

Last updated: 21 April 2025

PISONOPSIS

Pisonopsis W. Fox, 1893e:553. Type species: *Pisonopsis clypeata* W. Fox, 1893, by monotypy.

Key: Menke, 1988:93.

1. areolata (Spinola)

Pison areolatum Spinola, 1851a:327, ♀ (as *areolatus*, incorrect original termination). Holotype: ♀, Chile: no specific locality (Torino). – F. Smith, 1856:317 (in catalog of Hymenoptera in British Museum), 1869a:291 (in checklist of *Pison*). – **As *Pison areolatum***: Kohl, 1885a:186 (in checklist of world *Pison*); Reed, 1894:633 (in revision of Chilean aculeates); Dalla Torre, 1897:710 (in catalog of world Hymenoptera); Jaffuel and Piri6n, 1926:376 (Chile: valle de Marga Marga); Janvier, 1928:89 (nesting habits); Gazulla and Ruiz Pereira, 1929:300 (Chile: Hacienda de "Las Mercedes"; as *aerolatum*); Piek and Spanjer, 1986:187 (in list of Sphecidae with known prey, as *areolata*); Chiappa, 2012:8 (Chile: Regi6n de Valpara6so: no specific locality, also listed as *Pisonopsis areolata*). – **As *Pisonopsis areolata***: R. Bohart and Menke, 1976:332 (new combination, in checklist of world Sphecidae); Sielfeld, 1980b:73 (in checklist of Chilean Sphecidae); Steiner, 1986:104 (references to publications on nesting habits); Menke, 1988:93 (in key to *Pisonopsis*); Amarante, 2002:47 (in catalog of Neotropical Crabronidae); Chiappa, 2012:8 (Chile: Regi6n de Valpara6so: no specific locality).

Pison variicornis Reed, 1894:634, ♀, ♂. Syntypes: Chile: no specific locality (depository?). Synonymized with *Pisonopsis areolata* by Menke, 1968a:7. – Dalla Torre, 1897:713 (in catalog of world Hymenoptera).

? *Pisonopsis anomala* Mantero, 1902:202, ♂. Holotype: ♂, Argentina: Patagonia: R6o Santa Cruz (MSNG). Tentatively synonymized with *Pisonopsis areolata* by Menke, 1968a:7. – Holmberg, 1903:474 (in checklist of Argentinean Hymenoptera); Schrottky, 1913a:230 (in Argentina known from Santa Cruz).

2. australis Fritz

Pisonopsis australis Fritz, 1965:53, ♀, ♂. Holotype: ♀, Argentina (originally M. Fritz coll., now MACN). – R. Bohart and Menke, 1976:332 (in checklist of world Sphecidae); Menke, 1988:93 (in key to *Pisonopsis*); Fritz, 1993:16 (holotype in M. Fritz coll.); Amarante, 2002:47 (in catalog of Neotropical Crabronidae).

3. birkmanni Rohwer

Pisonopsis birkmanni Rohwer, 1909a:129, ♀. Holotype or syntypes: ♀, USA: Texas: Lee County: no specific locality (USNM). – Krombein in Muesebeck, Krombein, and Townes, 1951:941 (in catalog of North American Hymenoptera); F. Williams, 1954b:244 (in revision of North American *Pisonopsis*); Krombein, 1958f:186 (in supplement to catalog of North American Hymenoptera); Evans, 1959b:157 (description of larva); F. Parker and R. Bohart, 1966a:94 (California: Blythe, Davis; Nevada: Mustang, Verdi; nest parasite: *Ceratochrysis antyga* Bohart, a chrysidid), 1968:3 (California: six localities; Nevada: Geiger Grade, Reno Hot Springs; Arizona: Portal; New Mexico: Las Cruces; nest parasite: *Photopsis* sp., a mutillid); R. Bohart and Menke, 1976:332 (in checklist of world Sphecidae); Krombein, 1979b:1640 (in catalog of North American Hymenoptera); Rust, Menke, and Miller, 1985:47 (California: Channel Islands); Menke, 1988:93 (in key to *Pisonopsis*); Hanson and Menke, 1995:639 (known from Costa Rica); Amarante, 2002:47 (in catalog of Neotropical Crabronidae); Ru6iz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:664 (in checklist of Mexican Sphecidae); Pitts and Mansley, 2004:16 (nest parasite: *Lomachaeta hicksi* Mickel, a mutillid); Ratzlaff, 2016:26 (first record from Canada: British Columbia: Southern In-

terior); 35 (British Columbia: Oliver); Buck and Bennett, 2025:217 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).

