



Afrogorytes.docx

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GLENOSTICTIA

Glenostictia Gillaspy in Gillaspy, Evans, and Lin, 1962:563. Type species: *Monedula pulla* Handlirsch, 1890, by original designation.

Revision: R. Bohart and Gillaspy, 1985 (California; with key to world species).

1. *angulata* Gillaspy

Glenostictia angulata Gillaspy in R. Bohart and Gillaspy, 1985:10, ♀, ♂. Holotype: ♂, California: Los Angeles County: Tanbark Flat (UCD). – R. Bohart and Gillaspy, 1985:7 and 8 (in key to *Glenostictia*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

2. *angulifera* R. Bohart

Glenostictia angulifera R. Bohart in R. Bohart and Gillaspy, 1985:11, ♀, ♂. Holotype: ♂, California: San Bernardino County: 2 mi. east of Cajon Junction (UCD). – R. Bohart and Gillaspy, 1985:7 and 8 (in key to *Glenostictia*).

3. *argentata* (C. Fox)

Stictiella argentata C. Fox, 1923b:434, ♂, ♀. Holotype: ♂, Mexico: Baja California: "Angeles Bay, Lower California" (CAS). – J. Parker, 1929:45 (in revision of Stizini and Bembicini); Burks in Muesebeck, Krombein, and Townes, 1951:995 (in catalog of North American Hymenoptera). – **As *Glenostictia argentata***: Alcock, 1975c:339 (new generic assignment, nest structure, prey: Bombyliidae); R. Bohart and Menke, 1976:552 (in checklist of world Sphecidae); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); Krombein, 1979b:1717 (in catalog of North American Hymenoptera, nesting sites, prey); R. Bohart and Gillaspy, 1985:7 and 8 (in key to *Glenostictia*), 12 (in revision of Californian *Glenostictia*); Frommer, 1988:93 (California: Riverside County: Deep Canyon); Amarante, 2002:12 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Evans and O'Neil, 2007:153 (summary of information on nesting habits).

4. *arizonae* R. Bohart

Glenostictia arizonae R. Bohart, 1983:487, ♂, ♀. Holotype: ♂, Arizona: Cochise County: Rucker Canyon in Chiricahua Mountains (UCD). – R. Bohart and Gillaspy, 1985:8 and 9 (in key to *Glenostictia*), 13 (in revision of Californian *Glenostictia*); Amarante, 2002:12 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

5. *bifurcata* (C. Fox)

Stictiella bifurcata C. Fox, 1923b:431, ♂. Holotype: ♂, Mexico: "Lower California: Angel de la Guardia Island: Puerto Refugio" (CAS). – J. Parker, 1929:44 (in revision of Stizini and Bembicini). – **As *Glenostictia bifurcata***: R. Bohart and Menke, 1976:552 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1717 (in catalog of North American Hymenoptera); R. Bohart and Gillaspy, 1985:7 and 9 (in key to *Glenostictia*), 14 (in revision of Californian *Glenostictia*); Frommer, 1988:93 (California: Riverside County: Deep Canyon); Amarante, 2002:12 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo).

Stictiella bifurcata albicera C. Fox, 1923b:432, ♂. Holotype: ♂, Mexico: Sonora: Guaymas (CAS). Synonymized with *Stictiella bifurcata* by J. Parker, 1929:45. – C. Fox, 1926:219 (Mexico: Gulf of California: Revillagigedo Islands, description of ♀).

Stictiella directa C. Fox, 1923b:433, ♂. Holotype: ♂, Mexico: "Lower California: Angeles Bay" (CAS). Synonymized with *Glenostictia bifurcata* by Evans, 1977a:319.

6. *bituberculata* (J. Parker)

Stictiella bituberculata J. Parker, 1917:36, ♀, ♂. Holotype: ♂, USA: California: San Bernardino County: no specific locality (USNM), see Cockerell, 1918:60. – J. Parker, 1929:41 (in revision of Stizini and Bembicini); Burks in Muesebeck, Krombein, and Townes, 1951:995 (in catalog of North American Hymenoptera). – **As *Glenostictia bituberculata***: R. Bohart and Menke, 1976:552 (new generic assignment, in checklist of world Sphecidae); Evans, 1977a:319 (Baja California Sur); Krombein, 1979b:1717 (in catalog of North American Hymenoptera); R. Bohart and Gillasp, 1985:7 and 9 (in key to *Glenostictia*), 15 (in revision of Californian *Glenostictia*); S. Frommer, 1988:93 (California: Riverside County: Deep Canyon); Amarante, 2002:12 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

7. *californica* R. Bohart

Glenostictia californica R. Bohart, 1983:485, ♂, ♀. Holotype: ♂, California: San Bernardino County: 14 mi south of Baker (UCD). – R. Bohart and Gillasp, 1985:7 and 9 (in key to world *Glenostictia*), 15 (in revision of Californian *Glenostictia*).

