turner, 1936:541, ♀. Holotype: ♀, Australia: Western Australia: 10 mi. southwest of Perth (BMNH). – **As *Gorytes guttulatus* [sic]**: Maidl and Klima, 1939:106 (new generic assignment, in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Clytemnestra guttatula***: R. Bohart and Menke, 1976:489 (new generic assignment, in checklist of world Sphecidae); Cardale, 1985:279 (in catalog of Australian Sphecidae).

30. hansonii R. Bohart

Clitemnestra hansonii R. Bohart, 2000:141, ♀. Holotype: ♀, Brazil, Rondonia: 62 km southeast of Ariquemos (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

31. hirta (Handlirsch)

Gorytes hirtus Handlirsch, 1888b:353, ♀. Holotype: ♀, Brazil: no specific locality (NHMW). – Dalla Torre, 1897:542 (in catalog of world Hymenoptera); Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Ochleroptera hirta***: Pate, 1947j:68 (new generic assignment); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae); Dollfuss, 1989:11 (type in NHMW). – **As *Clitemnestra hirta***: R. Bohart, 2000:141 (new generic assignment, in revision of Neotropical Gorytini); Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

32. irwini R. Bohart

Clitemnestra irwini R. Bohart, 2000:142, ♀, ♂. Holotype: ♀, Mexico: Chiapas: Tuxtla Gutierrez (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

33. lissa R. Bohart

Clitemnestra lissa R. Bohart, 2000:142, ♀. Holotype: ♀, Peru: Lima: 10 km north of Chosica (FSCA). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

34. lucidula (R. Turner)

Gorytes lucidulus R. Turner, 1908:498, ♀. Holotype or syntypes: ♀, Australia: Queensland: Mackay (BMNH). – Maidl and Klima, 1939:106 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Clytemnestra lucidula***: R. Turner, 1912f:58 (new generic assignment). – **As *Miscothyris lucidulus***: R. Turner, 1915a:68 (new generic assignment, in key to Australian *Miscothyris*). – **As *Clitemnestra lucidula***: R. Bohart and Menke, 1976:489 (new generic assignment, in checklist of world Sphecidae); Cardale, 1985:279 (in catalog of Australian Sphecidae).

35. megalophthalma (Handlirsch)

Gorytes megalophthalmus Handlirsch, 1895:862, ♂. Holotype: ♂, Australia: no specific locality (ZMHU). – Dalla Torre, 1897:546 (in catalog of world Hymenoptera). – Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Clitemnestra megalophthalma***: R. Bohart and Menke, 1976:489 (new generic assignment, in checklist of world Sphecidae); Cardale, 1985:279 (in catalog of Australian Sphecidae).

36. menkei (Pagliano)

Larissus menkei Pagliano, 1995a:385, ♂. Holotype: ♂, Australia: Northern Territory: Litchfield National Park (originally G. Pagliano coll., Torino, now CAS). – **As *Clitemnestra menkei***: Pulawski, 2012:37 (new generic assignment, review of generic characters).

37. *mimetica* (Cockerell)

Mischocyttarus lucidulus mimeticus Cockerell, 1915:268, ♂. Holotype or syntypes: ♂, Australia: New South Wales: Gilgai (USNM). – Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae). – **As *Clitemnestra mimetica***: R. Bohart and Menke, 1976:489 (new generic assignment, new status, in checklist of world Sphecidae); Cardale, 1985:279 (in catalog of Australian Sphecidae).

38. *multistrigosa* Reed

Clitemnestra multistrigosa Reed, 1894:637, ♀, ♂. Syntypes: Chile: Rancagua (depository?). – R. Bohart and Menke, 1976:489 (in checklist of world Sphecidae). – **As *Gorytes multistrigosus***: Kohl in Dalla Torre, 1897:546 (new generic assignment, in catalog of world Hymenoptera); Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Mischocyttarus*). – **As *Clitemnestra multistrigosa***: Sielfeld, 1980b:75 (new generic assignment, in checklist of Chilean Sphecidae); R. Bohart, 2000:143 (in revision of Neotropical Gorytini); Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Chiappa, 2012:9 (Chile: Región de Valparaíso: no specific locality).

