

Last updated: 19 May 2025

HOPLISOIDES

Hoplisoides Gribodo, 1884b:276. Type species: *Hoplisoides intricans* Gribodo, 1884, by monotypy.

Icuma Cameron, 1905b:21. Type species: *Icuma sericea* Cameron, 1905 [= *Gorytes vespoidea* F. Smith, 1873], by monotypy. Synonymized with *Hoplisoides* by R. Bohart in R. Bohart and Menke, 1976:53.

Keys: Alayo Dalmau, 1976:13 (Cuba); Nemkov, 1995c:133 (Soviet Union); R. Bohart, 1997b (North America); Buck, 2007 (Canada).

Revision: R. Bohart, 2000:221 (Neotropical species); Buck, 2007 (Canadian species).

Review of biology: Kazenas, 2001b:227.

In key to genera of Gorytina: R. Bohart, 2000:118; Nemkov, 2010b:502.1.

1. *aglaia* (Handlirsch)

Gorytes aglaia Handlirsch, 1895:887, ♂ (as *Aglaia*, incorrect original capitalization). Holotype: ♂, South Africa: Cape Province: no specific locality (ZMHU). – Dalla Torre, 1897:536 (in catalog of world Sphecidae); Handlirsch, 1901b:427 (additional description); Maidl and Klima, 1939:87 (in catalog of world Astatinae and Bembicinae). – As ***Arpactus aglaia***: Arnold, 1929a:237 (new generic assignment, in revision of Afrotropical *Arpactus*, description of ♀), 1930:18 (in checklist of Afrotropical Sphecidae). – As ***Hoplisoides aglaia***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae); Gess, 1981:20 (South Africa: Hilton Farm 18 km west-north-west of Grahamstown; nesting in sandy soils); S. Gess and F. Gess, 2003:113 (South Africa: visiting flowers of *Foeniculum vulgare* Mill., Apiaceae, *Acacia karroo* Hayne, Fabaceae, and *Ziziphus mucronata* Willd., Rhamnaceae); Evans and O'Neil, 2007:60 (the species is associated with sandy soils according to Gess, 1981).

Gorytes euphrosyne Handlirsch, 1895:888, ♀ (as *Euphrosyne*, incorrect original capitalization). Holotype: ♀, Africa: no specific locality (ZMHU). Synonymized with *Gorytes aglaia* by Arnold, 1929a:237. – Dalla Torre, 1897:541 (in catalog of world Sphecidae).

2. *alaya* (Pate)

Psammaecius alaya Pate, 1947h:96, ♀, ♂. Holotype: ♂, Dominican Republic (as San Domingo): no specific locality (originally ANSP, now lost?). – H. Allen, 1995:15 (type missing in ANSP collection). – As ***Hoplisoides alaya***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae); R. Bohart, 1997b:649 (in revision of North American *Hoplisoides*), 2000:224 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Perez-Gelabert, 2008:240 (in list of arthropods of island of Hispaniola).

3. *arispilos* R. Bohart

Hoplisoides arispilos R. Bohart, 2000:224, ♀. Holotype: ♀, Dominican Republic: Azua Province: Tortuguero (FSCA). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

4. *ater* (Gmelin)

Crabro tricinctus Fabricius, 1775:375, sex not indicated. Lectotype: ♀, South America: no specific locality (ZMUC), designated by van der Vecht, 1961a:49. – Fabricius, 1781:472 (redescription), 1787:297 (redescription); Christ, 1791:292 (redescription); Olivier, 1792:518 (redescription); Fabricius, 1793:299 (redescription), 1796:51 (in Index to his Entomologia Systematica, 1793), 1804:313 (redescription, may be a *Mellinus*); Lepeletier de Saint Fargeau and Brullé, 1835:807 (discussion of species identity); Dahlbom, 1844:343 (original description copied), 1845:525 (in key to Crabronidae, unknown to author); Cresson, 1962:236 (in catalog of North American Hymenoptera); Dalla Torre, 1897:632 (in catalog of world Sphecidae). – As ***Vespa tricincta***: Gmelin, 1790:2749 (new generic assignment, redescription). – As ***Mellinus tricinctus***: Fabricius, 1804:299 (new generic assignment, redescription).

Vespa atra Gmelin, 1790:2765, substitute name for *Vespa tricincta* (Fabricius, 1775) Gmelin, 1790, junior secondary homonym of *Vespa tricincta* Fabricius, 1775 (now in *Sphecius*). – **As *Hoplisoidea ater***: Alayo Dalmau, 1976:13 (new generic assignment, in key to Cuban *Hoplisoidea*), 28 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:520 (in checklist of world Sphecidae); Sánchez and J.A. Genaro, 1992:150 (nesting behavior); Snelling, 1993:18 (British Virgin Islands: Island of Guana), 1993b:13 (specimens previously recorded by Snelling from Virgin Island can be *Hoplisoidea tricinctus*); R. Bohart, 1997b:649 (in revision of North American *Hoplisoidea*), 2000:224 (in revision of Neotropical Gorytini); Fernández, Garcés, Portuondo, Valdés and Expósito, 2001:1022 (collected on weed flowers in Botanical Garden of Santiago de Cuba); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Fernández, Sariol, Vega, Ricardo, González, and Portuondo, 2002:46 (Cuba: Provincia Granma); Portuondo and Fernández, 2004:134 (Cuba: Sierra Maestra); Snelling, 2005:291 (British Virgin Islands: Island of Guana); Genaro, 2006:52 (in checklist of Cuban Sphecidae and Crabronidae; other countries: Bahamas: Island of Providence, Puerto Rico, Island of Virgin Gorda, Island of Guana); Evans and O’Neil, 2007:60 (summary of information on nesting habits).

