

Last updated: 8 January 2026

SYNNEVRUS

Synnevrus A. Costa, 1859:16. Type species: *Synnevrus procerus* A. Costa, 1859 [= *Nysson epeoliformis* F. Smith, 1856, by monotypy.

Synnevrus was synonymized with *Nysson* by Handlirsch, 1887:282 and Nemkov and Lelej, 2013:215, but treated as a valid genus by Bohart and Menke, 1976:470 and Schmid-Egger and Al-Jahdhami, 2025:247.

Revision: Nemkov, 2001 (Russia and neighboring countries).

1. *aequalis* (Patton)

Nysson aequalis Patton, 1879b:212, ♂. Holotype or syntypes: ♂, USA: Massachusetts: Easthampton (depository unknown). – Cresson, 1882b:277 (original description copied), 1887:280 (in catalog of North American Hymenoptera); Handlirsch, 1887:350 (in revision of world Bembicinae); W. Fox, 1896c:13 (in revision of North American *Nysson*); Dalla Torre, 1897:567 (in catalog of world Sphecidae); Ashmead, 1899d:329 (in checklist of North American Crabronidae); J. Smith, 1900:521 (in list of insects of New Jersey), 1910:680 (in new list of insects of New Jersey); Rohwer, 1916b:655 (in catalog of Hymenoptera of Connecticut); Mickel, 1918b:350 (in catalog of Nebraskan Sphecidae); Britton, 1920:338 (in checklist of insects of Connecticut); Rohwer *in* Viereck, 1925:655 (in key to Sphecidae of Connecticut; as *aequalis* Say); J.Ch. Bradley, 1928:1016 (in catalog of New York Sphecidae: west of Nyack); Brimley, 1938:447 (North Carolina: Laurinburg, Raleigh, Tarboro); Maidl and Klima, 1939:135 (in catalog of world Astatinae and Bembicinae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:982 (in catalog of North American Hymenoptera); Krombein, 1953a:296 (visiting foliage of *Quercus marilandica* Muenchh., Fagaceae), 297 (visiting foliage of *Quercus virginiana* Mill., Fagaceae), 297 (visiting foliage of *Liquidambar styraciflua* L., [Altingiaceae](#)), 333 (North Carolina), 1953b:133 (North Carolina: Kill Devil Hills); Wray, 1967:123 (North Carolina: Kill Devils Hills); L. Davis, 1978:217 (North Carolina: Kill Devil Hills, data from Krombein, 1953a); Buck and Bennett, 2025:210 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario: no specific locality). – **As *Synnevrus aequalis***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1688 (in catalog of North American Hymenoptera); Radović, 1985:65 (sting apparatus analyzed); Ahlstrom, 1995:112 (in checklist of insects of North Carolina); Hook, 1998:251 (first record from Texas: Travis County: Austin); Wcislo, 1998:181 (proportions of antennae in relations to parasitic/non-parasitic behavior); Buck, 2004:27 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 64 (first record from Canada: Ontario: Point Pelee).

2. *arabicus* (Gadallah and Edmardash)

Nysson arabicus Gadallah and Edmardash *in* Abu el-Ghiet, Gadallah, Gasib, Al-Fifi, and Edmardash, 2023:155, ♂. Holotype: ♂, Saudi Arabia: Sala Mountain: Abdul Rahman Al Jabri farm at 17°04'10.5"N 43°07'43.3"E (Eflatoun Bey collection, Entomology

Department, Cairo University, Giza, Egypt). – Gadallah and Abu El-Ghiet, 2024:81 (Saudi Arabia: Jazan Province: Al Ardah). – **As *Synnevrus arabicus***: Schmid-Egger and Al-Jahdhami, 2025:250 (in key to Nyssonini of Arabian Peninsula), 255 (new generic assignment, recognition characters).

3. *aurinotus* (Say)

Nysson aurinotus Say, 1837:368, sex not stated. Holotype or syntypes: USA: Indiana: no specific locality (lost). – F. Smith, 1856:356 (in catalog of Hymenoptera in British Museum; North America); Le Conte, 1859b:752 (original description copied); Cresson, 1862:234 (in catalog of North American Hymenoptera); Gerstaecker, 1867b:115 (in revision of *Nysson*); nec Packard, 1867:440 (= *Nysson plagiatus*); Cresson, 1873:223 (Texas, as *aurinotatus*), 1876:207 (Colorado: Boulder, as *aurinotatus*), 1882b:277 (original description copied), 1887:280 (in catalog of North American Hymenoptera); Handlirsch, 1887:353 (in revision of world Bembicinae); Ashmead, 1890:33 (in checklist of Hymenoptera of Colorado, as *aurinotatus*); W. Fox, 1896c:13 (in revision of North American *Nysson*); Dalla Torre, 1897:567 (in catalog of world Sphecidae); Ashmead, 1899d:329 (in checklist of North American Crabronidae, as *auronotatus*); Bridwell, 1899:209 (Kansas: no specific locality); Rohwer, 1921b:407 (diagnostic characters, Wisconsin); Maidl and Klima, 1939:135 (in catalog of world Astatinae and Bembicinae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:982 (in catalog of North American Hymenoptera). – **As *Synnevrus aurinotus***: R. Bohart, 1968c:234 (new generic assignment); R. Bohart and Menke, 1976:470 (in checklist of world Sphecidae); Krombein, 1979b:1688 (in catalog of North American Hymenoptera).