39. *nigrifrons* R. Bohart

Clitemnestra nigrifrons R. Bohart, 2000:143, ♀, ♂. Holotype: ♀, Chile: Quebrada de la Plata, Rinconada, Maipú (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

40. *nigritula* R. Bohart

Clitemnestra nigritula R. Bohart, 2000:144, ♀, ♂. Holotype: ♀, Costa Rica: Puntarenas: San Vito (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

41. *nigroclypeata* (Pulawski)

Ochloptera nigroclypeata Pulawski, 1997:258, ♀, ♂. Holotype: ♀, Papua New Guinea: Morobe Province: northeast of Wau (Bishop Mus.). – **As *Clitemnestra nigroclypeata***: Ohl, 2002b:276 (new generic assignment, in key to Australasian species with elongate gastral segment I).

42. *noumeae* (Ohl)

Ochloptera noumeae Ohl, 2002b:277, ♀. Holotype: ♀, New Caledonia: Monts des Koghis 17 km north-northeast of Nouméa (UCD). – Jennings, Krogmann, and Burwell, 2013:31 (in checklist of Hymenoptera of New Caledonia).

43. *novaguineensis* (R. Bohart)

Ochloptera novaguineensis R. Bohart, 1970b:387, ♂. Holotype: ♂, Papua New Guinea: Morobe: Wau (Bishop Mus.). – R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae); Pulawski, 1997:260 (in revision of New Guinean *Ochloptera*). – **As *Clitemnestra novaguineensis***: Ohl, 2002b:276 (new generic assignment, in key to Australasian species with elongate gastral segment I).

44. *oblita* (Holmberg)

Ochloptera oblita Holmberg, 1903:487, ♀. Syntypes: Argentina: Buenos Aires: Buenos Aires; Entre Ríos: Paraná; Chaco: Formosa (MACN). – Schrottky, 1913a:231 (Argentina); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae); Pate, 1947j:68 (listed) – **As *Clitemnestra oblita***: R. Bohart, 2000:145 (new generic assignment, in revision of Neotropical Gorytini); Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

45. *obscura* (Pulawski)

Ochloptera obscura Pulawski, 1997:261, ♀, ♂. Holotype: ♀, Indonesia: Western Papua (= Indonesian New Guinea): Vogelkopf Peninsula: Sururai southwest of Lake Anggi Giji at 1°24'S 133°55'E (Bishop Mus.). – **As *Clitemnestra obscura***: Ohl, 2002b:276 (new generic assignment, in key to Australasian species with elongate gastral segment I).

46. *ocellaris* R. Bohart

Clitemnestra ocellaris R. Bohart, 2000:145, ♀, ♂. Holotype: ♀, Brazil: Santa Catarina: Nova Teutonia (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

47. *paraguayana* R. Bohart

Clitemnestra paraguayana R. Bohart, 2000:146, ♀. Holotype: ♀, Paraguay: Río Ypane at San Pedro Cororo (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Silvestre, Demétrio, Trad, de Oliveira Lima, Auko, and de Souza, 2014:68 (Brazil: Mato Grosso do Sul: dry forests in Bodoquena Mountain Range and Brazilian Chaco); Trad and Silvestre, 2017:4 (Brazil: Mato Grosso do Sul).

48. *pecki* R. Bohart

Clitemnestra pecki R. Bohart, 2000:146, ♀. Holotype: ♀, Ecuador: Napo: Limoncocha (CNC). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

49. *pedunculata* R. Bohart

Clitemnestra pedunculata R. Bohart, 2000:147, ♀, ♂. Holotype: ♀, Costa Rica: San José: Zurqui (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

50. *perlucida* (R. Turner)

Miscothyris perlucidus R. Turner, 1916e:278, ♀, ♂. Syntypes: Australia: Queensland: Kuranda (BMNH). – **As *Gorytes perlucidus***: Maidl and Klima, 1939:107 (new generic assignment, in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Clitemnestra perlucida***: R. Bohart and Menke, 1976:489 (new generic assignment, in checklist of world Sphecidae); Cardale, 1985:279 (in catalog of Australian Sphecidae).