Vespa tristrigata Fabricius, 1794:459, sex not indicated. Lectotype: ♀, South American Islands: no specific locality (ZMUC), designated by van der Vecht, 1961a:49. Synonymized with *Hoplisus tricinctus* by Dahlbom, 1845:XXV. – Fabricius, 1796:174 (in Index to his Entomologia Systematica, 1794, as *tristriata*). – **As *Mellinus tristrigatus***: Fabricius, 1798:266 (new generic assignment, redescription), 1799:32 (in Index to his Supplementum, 1798), 1804:299 (redescription). – **As *Hoplisus tristrigatus***: Dahlbom, 1845:XXV (new generic assignment, study of type material), 483 (in key to world *Hoplisus*). – **As *Gorytes tristrigatus***: F. Smith, 1856:364 (new generic assignment, in catalog of Hymenoptera in British Museum); Handlirsch, 1888b:392 (in revision of world Bembicinae), 1895:880 (additional description of ♂); Dalla Torre, 1897:555 (in catalog of world Sphecidae); Maidl and Klima, 1939:61 (in catalog of world Astatinae and Bembicinae). – **As *Harpactus tristrigatus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae).

Lestiphorus behni Dahlbom, 1842:11, ♀ (as *Behni*, incorrect original capitalization). Holotype: ♀, origin unknown (ZMUC, coll. Fabricius). Synonymized with *Hoplisus tristrigatus* by Dahlbom, 1845:483. – **As *Hoplisus behni***: Dahlbom, 1843:165 (new generic assignment, redescription).

Harpactus scitulus Cresson, 1865a:147, ♀. Holotype: ♀, Cuba: no specific locality (IZAC). Synonymized with *Gorytes tristrigatus* by Handlirsch, 1888b:392. – Packard, 1867:444 (bibliographic reference); Gundlach, 1886:138 (...); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Cresson, 1916:98 (holotype in Gundlach collection). – **As *Hoplisoidea scitulus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae). – **As *Hoplisus scitulus***: Wolcott, 1951:840 (new generic assignment, in review of insects of Puerto Rico). – **As *Psammaecius scitulus***: Pate, 1947h:93 (new generic assignment, recorded from Cuba); Alayo Dalmau, 1969:11 (in revision of Nyssoninae of Cuba), 1973:187 (in catalog of Cuban Hymenoptera).

5. *azuae* R. Bohart

Hoplisoidea azuae R. Bohart, 2000:226, ♀. Holotype: ♀, Dominican Republic: Azua Province: Tortuguero (FSCA). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

6. *bandraensis* (Giner Marí)

Gorytes bandraensis Giner Marí, 1945c:856, ♂. Holotype: ♂, India: Maharashtra: Bandra near Bombay (MNCN). – **As *Hoplisoidea bandraensis***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae).

7. *basutorum* (Arnold)

Gorytes basutorum Arnold, 1958:133, ♂. Syntypes: ♂, Lesotho: Mamathes, Leribe; South Africa: North West Province: Lichtenburg (SAM). – **As *Hoplisoidea basutorum***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae); Hancock, Chahwanda, and Mhlana, 1995:38 (paratype in Bulawayo Museum).

8. bipustulatus (Arnold)

Gorytes bipustulatus Arnold, 1945:55, ♀, ♂. Syntypes: Madagascar: Behara, Bekily (MNHN). – Leclercq, 1960a:100 (Madagascar). – **As *Hoplisoides bipustulatus***: R. Bohart in R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae); Leclercq, 1990b:119 (Madagascar; prey: Tettigometridae); Pulawski, 2003b:796 (in checklist of Malagasy Sphecidae); Madl, 2014a:946 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Malagasy subregion, with synonymy and locality records).

9. boranensis (Guiglia)

Arpactus boranensis Guiglia, 1939d:65, ♂. Holotype: ♂, Ethiopia: Sidamo: Moyale (MSNG). – **As *Hoplisoides boranensis***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae).

10. braunsii (Handlirsch)

Gorytes braunsii Handlirsch, 1901b:429, ♀ (as *Braunsii*, incorrect original capitalization). Holotype: ♀, Mozambique: Delagoa Bay, now Maputo Bay (NHMW). – Maidl and Klima, 1939:87 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides braunsii***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae).

11. calliope (Arnold)

Arpactus calliope Arnold, 1936:8, ♀. Holotype: ♀, Zaire: Lubutu at 0°40'S 26°40'E (SAM). – **As *Gorytes calliope***: Maidl and Klima, 1939:87 (new generic assignment, in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides calliope***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae).