Nysson angularis H. Smith, 1908:340, ♂. Holotype: ♂, USA: Nebraska: West Point (UNL). Synonymized with *Nysson aurinotus* by Krombein *in* Muesebeck, Krombein, and Townes, 1951:982. – Mickel, 1918b:350 (in catalog of Nebraskan Sphecidae); Maidl and Klima, 1939:135 (in catalog of world Astatinae and Bembicinae); Muma, 1952:21 (holotype in UNL), 27 (paratype in UNL).

Nysson marlatti Rohwer, 1921b:408, ♀. Holotype: ♀, USA: Texas: Neucest (USNM). Synonymized with *Synnevrus aurinotus* by R. Bohart *in* R. Bohart and Menke (1976). – Maidl and Klima, 1939:137 (in catalog of world Astatinae and Bembicinae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:983 (in catalog of North American Hymenoptera).

4. *barrei* (Radoszkowski)

Nysson barrei Radoszkowski, 1893:71, ♂ (as *Barrei*, incorrect original capitalization). Holotype or syntypes: ♂, Turkmenistan: Serax (Kraków). – Handlirsch, 1895:819 (redescription of type); Dalla Torre, 1897:567 (in catalog of world Sphecidae); Gussakovskij, 1928a:15 (comparison with *Nysson cardinalis*, misspelled *baerii*), 1935:438 (Tajikistan and Turkmenistan); Maidl and Klima, 1939:118 (in catalog of world Astatinae and Bembicinae); R. Bohart and Menke, 1976:469 (in checklist of world Sphecidae); Kazenas, 2001b:44 (in checklist of Sphecidae of Kazakhstan and Central Asia); Atbaei, Fallahzadeh, and Ljubomirov, 2015:17 (first record from Iran: Fars Province); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:44 (Iran: known from Fars Province); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:13 (Azerbaijan: Nakhichevan Autonomous Republic); Gadallah, 2020b:30 (in list of aculeate wasps of Arabian Peninsula); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution). – **As *Synnevrus barrei***: Gayubo, 1992a:89 (new generic assignment); Nemkov, 2001:5 (as

new generic assignment, in revision of *Synnevrus* of Russia and neighboring countries); Schmid-Egger, 2011b:590 (first record from United Arab Emirates: Dubai/al-Awir, recognition characters), 591 (color photograph of female); Schmid-Egger, 2014:609 (United Arab Emirates: Wadi Wurayah); Schmid-Egger and Al-Jahdhami, 2025:250 (in key to Nyssonini of Arabian Peninsula), 255 (member of *Synnevrus*, recognition characters).

Nysson cardinalis Gussakovskij, 1928a:15, ♂. Holotype: ♂, Uzbekistan: Ravat near Khiva (ZIN). Synonymized with *Nysson barrei* by Gussakovskij, 1935:438. – Maidl and Klima, 1939:118 (in catalog of world Astatinae and Bembicinae); R. Bohart and Menke, 1976:469 (in checklist of world Sphecidae, as valid species); Kazenas, 2001b:44 (in checklist of Sphecidae of Kazakhstan and Central Asia); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution).

Nysson erubescens Morice, 1911:110, ♀, ♂. Syntypes: Algeria: Biskra (Oxford). Synonymized with *Synnevrus barrei* by Gayubo, 1992a:89. – Maidl and Klima, 1939:120 (in catalog of world Astatinae and Bembicinae); R. Bohart and Menke, 1976:469 (in checklist of world Sphecidae).

5. *carinifrons* (Nemkov)

Nysson carinifrons Nemkov, 1995d:2, ♀, ♂. Holotype: ♀, Tajikistan: Kondara Canyon 35 km north of Dushanbe (ZIN). – Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae). – As *Synnevrus carinifrons*: Nemkov, 2001:8 (new generic assignment, in revision of *Synnevrus* of Russia and neighboring countries).

6. *compactus* (Cresson)

Nysson compactus Cresson, 1882b:278, ♀, ♂. Lectotype: ♀, Washington Territory: no specific locality (ANSP), designated by Cresson, 1916:98. – Cresson, 1887:280 (in catalog of North American Hymenoptera); Handlirsch, 1887:402 (original description translated into German); W. Fox, 1896c:14 (in revision of North American *Nysson*); Dalla Torre, 1897:568 (in catalog of world Sphecidae); Ashmead, 1899d:329 (in checklist of North American Crabronidae); Maidl and Klima, 1939:136 (in catalog of world Astatinae and Bembicinae); Krombein in Muesebeck, Krombein, and Townes, 1951:982 (in catalog of North American Hymenoptera); Krombein, 1979b:1687 (in catalog of North American Hymenoptera). – As *Synnevrus compactus*: R. Bohart, 1968c:234 (new generic assignment, spelled *Synneurus*, related to *Synneurus aurinotus* and *S. maderae*); R. Bohart and Menke, 1976:469 (in checklist of world Sphecidae).

7. *costae* (Handlirsch)

Nysson costae Handlirsch, 1901d:510, ♂. Holotype or syntypes: ♂, Algeria: Oran (NHMW or Napoli). – Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Synnevrus*). – Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae). – As *Synnevrus costae*: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae).

