

Last updated: 21 April 2025

PLUTO

Psenia Malloch, 1933:44. Type species: *Mimesa tibialis* Cresson, 1873, by original designation. Junior homonym of *Psenia* Stephens, 1829.

Pluto Pate, 1937c:51. Substitute name for *Psenia* Malloch, 1933.

Revision: van Lith, 1979b.

1. abbreviatus van Lith

Pluto abbreviatus van Lith, 1979b:182, ♀, ♂. Holotype: ♀, Mexico: Baja California Sur: 10 km northwest of La Paz (CAS). – Amarante, 2002:55 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

2. aerofacies (Malloch)

Psenia aerofacies Malloch, 1933:49, ♀, ♂. Holotype: ♀, USA: Texas: Rosser (USNM). – **As *Pluto aerofacies*:** Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:183 (in revision of New World *Pluto*; North Carolina to Belize); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro, and Delfín-González, 2014:638 (Mexico: Yucatán Peninsula); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro-Alberto, and Delfín-González, 2015:994 (Mexico: in list of Sphecidae *sensu lato* of Yucatán).

3. albifacies (Malloch)

Psenia albifacies Malloch, 1933:50, ♀. Holotype: ♀, USA: Iowa: Sioux City (USNM). – **As *Pluto albifacies*:** Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); Krombein, 1967:396 (Texas); Evans, 1959b:140 (description of larva), 1968:1344 (prey); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:187 (in revision of New World *Pluto*); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 46 (Mexico: Tamaulipas).

4. alphetopus van Lith

Pluto alphetopus van Lith, 1979b:195, ♀, ♂. Holotype: ♀, Mexico: Guerrero: 20 mi W Acapulco (KU). – Amarante, 2002:55 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

5. angulicornis (Malloch)

Psenia angulicornis Malloch, 1933:58, ♂, ♀. Holotype: ♂, USA: Texas: Plano (USNM). – **As *Pluto angulicornis*:** Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:157 (in revision of New World *Pluto*; Iowa, Louisiana, New Mexico, Texas).

6. annulipes (Cameron)

Psen annulipes Cameron, 1891a:139, ♀. Syntypes: ♀, Mexico: Guerrero: Amula, Chilpancingo, Rincon; Tabasco: Teapa (BMNH). – Dalla Torre, 1897:347 (in catalog of world Hymenoptera); Kohl, 1897:292 (member of *annulipes* species group); Ashmead, 1899d:225 (in checklist of North American Crabronidae); Viereck, 1901b:342 (in

checklist of North American Psenini). – **As *Pluto annulipes***: R. Bohart in Bohart and Menke, 1976:171 (new combination, in checklist of world Sphecidae); van Lith, 1979b:224 (in revision of New World *Pluto*; Costa Rica, El Salvador, Mexico); Hanson and Menke, 1995:638 (known from Costa Rica); Melo, 2000:105 (use of one nest by more than one female); Amarante, 2002:55 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Ruíz Cancino, Coronado Blanco, and Horta Vega, 2005:170 (Mexico: recorded from Tamaulipas State).

7. *araguensis* van Lith

Pluto araguensis van Lith, 1979b:221, ♀, ♂. Holotype: ♀, Venezuela: Aragua: 2 km N Ocumare de la Costa (USNM). – Amarante, 2002:55 (in catalog of Neotropical Crabronidae).

8. *arenivagus* Krombein

As *Psenia angulicollis* var.: Malloch, 1933:48 and 58 (♀, Georgia), corrected to *Pluto arenivagus* by Krombein, 1950a:268.

