

Last updated: 26 April 2025

CLYPEADON

Clypeadon Patton, 1897a:13. Type species: *Aphilanthops quadrinotatus* Ashmead, 1890 [= *Philanthus laticinctus* Cresson, 1865], by original designation and monotypy.

Listropygia R. Bohart, 1959:106 (as subgenus of *Aphilanthops*). Type species: *Aphilanthops bechteli* R. Bohart, 1959, by original designation and monotypy. Synonymized with *Clypeadon* by Alexander, 1992a:92.

Revision: R. Bohart and Grissell, 1975 (California species).

Key: R. Bohart and Grissell, 1975 (North America).

1. *bechteli* (R. Bohart)

Aphilanthops bechteli R. Bohart, 1959:106, ♂, ♀. Holotype: ♂, USA: California: San Diego County: Borrego Valley (CAS). – Evans, 1962b:253 (prey: a worker of *Pogonomyrmex californicus* (Buckley)); Krombein in Krombein and Burks, 1967:414 (two previous records reported). – **As *Listropygia bechteli***: R. Bohart, 1966b:167 (new combination, in revision of *Clypeadon*); R. Bohart and Grissell, 1975:26 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:389 (in checklist of world Sphecidae); Krombein, 1979b:1728 (in catalog of North American Hymenoptera). – **As *Clypeadon bechteli***: Alexander, 1992a:92 (new combination).

2. *californicus* (R. Bohart)

Aphilanthops californica R. Bohart, 1959:108, ♀, ♂. Holotype: ♂, USA: California: Davis (CAS). – Krombein in Krombein and Burks, 1967:414 (species description recorded). – **As *Clypeadon californicus***: R. Bohart, 1966b:163 (new combination, in revision of *Clypeadon*); R. Bohart and Grissell, 1975:23 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:571 (in checklist of world Sphecidae); Krombein, 1979b:1727 (in catalog of North American Hymenoptera).

3. *dreisbachi* (R. Bohart)

Aphilanthops dreisbachi R. Bohart, 1959:107, ♂, ♀. Holotype: ♂, USA: Texas: Davis Mountains (CAS). – Evans, 1962:249 (prey: *Pogonomyrmex barbatus rugosus* Emery); Krombein in Krombein and Burks, 1967:414 (two previous records reported). – **As *Clypeadon dreisbachi***: R. Bohart, 1966b:163 (new combination, in revision of *Clypeadon*; Mexico, USA: Colorado, Oklahoma, Texas); R. Bohart and Grissell, 1975:23 (in key to North American *Clypeadon*); R. Bohart and Menke, 1976:571 (in checklist of world Sphecidae); Evans, 1977c:144 (preying on *Pogonomyrmex rugosus* Emery); Krombein, 1979b:1727 (in catalog of North American Hymenoptera); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Amarante, 2005a:12 (correction to his 2002 catalog).

4. *evansi* R. Bohart

Aphilanthops species A: Evans, 1962:248 (nest, prey, parasite), corrected to *Clypeadon evansi* by R. Bohart, 1966:163.

Clypeadon species A: Evans, 1964:274 (description of larva), corrected to *Clypeadon evansi* by R. Bohart, 1966:163.

Clypeadon evansi R. Bohart, 1966b:163, ♂, ♀. Holotype: ♂, USA: New Mexico: Rodeo (CAS). – Alcock and Gamboa, 1975b:162 (nesting habits); R. Bohart and Grissell, 1975:24 (in revision of Philanthinae of California); Hurd and Linsley, 1975:117 (New Mexico: Hidalgo County: Lordsburg and Luna County: Deming; on flowers of *Larrea tridentata* (De Candolle) Coville, Zygophyllaceae); R. Bohart and Menke, 1976:571 (in checklist of world Sphecidae); Krombein, 1979b:1727 (in catalog of North American Hymenoptera, nesting sites, list of parasites and prey); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); Piek and Spanjer, 1986:183y (in list of Sphecidae with known prey); Steiner, 1986:113 (references to publications on nesting habits); Spofford, Kurczewski, and Downes, 1989:258 (summary of records for nest parasite *Senotainia trilineata* (Wulp), a miltogrammine fly).

5. *haigi* (R. Bohart)

Aphilanthops haigi R. Bohart, 1959:106, ♀, ♂. Holotype: ♂, USA: Arizona: Sonoita (CAS). – Evans, 1962b:245 (nest, prey transport, parasite); R. Bohart, 1966b:165 (in revision of *Clypeadon*); Krombein in Krombein and Burks, 1967:414 (species description and paper by Evans, 1962, reported); Evans, 1963a:145 (prey specialization). – **As *Clypeadon haigi***: Evans, 1963c:206 (prey carrying mechanism); R. Bohart and Grissell, 1975:24 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:571 (in checklist of world Sphecidae); Krombein, 1979b:1727 (in catalog of North American Hymenoptera); Ohl and Linde, 2003:151 (number of ovarioles); Kaltenpoth et al, 2006:1405 (streptomycetes bacteria absent in female antennal glands).