8. *clypeata* (Gillasp)

Stictiella clypeata Gillasp, 1959:187, ♀, ♂. Holotype: ♂, New Mexico: Dona Ana County: 33 mi. east of Deming (CAS). – **As *Glenostictia clypeata***: Gillasp, Evans, and Ch. Lin, 1962:563 (new generic assignment, prey: *Eristalis latifrons* (Loew), Syrphidae, and Apioceratidae); Hurd and Linsley, 1975:117 (Arizona: Cochise County: Portal; New Mexico: Luna County: Deming; on flowers of *Larrea tridentata* (De Candolle) Coville, Zygophyllaceae); R. Bohart and Menke, 1976:552 (in checklist of world Sphecidae); Krombein, 1979b:1717 (in catalog of North American Hymenoptera, prey); R. Bohart and Gillasp, 1985:7 and 9 (in key to *Glenostictia*), 16 (in revision of Californian *Glenostictia*); Amarante, 2002:12 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Nemkov, 2012b:122 (review of known prey).

As *Stictiella tennicornis* [sic]: Painter, 1936:192 (preying on *Apiocera auger* Osten Sacken, an apioceratid dipteran), corrected to *Glenostictia clypeata* by Krombein, 1979b:1717.

9. *gilva* Gillasp

As *Stictiella exigua*: J. Parker, 1917:50 (Arizona specimens), corrected to *Glenostictia gilva* by Gillasp, 1963b:198.

Glenostictia gilva Gillasp, 1963b:198, ♀, ♂. Holotype: ♂, USA: Arizona: Congress (KU). – Evans, 1966d:188 (nesting habits); Alcock, 1975c:339 (nest structure, prey: Bombyliidae); Hurd and Linsley, 1975:117 (Arizona: Cochise County: Douglas; on flowers of *Larrea tridentata* (De Candolle) Coville, Zygophyllaceae); R. Bohart and Menke, 1976:552 (in checklist of world Sphecidae); Evans, 1977a:319 (Baja California Sur); Krombein, 1979b:1718 (in catalog of North American Hymenoptera, nesting sites, prey); R. Bohart and Gillasp, 1985:7 and 8 (in key to *Glenostictia*), 17 (in revision of Californian *Glenostictia*); Frommer, 1988:93 (California: Riverside County: Deep Canyon); Amarante, 2002:12 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Evans and O'Neil, 2007:152 (summary of information on nesting habits); Nemkov, 2012b:122 (review of known prey).

ssp. albescens R. Bohart

Glenostictia gilva albescens R. Bohart in R. Bohart and Gillasp, 1985:17, ♂, ♀. Holotype: ♂, USA: California: Inyo County: Big Pine (UCD).

10. *megacera* (J. Parker)

Stictiella megacera J. Parker, 1917:49, ♀, ♂. Holotype: USA: Colorado: Archuleta County: Arboles (originally Brooklyn Mus., now USNM). – Cockerell, 1918:60 (allotype locality record); C. Fox, 1923b:433 (Mexico: Sonora: Tepoca Bay); J. Parker, 1929:44 (in revision of Stizini and Bembicini); Burks in Muesebeck, Krombein, and Townes, 1951:996 (in catalog of North American Hymenoptera); Horning and Barr, 1970:105 (USA: Idaho: Craters of the Moon National Monument). – **As *Glenostictia megacera***: R. Bohart and Menke, 1976:552 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1718 (in catalog of North American Hymenoptera); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); R. Bohart and Gillasp, 1985:6 and 9 (in key to *Glenostictia*), 18 (in revision of Californian *Glenostictia*); Amarante, 2002:12 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

11. *mexicana* R. Bohart

Glenostictia mexicana R. Bohart, 1983:489, ♂. Holotype: ♂, Mexico: Jalisco: Tequila (AMNH). – R. Bohart and Gillasp, 1985:8 (in key to *Glenostictia*); Amarante, 2002:12 (in catalog of Neotropical Crabronidae).