12. capitatus (Nurse)

Gorytes capitatus Nurse, 1902:86, "♀" = ♂. Holotype: ♂, India: Gujarat: Deesa (BMNH). – Ramakrishna Aiyar, 1916:556 (in catalog of Indian aculeates described after Bingham, 1897); Maidl and Klima, 1939:55 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides capitatus***: R. Bohart in R. Bohart and Menke, 1976:521 (new generic assignment, as new synonym of *Hoplisoides pictus*); Krombein, 1985a:28 (valid species).

13. carinatus R. Bohart

Hoplisoides carinatus R. Bohart, 1968b:287, ♀, ♂. Holotype: ♂, USA: Arizona: Santa Cruz County: Madera Canyon (UCD). Paratypes: Mexico: Sonora. – R. Bohart and Menke, 1976:520 (in checklist of world Sphecidae); Krombein, 1979b:1699 (in catalog of North American Hymenoptera); R. Bohart, 1997b:649 (in revision of North American *Hoplisoides*); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

14. cazieri R. Bohart

Hoplisoides cazieri R. Bohart, 1968b:288, ♀, ♂. Holotype: ♂, USA: Arizona: Carr Canyon in Huachuca Mountains (AMNH). – R. Bohart and Menke, 1976:520 (in checklist of world Sphecidae); Krombein, 1979b:1699 (in catalog of North American Hymenoptera); R. Bohart, 1997b:649 (in revision of North American *Hoplisoides*); Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

15. confertus (W. Fox)

Gorytes confertus W. Fox, 1896a:525, ♀, ♂. Lectotype: ♀, USA: Montana: no specific locality (ANSP), designated by Cresson, 1928:47. – Maidl and Klima, 1939:90 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius confertus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera). – **As *Hoplisoides confertus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); H. Smith, 1908b:343 (in revision of Nebraskan Sphecidae); Mickel, 1918b:353 (in catalog of Nebraskan Sphecidae); R. Bohart and Menke, 1976:520 (in checklist of world Sphecidae); Krombein, 1979b:1700 (in catalog of North American Hymenoptera, nesting sites, list of prey); R. Bohart, 1997b:650 (in revision

of North American *Hoplisoides*); Amarante, 2002:15 (in catalog of Neotropical Crabronidae), 2005a:9 (correction to his 2002 catalog).

Gorytes imperialensis Bradley, 1920:117, ♂. Holotype: ♂, USA: California: Imperial County: Brawley (Cornell Univ.). Synonymized with *Hoplisoides confertus* by R. Bohart in R. Bohart and Menke, 1976:520. – Maidl and Klima, 1939:90 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius imperialensis***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera).
As *Hoplisoides barbatulus*: H. Smith, 1908:344 (in revision of Nebraskan Sphecidae, description of ♀), corrected to *Hoplisoides confertus* by Mickel, 1918b:353.

16. *confusus* (Dutt)

Gorytes confusus Dutt, 1921:29, ♂. Holotype: ♂, India: Bihar: Chapra (BMNH). – Maidl and Klima, 1939:88 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides confusus***: R. Bohart and Menke, 1976:520 (new combination, in checklist of world Sphecidae).

17. *costalis* (Cresson)

Gorytes costalis Cresson, 1873:225, ♀. Holotype: ♀, USA: Texas: Dallas County: no specific locality (MCZ). – Cresson, 1887:279 (in catalog of North American Hymenoptera); Handlirsch, 1888b:382 (in revision of world Bembicinae); W. Fox, 1896a:528 (in revision of North American *Gorytes*); Dalla Torre, 1897:540 (in catalog of world Sphecidae); Ashmead, 1899d:329 (in checklist of North American Crabronidae); Snow, 1906:134 (Arizona: Oak Creek 20 mi. southwest of Flagstaff); Cresson, 1916:98 (type in MCZ); Rau, 1922:19 (nesting in ground); J.Ch. Bradley, 1928:1015 (in catalog of New York Sphecidae); Maidl and Klima, 1939:58 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisus costalis***: Rohwer, 1916b:657 (new generic assignment, in catalog of Hymenoptera of Connecticut); Britton, 1920:338 (in checklist of insects of Connecticut); E. Reinhard, 1925a:107 (nesting habits), 1929:236 (nesting habits), 264 (*Nysson hoplisivora*, now *Epinysson tuberculatus*, is nest parasite); Rohwer in Viereck, 1925:657 (in key to Sphecidae of Connecticut; New Haven). – **As *Psammaecius costalis***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera); Krombein, 1953a:286 (prey) 334 (North Carolina), 1958f:193 (in supplement to catalog of North American Hymenoptera: New Carolina, Wisconsin; prey: *Ceresa palmeri* Van Duzee, a membracid); Evans, 1959b:151 (description of larva); Krombein, 1959e:196 (nest, prey); Wray, 1967:124 (North Carolina: Kill Devils Hills); L. Davis, 1978:217 (North Carolina: Kill Devil Hills, data from Krombein, 1953a). – **As *Hoplisoides costalis***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); Rau, 1922:19 (USA: Missouri: Saint Louis); Evans, 1966d:49 (nesting behavior); R. Bohart and Menke, 1976:520 (in checklist of world Sphecidae); Radović, 1985:66 (sting apparatus analyzed); Piek and Spanjer, 1986:184 (in list of Sphecidae with known prey); Steiner, 1986:109 (references to publications on nesting habits); Spofford, Kurczewski, and Downes, 1989:255 (reference to publication on nest parasite *Amobia aurifrons* (Townsend), a miltogrammine fly); Hanson and Menke, 1995:645 (known from Costa Rica); R. Bohart, 1997b:650 (in revision of North American *Hoplisoides*); Finnermore, 1997:894 (Canada: expected to occur in Yukon, as *costalis costalis*); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species); Buck, 2004:27 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 67 (first record from Canada: Ontario: list of localities), 2007:76 (in revision of Canadian *Hoplisoides*); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Saskatchewan, first records from Alberta and Manitoba: no specific locality).