6. *laticinctus* (Cresson)

Philanthus laticinctus Cresson, 1865c:91, ♂. Lectotype: ♂, USA: Colorado: no specific locality (ANSP), designated by Cresson, 1916:100. – Packard, 1866:54 (in key to North American *Philanthus*), 56 (bibliographic reference, geographic distribution); Cresson, 1887:281 (in catalog of North American Hymenoptera); Kohl, 1891:368 (in checklist of world *Philanthus*); Dalla Torre, 1897:488 (in catalog of world Hymenoptera). – **As *Aphilanthops laticinctus***: Ashmead, 1890:32 (new combination, in checklist of Hymenoptera of Colorado); Dunning, 1898:22 (in revision of *Aphilanthops*); Ashmead, 1899d:296 (in checklist of North American Crabronidae); Cockerell, 1899a:141 (New Mexico); Viereck and Cockerell, 1904b:142 (in revision of *Aphilanthops* of New Mexico); H. Smith, 1908b:360 (in revision of Nebraskan Sphecidae); Mickel, 1918:391 (in catalog of Nebraskan Sphecidae); Burks in Muesebeck, Krombein, and Townes, 1951:1003 (in catalog of North American Hymenoptera); Evans, 1962b:250 (nesting behavior), 1963a:145 (prey specialization), plate (photograph of female with prey); Krombein in Krombein and Burks, 1967:414 (papers by Evans, 1962, 1964, reported). – **As *Clypeadon laticinctus***: Evans, 1963c: fig. 15 after p. 134 (new combination, photograph of female entering nest with ant prey attached to her gaster), 1964b:274 (description of larva); R. Bohart, 1966b:165 (in revision of *Clypeadon*); R. Bohart and Grissell, 1975:25 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:571 (in checklist of world Sphecidae); Evans, 1977c:144 (preying on *Pogonomyrmex occidentalis* Cresson); Krombein, 1979b:1728 (in catalog of North American Hymenoptera, nesting sites, list of parasites and prey); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); Alexander, 1985:1139 (interactions with prey, *Pogonomyrmex occidentalis* Cresson); Radović, 1985:66 (sting apparatus analyzed); Alexander, 1986:59 (nest provisioning); Piek and Spanjer, 1986:183 (in list of Sphecidae with known prey, as *latynctus*); Wcislo, 1987:519 (facultative parasitic behavior within otherwise free living species); Spofford, Kurczewski, and Downes, 1989:258, 259 (summary of previous records for nest parasites *Senotainia trilineata* (Wulp) and *Senotainia* sp. near *trilineata* (Wulp), miltogrammine flies); Stubblefield and Seger, 1894:82, 83 (description and illustration of prey carrying, from Evans and West Eberhardt, 1970); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); Kaltenpoth et al, 2006:1405 (streptomycetes bacteria absent from female antennal glands); Ratzlaff, 2016:28 (Canada: British Columbia: from R. Bohart and Grissell, 1975); Buck and Bennett, 2025:220 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).

Aphilanthops quadrinotatus Ashmead, 1890:7, ♀. Holotype: ♀, USA: Colorado: no specific locality (USNM). Synonymized with *Clypeadon laticinctus* by R. Bohart, 1966b:165. – Ashmead, 1890:32 (in checklist of Hymenoptera of Colorado); Dunning, 1896:205 (Colorado, Montana; variation), 1898:24 (revision); Ashmead, 1899d:296 (in checklist of North American Crabronidae); Cockerell, 1899a:141 (New Mexico); Viereck and Cockerell, 1904b:142 (in revision of *Aphilanthops* of New Mexico); Snow, 1906:135 (Arizona: Flagstaff); H. Smith, 1908b:360 (in revision of Nebraskan Sphecidae); Mickel, 1918b:390 (in catalog of Nebraskan Sphecidae); Hicks, 1927:51 (nest, prey transport, cocoon), 1933c:141 (nest, prey); Burks in Muesebeck, Krombein, and Townes, 1951:1003 (in catalog of North American Hymenoptera). – **As *Philanthus quadrinotatus***: Dalla Torre, 1897:490 (new combination, in catalog of world Hymenoptera).