Pluto arenivagus Krombein, 1950a:268, ♀, ♂. Holotype: ♂, USA: North Carolina: Dare County: Kill Devil Hills (USNM). – Wray, 1950:38 (North Carolina: Kill Devil Hills, Nags Head); Krombein in Muesebeck et al., 1951:962 (in catalog of North American Hymenoptera); Krombein, 1953a:331 (North Carolina), 1953b:132 (North Carolina: Kill Devil Hills), 1954:233 (Florida); Krombein and Evans, 1954:233 (Florida); Krombein, 1958f:189 (in supplement to catalog of North American Hymenoptera: Florida); Wray, 1967:124 (North Carolina: Kill Devil Hills); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); L. Davis, 1978:217 (North Carolina: Kill Devil Hills, data from Krombein, 1953a); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:190 (in revision of New World *Pluto*; as *arenivagus arenivagus*; Florida, Georgia, North Carolina); Radović, 1985:64 (sting apparatus analyzed); Ahlstrom, 1995:108 (in checklist of insects of North Carolina); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae; also: Florida, Georgia, North Carolina).

ssp. cubanus van Lith

Pluto arenivagus cubanus van Lith, 1979b:192, ♀. Holotype: ♀, Cuba: Pinar del Río: Mantua (UCD). – Amarante, 2002:55 (in catalog of Neotropical Crabronidae).

9. *argentifrons* (Cresson)

Psen argentifrons Cresson, 1865a:152, ♀, ♂. Syntypes: Cuba: no specific locality (IZAC). – W. Fox, 1891d:342 (Jamaica); Dalla Torre, 1897:347 (in catalog of world Hymenoptera); W. Fox, 1898:12 (in revision of North American *Psen*); Ashmead, 1900:305 (in checklist of Caribbean Hymenoptera); Holland, 1917:294 (Cuba: Isla de Pinos, now Isla de la Juventud: Nueva Gerona); Cresson, 1916:102 (type material in Gundlach collection). – **As *Pluto argentifrons***: Pate, 1946d:6 (new combination, redescription, Cuba); Alayo Dalmau, 1973:181 (in catalog of Cuban Hymenoptera), 1976:25 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); van Lith, 1979b:192 (in revision of New World *Pluto*; Cuba, Jamaica, Mexico: Chiapas, Yucatan; Nicaragua); de Zayas, 1981:77 (Cuba, illustration of habitus); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Portuondo and Fernández, 2004:135 (Cuba: Sierra Maestra and Nipe-Sagua-Baracoa mountains); Genaro, 2006:58 (in checklist of Cuban Sphecidae and Crabronidae; also: Jamaica, Mexico, Nicaragua); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro, and Delfín-González, 2014:638 (Mexico: Yucatán Peninsula); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro-Alberto, and Delfín-González, 2015:994 (Mexico: in list of Sphecidae *sensu lato* of Yucatán).

As *Psenia atricornis* (♀ only): Malloch, 1933:57 (Cuba), corrected to *Pluto argentifrons* by van Lith, 1979b:193.

10. *atricornis* (Malloch)

Psenia atricornis Malloch, 1933:57, ♀, ♂ (♀ = *Pluto argentifrons*). Holotype: ♂, Puerto Rico: Aguadilla (USNM). – **As *Pluto atricornis***: Pate, 1946d:9 (new combination, Cuba); Alayo Dalmau, 1976:25 (in checklist of Cuban Sphe-

cidae); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); van Lith, 1979b:194 (in revision of New World *Pluto*; Dominican Republic, Haiti, Puerto Rico, Virgin Islands, Leeward Islands); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Perez-Gelabert, 2008:241 (in list of arthropods of island of Hispaniola).

11. *basifuscus* van Lith

Pluto basifuscus van Lith, 1979b:160, ♂, ♀. Holotype: ♂, USA: Texas: 10 mi. W Fort Davis (CNC). Paratypes: Arizona, California, New Mexico; Mexico. – Sarazin, 1986:307 (holotype in CNC); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

12. *biformis* van Lith

Pluto biformis van Lith, 1979b:169, ♂. Holotype: ♂, Mexico: Durango: 6 mi E Durango (CNC). – Sarazin, 1986:307 (holotype in CNC); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

13. *brevipetiolatus* (Rohwer)

Psenulus brevipetiolatus Rohwer, 1910c:100, ♀. Holotype: ♀, USA: California: Los Angeles County: no specific locality (USNM). – As *Psenia brevipetiolata*: Malloch, 1933:54 (new combination, in revision of North American *Psenini*). – As *Pluto brevipetiolatus*: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:164 (in revision of New World *Pluto*).