12. *nigriloba* R. Bohart

Glenostictia nigriloba R. Bohart, 1983:490, ♂, ♀. Holotype: ♂, USA: Arizona: Cochise County: Dos Cabezas (UCD). – R. Bohart and Gillasp, 1985:8 and 9 (in key to *Glenostictia*); Amarante, 2002:12 (in catalog of Neotropical Crabronidae).

13. *parva* R. Bohart

Glenostictia parva R. Bohart, 1983:486, ♀, ♂. Holotype: ♂, USA: Arizona: Cochise County: Big D Hill east of Douglas (UCD). – R. Bohart and Gillasp, 1985:7 and 9 (in key to *Glenostictia*); Amarante, 2002:12 (in catalog of Neotropical Crabronidae).

14. *pictifrons* (F. Smith)

Monedula pictifrons F. Smith, 1856:335, ♀. Holotype or syntypes: ♀, USA: North Carolina: no specific locality (BMNH). – Cresson, 1863:316 (in catalog of North American Hymenoptera), 1873:222 (Texas), 1887:278 (in catalog of North American Hymenoptera); Handlirsch, 1890:147 (in revision of world Bembicinae); C. Robertson, 1894:467 (visiting flowers of *Rudbeckia hirta* Linnaeus, Asteraceae), 469 (visiting flowers of *Lepachys pinnata* Torr. and Gray, Asteraceae), 472 (visiting flowers of *Verbesina helianthoides* Michx., Asteraceae); W. Fox, 1895d:368 (in revision of North American Bembicini); Dalla Torre, 1897:499 (in catalog of world Sphecidae); Ashmead, 1899d:240 (in checklist of North American Crabronidae); H. Smith, 1908b:384 (in revision of Nebraskan Sphecidae). – **As *Bembidula pictifrons***: Hartman, 1905:37 (new generic assignment, nesting behavior). – **As *Stictia pictifrons***: Snow, 1906:134 (new generic assignment, Arizona: Oak Creek 20 mi. southwest of Flagstaff, Tucson); Johnson and Rohwer, 1908:380 (Colorado: Livermore). – **As *Stictiella pictifrons***: J. Parker, 1917:25 (new generic assignment, in revision of Bembicini in America north of Mexico), 1929:39 (in revision of Stizini and Bembicini); Mickel, 1917:285 (USA: Nebraska), 1918b:437 (in catalog of Nebraskan Sphecidae); M. Smith, 1920:81 (in revision of Bembicini of North Carolina); Brimley, 1938:449 (North Carolina: Raleigh and westward); Lohrmann, 1948:457 (in review of *Stictiella*); Burks in Muesebeck, Krombein, and Townes, 1951:996 (in catalog of North American Hymenoptera); Dreisbach, 1951:104, 105 (in key to *Stictiella* of Michigan); Evans and Linsley, 1960:32 (Arizona: casual member of sleeping aggregation at Southwest Research Station). – **As *Glenostictia pictifrons***: Gillasp, Evans, and Lin, 1962:563 (new generic assignment, prey: *Villa* sp. of *lateralis* Say species group, a bombyliid); Chandler, 1966:143 (may occur in Indiana); Alcock, 1975c:339 (hunting behavior); R. Bohart and Menke, 1976:552 (in checklist of world Sphecidae); Kumar, Lavigne, Lloyd, and Pfadt, 1976:51 (USA: Colorado: Pawnee National Grassland); Krombein, 1979b:1718 (in catalog of North American Hymenoptera, prey); R. Bohart and Gillasp, 1985:8 and 9 (in key to *Glenostictia*); Radović, 1985:66 (sting appa-

ratus analyzed); O'Brien, 1989:103 (first record from Michigan); 1990:227 (additional Michigan records); Frommer, 1988:93 (California: Riverside County: Deep Canyon); Alexander, Minckley, and Yanega, 1993:108 (nesting habits); Ahlstrom, 1995:113 (in checklist of insects of North Carolina); Evans and O'Neil, 2007:152 (summary of information on nesting habits); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Ontario: no specific locality).