8. *decemmaculatus* (Spinola)

Nysson decemmaculatus Spinola, 1807:41, ♂ (as *decem-maculatus*, incorrect original hyphenation). Lectotype: ♂, Italy: Liguria: Genova (Torino), designated by de Beaumont, 1952e:42. – Vander Linden, 1829:35 (bibliographic references, Italy: Genova); Dahlbom, 1843:171 (in revision of Sphecidae and Pompilidae), 1845:485 (in key to European *Nysson*, as *decemguttatus*); F. Smith, 1856:355 (in catalog of Hymenoptera in British Museum); A. Costa, 1867c:56 (in revision of Italian Sphecidae); Chevriér, 1867b:28 (in revision of Swiss *Nysson*); Kirchner, 1867:220 (in catalog of European Hymenoptera); A. Costa,

1869b:72 (in revision of Italian Sphecidae); Kohl, 1883e:666 (Switzerland, as *10-maculatus*); De-Stefani, 1895:227 (in catalog of Sicilian Hymenoptera, as *10-maculatus*); Dalla Torre, 1897:569 (in catalog of world Sphecidae, misspelled *decemnotatus* A. Costa, 1869; misspelling cited as valid name in R. Bohart and Menke, 1976:469, in synonymy of *Nysson dimidiatus*); Grandi, 1934:234 (Italy); de Beaumont, 1951g:316 (Italy); Pulawski, 1958a:170 (Bulgaria: Sandanski); de Beaumont and Bytinski-Salz, 1959:108 (Israel); de Beaumont, 1960a:13 (Greece: Island of Rhodes), 1965a:37 (Greece; posterior margin of terga and sterna double-edged), 1967a:321 (Turkey), 1969:89 (Turkey); Kazenas, 1972b:154 (Kazakhstan); Erlandsson, 1974:69 (Yugoslavia); Kazenas, 1978b:92, 94 (in key to Sphecidae of Kazakhstan and Central Asia); Pulawski, 1978:211 (in key to Sphecidae of European part of USSR); Casolari and Casolari Moreno, 1980:125 (specimens in M. Spinola collection, Torino, as *10-maculatus*); Gayubo and Özbek, 2005:14 (Turkey: Erzincan: Agricultural Research; Erzurum: Ýspir, Maden Köprübaşı); Shorenko, 2005a:167 (Ukraine: Crimea); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:11 (Turkey: Erzurum and Tunceli provinces); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:220 (in catalog of Bembicinae of Russia); Shorenko, 2017:80 (in Crimea collected in June through August), 2018:130 (Crimea, including localities, habitats, and number of specimens); Gayubo and Bitsch *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:331 (in Sphecid Fauna of Europe); Shorenko, 2020:50 (Crimea: Karadag Nature Reserve); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution). – **As *Synnevrus decemmaculatus***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); Pulawski, 1982a:365 (synonymy); Pagliano, 1990:69 (in catalog of Italian Sphecidae); Guichard, 1991a:339 (Jordan); Pagliano, 1992a:36 (in key to Italian Nyssoninae); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:4 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:172 (in Sphecid Fauna of Western Europe); Nazarova, 1998:41 (Tajikistan: Tigrovaya Balka Nature Reserve); Esenbekova and Kazenas, 2000:58 (southeastern Kazakhstan: no specific locality); Vicidomini, 2000b:28 (Italy: previously recorded from Campania); Kazenas, 2001b:44 (in checklist of Sphecidae of Kazakhstan and Central Asia); Nemkov, 2001:8 (in revision of *Synnevrus* of Russia and neighboring countries); Kazenas, 2002a:115 (geographic distribution, collecting localities in Kazakhstan); Schmid-Egger, 2003:758 (Italy: Sicilia: Castelammare); Kazenas, 2004b:109 (Kazakhstan: western Tien Shan); Pagliano and Negrisolo, 2005:31 (in Sphecid Fauna of Italy); Shorenko, 2005b:98 (Ukraine: Crimea: Karadagh Nature Reserve); Yildirim and Ljubomirov, 2005:1794 (Turkey: Konya: Çumra); K. Standfuss and L. Standfuss, 2006c:304 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Ljubomirov and Yildirim, 2008:73 (in catalog of Crabronidae of Turkey); Pagliano, 2009:177 (Italy: recorded from Sicilia by Schmid-Egger, 2003); Shorenko, 2009:368 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:111 (in supplement to vol. II of Faune de France, 1997: recent records from Italy, including Sicily, reported); Yildirim, 2012:75 (Turkey: Erzurum and Kars provinces); Pankov, 2013:229 (Russia: Ivanovo Oblast'); Bitsch, 2014:399 (France: Aude: Castelnau-d'Aude); Pagliano, 2014:119, 120 (specimens in M. Spinola collection, Torino, are *Synnevrus decemmaculatus*, *Nysson quadriguttatus*, and *Nysson tridens*); Protsenko, Fateryga, and Ivanov, 2014:33 (Crimea: Opuksk Nature Reserve, Tarkhankut Promontory); Yildirim, Ljubomirov, and Lelej, 2014:5 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:151 (in checklist of Hymenoptera of Turkey); Shorenko, 2015:340 (in list of Sphecidae *sensu lato* of Crimea); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:13 (Azerbaijan: Nakhichevan Autonomous

Republic); Kaplan and Yildirim, 2021:24 (in catalog of Crabronidae of Turkey), 2023:1682 (in checklist of Sphecidae *sensu lato* of Turkey) Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution).