14. *castaneipes* van Lith

Pluto castaneipes van Lith, 1979b:197, ♂. Holotype: ♂, USA: New Mexico: Rodeo (FSCA). Paratypes: Texas.

15. *clavicornis* (Malloch)

Psenia clavicornis Malloch, 1933:50, ♂. Holotype: ♂, USA: Arizona: no specific locality (USNM). – As *Pluto clavicornis*: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:206 (in revision of New World *Pluto*); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

16. *colonensis* van Lith

Pluto colonensis van Lith, 1979b:198, ♀. Holotype: ♀, Argentina: Entre Ríos: Dt. Colón: Zelich (originally M. Fritz coll., now MACN). – Fritz, 1993:16 (holotype in M. Fritz coll.); Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

17. *denticollis* van Lith

Pluto denticollis van Lith, 1979b:229, ♀. Holotype: ♀, Peru: no specific locality (NHMW). – Dollfuss, 1989:11 (holotype in NHMW); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:13 (in checklist of Crabronidae of Peru).

18. *depressus* van Lith

Pluto depressus van Lith, 1979b:181, ♂. Holotype: ♂, Mexico: Sinaloa: Villa Unión (MCZ). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

19. *duckei* van Lith

Pluto duckei van Lith, 1979b:212, ♀. Holotype: ♀, Brazil: Pará (NHMW). – Dollfuss, 1989:11 (holotype in NHMW); Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

20. *emarginatus* van Lith

Pluto emarginatus van Lith, 1979b:185, ♀. Holotype: ♀, Mexico: Morelos: 6 mi S Temixco (UCD). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

21. *evansi* van Lith

Pluto evansi van Lith, 1979b:184, ♀, ♂. Holotype: ♀, Mexico: Sonora: 10 mi SE Alamos (UCD). Paratypes: Mexico: Morelos, Sinaloa. – Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

22. *facialis* van Lith

Pluto facialis van Lith, 1979b:234, ♀, ♂. Holotype: ♀, Colombia: Meta: Río Duba (BMNH). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

23. *fritzi* van Lith

Pluto fritzi van Lith, 1979b:199, ♀, ♂. Holotype: ♂, Ecuador: Chone (originally M. Fritz coll., now MACN). – Fritz, 1993:16 (holotype in M. Fritz coll.); Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

24. *incarinatus* van Lith

Pluto incarinatus van Lith, 1979b:222, ♂. Holotype: ♂, Venezuela: Aragua: 2 km N Ocumare de la Costa (USNM). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

25. *joergenseni* (Brèthes)

Psen joergenseni Brèthes, 1913:120, ♂ (as *Jörgenseni*, incorrect original capitalization and diacritic mark). Holotype: ♂, Argentina: La Paz (MACN). – Genise, 1990:27 (type material in MACN). – **As *Pseneo joergenseni***: R. Bohart in Bohart and Menke, 1976:235 (new combination, in checklist of world Sphecidae); Amarante, 2002:55 (in catalog of Neotropical Crabronidae). – **As *Pluto joergenseni***: van Lith, 1979b:235 (new combination, in revision of New World *Pluto*; Argentina, Bolivia, Brazil, Paraguay); Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

26. *jugularis* van Lith

Pluto jugularis van Lith, 1979b:178, ♀. Holotype: ♀, Brazil: Mato Grosso: Corumbá (CU). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

27. *littoralis* (Malloch)

Psenia littoralis Malloch, 1933:56, ♀, ♂. Holotype: ♂, USA: Maryland: Chesapeake Beach (USNM). – Brimley, 1938:445 (North Carolina: Raleigh). – **As *Pluto littoralis***: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); Krombein and Evans, 1954:233 (Florida); Krombein, 1958f:189 (in supplement to catalog of North American Hymenoptera: Florida); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); L. Davis, 1978:217 (North Carolina: Carteret County); Grissell, 1979:269 (nesting habits); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:171 (in revision of New World *Pluto*; Florida, South Carolina, North Carolina); Ahlstrom, 1995:108 (in checklist of insects of North Carolina).