Monedula inermis Handlirsch, 1890:144, ♂. Holotype: ♂, USA: Missouri: no specific locality (NHMW). Synonymized with *Stictiella pictifrons* by W. Fox, 1895d:368. – Dalla Torre, 1897:498 (in catalog of world Sphecidae).

Monedula denverensis Cameron, 1908c:235, ♀. Holotype or syntypes: ♀, USA: Colorado: Denver (BMNH). Synonymized with *Monedula pictifrons* by R. Turner in J. Parker, 1917:25.

15. *pulla* (Handlirsch)

Monedula pulla Handlirsch, 1890:149, ♀. Holotype: ♀, USA, California: no specific locality (Hamburg Mus., destroyed in World War II). Neotype: ♀, California: Monterey County: Arroyo Seco Camp (UCD), designated by R. Bohart and Gillaspay, 1985:19. – W. Fox, 1895d:372 (in revision of North American Bembicini); Dalla Torre, 1897:499 (in catalog of world Sphecidae); Ashmead, 1899d:240 (in checklist of North American Crabronidae). – **As *Stictiella pulla***: J. Parker, 1917:52 (new generic assignment, in revision of Bembicini in America north of Mexico), 1929:45 (in revision of Stizini and Bembicini); La Rivers, 1942:4 (nest, prey, nest parasite); Burks in Muesebeck, Krombein, and Townes, 1951:996 (in catalog of North American Hymenoptera); Evans and Lin, 1956b:52 (description of larva); Evans, 1958e:452 (behavioral evolution); Krombein, 1958f:195 (in supplement to catalog of North American Hymenoptera: description of larva by Evans and Lin, 1956b, reported). – **As *Glenostictia pulla***: Gillaspay, Evans, and Lin, 1962:564 (new generic assignment, nesting habits); Evans, 1966d:186 (nesting habits); R. Bohart and Menke, 1976:552 (in checklist of world Sphecidae); Krombein, 1979b:1718 (in catalog of North American Hymenoptera, nesting sites, list of prey); R. Bohart and Gillaspay, 1985:7 and 8 (in key to *Glenostictia*), 19 (in revision of Californian *Glenostictia*); S. Frommer, 1988:93 (California: Riverside County: Deep Canyon); Spofford, Kurczewski, and Downes, 1989:261 (reference to publication on nest parasite: undetermined miltogrammine species); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Ratzlaff, 2016:24 (Canada: British Columbia: Southern Interior), 31 (British Columbia: Osoyoos); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).

Monedula usitata W. Fox, 1895d:371, ♀, ♂. Lectotype: ♂, USA: Nevada: no specific locality (ANSP), designated by Cresson, 1928:46. Synonymized with *Stictiella plana* by J. Parker, 1917:32 and with *Stictiella pulla* by Burks in Muesebeck, Krombein, and Townes, 1951:996. – Ashmead, 1899d:240 (in checklist of North American Crabronidae, as *usetata*); J. Parker, 1929:52 (as synonym of *Stictiella plana*).

16. *satan* Gillaspay

Glenostictia satan Gillaspay, 1983:279, ♀, ♂. Holotype: ♂, USA: New Mexico: Hidalgo County: 3 mi. north of Rodeo (UCD). – R. Bohart and Gillaspay, 1985:7 and 9 (in key to *Glenostictia*); Longair, Cane, and Elliott, 1987:264 (mating behavior); Evans and O'Neil, 2007:151 (summary of information on mating habits).

17. *scitula* (W. Fox)

Monedula scitula W. Fox, 1895d:369, ♀. Lectotype: ♀, USA: Arizona: Tucson (USNM), designated by R. Bohart in R. Bohart and Gillaspay, 1985:20. – Ashmead, 1899d:240 (in checklist of North American Crabronidae). – **As *Stictiella scitula***: J. Parker, 1917:46 (new generic assignment, in revision of Bembicini in America north of Mexico); C. Fox, 1923b:433 (Mexico: Sonora: Guaymas, Island of Tiburon, Tepoca Bay); J. Parker, 1929:43 (in revision of Stizini and Bembicini); Burks in Muesebeck, Krombein, and Townes, 1951:996 (in catalog of North American Hymenoptera). – **As *Glenostictia scitula***: Gillaspay, Evans, and Lin, 1962:564 (new generic assignment, nesting habits); Evans, 1964b:262 (description of larva), 1966d:189 (nesting habits); Hurd and Linsley, 1975:117 (Arizona: Cochise County: Portal, and Pima County: 18 mi. west of Tucson; on flowers of *Larrea tridentata* (De Can-