Gorytes knabi Rohwer, 1911b:569, ♂. Holotype: ♂, Mexico: Yucatan: Progreso (USNM). Tentatively synonymized with *Hoplisoides costalis* by R. Bohart, 1997b:650. – Maidl and Klima, 1939:91 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides knabi***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world

Sphecidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

18. *craverii* (A. Costa)

Hoplisus craverii A. Costa, 1867c:67, ♀, ♂ (as *Craverii*, incorrect original capitalization). Syntypes: Italy: Piemonte: Brà (Napoli). – A. Costa, 1871c:95 (description), pl. III fig. 5 (color illustration of ♀); Baldini, 1894:68 (Italy: Modena area). – **As *Gorytes craverii***: Handlirsch, 1888b:395 (new generic assignment, as synonym of *Gorytes punctuosus*); Ceballos, 1956:381 (in catalog of Hymenoptera of Spain); Bajári, 1957a:104 (in key to Hungarian Sphecidae); de Beaumont, 1959a:21 (Italy); Noskiewicz and Puławski, 1960:95 (in key to Polish Sphecidae, not yet found in Poland); de Beaumont, 1965a:30 (Greece), 1967a:312 (Turkey), 1969a:85 (Turkey); Balthasar, 1972:313 (in Sphecidae Fauna of Czechoslovakia); Pulawski, 1978:204 (in key to Sphecidae of European part of USSR); Pádr in Šedivý, 1989:167 (in checklist of Czechoslovakian Sphecidae, as *craverii*). – **As *Hoplisoides craverii***: de Beaumont, 1952d:223 (new generic assignment, in revision of Mediterranean *Hoplisoides*), 224 (nominotypical subspecies); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Józán, 1985b:61 (recorded from Balatonszéplak by Bajári, 1957), 71 (map of distribution in Hungary), 84 (ecological and zoogeographic characteristics); Pagliano, 1990:73 (in catalog of Italian Sphecidae); Dollfuss, 1991:205 (in key to Sphecidae of North and Central Europe); Pagliano, 1992:42 (in key to Italian Nyssoninae); Negrisola in Minelli, Ruffo, and La Posta, 1995b:5 (in catalog of Italian fauna); Nemkov, 1995c:134 (in key to *Hoplisoides* of USSR), 135 (distribution in Soviet Union); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:226 (in Sphecidae Fauna of Western Europe); Józán, 2000:113 (Hungary: Bakony Mountains); Shkuratov, 2000:57 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Józán, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:47 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:125 (geographic distribution, collecting localities in Kazakhstan); Kazenas, 2004b:110 (Kazakhstan: western Tien Shan); Gayubo and Özbek, 2005:20 (Turkey: Erzurum: Oltu); Pagliano and Negrisola, 2005:164 (in Sphecidae Fauna of Italy); Standfuss and Standfuss, 2006c:305 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Straka, 2005a:394 (extinct in Czech Republic); Vepřek and Straka, 2007:208 (in catalog of Sphecidae of Czech Republic and Slovakia, known from Moravia and Slovakia only); Gayubo, González, Tormos, and Asís, 2008:137 (Spain: Salamanca: Parque Natural de Las Batuecas–Sierra de Francia); Ljubomirov and Yildirim, 2008:91 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:311 (Spain: frequency of specimens collected with hand nets and Malaise traps); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Józán, 2011:183 (in checklist of Sphecidae *sensu lato* of Hungary); Yildirim, 2012:76 (Turkey: Artvin: Yusufeli: Pamukçular, as *craverii craverii*); Kazenas, 2014a:138 (Kazakhstan: Karatau Mountain Range); Yildirim, Ljubomirov, and Lelej, 2014:6 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:145 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:16 (Turkey: Artvin, Erzurum, and Kars provinces, as *craverii craverii*); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:224 (in catalog of Bembicinae of Russia, as *craverii craverii*), Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:271 (in Sphecidae Fauna of Europe); Cross, Baldock, and Wood, 2021:27 (in catalog of Sphecidae *sensu lato* of Portugal); Kaplan and Yildirim, 2021:38 (in catalog of Crabronidae of Turkey), 2023:1681 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:427 (Uzbekistan: distribution).