28. *longiventris* (Malloch)

Psenia longiventris Malloch, 1933:52, ♀, ♂. Holotype: ♂, USA: Arizona: Higley (USNM). – **As *Pluto longiventris***: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:154 (in revision of New World *Pluto*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

29. *marthae* van Lith

Pluto marthae van Lith, 1979b:208, ♀, ♂. Holotype: ♀, Peru: Loreto: Pucallpa, Lake Yarina Cocha (BMNH). Paratypes: Bolivia, Brazil, Colombia, Ecuador – Dollfuss, 1989:11 (paratype in NHMW); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:13 (in checklist of Crabronidae of Peru).

30. *medius* (F. Smith)

Psen medius F. Smith, 1856:435, ♂. Holotype or syntypes: ♂, Brazil: Pará: Santarem (BMNH). – Dalla Tore, 1897:348 (in catalog of world Hymenoptera). – **As *Pluto medius***: R. Bohart in Bohart and Menke, 1976:171 (new combination); van Lith, 1979b:200 (in revision of New World *Pluto*, description of ♀, as *medius medius*; Argentina, Bolivia, Brazil, Surinam); Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

spp. zuliensis van Lith

Pluto medius zuliensis van Lith, 1979b:202, ♀, ♂. Holotype: ♀, Venezuela: Zulia: Carasquero (USNM). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Klein, 2025:130 (Leeward Antilles: Bonaire Island).

31. *menkei* van Lith

Pluto menkei van Lith, 1979b:216, ♀. Holotype: ♀, Venezuela: Aragua: 2 km N Ocumare de la Costa (USNM). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

32. *metanus* van Lith

Pluto metanus van Lith, 1979b:210, ♀, ♂. Holotype: ♀, Colombia: Meta: Río Duda (BMNH). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

33. *minutus* (Malloch)

Psenia minuta Malloch, 1933:59, ♀. Holotype: ♀, USA: Texas: San Diego (USNM). – **As *Pluto minutus***: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:162 (in revision of New World *Pluto*).

34. *nitens* van Lith

Pluto nitens van Lith, 1979b:210, ♀, ♂. Holotype: ♀, Brazil: Goiás (AEI). Paratypes: Argentina, Bolivia, Colombia, Ecuador, Paraguay, Peru, Surinam, Venezuela. – Dollfuss, 1989:11 (paratype in NHMW); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:13 (in checklist of Crabronidae of Peru); 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, 2017:5 (Brazil: Mato Grosso do Sul).

35. *obscurus* van Lith

Pluto obscurus van Lith, 1979b:214, ♀. Holotype: ♀, Argentina: Misiones: Puerto. Esperanza (originally M. Fritz coll., now MACN). – Fritz, 1993:16 (holotype in M. Fritz coll.); Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

36. *occipitalis* van Lith

Pluto occipitalis van Lith, 1979b:217, ♀. Holotype: ♀, Peru, Loreto: San Antonio (USNM). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:13 (in checklist of Crabronidae of Peru).

37. *pallidistigma* (Malloch)

Psenia pallidistigma Malloch, 1933:52, ♀, ♂. Holotype: ♂, USA: Arizona: Mount Superstition near Higley (USNM). – **As *Pluto pallidistigma***: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:158 (in revision of New World *Pluto*; Arizona, California, Texas).