Nysson variolatus A. Costa, 1867c:56, ♂. Lectotype: ♂, Italy: Terra d'Otranto: no specific locality (Napoli), designated by de Beaumont, 1953i:3. Synonymized with *Nysson decemmaculatus* by de Beaumont, 1951g:316, 1952e:41 and 1953i:3. – Handlirsch, 1887:399 (original description translated into German), 1895:816 (redescription of syntype); Dalla Torre, 1897:577 (in catalog of world Sphecidae); Maidl and Klima, 1939:134 (in catalog of world Astatinae and Bembicinae); de Beaumont, 1947b:389 (Cyprus); Pittioni, 1950:24 (Cyprus); Georghiou, 1977:191 (Cyprus).

Nysson variolatus A. Costa, 1869b:72, ♂. Objective synonym of *Nysson variolatus* A. Costa, 1867c:56.

Nysson curtulus F. Morawitz, 1892:156, ♂. Holotype: ♂: Tajikistan: Yaban area (ZIN). Synonymized with *Synnevrus decemmaculatus* by Pulawski, 1982a:365. – Handlirsch, 1895:817 (original description copied); Dalla Torre, 1897:568 (in catalog of world Sphecidae); R. Bohart and Menke, 1976:469 (in checklist of world Sphecidae).

Nysson mopsus Handlirsch, 1898a:484, ♂. Holotype: ♂, Italy: Bolzano, as Bozen (NHMW). Synonymized with *Nysson decemmaculatus* by de Beaumont, 1965a:37. – Schmiedeknecht, 1907:229 (in key to Hymenoptera of Central Europe); Kohl, 1912a:63 (Austria: Südtirol: Bozen, now Italy: Trentino-Alto Adige: Bolzano); Schmiedeknecht, 1930:691 (in keys to Hymenoptera of North and Central Europe); Grandi, 1934:129 (Italy: Lazio: Acilia, determination tentative), corrected to *Nysson decemmaculatus* by de Beaumont, 1951g:316; Maidl and Klima, 1939:126 (in catalog of world Astatinae and Bembicinae); Zavadil in Zavadil and Šnoflák, 1948:158 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); Balthasar, M. Hrubant, and E. Hrubant, 1967:173 (Bulgaria: Slanchev Bryag near Nessebar); Balthasar, 1972:340 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); Dollfuss, 1989:11 (type series in NHMW).

9. *epeoliformis* (F. Smith)

Nysson epeoliformis F. Smith, 1856:354, ♀, ♂. Syntypes: Albania: no specific locality (BMNH). – Gerstaecker, 1867b:93 (in revision of *Nysson*); A. Costa, 1867c:51 (in revision of Italian Sphecidae), 1869b:67 (in revision of Italian Sphecidae); Handlirsch, 1887:344 (in revision of world Bembicinae); Dalla Torre, 1897:569 (in catalog of world Sphecidae); Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Synnevrus*); Guiglia, 1941c:161 (Italy: Calabria: Grande Sila), 1944b:24 (Italy: Calabria); Zavadil in Zavadil and Šnoflák, 1948:157 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); Bytinski-Salz, 1956:226 (Turkey: Akşehir); de Beaumont, 1965a:36 (Greece), 1967a:320 (Turkey), 1969:89 (Turkey); Balthasar, 1972:340 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); Pulawski, 1978:210 (in key to Sphecidae of European part of USSR); Gayubo and Özbek, 2005:14 (Turkey: Erzurum: Hýnýs); Shorenko, 2005a:167 (Ukraine: Crimea); Protsenko, Fateryga, and Ivanov, 2014:33 (Crimea: protected area “Mys Aiya”, Lis'ya Bukhta near Feodosiya); Yildirim, Ljubomirov, and Lelej, 2014:5 (distribution in Turkey by biogeographic provinces); Shorenko, 2015:340 (in list of Sphecidae *sensu lato* of Crimea); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:220 (in catalog of Bembicinae of Russia, as *epeoliformis epeoliformis*); Shorenko, 2017:80 (in Crimea collected in June and July), 2018:130 (Crimea, including localities, habitats, and number of specimens); Gayubo and Bitsch in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:334 (in Sphecid

Fauna of Europe); Shorenko, 2020:50 (Crimea: Karadag Nature Reserve). – **As *Synnevrus epeoliformis***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); Pagliano, 1990:69 (in catalog of Italian Sphecidae), 1992a:36 (in key to Italian Nyssoninae); Negrisola *in* Minelli, Ruffo, and La Posta, 1995b:4 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:172 (in Sphecid Fauna of Western Europe); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:108 (Greece); Kazenas, 2001b:44 (in checklist of Sphecidae of Kazakhstan and Central Asia); Nemkov, 2001:5 (in revision of *Synnevrus* of Russia and neighboring countries); Kazenas, 2002a:115 (geographic distribution, collecting localities in Kazakhstan); Shorenko, 2005b:98 (Ukraine: Crimea: Karadagh Nature Reserve); Ljubomirov and Yildirim, 2008:73 (in catalog of Crabronidae of Turkey); Shorenko, 2009:368 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:111 (in supplement to vol. II of Faune de France, 1997: recent record from continental Greece reported); Koçak and Kemal, 2015:151 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:11 (Turkey: Erzurum: Oltu); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:13 (Azerbaijan: Nakhichevan Autonomous Republic); Kaplan and Yildirim, 2021:24 (in catalog of Crabronidae of Turkey), 2023:1682 (in checklist of Sphecidae *sensu lato* of Turkey).