Hoplisus craverii A. Costa, 1869b:83, ♀, ♂ (as *Craverii*, incorrect original capitalization). Objective synonym of *Hoplisus craverii* A. Costa, 1867c:67.

Hoplisus ottomanus Mocsáry, 1879:136, ♀ (as *Ottomanus*, incorrect original capitalization). Holotype or syntypes: ♀, Asia Minor, now Turkey: no specific locality (TMB). Synonymized with *Hoplisoides craverii* by de Beaumont, 1952d:223. – **As *Gorytes ottomanus***: Handlirsch, 1888b:395 (new generic assignment, as synonym of *Gorytes punctuosus*).

tuosus), 1894:32 (Progr. Gymn. Pola); Schletterer, 1894:32 (Istria Peninsula, now part of Croatia, Slovenia, and Italy); Handlirsch, 1895:882 (valid species, redescription); Dalla Torre, 1897:549 (in catalog of world Sphecidae); Mocsáry, 1900:82 (Hungary: Budapest: Csepel Island); Schmiedeknecht, 1907:218, 220 (in key to Hymenoptera of Central Europe); Strand, 1919:45 (Macedonia: Čaška); Schmiedeknecht, 1930:680, 682 (in keys to Hymenoptera of North and Central Europe); Zavadil, Šusterka, and Bat'a, 1937:190 (in catalog of Sphecidae of Czechoslovakia); Maidl and Klima, 1939:85 (in catalog of world Astatinae and Bembicinae); Šnoflák, 1944a:144 (Czech Republic: serpentine steppe near Mohelno); Šnoflák in Zavadil and Šnoflák, 1948:69 (in key to Sphecidae of Czechoslovakia); Balthasar, 1952:66 (Slovakia), 1958:337 (Slovakia: Gbelce, Štúrovo). – **As *Hoplisoides ottomanus***: Tsuneki, 1971k:189 (new generic assignment, Mongolia).

spp. *merceti* (de Beaumont)

Gorytes merceti de Beaumont, 1950a:63, ♀, ♂. Holotype: ♂, Spain: El Escorial (MNCN). – Martin Albaladeo and Izquierdo Moya, 2006:124 (type in Museo Nacional de Ciencias Naturales). – **As *Gorytes craverii* var. *merceti***: Ceballos, 1956:381 (new status, in catalog of Hymenoptera of Spain). – **As *Gorytes craverii merceti***: Nouvel and Ribaut, 1958:12 (new status, France: Pyrénées-Orientales: Banyuls-sur-Mer); Suárez, 1959:56 (Spain: Almería Province); de Beaumont, 1962b:23 (Spain); Ceballos, 1964:90 (in supplement to catalog of Spanish Sphecidae); Diniz, 1973:45 (Portugal: Coimbra). – **As *Hoplisoides craverii merceti***: de Beaumont, 1952d:223 (new status), 224 (in revision of Mediterranean *Hoplisoides*); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Gayubo, 1982b:45 (Spain: Ávila and Salamanca provinces), 1982e:107 (Spain: Cádiz Province), 1983e:234 (Spain: Salamanca Province); Gayubo and Sanza, 1986:78 (Spain: Burgos); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño–Vega del Duero).

As Gorytes punctatus: Mercet, 1906:131, 137 (in key to Spanish *Gorytes*), corrected to *Gorytes merceti* by de Beaumont, 1950a:63.

19. *dentatus* (W. Fox)

Gorytes dentatus W. Fox, 1893b:116, ♂. Lectotype: ♂, USA: Arizona: Grand Canyon (ANSP), designated by Cresson, 1928:47. – Handlirsch, 1895:896 (original description translated into German); W. Fox, 1896a:528 (in revision of North American *Gorytes*); Dalla Torre, 1897:540 (in catalog of world Sphecidae); Maidl and Klima, 1939:90 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius dentatus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera). – **As *Hoplisoides dentatus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); R. Bohart, 1997b:650 (in revision of North American *Hoplisoides*); Krombein, 1979b:1700 (in catalog of North American Hymenoptera).

20. *denticulatus* (Packard)

Gorytes denticulatus Packard, 1867:430, ♀, actually ♂ (R. Bohart, 1997b:651). Lectotype: ♂, USA: Louisiana: no specific locality (ANSP), designated by Cresson, 1928:47. – Cresson, 1887:279 (in catalog of North American Hymenoptera); Handlirsch, 1888b:410 (original description translated into German); W. Fox, 1896a:530 (in revision of North American *Gorytes*); Dalla Torre, 1897:540 (in catalog of world Sphecidae); J. Smith, 1910:680 (in new list of insects of New Jersey); Brimley, 1938:446 (North Carolina: Raleigh, Tarboro); Maidl and Klima, 1939:90 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius denticulatus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera); Krombein, 1953a:334 (North Carolina), 1953b:123 (visiting foliage of *Quercus virginiana* Mill., Fagaceae), 125 (attracted to a grass), 133 (North Carolina: Kill Devil Hills); Krombein and Evans, 1954:234 (Florida), 1955:233 (Florida); Krombein, 1958f:193 (in supplement to catalog of North American Hymenoptera: Wisconsin), 1959e:196 (prey); Wray, 1967:123 (North Carolina: Kill Devil Hills); L. Davis, 1978:217 (North Carolina: Kill Devil Hills, data from Krombein, 1953a). – **As *Hoplisoides denticulatus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); Mickel, 1918b:354 (in catalog of Nebraskan Sphecidae); Evans, 1966b:56 (review of