38. *punctatellus* van Lith

Pluto punctatellus van Lith, 1979b:179, ♀, ♂. Holotype: ♀, El Salvador: Quezaltepeque (UCD). Paratypes: Costa Rica, Guatemala, Mexico. – Hanson and Menke, 1995:638 (known from Costa Rica); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro, and Delfín-González, 2014:638 (Mexico: Yucatán Peninsula); Vanoye-Eligio, Meléndez-Ramírez, Ayala, Navarro-Alberto, and Delfín-González, 2015:994 (Mexico: in list of Sphecidae *sensu lato* of Yucatán).

39. *pygmaeus* (Brèthes)

Gorytes pygmaeus Brèthes: Jörgensen, 1912:291, nomen nudum (Argentina: Mendoza Province).

Gorytes pygmaeus Brèthes, 1913:130, ♀. Holotype: ♀, Argentina: Mendoza: no specific locality (MACN). – Maidl and Klima, 1939:107 (in catalog of world Astatinae and Bembicinae, in subgenus *Miscothyris*); Genise, 1990:26 (type material in MACN). – *As Ochleroptera pygmaea*: Pate, 1947j:68 (new combination); R. Bohart and Menke, 1976:490 (in checklist of world Sphecidae). – *As Pluto pygmaeus*: van Lith, 1979b:230 (new combination, in revision of New World *Pluto*; as *pygmaeus pygmaeus*; Argentina, Bolivia, Peru); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:13 (in checklist of Crabronidae of Peru, as *pygmaeus pygmaeus*).

ssp. axillaris van Lith

Pluto pygmaeus axillaris van Lith, 1979b:233, ♀, ♂. Holotype: ♀, Colombia: Meta: Macarena (BMNH). Paratypes: Bolivia, Brazil, Guyana, Surinam; Amarante, 2002:56 (in catalog of Neotropical Crabronidae). – *As Pluto axillaris*: Silvestre, Demétrio, Trad, de Oliveira Lima, Auko, and de Souza, 2014:68 (new status; Brazil: Mato Grosso do Sul: dry forests in Bodoquena Mountain Range and Brazilian Chaco); Trad and Silvestre, 2017:5 (Brazil: Mato Grosso do Sul).

40. *rotundus* van Lith

Pluto rotundus van Lith, 1979b:165, ♀. Holotype: ♀, USA: Florida: Lake Placid (USNM).

41. *rufanalis* van Lith

Pluto rufanalis van Lith, 1979b:220, ♀, ♂. Holotype: ♀, Peru: Chancay River valley (CAS). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:13 (in checklist of Crabronidae of Peru).

42. *rufibasis* (Malloch)

Psenia rufibasis Malloch, 1933:53, ♀, ♂. Holotype: ♀, USA: Georgia: Jekyll Island (USNM). – *As Pluto rufibasis*: Krombein *in* Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); Krombein, 1964c:18 (nesting site a vertical cliff); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae), van Lith., 1976a:154 (redescription); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:186 (in revision of New World *Pluto*; Florida to Louisiana to Maryland).

Psenia marginata Malloch, 1933:54, ♀, ♂. Holotype: ♀, USA: Louisiana: no specific locality (USNM). Synonymized with *Pluto rufibasis* by van Lith, 1976:154. – Brimley, 1938:445 (North Carolina: Raleigh). – *As Pluto marginatus*: Krombein *in* Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); Ahlstrom, 1995:108 (in checklist of insects of North Carolina).

43. *rugulosus* van Lith

Pluto rugulosus van Lith, 1979b:197, ♂. Holotype: ♂, USA: Texas: Big Bend National Park (AEI).

44. *sayi* (Rohwer)

As Mimesa pauper: Cresson, 1873:227 (Texas), corrected to *Psenulus sayi* by Rohwer, 1910b:100.