Synnevrus procerus A. Costa, 1859:16, ♂. Lectotype: ♂, Italy: Terra d'Otranto: no specific locality (Napoli), designated by de Beaumont, 1953i:2. Synonymized with *Nysson epeoliformis* by A. Costa, 1869b:68, synonymy confirmed by de Beaumont, 1953i:2. – Kirchner, 1867:220 (in catalog of European Hymenoptera).

Nysson notabilis Handlirsch, 1895:814, ♀. Holotype: ♀, Armenia or Azerbaijan: Arax valley (NHMW). Synonymized with *Synnevrus epeoliformis* by Nemkov, 2001:5. – Dalla Torre, 1897:573 (in catalog of world Sphecidae); Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Synnevrus*). – **As *Synnevrus notabilis***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae).

ssp. *ditior* Morice

Nysson epeoliformis var. *ditior* Morice, 1911:109, ♂. Syntypes: ♂, Algeria: Biskra (OXUM). – Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Synnevrus*). – **As *Synnevrus decemmaculatus ditior***: R. Bohart and Menke, 1976:470 (new generic assignment, new status, in checklist of world Sphecidae).

10. *excavatus* (R. Turner)

Nysson excavatus R. Turner, 1914b:253, ♂. Holotype: ♂, India: Tamil Nadu: Coimbatore (BMNH). – Maidl and Klima, 1939:135 (in catalog of world Astatinae and Bembicinae); Girish Kumar, 2021:270 (in key to *Nysson* of India), 271 (in review of *Nysson* of India). – **As *Synnevrus excavatus***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae).

11. *grandissimus* (Radoszkowski)

Nysson grandissimus Radoszkowski, 1877:44, ♀, ♂. Lectotype: ♀, Kazakhstan: Mount Karak (ZMMU), designated by Nemkov, 2001:6 in violation of Article 74.7.3. – Handlirsch, 1887:346 (in revision of world Bembicinae); Dalla Torre, 1897:570 (in catalog of world Sphecidae); Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Synnevrus*); Kazenas, 1972b:153 (Kazakhstan), 1974b:110 (feeding on flowers of *Nitraria schoberi* L., Zygophyllaceae, in Kazakhstan); Nemkov, 2017a:Table p. 9 (in zoogeographic analysis of Palearctic Bembicinae). – **As *Synnevrus grandissimus***:

R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); Kazenas, 1978b:92, 93 (in key to Sphecidae of Kazakhstan and Central Asia); Esenbekova and Kazenas, 2000:58 (southeastern Kazakhstan: 10 and 20 km west of Chundzha); Kazenas, 2001b:44 (in checklist of Sphecidae of Kazakhstan and Central Asia); Nemkov, 2001:6 (in revision of *Synnevrus* of Russia and neighboring countries); Kazenas, 2002a:115 (geographic distribution, collecting localities in Kazakhstan).

Nysson grandissimus mongolensis Tsuneki, 1971k:185, ♀. Holotype: ♀, Mongolia: Bayanhongor Aymag: Tsagan Bogd ul (TMB). Synonymized with *Synnevrus grandissimus* by Nemkov, 2001:6. – **As *Synnevrus grandissimus mongolensis***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae).

12. *guichardi* (de Beaumont)

Nysson guichardi de Beaumont, 1967a:322, ♀. Holotype: ♀, Turkey: Ankara: Ankara (BMNH). – Ljubomirov and Yildirim, 2008:67 (in catalog of Crabronidae of Turkey); Nemkov, 2008d:218 (in key to *Nysson* of Russia), 219 (bibliographic references, first record from Russia: Rostov Oblast', first record from Ukraine: Crimea); Yildirim, Ljubomirov, and Lelej, 2014:5 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:147 (in checklist of Hymenoptera of Turkey); Shoreenko, 2015:340 (in list of Sphecidae *sensu lato* of Crimea); Nemkov, 2017a:Table p. 9 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:220 (in catalog of Bembicinae of Russia); Shoreenko, 2018:130 (Crimea, including localities, habitats, and number of specimens), 2019:211 (rare in Crimea); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:14 (Azerbaijan: Nakhichevan Autonomous Republic); Gayubo and Bitsch *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:336 (in Sphecid Fauna of Europe); Kaplan and Yildirim, 2021:25 (in catalog of Crabronidae of Turkey), 2023:1681 (in checklist of Sphecidae *sensu lato* of Turkey). – **As *Synnevrus guichardi***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); K. Standfuss and L. Standfuss, 2006c:304 (first record from Greece: Thessalia: Magnisia Peninsula at 39°N 23°E), 310 (description of ♂); Bitsch, 2010:109 (in supplement to vol. II of Faune de France, 1997: in modified key to European *Nysson*), 110 (discussion of generic placement, recent record from Greece reported).

13. *handlirschi* (Schmiedeknecht)

Nysson handlirschi Schmiedeknecht, 1896:159, sex not stated, but ♂ according to Handlirsch, 1898b:485 (as *Handlirschi*, incorrect original capitalization). Holotype or syntypes: Algeria: Hammam-Bou-Hadjar (depository?). – Handlirsch, 1898b:485 (Algeria, redescription); W. Schulz, 1906:201 (Handlirsch is the author of the name); Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Synnevrus*); de Beaumont, 1950f:402 (Algeria; as *handlirschi* Handlirsch), 1953g:114 (Morocco; as *handlirschi* Handlirsch); Nemkov, 2017a:Table p. 9 (in zoogeographic analysis of Palearctic Bembicinae). – **As *Synnevrus handlirschi***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae).