behavioral observations by Krombein, 1959); R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Callan, 1977a:329 (Trinidad: Saint Augustine); Ahlstrom, 1995:112 (in checklist of insects of North Carolina); Krombein, 1979b:1700 (in catalog of North American Hymenoptera); Hanson and Menke, 1995:645 (known from Costa Rica); R. Bohart, 1997b:651 (in revision of North American *Hoplisoidea*), 2000:227 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species); Starr and Hook, 2003:18 (in catalog of Aculeata of Trinidad, West Indies).

Gorytes barbatulus Handlirsch, 1888b:408, ♀, ♂. Syntypes: USA: Illinois and Texas: no specific localities (MHNG); Louisiana: New Orleans (coll. von Schulthess, Zurich). Synonymized with *Hoplisoidea denticulatus* by R. Bohart in R. Bohart and Menke, 1976:521. – W. Fox, 1896a:530 (in revision of North American *Gorytes*); Dalla Torre, 1897:537 (in catalog of world Sphecidae); nec H. Smith, 1908:344 (= *Hoplisoidea confertus*); Mickel, 1918b:354 (in catalog of Nebraskan Sphecidae); Bradley, 1920:115 (USA: Georgia); Maidl and Klima, 1939:89 (in catalog of world Astatinae and Bembicinae); Dollfuss, 1989:10 (type material in NHMW). – **As *Hoplisoidea barbatulus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae). – **As *Psammaecius barbatulus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera).

Gorytes hypenetes Handlirsch, 1895:894, ♂. Syntypes: ♂, "Columb.", probably Colombia: no specific locality, and "mexicanus Laguaira" (ZMHU), synonymized with *Hoplisoidea denticulatus* by R. Bohart, 1997b:651. – Dalla Torre, 1897:543 (in catalog of world Sphecidae); Maidl and Klima, 1939:91 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoidea denticulatus hypenetes***: R. Bohart in R. Bohart and Menke, 1976:521 (new generic assignment, new status, in checklist of world Sphecidae).

21. *diversus* (W. Fox)

Gorytes diversus W. Fox, 1896a:527, ♀, ♂. Syntypes: USA: California: Los Angeles (USNM). – Maidl and Klima, 1939:101 (in catalog of world Astatinae and Bembicinae, in subgenus *Hoplisus*). – **As *Hoplisus diversus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae). – **As *Psammaecius diversus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera). – **As *Hoplisoidea diversus***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1700 (in catalog of North American Hymenoptera); R. Bohart, 1997b:651 (in revision of North American *Hoplisoidea*).

22. *dominicanus* R. Bohart

Hoplisoidea dominicanus R. Bohart, 2000:228, ♂. Holotype: ♂, Dominican Republic: Playa Portuero (UCD). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

23. *elotae* R. Bohart

Hoplisoidea elotae R. Bohart, 1997b:651, ♀, ♂. Holotype: ♂, Mexico: Sinaloa: 8 mi. southeast of Elota (UCD). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

24. *emeryi* (Gribodo)

Hoplisus emeryi Gribodo, 1894c:130, ♂ (as *Emeryi*, incorrect original capitalization). Holotype: ♂, Mozambique: Magarra River (Mus. Zool. Univ. Bologna). – Tommasini and Marini, 1984:42 (type depository). – **As *Gorytes emeryi***: Handlirsch, 1895:889 (new generic assignment, original description copied); Dalla Torre, 1897:541 (in catalog of world Sphecidae); Maidl and Klima, 1939:87 (in catalog of world Astatinae and Bembicinae); Pennati and Mariotti, 2015:49 (in list of Hymenoptera described by G. Gribodo). – **As *Arpactus emeryi***: Arnold, 1929a:237 (new generic assignment, Gribodo's description from Handlirsch translated into English), 1930:18 (in checklist of Afrotropical Sphecidae). – **As *Hoplisoidea emeryi***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

25. eurynome (Arnold)

Gorytes eurynome Arnold, 1955:754, ♀, ♂. Holotype: sex not indicated, Lesotho: Mamathes (SAM). – **As *Hoplisoidea eurynome***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:38 (paratype in Bulawayo Museum).

26. feae (Handlirsch)

Gorytes feae Handlirsch, 1895:890, ♀ (as *Feae*, incorrect original capitalization). Holotype: ♀, Myanmar: Pegu (NHMW). – Dalla Torre, 1897:542 (in catalog of world Sphecidae); Cameron, 1900b:77 (not included in Bingham, 1897); Ramakrishna Aiyar, 1916:556 (in catalog of Indian aculeates described after Bingham, 1897, as *feoe*, in error, locality of origin as Pegu); Maidl and Klima, 1939:88 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoidea feae***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Amarante, 2002:15 (in catalog of Neotropical Crabronidae, in error); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru, in error).