4. *clypeata* W. Fox

Pisonopsis clypeata W. Fox, 1893e:553, ♀, ♂. Lectotype: ♀, USA: Nevada: no specific locality (ANSP), designated by Cresson 1928:44. – W. Fox, 1894a:469 (in revision of North American Larrinae); Dalla Torre, 1897:713 (in catalog of world Hymenoptera); Ashmead, 1899d:251 (in checklist of North American Crabronidae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:941 (in catalog of North American Hymenoptera); F. Williams, 1954b:240 (in revision of North American *Pisonopsis*); Krombein, 1958f:186 (in supplement to catalog of North American Hymenoptera, as *clypeata clypeata*); F. Parker and R. Bohart, 1968:3 (Nevada: Wadsworth, Stillwater; parasite: undetermined Sarcophagidae); Evans, 1969a:118 (nesting habits), 1970:489 (Wyoming: Jackson Hole, nesting habits, as *clypeata clypeata*); R. Bohart and Menke, 1976:332 (in checklist of world Sphecidae); Krombein, 1979b:1641 (in catalog of North American Hymenoptera); Menke, 1988:93 (in key to *Pisonopsis*); Radović, 1985:65 (sting apparatus analyzed); Frohlich, Clark, Parker, and T. Griswold, 1988:268 (Oregon: Malheur County: Leslie Gulch); Ratzlaff, 2016:26 (first record from Canada: British Columbia: Southern Interior), 35 (British Columbia: Penticon); Buck and Bennett, 2025:217 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia, first record from Alberta: no specific locality).

Pisonopsis clypeata occidentalis F. Williams, 1954b:242, ♀, ♂. Holotype: ♀, USA: California: Marin County: San Rafael (CAS). Synonymized with *Pisonopsis clypeata* by Menke, 1988:93. – Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera); R. Bohart and Menke, 1976:332 (in checklist of world Sphecidae); Krombein, 1979b:1641 (in catalog of North American Hymenoptera).

5. *triangularis* Ashmead

Pisonopsis triangularis Ashmead, 1899a:9, ♀. Holotype: ♀, USA: Colorado: no specific locality (USNM). – Ashmead, 1899d:251 (in checklist of North American Crabronidae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:941 (in catalog of North American Hymenoptera); F. Williams, 1954b:245 (in revision of North American *Pisonopsis*); Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera, as *triangularis triangularis*); Evans, 1970:489 (Wyoming: Jackson Hole); R. Bohart and Menke, 1976:332 (in checklist of world Sphecidae, Colorado to California); Krombein, 1979b:1641 (in catalog of North American Hymenoptera); Menke, 1988:93 (in key to *Pisonopsis*); Buck and Bennett, 2025:217 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: Alberta and Saskatchewan: no specific locality).

Pisonopsis triangularis californica F. Williams, 1954:245, ♀, ♂. Holotype: ♀, USA: California: Lake County: Summit Lake (CAS). Synonymized with *Pisonopsis triangularis* by Menke, 1988:93. – Krombein, 1958f:187 (in supplement to catalog of North American Hymenoptera); R. Bohart and Menke, 1976:332 (in checklist of world Sphecidae); Krombein, 1979b:1641 (in catalog of North American Hymenoptera).

sp.

Rust, Hanks, and Bechtel, 1983:406 (Nevada: Churchill County: Sand Mountain); Vanoye-Eligio, Meléndez-Ramírez, Ayala-Barajas, Delfin-González, and Horta-Vega, 2019:7 (Mexico: Yucatán).

SPECIES DESCRIBED IN *PISONOPSIS* AND TRANSFERRED TO *WILLINKIELLA*

argentina Schrottky, 1909 = *Willinkiella*