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METANYSSON

Metanysson Ashmead, 1899d:326. Type species: *Nysson solani* Cockerell, 1895, by original designation.

Huachuca Pate, 1938c:185. Type species: *Metanysson arivaipa* Pate, 1938, by original designation.

Key: Fritz, 1973 (Neotropical species).

1. *alfkeni* (Ducke)

Nysson alfkeni Ducke, 1904:190, ♀, ♂. Syntypes: Brazil: Maranhão: Alcantara (depository?). – Ducke, 1907b:91 (Brazil: Maranhão State: Alcantara); Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Metanysson*) and 147 (in subgenus *Zanysson*); Nascimento and Overal, 1979:95 (in list of Hymenoptera described by Adolfo Ducke); Roig, 1988:14 (Ducke's material in Bern Museum). – **As *Metanysson alfkeni***: Pate, 1938c:181 (new combination, revision); Fritz, 1968a:147 (bibliographic references, study of type material), 148 (in key to Neotropical *Metanysson*), 1973:198 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); Nascimento and Overal, 1980:7 (Brazil); Amarante, 2002:21 (in catalog of Neotropical Crabronidae).

2. *arivaipa* Pate

Metanysson arivaipa Pate, 1938c:186, ♂. Holotype: ♂, USA: Arizona: Pinal County: 8 mi south of Chandler (ANSP). – Krombein in Muesebeck, Krombein, and Townes, 1951:986 (in catalog of North American Hymenoptera); Evans, 1966d:90 (entering nests of *Cerceris macrosticta*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); H. Allen, 1995:15 (holotype in ANSP); Krombein, 1979b:1690 (in catalog of North American Hymenoptera); Nemkov, 2012b:126 (review of known host species). – **As *Nysson arivaipa***: Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Huachuca*).

3. *carcavalloi* Fritz

Metanysson carcavalloi Fritz, 1959a:154, ♂. Holotype: ♂, Argentina: Catamarca: Catamarca (originally M. Fritz collection, now MACN). – Fritz, 1968a:144 (description of ♀), 148 (in key to Neotropical *Metanysson*), 1973:197, 198 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); Fritz, 1993:16 (holotype in M. Fritz collection); Amarante, 2002:21 (in catalog of Neotropical Crabronidae).

4. *catamarcensis* (Schrottky)

Paranysson catamarcensis Schrottky, 1910b:70, ♂. Holotype: ♂, Argentina: Catamarca: no specific locality (depository?). – Schrottky, 1913:227 (Argentina: Catamarca); Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Metanysson*). – **As *Metanysson catamarcensis***: Pate, 1938c:180 (new combination, in revision of *Metanysson*); Fritz, 1956:91 (Argentina, Uruguay), 1970a:148 (in key to Neotropical *Metanysson*), 1973:197 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); Amarante, 2002:21 (in catalog of Neotropical Crabronidae).

5. *cicheroi* Fritz

Metanysson cicheroi Fritz, 1973:194, ♂. Holotype: ♂, Argentina: Córdoba: Capilla del Monte (originally M. Fritz collection, now MACN). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Fritz, 1973:197 (in key to Neotropical *Metanysson*); Fritz, 1993:16 (holotype in M. Fritz collection); Amarante, 2002:21 (in catalog of Neotropical Crabronidae), 2005a:9 (correction to his 2002 catalog).

6. *coahuila* Pate

Metanysson coahuila Pate, 1938c:183, ♀. Holotype: ♀, USA: California: Riverside County: Palm Springs (ANSP). – Krombein in Muesebeck, Krombein, and Townes, 1951:985 (in catalog of North American Hymenoptera); Evans,

1966d:90 (entering nests of *Cerceris conifrons*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); H. Allen, 1995:15 (holotype in ANSP); Krombein, 1979b:1690 (in catalog of North American Hymenoptera); Nemkov, 2012b:126 (review of known host species). – **As Nysson coahuila**: Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Metanysson*).

7. *diezguitas* Fritz

Metanysson diezguitas Fritz, 1956:94, ♀. Holotype: ♀, Argentina: Tucumán: San Pedro de Colalao (originally M. Fritz collection, now MACN). – Fritz, 1959a:135 (in key to Neotropical *Metanysson*), 1970a:148 (in key to Neotropical *Metanysson*), 1973:198 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); Fritz, 1993:16 (holotype in M. Fritz collection); Amarante, 2002:21 (in catalog of Neotropical Crabronidae), 2005a:9 (correction to his 2002 catalog).

8. *foersteri* Fritz

Metanysson foersteri Fritz, 1956:92, ♀. Holotype: ♀, Argentina: Tucumán: San Pedro de Colalao (originally M. Fritz collection, now MACN). – Fritz, 1959a:135 (in key to Neotropical *Metanysson*), 1970a:147 (as synonym of *Metanysson alfkeni*), 1973:196 (valid species), 198 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae, as synonym of *Metanysson alfkeni*), 628 (full species status recorded); Fritz, 1993:16 (holotype in M. Fritz collection); Amarante, 2002:21 (in catalog of Neotropical Crabronidae), 2005a:9 (correction to his 2002 catalog).