27. ferrugineus (Spinola)

Hoplisus ferrugineus Spinola, 1839:497, ♂. Holotype or syntypes: ♂, Egypt: no specific locality (lost). Neotype: ♀, Egypt: Shubra (BMNH), designated by de Beaumont, 1952d:229. – **As *Gorytes ferrugineus***: Handlirsch, 1888:259 (new generic assignment; original description translated into German); Dalla Torre, 1897:542 (in catalog of world Sphecidae); Maidl and Klima, 1939:50 (in catalog of world Astatinae and Bembicinae); Grandi, 1957:385 (Libya: Tripolitania: Wadi Kaam); de Beaumont and Bytinski-Salz, 1959:102 (Israel); Pulawski, 1964:75 (Egypt: Kom Osheim). – **As *Hoplisoidea ferrugineus***: de Beaumont, 1952d:229 (new generic assignment, in revision of Mediterranean *Hoplisoidea*); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Guichard, 1980:229 (Oman); Nemkov, 1995c:133 (in key to *Hoplisoidea* of USSR); Gadallah and Assery, 2004a:220 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 227 (in catalog of Sphecidae of Saudi Arabia: south and west of Jeddah, Obhor north of Jeddah), 2004b:1397 (skeletal parts of sting apparatus); Roche, 2007a:115 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:8 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:542 (United Arab Emirates: Wadi Wurayah); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae); Gadallah, 2020b:30 (in list of aculeate wasps of Arabian Peninsula).

Gorytes imsganensis Nadig, 1933:90, ♂. Syntypes: ♂, Morocco: Agadir (originally coll. Nadig, now Zurich). Synonymized with *Hoplisoidea ferrugineus* by de Beaumont, 1952d:229. – Maidl and Klima, 1939:84 (in catalog of world Astatinae and Bembicinae).

28. floridicus R. Bohart

Hoplisoidea floridicus R. Bohart, 1968b:289, ♀, ♂. Holotype: ♂, USA: Florida: Orlando (UCD). – R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); R. Bohart, 1997b:653 (in revision of North American *Hoplisoidea*); Krombein, 1979b:1700 (in catalog of North American Hymenoptera).

29. fuscus (Taschenberg)

Hoplisus fuscus Taschenberg, 1875:368, ♀. Holotype or syntypes: ♀, Brazil: Rio de Janeiro (Halle). – Schrottky, 1913a:227 (Paraguay); Rohwer, 1916b:657 (in catalog of Hymenoptera of Connecticut). – **As *Gorytes fuscus***: Handlirsch, 1888b:377 (new generic assignment, revision), 1888c:68 (mimicry with *Nectarina lecheguana* Latreille, Vespidae, now *Brachygastra lecheguana*); Cameron, 1890a:72 (Yucatán, Guatemala); Handlirsch, 1895:875 (citation of Cameron, 1890a); W. Fox, 1896a:525 (in revision of North American *Gorytes*); Dalla Torre, 1897:542 (in catalog of world Sphecidae); W. Fox, 1897b:380 (Brazil: Santarém); W. Schulz, 1906:200 (Brazil: Santa Catarina: Teresópolis, mimicry with *Nectarina* wasps); Maidl and Klima, 1939:58 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisus fuscus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); Rohwer, 1916b:656 (in guide to the insects of Connecticut); Britton, 1920:338 (in checklist of insects of Connecticut); Rohwer in Viereck, 1925:656 (in key to Sphecidae of Connecticut). – **As *Hoplisoidea fuscus***: R. Bohart in R. Bohart

and Menke, 1976:521 (new generic assignment, raised from synonymy, in checklist of world Sphecidae); R. Bohart, 2000:228 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

30. *gazagnairei* (Handlirsch)

Gorytes gazagnairei Handlirsch, 1893a:CLVI, ♂, ♀ (as *Gazagnairei*, incorrect original capitalization). Syntypes: Algeria: Némours, now Ghazaouet (depository not indicated). – Handlirsch, 1895:885 (original description translated into Latin); Dalla Torre, 1897:542 (in catalog of world Sphecidae); Morice, 1911:112 (Algeria); von Schulthess, 1926b:216 (Tunisia, Libya); Guiglia, 1934b:301 (Libya: bibliography and summary of locality records); Maidl and Klima, 1939:84 (in catalog of world Astatinae and Bembicinae); de Beaumont, 1956a:188 (Libya). – **As *Hoplisoides gazagnairei***: de Beaumont, 1952d:227 (new generic assignment; in revision of Mediterranean *Hoplisoides*), 228 (nominotypical subspecies); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae); Ben Khedher, Yildirim, and Braham, 2022:7 (in checklist of Bembicinae of Tunisia).

ssp. *distinguendus* (Yasumatsu)