51. *plomleyi* (R. Turner)

Arpactus plomleyi R. Turner, 1940:105, ♀, ♂. Syntypes: Australia: New South Wales: Barrington Tops (BMNH). – **As *Clitemnestra plomleyi***: Evans and Matthews, 1971b:299 (new generic assignment, nesting behavior); R. Bohart and Menke, 1976:489 (in checklist of world Sphecidae); Cardale, 1985:280 (in catalog of Australian Sphecidae); Evans and O'Neil, 2007:33 (summary of information on nesting habits).

Astaurus hylaeoides Rayment, 1955a:61, ♂. Holotype: ♂, Australia: Victoria: Gorae West (Victoria Mus.). Synonymized with *Clitemnestra plomleyi* by Evans and Matthews, 1971b:299.

52. *puyo* R. Bohart

Clitemnestra puyo R. Bohart, 2000:147, ♀. Holotype: ♀, Brazil: Goiás: Jataí (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

53. *ruficrus* R. Bohart

Clitemnestra ruficrus R. Bohart, 2000:148, ♀, ♂. Holotype: ♀, Argentina: Tucumán: Tafi del Valle (RMNH). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

54. *sanambrosiana* (Pérez D'Angello)

Ochloptera sanambrosiana Pérez D'Angello, 1980:35, ♂. Holotype: ♂, Chile: Isla de San Ambrosio at 26°18'S 79°26'W (V. Pérez D'Angello coll.). – Sielfeld, 1980b:75 (in checklist of Chilean Sphecidae). – **As *Clitemnestra sanambrosiana***: R. Bohart, 2000:148 (new generic assignment, in revision of Neotropical Gorytini); Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

55. *sanguinolenta* (R. Turner)

Gorytes sanguinolentus R. Turner, 1908:497, ♀. Holotype or syntypes: Australia: Queensland: Mackay (BMNH). – Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Clytemnestra sanguinolenta***: R. Turner, 1912f:58 (new generic assignment). – **As *Miscothyris sanguinolentus***: R. Turner, 1915a:68 (new generic assignment, in key to Australian *Miscothyris*). – **As *Clitemnestra sanguinolenta***: R. Bohart and Menke, 1976:489 (new generic assignment, in checklist of world Sphecidae); Cardale, 1985:280 (in catalog of Australian Sphecidae).

56. schlingeri R. Bohart

Clitemnestra schlingeri R. Bohart, 2000:149, ♀. Holotype: ♀, Peru: Tingo Maria in Monzon Valley (CAS). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

57. sensilis R. Bohart

Clitemnestra sensilis R. Bohart, 2000:149, ♀, ♂. Holotype: ♂, Bolivia: Cochabamba (FSCA). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

58. sphaerosoma (Handlirsch)

Gorytes sphaerosoma Handlirsch, 1895:860, ♂. Holotype: ♂, South America: no specific locality (ZMHU). – Dalla Torre, 1897:554 (in catalog of world Hymenoptera); Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Ochleroptera sphaerosoma***: Pate, 1947j:68 (new generic assignment); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae). – **As *Clitemnestra sphaerosoma***: R. Bohart, 2000:150 (new generic assignment, in revision of Neotropical Gorytini); Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

Gorytes tener Handlirsch, 1895:859, ♀. Holotype: ♀, Venezuela: Caracas (RMNH). Synonymized with *Clitemnestra sphaerosoma* by R. Bohart, 2000:150. – Dalla Torre, 1897:555 (in catalog of world Hymenoptera); W. Schulz, 1906:200 (reference to Handlirsch, 1896); Maidl and Klima, 1939:108 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Ochleroptera tenera***: Pate, 1947j:68 (new generic assignment); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae).

Gorytes tener Handlirsch, 1896:107, ♀. Objective synonym of *Gorytes tener* Handlirsch, 1895.