14. *harveyi* (de Beaumont)

Nysson harveyi de Beaumont, 1967a:320, ♀. Holotype: ♀, Turkey: Kayseri: Sultanhani (BMNH). – Yildirim, Ljubomirov, and Lelej, 2014:5 (distribution in Turkey by biogeographic provinces); Nemkov, 2017a:Table p. 9 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:220 (in catalog of Bembicinae of Russia); Koçak and Kemal, 2015:151 (in checklist of Hymenoptera of Turkey); Mokrousov, Proshchalykin, Aliyev, and

Maharramov, 2019:14 (Azerbaijan: Nakhichevan Autonomous Republic); Kaplan and Yildirim, 2021:25 (in catalog of Crabronidae of Turkey), 2023:1682 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution). – **As *Synnevrus harveyi***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); Nemkov, 2001:6 (in revision of *Synnevrus* of Russia and neighboring countries); Ljubomirov and Yildirim, 2008:73 (in catalog of Crabronidae of Turkey).

15. *intermedius* (Viereck)

Nysson intermedius Viereck, 1908:409, ♀. Holotype: ♀, USA: Arizona: Bill William's Fork (Kansas Univ.). – Rohwer, 1921b:407 (California, New Mexico); Maidl and Klima, 1939:136 (in catalog of world Astatinae and Bembicinae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:983 (in catalog of North American Hymenoptera); LaBerge, 1956:527 (holotype in Snow Entomological Museum). – **As *Synnevrus intermedius***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1688 (in catalog of North American Hymenoptera).

Nysson coyotero Pate, 1940d:3, ♀, ♂. Holotype: ♂, USA: Arizona: Pinal County: Florence (ANSP). Synonymized with *Synnevrus intermedius* by R. Bohart *in* R. Bohart and Menke, 1976:470. – Krombein *in* Muesebeck, Krombein, and Townes, 1951:982 (in catalog of North American Hymenoptera); H. Allen, 1995:15 (holotype in ANSP).

16. *mekkahensis* Schmid-Egger and Al-Jahdhami

Synnevrus mekkahensis Schmid-Egger and Al-Jahdhami, 2025:255, ♀, ♂. Holotype: ♀, Saudi Arabia: Jazan Province: 3 km north of Ayban at 17.300°N 43.056°E (Ch. Schmid-Egger personal collection, Berlin, Germany). – Schmid-Egger and Al-Jahdhami, 2025:250 (in key to Nyssonini of Arabian Peninsula).

17. *militaris* (Gerstaecker)

Nysson militaris Gerstaecker, 1867b:103, ♀. Syntypes: Greece: islands of Rhodes and Naxos: no specific locality (ZMHU). – A. Costa, 1867c:54 and 1869b:70 (in revision of Italian Sphecidae: Terra d'Otranto); Handlirsch, 1887:371 (in revision of world Bembicinae, Italy, Greece, Yugoslavia); Gasperini, 1889:70 (Dalmatia, now Croatia); Handlirsch, 1895:815 (type examined); Dalla Torre, 1897:572 (in catalog of world Sphecidae); Mantero, 1905:70 (Italy: Toscana: Isola del Giglio); Mercet, 1909a:621, 626 (in key to Spanish *Nysson*); nec Nadig, 1933:95 (= *Nysson varelai*); Maidl and Klima, 1939:126 (in catalog of world Astatinae and Bembicinae); Guiglia, 1941c:161 (Italy: Calabria: Grande Sila), 1942a:57 (Greece: Island of Rhodes: Villanova); Giner Marí, 1943a:161 (in Sphecid Fauna of Spain); Guiglia, 1944b:24 (Italy: Calabria); Zavadil *in* Zavadil and Šnoflák, 1948:157 (in key to Sphecidae of Czechoslovakia, not yet found in Czechoslovakia); Balthasar, 1954b:273 (Palestine: Wadi el Kelt near Jericho); de Beaumont, 1954e:89 (Italy: Toscana); Ceballos, 1956:380 (in catalog of Hymenoptera of Spain); de Beaumont and Bytinski-Salz, 1959:108 (Israel); de Beaumont, 1960a:13 (Greece: Island of Rhodes: Kremasti, diagnostic characters), 1965a:38 (Greece); Balthasar, M. Hrubant, and E. Hrubant, 1967:173 (Bulgaria: Slanchev Bryag near Nessebar); de Beaumont, 1967a:321 (Turkey), 1969:89 (Turkey); Balthasar, 1972:340 (in Sphecid Fauna of Czechoslovakia: may be expected in the country); Pulawski, 1978:211 (in key to Sphecidae of European part of USSR); Gayubo and Özbek, 2005:15 (Turkey: Artvin: Ardanuç; Erzurum: Pazaryolu); Bitsch, 2014:399 (observations from Greece by K. Standfuss and L. Standfuss, 2012 reported); Mokrousov and Popov, 2016:571 (Russia: Krasnodarskiy Kray); Yildirim, Ljubomirov, Özbek, and Yüksel,