7. *sculleni* (R. Bohart)

Aphilanthops sculleni R. Bohart, 1959:107, ♀, ♂. Holotype: ♂, USA, Arizona, Willcox (CAS). – Evans, 1962b:250 (prey: a worker of *Pogonomyrmex maricopa barnesi* M.R. Smith). – **As *Clypeadon sculleni***: R. Bohart, 1966:165 (new combination, in revision of *Clypeadon*); Krombein in Krombein and Burks, 1967:414 (species description reported); R. Bohart and Grissell, 1975:23 (in key to North American *Clypeadon*); R. Bohart and Menke, 1976:571 (in checklist of world Sphecidae); Krombein, 1979b:1728 (in catalog of North American Hymenoptera); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae); Ohl and Linde, 2003:151 (number of ovarioles).

8. *taurus* (Cockerell)

Aphilanthops taurus Cockerell, 1895a:293, ♂. Lectotype: ♂, USA: New Mexico: Las Cruces (ANSP), designated by Cresson, 1928:50. – Dunning, 1896:205 (variation), 1898:23 (in revision of *Aphilanthops*, description of ♀); Ashmead, 1899d:296 (in checklist of North American Crabronidae); Cockerell, 1899a:141 (New Mexico); Viereck and Cockerell, 1904b:141 (in revision of *Aphilanthops* of New Mexico); Snow, 1906:135 (Arizona); Ainslie, 1909:99 (preying on *Pogonomyrmex barbatus rugosus* Emery); Bequaert, 1922:284 (Ainslie's observation reported); Evans, 1962b:250 (discussion of Ainslie, 1909). – **As *Philanthus taurus***: Dalla Torre, 1897:491 (new combination, in catalog of world Hymenoptera). – **As *Clypeadon taurus***: R. Bohart, 1966:166 (new combination, in revision of *Clypeadon*); Alcock, 1975e:5386 (male mating strategies); R. Bohart and Grissell, 1975:23 (in key to North American *Clypeadon*); R. Bohart and Menke, 1976:571 (in checklist of world Sphecidae); Krombein, 1979b:1728 (in catalog of North American Hymenoptera, prey); Ohl and Linde, 2003:151 (number of ovarioles); Dollfuss, 2017b:1246 (locality records from Arizona: Santa Cruz County: Florida Wash).

Aphilanthops phoenix Pate, 1947g:66, ♀. Holotype: ♀, USA: Arizona: Phoenix (ANSP). Synonymized with *Clypeadon taurus* by R. Bohart, 1966b:166. – Burks in Muesebeck, Krombein, and Townes, 1951:1003 (in catalog of North American Hymenoptera); H. Allen, 1995:15 (type in ANSP).

9. *utahensis* (Baker)

Aphilanthops utahensis Baker, 1895:335, ♂. Holotype: ♂, USA: southwestern Utah: no specific locality (USNM). – Dunning, 1898:25 (in revision of *Aphilanthops*); Ashmead, 1899d:296 (in checklist of North American Crabronidae); Burks in Muesebeck, Krombein, and Townes, 1951:1003 (in catalog of North American Hymenoptera). – **As *Clypeadon utahensis***: R. Bohart, 1966b:166 (new combination, in revision of *Clypeadon*); R. Bohart and Grissell, 1975:25 (in revision of Philanthinae of California); R. Bohart and Menke, 1976:571 (in checklist of world Sphecidae); Evans, 1977c:144 (preying on *Pogonomyrmex californicus* (Buckley)); Krombein, 1979b:1728 (in catalog of North American Hymenoptera); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Amarante, 2002:57 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:668 (in checklist of Mexican Sphecidae).

Aphilanthops concinnulus Cockerell, 1896:221, ♀, ♂. Lectotype: ♂, USA, New Mexico: Rincon (USNM), designated by R. Bohart, 1966b:166. Synonymized with *Clypeadon utahensis* by R. Bohart, 1966b:166. – Dunning, 1898:25 (in revision of *Aphilanthops*); Cockerell, 1899a:141 (New Mexico); Viereck and Cockerell, 1904b:141 (in revision of *Aphilanthops* of New Mexico); Burks in Muesebeck, Krombein, and Townes, 1951:1004 (in catalog of North American Hymenoptera); Evans, 1962:250 (prey: a worker of *Pogonomyrmex barbatus* (F. Smith), as *concinnula*); Krombein in Krombein and Burks, 1967:414 (prey: worker of *Pogonomyrmex barbatus* (F. Smith)). – **As *Clypeadon concinnulus***: Ashmead, 1899d:296 (new combination, in checklist of North American Crabronidae).

sp.

Evans, 1964b:274 (larva); Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); Al-Houty, 1989:158 (Kuwait, obviously in error).

NOMEN NUDUM IN CLYPEADON

anglesius Ashmead: Ashmead, 1899d:296 (in checklist of North American Crabronidae).