9. *fraternus* Fritz

Metanysson fraternus Fritz, 1968a:144, ♂. Holotype: ♂, Argentina: Río Negro: Lamarque (originally M. Fritz collection, now MACN). – Fritz, 1968a:148 (in key to Neotropical *Metanysson*), 1973:197 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae, dated 1970); Fritz, 1993:16 (holotype in M. Fritz collection); Amarante, 2002:21 (in catalog of Neotropical Crabronidae), 2005a:9 (correction to his 2002 catalog).

10. *horacioi* Fritz

Metanysson horacioi Fritz, 1973:191, ♂. Holotype: ♂, Bolivia: Cordillera: Abapó (originally M. Fritz collection, now MACN). – Fritz, 1973:198 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Fritz, 1993:16 (holotype in M. Fritz collection); Amarante, 2002:21 (in catalog of Neotropical Crabronidae), 2005a:9 (correction to his 2002 catalog).

11. *layano* Pate

Metanysson layano Pate, 1938c:174, ♂. Holotype: ♂, Brazil: Mato Grosso: Aquidauana (Cornell Univ.). – Fritz, 1968a:148 (in key to Neotropical *Metanysson*), 1973:197 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); Amarante, 2002:21 (in catalog of Neotropical Crabronidae). – **As Nysson layano**: Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Metanysson*).

12. *lipan* Pate

Metanysson lipan Pate, 1938c:176, ♂. Holotype: ♂, USA: Texas: Hudspeth County: Sierra Blanca (MCZ). – Krombein in Muesebeck, Krombein and Townes, 1951:985 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); Krombein, 1979b:1690 (in catalog of North American Hymenoptera). – **As Nysson lipan**: Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Metanysson*).

13. *solani* (Cockerell)

Nysson solani Cockerell, 1895:294, ♀. Holotype: ♀, USA: New Mexico: Las Cruces (ANSP). – W. Fox, 1896c:12 (in revision of American *Nysson*); Dalla Torre, 1897:575 (in catalog of world Sphecidae); Cockerell, 1898:143 (New

Mexico: Mesilla Valley); Patton, 1909:442 (first and second submarginal cells merged due to obsolescence of dividing vein); Cresson, 1928:48 (holotype in ANSP); Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Metanysson*). – **As *Metanysson solani***: Ashmead, 1899d:329 (in checklist of North American Crabronidae); Pate, 1937:39 (type species of *Metanysson*), 1938c:181 (in revision of *Metanysson*, description of ♂); Krombein in Muesebeck, Krombein and Townes, 1951:985 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); Krombein, 1979b:1691 (in catalog of North American Hymenoptera); Ohl and Linde, 2003:150 (number of ovarioles); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 46 (Mexico: Tamaulipas).

14. *toba* Fritz

Metanysson toba Fritz, 1973:195, ♀. Holotype: ♀, Argentina: Salta: Tartagal (originally M. Fritz collection, now MACN). – Fritz, 1973:198 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae); Fritz, 1993:16 (holotype in M. Fritz collection); Amarante, 2002:21 (in catalog of Neotropical Crabronidae), 2005a:9 (correction to his 2002 catalog).

15. *tropicalis* Fritz

Metanysson tropicalis Fritz, 1968a:145, ♂. Holotype: ♂, Bolivia: Chiquitos: Reboré (originally M. Fritz collection, now MACN). – Fritz, 1968a:148 (in key to Neotropical *Metanysson*), 1973:198 (in key to Neotropical *Metanysson*); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae, dated 1970); Fritz, 1993:16 (holotype in M. Fritz collection); Amarante, 2002:21 (in catalog of Neotropical Crabronidae), 2005a:9 (in addendum to his 2002 catalog of Neotropical Crabronidae and Sphecidae).

16. *yavapai* Pate

Metanysson yavapai Pate, 1938c:178, ♀, ♂. Holotype: ♀, USA: Arizona: Pinal County: Toltec (ANSP). – Krombein in Muesebeck, Krombein and Townes, 1951:985 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:481 (in checklist of world Sphecidae); Krombein, 1979b:1691 (in catalog of North American Hymenoptera); H. Allen, 1995:15 (holotype in ANSP). – **As *Nysson yavapai***: Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Metanysson*).

sp.

Amarante, 1993:20 (northeastern Brazil); Cambra, 1993:16 (Peru: Pakitza at 11°57'S 71°17'W); Hanson and Menke, 1995:644 (Costa Rica); Rasmussen and Asenjo, 2009:7 (in checklist of Crabronidae of Peru); Morato, Amarante, and Silveira, 2008:793 (Brazil: Acre: Parque Nacional da Serra do Divisor, two species); 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); López García, Mazzitelli, Fruitos, González, Marcucci, Giusti, Alemanno, del Barrio, Portela, and Debandi, 2019:315 (Argentina: Mendoza: departamento de Tupungato: vineyards in Gualtallary).