dolle) Coville, Zygophyllaceae); R. Bohart and Menke, 1976:552 (in checklist of world Sphecidae); Krombein, 1979b:1718 (in catalog of North American Hymenoptera, nesting sites, list of prey); R. Bohart and Gillasp, 1985: 6 and 8 (in key to *Glenostictia*), 20 (in revision of Californian *Glenostictia*); Piek and Spanjer, 1986:184 (in list of Sphecidae with known prey); Steiner, 1986:112 (references to publications on nesting habits); Spofford, Kurczewski, and Downes, 1989:260 (reference to publication on nest parasite *Senotainia* sp., a miltogrammine fly); Evans, 2002a:4 (preying mainly on Diptera, but regularly using non-Diptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

Monedula villosa W. Fox, 1895d:370, ♂. Holotype: ♂: Mexico: Baja California: " Lower Purisima, Lower California" (ANSP). Synonymized with *Stictiella scitula* by J. Parker, 1929:43. – Ashmead, 1899d:240 (in checklist of North American Crabronidae); C. Fox, 1923b:431 (Mexico: Sonora: Guaymas); Cresson, 1928:46 (holotype in ANSP). – **As *Stictiella villosa***: J. Parker, 1917:45 (new generic assignment, in revision of Bembicini in America north of Mexico); C. Fox, 1923:431 (Mexico: Sonora: Guaymas).

As *Monedula mamillata*: W. Fox, 1893d:10 (Mexico: Baja California), corrected to *Monedula villosa* by W. Fox, 1895d:370.

18. *tenuicornis* (W. Fox)

Monedula tenuicornis W. Fox, 1895d:368, ♀, ♂. Lectotype: ♀, USA: California: San Bernardino County: no specific locality (USNM), designated by Gillasp, 1959:191. – Ashmead, 1899d:240 (in checklist of North American Crabronidae). – **As *Stictiella tenuicornis***: J. Parker, 1917:47 (new generic assignment, in revision of Bembicini in America north of Mexico), 1929:43 (in revision of Stizini and Bembicini); nec Painter, 1936:192 (= *Glenostictia clypeata*); Burks in Muesebeck, Krombein, and Townes, 1951:996 (in catalog of North American Hymenoptera); Gillasp, 1959:191 (redescription). – **As *Glenostictia tenuicornis***: R. Bohart and Menke, 1976:552 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1718 (in catalog of North American Hymenoptera); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); R. Bohart and Gillasp, 1985:7 and 9 (in key to *Glenostictia*), 21 (in revision of Californian *Glenostictia*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

19. *terlinguae* (C. Fox)

Stictiella terlinguae C. Fox, 1928:103, ♂, ♀. Holotype: ♂, USA: Texas: Terlingua (CAS). – J. Parker, 1929:44 (in revision of Stizini and Bembicini); Lohrmann, 1948:457 (in review of *Stictiella*); Burks in Muesebeck, Krombein, and Townes, 1951:996 (in catalog of North American Hymenoptera). – **As *Glenostictia terlinguae***: R. Bohart and Menke, 1976:552 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1718 (in catalog of North American Hymenoptera); R. Bohart and Gillasp, 1985:7 and 9 (in key to *Glenostictia*).

20. *vechti* R. Bohart

Glenostictia vechti R. Bohart, 1983:491, ♀, ♂. Holotype: ♂, USA: Arizona: Cochise County: 4 mi. south of Apache (UCD). – R. Bohart and Gillasp, 1985:8 and 10 (in key to *Glenostictia*); Amarante, 2002:12 (in catalog of Neotropical Crabronidae).

21. *veracruzae* R. Bohart

Glenostictia veracruzae R. Bohart, 1983:492, ♂, ♀. Holotype: ♂, Mexico: Veracruz: 15 mi. northeast of Tinajas (UCD). – R. Bohart and Gillasp, 1985:8 and 9 (in key to *Glenostictia*); Amarante, 2002:12 (in catalog of Neotropical Crabronidae).

sp.

Kingsley, Bailowitz, and R. Smith, 1987:19 (Arizona: Organ Pipe Cactus National Monument: Quitobaquito Springs area); Maes, 1989:96 (in catalog of Nicaraguan Sphecidae).