59. strigula R. Bohart

Clitemnestra strigula R. Bohart, 2000:151, ♀, ♂. Holotype: ♀, Colombia: Valle: summit west of Cali (KU). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

60. tenuicornis (Rayment)

Astaurus tenuicornis Rayment, 1955a:62, ♂. Holotype: ♂, Australia: New South Wales: Lane Cove (Victoria Mus.). – **As *Clitemnestra tenuicornis***: Cardale, 1985:280 (new generic assignment, in catalog of Australian Sphecidae).

61. thoracica (F. Smith)

Miscothyris thoracicus F. Smith, 1869b:308, ♂. Holotype or syntypes: ♂, Australia: Western Australia: Champion Bay (BMNH). – Froggatt, 1892:220 (in catalog of Australian Hymenoptera); R. Turner, 1915a:68 (in key to Australian *Miscothyris*). – **As *Gorytes thoracicus***: Handlirsch, 1888b:363 (new generic assignment, in revision of world Bembicinae); Dalla Torre, 1897:555 (in catalog of world Hymenoptera); Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Clitemnestra thoracica***: R. Bohart and Menke, 1976:489 (new generic assignment, in checklist of world Sphecidae); Cardale, 1985:280 (in catalog of Australian Sphecidae).

62. toroi R. Bohart

Clitemnestra toroi R. Bohart, 2000:151, ♀, ♂. Holotype: ♀, Chile: Malleco: Nahuelbuta (Laboratorio de Zoología, Universidad Católica, Valparaíso). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

63. vallensis R. Bohart

Clitemnestra vallensis R. Bohart, 2000:152, ♀, ♂. Holotype: ♀, Trinidad: Saint George: southern slope of El Tucouche (BMNH). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Starr and Hook, 2003:18 (in catalog of Aculeata of Trinidad, West Indies).

64. vardyorum R. Bohart

Clitemnestra vardyorum R. Bohart, 2000:151, ♀, ♂. Holotype: ♀, Peru: Lima: Ocean Cliff (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

65. violacea (Handlirsch)

Gorytes violaceus Handlirsch, 1888b:359, sex not stated. Holotype: sex unknown, Brazil: no specific locality (Staatliche Naturhistorische Sammlungen Dresden). – Dalla Torre, 1897:556 (in catalog of world Hymenoptera); Maidl and Klima, 1939:108 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*). – **As *Ochleroptera violacea***: Pate, 1947j:68 (new generic assignment); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae). – **As *Clitemnestra violacea***: R. Bohart, 2000:153 (new generic assignment, in revision of Neotropical Gorytini, unrecognizable species); Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

66. wasbaueri R. Bohart

Clitemnestra wasbaueri R. Bohart, 2000:153, ♀, ♂. Holotype: ♀, Paraguay: Río Ypane at San Pedro Cororo (USU). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

67. willinki R. Bohart

Clitemnestra willinki R. Bohart, 2000:154, ♀, ♂. Holotype: ♀, Argentina: Tucumán: Horco Molle (UCD). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

68. zeta R. Bohart

Clitemnestra zeta R. Bohart, 2000:154, ♀. Holotype: ♀, Colombia: Caquetá: Yurucayo 73 km southwest of Florencia (BMNH). – Amarante, 2002:14 (in catalog of Neotropical Crabronidae).

sp.

Sielfeld, 1980b:75 (in catalog of Chilean Sphecidae, in *Ochleroptera*); Ch. Porter, 1987:46 (Chile: Tarapacá Region); Amarante, 1993:20 (northeastern Brazil, in *Ochleroptera*); Hanson and Menke, 1995:648 (Costa Rica, in *Ochleroptera*); Vardy, 2017:14 (Argentina, in *Ochleroptera*); López García, Mazzitelli, Fruitos, González, Marcucci, Giusti, Alemanno, del Barrio, Portela, and Debandi, 2019:315 (Argentina: Mendoza: departamento de Tupungato: vineyards in Gualtallary, species near *clypearis*).

SPECIES TRANSFERRED TO AND SUBSEQUENTLY REMOVED FROM *OCHLEROPTERA*

Ochleroptera pygmaea (Brèthes, 1913) = *Pluto*.