Psenulus sayi Rohwer, 1910c:100, ♀. Holotype: ♀, USA: Kansas: Pottawatomie County: Onaga (USNM). – **As *Psenia sayi***: Malloch, 1933:55 (new combination, in revision of North American Psenini, description of ♀). – **As *Pluto sayi***: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); Krombein, 1967:396 (California); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:173 (in revision of New World *Pluto*; southern USA north to Kansas, Missouri, Tennessee, and Virginia; Mexico, Nicaragua, Cuba); Ahlstrom, 1995:108 (in checklist of insects of North Carolina); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Deyrup and Eisner, 2003:521 (a Floridian, red-marked species).

45. *scytinus* van Lith

Pluto scytinus van Lith, 1979b:203, ♀. Holotype: ♀, Venezuela: Zulia: Rosario (USNM). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

46. *simplicicollis* van Lith

Pluto simplicicollis van Lith, 1979b:215, ♀. Holotype: ♀, Brazil: São Paulo: Campinas (Bishop Mus.). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

47. *smithii* (W. Fox)

Psen smithii W. Fox, 1897b:378, ♂ (as *Smithii*, incorrect original capitalization). Holotype: ♂, Brazil: Mato Grosso: Chapada do Guimaraes (Carnegie Mus.). – **As *Pluto smithii***: R. Bohart in Bohart and Menke, 1976:171 (new combination, in checklist of world Sphecidae); van Lith, 1979b:226 (in revision of New World *Pluto*; Argentina, Bolivia, Brazil, Colombia, Panama, Paraguay, Surinam, Venezuela, Trinidad); Callan, 1990b:19 (in checklist of Trinidad Sphecidae); Amarante, 1993:19 (ne. Brazil); Cambra and Santos, 2000:53 (Panama: Parque Nacional Coiba in Isla de Coiba, Pacific Ocean); Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

48. *spangleri* van Lith

Pluto spangleri van Lith, 1979b:162, ♀, ♂. Holotype: ♀, Mexico: Oaxaca: Tehuantepec (USNM). Paratypes: Guatemala; Mexico; USA: Arizona, Texas. – Frommer, 1988:95 (California: Riverside County: Deep Canyon); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 46 (Mexico: Tamaulipas); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:383 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo).

49. *spinicollis* van Lith

Pluto spinicollis van Lith, 1979b:217, ♀. Holotype: ♀, Brazil: Roraima: Surumú (AEI). Paratype: Panama. – Amarante, 2002:56 (in catalog of Neotropical Crabronidae, as *spinicollis*), 2005a:12 (correction to his 2002 catalog).

50. *stenopygidialis* van Lith

Pluto stenopygidialis van Lith, 1979b:176, ♀. Holotype: ♀, USA: Arizona: near Roosevelt Lake (AEI).

51. *stramineipes* van Lith

Pluto stramineipes van Lith, 1979b:204, ♀, ♂. Holotype: ♀, Brazil: Santa Catarina: Nova Teutonia (CU). Paratypes: Argentina, Bolivia. – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

52. *strigellus* van Lith

Pluto strigellus van Lith, 1979b:205, ♀. Holotype: ♀, Argentina: Santa Fé: Alberdi near Rosario (ZSBS). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

53. *suffusus* (W. Fox)

Psen suffusus W. Fox, 1898a:18, ♀. Lectotype: ♀, USA: New Mexico: Las Cruces or Rincon (ANSP), designated by Cresson, 1928:51. – Ashmead, 1899d:225 (in checklist of North American Crabronidae). – *As Neofoxia suffusus*: Viereck, 1901b:342 (new combination, in checklist of North American Psenini). – *As Neofoxia suffusa*: H. Smith, 1908b:388 (in revision of Nebraskan Sphecidae); Johnson and Ledig, 1918:24 (California: Claremont). – *As Diodontus suffusa*: Mickel, 1918b:359 (new combination, in catalog of Nebraskan Sphecidae). – *As Psenia suffusa*: Malloch, 1933:51 (new combination, in revision of North American Psenini). – *As Pluto suffusus*: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:166 (in revision of New World *Pluto*; USA: Florida to Baja California); Frommer, 1988:95 (California: Riverside County: Deep Canyon); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 46 (Mexico: Tamaulipas); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:383 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo).