2016:12 (Turkey: Erzurum Province); Nemkov, 2017a:Table p. 9 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:220 (in catalog of Bembicinae of Russia); Shorenko, 2018:130 (Crimea, including localities, habitats, and number of specimens), 2019:211 (rare in Crimea); Kaplan and Yildirim, 2023:1682 (in checklist of Sphecidae *sensu lato* of Turkey). – *As Synnevrus militaris*: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); Tormos and Jiménez, 1987b:316 (Spain: Provincia Valencia: Dehesa de El Saler); Pagliano, 1990:69 (in catalog of Italian Sphecidae); Pagliano, 1992a:36 (in key to Italian Nyssoninae); Negrisoló *in* Minelli, Ruffo, and La Posta, 1995b:4 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:173 (in Sphecid Fauna of Western Europe); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:109 (Greece); Nemkov, 2001:9 (in revision of *Synnevrus* of Russia and neighboring countries); Generani, Pagliano, Scaramozzino, and Strumia, 2003:64 (Italy: Arcipelago Toscano); Pagliano and Negrisoló, 2005:131 (in Sphecid Fauna of Italy); Ljubomirov and Yildirim, 2008:73 (in catalog of Crabronidae of Turkey); Shorenko, 2009:368 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:111 (in supplement to vol. II of Faune de France, 1997: recent records from Italy and Greece reported); Tüzün and Yüksel, 2010:4473 (Turkey: Niğde Province); K. Standfuss and L. Standfuss, 2012:427 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Yildirim, Ljubomirov, and Lelej, 2014:5 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:151 (in checklist of Hymenoptera of Turkey); Shorenko, 2015:341 (in list of Sphecidae *sensu lato* of Crimea); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:14 (Azerbaijan: Nakhichevan Autonomous Republic); Gayubo and Bitsch *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:340 (in Sphecid Fauna of Europe); Kaplan and Yildirim, 2021:26 (in catalog of Crabronidae of Turkey).

18. *monachus* (Mercet)

Nysson monachus Mercet, 1909a:508, ♀, ♂. Syntypes: Spain: Madrid: Escorial (MNCN). – Mercet, 1909a:623, 627 (in key to Spanish *Nysson*); Moidl and Klima, 1939:126 (in catalog of world Astatinae and Bembicinae); Giner Marí, 1943a:162 (in Sphecid Fauna of Spain); Ceballos, 1956:380 (in catalog of Hymenoptera of Spain); Nouvel and Ribaut, 1958:12 (France: Pyrénées-Orientales: Banyuls-sur-Mer); de Beaumont, 1962b:35 (Spain, Italy), 1965a:38 (member of *Nysson monachus* species group); Nouvel, 1969:337 (France); Diniz, 1973:49 (Portugal: Lagoa de Albufeira, Lisboa, Rezende, Serra da Boa Viagem); R. Bohart and Menke, 1976:469 (in checklist of world Sphecidae); Pagliano, 1980:113 (Italy: Lazio), 1990:68 (in catalog of Italian Sphecidae); Gayubo, 1982b:36 (Spain: Salamanca: Nava de Béjar, Santibáñez de Béjar); Martín Albaladeo and Izquierdo Moya, 2006:125 (type in Museo Nacional de Ciencias Naturales); K. Standfuss and L. Standfuss, 2006c:304 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Gayubo, González, Tormos, and Asís, 2009:364 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Bitsch, 2010:111 (in supplement to vol. II of Faune de France, 1997: recent records from France, Greece, and Spain reported); Baños-Picón, Asís, Gayubo, and Tormos, 2009:310 (Spain: frequency of specimens collected with hand nets and Malaise traps); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire), 501 (exclusive species of burned areas); Bitsch, 2014:400 (France: Aude: Montredon-des-Corbières); Nemkov, 2017a:Table p. 9 (in zoogeographic analysis of Palearctic Bembicinae); Gayubo and Bitsch *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and

Schmidt, 2020:341 (in Sphecidae Fauna of Europe); Fresno, 2021a:80 (Spain: Málaga: Mijas; Segovia: Lastras de Cuéllar). – *As Synnevrus monachus*: Gayubo, 1992b:89 (new generic assignment); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:4 (in catalog of Italian fauna); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:173 (in Sphecidae Fauna of Western Europe); Gayubo, García, Torres, and González, 1999:91 (Spain: Soria Province); Magdalou, 2006b:109 (France: Pyrénées-Orientales: Mas Larrieu Nature Reserve near Argelès-sur-Mer), 2006c:8 (France: Pyrénées-Orientales: Réserve Naturelle du Mas-Larrieu), 2017:16 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Mas Larrieu); Cross, Baldock, and Wood, 2021:32 (in catalog of Sphecidae *sensu lato* of Portugal).

19. *ohli* Schmid-Egger

Synnevrus ohli Schmid-Egger, 2011b:592, ♂. Holotype: ♂, United Arab Emirates: Dubai/al-Awir (ZMHU). – Schmid-Egger, 2011a:591 (color photograph of male head and thorax), 594 (color photograph of male); Schmid-Egger and Al-Jahdhami, 2025:250 (in key to Nyssonini of Arabian Peninsula), 257 (locality records from Arabian Peninsula, recognition characters), – *As Nysson ohli*: Nemkov, 2017a:Table p. 9 (new generic assignment, in zoogeographic analysis of Palearctic Bembicinae); Gadallah, 2020b:30 (in list of aculeate wasps of Arabian Peninsula); Gadallah, Edmardash, Abu El-Ghiet, Al-Fifi, 2024:554 (description of ♀); Gadallah and Abu El-Ghiet, 2024:81 (Saudi Arabia: Jazan Province: Al Ardah).