54. *texanus* (Malloch)

Psenia texana Malloch, 1933:56, ♀, ♂. Holotype: ♀, USA: Texas: Brownsville (USNM). – *As Pluto texanus*: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:170 (in revision of New World *Pluto*).

55. *tibialis* (Cresson)

Mimesa tibialis Cresson, 1873:227, ♀, ♂. Lectotype: ♀, USA: Texas: Bosque County: no specific locality (ANSP), designated by Cresson, 1916:102. – Cresson, 1887:283 (in catalog of North American Hymenoptera); Dalla Torre, 1897:355 (in catalog of world Hymenoptera); Ashmead, 1899:225 (listed); Bridwell, 1899:209 (Kansas: no specific locality). – *As Psen tibialis*: W. Fox, 1898a:18 (new combination, in revision of North American *Psen*; District of Columbia); Ashmead, 1899d:225 (in checklist of North American Crabronidae); Viereck, 1903d:120 (Maryland: College Park). – *As Neofoxia tibialis*: Viereck, 1901b:342 (new combination, in checklist of North American Psenini). – *As Diodontus tibialis*: Mickel, 1918b:358 (new combination, in catalog of Nebraskan Sphecidae). – *As Psenia tibialis*: Malloch, 1933:49 (new combination, in revision of North American Psenini); Brimley, 1938:445 (North Carolina: Raleigh). – *As Pluto tibialis*: Krombein in Muesebeck et al., 1951:962 (new combination, in catalog of North American Hymenoptera); Krombein, 1967:171 (Alabama, South Carolina); R. Bohart and Menke, 1976:171 (in checklist of world Sphecidae); Krombein, 1979b:1599 (in catalog of North American Hymenoptera); van Lith, 1979b:188 (in revision of New World *Pluto*; Florida to Virginia to Texas); Ahlstrom, 1995:108 (in checklist of insects of North Carolina).

56. *townsendi* (Cockerell)

Psenulus townsendi Cockerell, 1911:272, ♀, ♂ (as *Townsendi*, incorrect original capitalization). Holotype: ♂, Peru: Piura (USNM). – *As Pluto townsendi*: R. Bohart in Bohart and Menke, 1976:171 (new combination, in checklist of world Sphecidae); van Lith, 1979b:207 (in revision of New World *Pluto*); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:13 (in checklist of Crabronidae of Peru).

57. *trilobatus* van Lith

Pluto trilobatus van Lith, 1979b:218, ♀, ♂. Holotype: ♀, Ecuador: Napo Province: Limoncocha on Río Napo (CNC). Paratypes: Peru, Surinam. – Sarazin, 1986:308 (holotype in CNC); Amarante, 2002:56 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:13 (in checklist of Crabronidae of Peru).

58. *zonatus* van Lith

Pluto zonatus van Lith, 1979b:215, ♀. Holotype: ♀, Brazil, São Paulo (UCD). – Amarante, 2002:56 (in catalog of Neotropical Crabronidae).

sp.

van Lith, 1979b:220 (Peru, *Pluto* sp. aff. *trilobatus*); Alayo Dalmau, 1973:181 (in catalog of Cuban Hymenoptera), 1976:25 (in checklist of Cuban Sphecidae); Cambra, 1993:16 (Peru: Pakitza, 11°57'S, 71°17'W); Fernández, Garcés, Portuondo, Valdés and Expósito, 2001:1022 (collected on weed flowers in Botanical Garden of Santiago de Cuba); Fernández, Saríol, Vega, Ricardo, González, and Portuondo, 2002:46 (Cuba: Provincia Granma); López García, Mazzitelli, Fruitos, González, Marcucci, Giusti, Alemanno, del Barrio, Portela, and Debandi, 2019:315 (Argentina: Mendoza: departamento de Tupungato: vineyards in Gualtallary); Klein, 2025:130 (Leeward Antilles: Bonaire Island).