20. *plagiatus* (Cresson)

As Nysson aurinotus: Packard, 1867:440 (in revision of North American Crabronidae), corrected to *Nysson plagiatus* by Cresson, 1882b:276.

Nysson plagiatus Cresson, 1882b:276, ♀, ♂. Lectotype: ♀, USA: Illinois: no specific locality (ANSP), designated by Cresson, 1916:98. – Cresson, 1887:280 (in catalog of North American Hymenoptera); Handlirsch, 1887:348 (in revision of world Bembicinae); W. Fox, 1896c:13 (in revision of North American *Nysson*); Dalla Torre, 1897:573 (in catalog of world Sphecidae); Ashmead, 1899d:329 (in checklist of North American Crabronidae); J. Smith, 1900:521 (in list of insects of New Jersey); H. Smith, 1908b:3340 (in revision of Nebraskan Sphecidae); J. Smith, 1910:680 (in new list of insects of New Jersey); Mickel, 1918b:350 (in catalog of Nebraskan Sphecidae); J.Ch. Bradley, 1928:1016 (in catalog of New York Sphecidae); Hendrickson, 1930:158 (Iowa); Maidl and Klima, 1939:127 (in catalog of world Astatinae and Bembicinae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:983 (in catalog of North American Hymenoptera); Ristich, 1953:380 (nest parasite of *Sphex ichneumoneus*); Evans, 1975a:263 (host: *Sphex ichneumoneus*); Ratzlaff, 2016:24 (Canada: first record from British Columbia: Southern Interior), 33 (British Columbia: Keremeos); Buck and Bennett, 2025:210 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia, Ontario, Quebec, Saskatchewan, first record from Alberta: no specific locality); Buck and Bennett, 2025:210 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia, Ontario, Quebec, Saskatchewan, first record from Alberta: no specific locality). – *As Synnevrus plagiatus*: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1688 (in catalog of North American Hymenoptera); Finnamore, 1982:212 (in Sphecidae Fauna of Southern Quebec); Radović, 1985:65 (sting apparatus analyzed); Buck, 2004:27 (in checklist of Crabronidae of Ontario, Canada), 31 (distribution within Ontario), 64 (first record from Ontario: list of localities).

21. *quadricolor* (Arnold)

Nysson quadricolor Arnold, 1951:122, ♀. Holotype: ♀, Mali: Tillembeya, now Diarafabé, approximately 14°N 4°W (BMNH). – **As *Synnevrus quadricolor***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae).

22. *rufoniger* (R. Turner)

Nysson rufoniger R. Turner, 1912c:418, ♂. Holotype or syntypes: ♂, Zambia: Upper Luangwa River (BMNH). – Arnold, 1929a:226 (in revision of southern African Sphecidae *sensu lato*), 1930:18 (in checklist of Afrotropical Sphecidae); Maidl and Klima, 1939:134 (in catalog of world Astatinae and Bembicinae). – **As *Synnevrus rufoniger***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae).

23. *rufopictus* (F. Smith)

Nysson rufopictus F. Smith, 1856:356, ♀ (as *rufo-pictus*, incorrect original hyphenation). Holotype or syntypes: ♀, origin unknown (BMNH). – Gerstaecker, 1867b:122 (comments based on original description); Handlirsch, 1887:409 (original description translated into German); Dalla Torre, 1897:574 (in catalog of world Sphecidae); Maidl and Klima, 1939:138 (in catalog of world Astatinae and Bembicinae). – **As *Synnevrus rufopictus***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae, Asian species?).

24. *semenovi* Nemkov

Synnevrus semenovi Nemkov, 2001:9, ♀. Holotype: ♀, Tajikistan: Khodja-Obigarm (ZIN). – **As *Nysson semenovi***: Nemkov, 2017a:Table p. 9 (new generic assignment, in zoogeographic analysis of Palearctic Bembicinae).

25. *trichopygus* (de Beaumont)

Nysson trichopygus de Beaumont, 1967a:323, ♂. Holotype: ♂, Turkey: Mersin: Mut (Lausanne). – de Beaumont, 1969:89 (Turkey; diagnostic characters); Yıldırım, Ljubomirov, and Lelej, 2014:6 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Nemkov, 2017a:Table p. 10 (in zoogeographic analysis of Palearctic Bembicinae); Kaplan and Yıldırım, 2021:26 (in catalog of Crabronidae of Turkey), 2023:1682 (in checklist of Sphecidae *sensu lato* of Turkey). – **As *Synnevrus trichopygus***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae). – **As *Brachystegus trichopygus*** (in error): Ljubomirov and Yıldırım, 2008:66 (in catalog of Crabronidae of Turkey); Koçak and Kemal, 2015:139 (in checklist of Hymenoptera of Turkey).

26. *uniformis* (Pérez)

Nysson uniformis Pérez, 1895d:177, ♂. Syntypes: ♂, Algeria: Nazereg (MNHN). – Maidl and Klima, 1939:146 (in catalog of world Astatinae and Bembicinae, in subgenus *Synnevrus*); Nemkov, 2017a:Table p. 10 (in zoogeographic analysis of Palearctic Bembicinae). – **As *Synnevrus uniformis***: R. Bohart and Menke, 1976:470 (new generic assignment, in checklist of world Sphecidae).

sp.

G. Scudder, 1994:76 (British Columbia: in checklist of rare and endangered invertebrates, as *Synnevrus*); Schmid-Egger, 2003:758 (Italy: Sicilia: Castelammare, as *Synnevrus* sp.);