Gorytes distinguendus Yasumatsu, 1939e:12, ♀. Holotype: ♀, China: Heilongjiang: Changchu (Fukuoka). – Yasumatsu, 1942c:110 (China: Beijing), 1943:18 (China: Nei Mongol; description of ♂). – **As *Hoplisoides distinguendus***: Tsuneki, 1963a:2, 4 (in key to Gorytini of Japan and Korea), 10 (new generic assignment; in revision of Gorytini of Japan and Korea, China: Beijing), 1965c:30 (in key), 1967e:2 (China: Manchuria), 3 (China: Heilongjiang: Harbin); Kochetkov and Korsun, 2025:8 (Russia: Zabaikalskiy Krai: Dauriskiy Nature Reserve). – **As *Hoplisoides gazagnairei distinguendus***: Tsuneki, 1971m:11 (new status, China: Beijing: Tiendang), 1974a:361 (Korea); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Kazenas, 1980e:84 (Russia: Primorskiy Krai); Tsuneki, 1982b:18 (known from Korea); Paik, 1985:202 (in list of Sphecidae of Korea); Tsuneki, 1991:199 (Korea); Nemkov, 1995c:134 (in key to *Hoplisoides* of USSR), 135 (distribution in Soviet Union); Nemkov in Nemkov, Kazenas, Budrys, et Antropov, 1995:465 (in key to Sphecidae of Russian Far East); Wu and Zhou, 1996a:150 (in revision in Economic Insect Fauna of China); Hua, 2006:280 (in list of Chinese insects, geographic distribution); Nemkov, 2009b:139 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:447 (in catalog of Crabronidae of Russian Far East); J.-K. Kim, 2014:423 (in catalog of Sphecidae *sensu lato* of Korean Peninsula); Nemkov, 2017b:224 (in catalog of Bembicinae of Russia).

ssp. *maroccanus* (Dusmet)

Gorytes maroccanus Dusmet y Alonso, 1925:246, ♀. Holotype: ♀, Morocco: Rabat (MNCN?). – Maidl and Klima, 1939:85 (in catalog of world Astatinae and Bembicinae); de Beaumont, 1953g:108 (Morocco). – **As *Hoplisoides gazagnairei maroccanus***: de Beaumont, 1952d:227 (new generic assignment), 228 (new status, in revision of Mediterranean *Hoplisoides*); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae).

31. *glabratus* R. Bohart

Hoplisoides glabratus R. Bohart, 1968b:291, ♀, ♂. Holotype: ♂, USA: New Mexico: Granite Pass 18 mi. north of Rodeo (UCD). – R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Krombein, 1979b:1700 (in catalog of North American Hymenoptera, nesting sites, prey); R. Bohart, 1997b:653 (in revision of North American *Hoplisoides*); Ohl and Linde, 2003:150 (number of ovarioles).

32. *hamatus* (Handlirsch)

Gorytes hamatus Handlirsch, 1888b:403, ♂. Holotype: ♂, USA, Colorado: no specific locality (NHMW). – W. Fox, 1896a:529 (in revision of North American *Gorytes*); Dalla Torre, 1897:542 (in catalog of world Sphecidae); Cockerell, 1899a:143 (New Mexico); Maidl and Klima, 1939:90 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides hamatus***: Rohwer, 1917a:248 (new generic assignment, California: Tahoe). – **As *Psammaecius hamatus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American

- Hymenoptera). – **As *Hoplisoidea hamatus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Krombein, 1979b:1700 (in catalog of North American Hymenoptera, nesting sites, list of prey); Spofford, Kurczewski, and Downes, 1989:258, 259 (references to publications on nest parasites *Senotainia rubriventris* Macquart and *Senotainia trilineata* (Wulp), miltogrammine flies); R. Bohart, 1997b:653 (in revision of North American *Hoplisoidea*); Evans and O’Neil, 2007:60 (summary of information on nesting habits); Buck, 2007:75 (in revision of Canadian *Hoplisoidea*); Ratzlaff, 2016:24 (Canada: British Columbia: from Buck, 2007); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).
- Gorytes spilographus* Handlirsch, 1895:895, ♂. Holotype: ♂, North America: no specific locality (MHNG). Synonymized with *Hoplisoidea hamatus* by R. Bohart in R. Bohart and Menke, 1976:521. – Handlirsch, 1895:902 (reference to Cameron, 1890a); Dalla Torre, 1897:554 (in catalog of world Sphecidae); Ashmead, 1899d:329 (in checklist of North American Crabronidae, generic placement tentative); Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius spilographus***: Krombein in Muesebeck, Krombein, and Townes, 1951:991 (new generic assignment, in catalog of North American Hymenoptera). – **As *Hoplisoidea spilographus***: Evans, 1966d:46 (new generic assignment, nesting behavior), 1970:494 (Wyoming: Jackson Hole, nesting behavior, parasite: *Nyssus rusticus* Cresson).
- Hoplisoidea arizonensis* C. Baker, 1907:164, ♀. Holotype or syntypes: ♀, USA: Arizona: Prescott (originally Pomona College, now USNM). Synonymized with *Hoplisoidea hamatus* by R. Bohart in R. Bohart and Menke, 1976:521. – **As *Gorytes arizonensis***: Maidl and Klima, 1939:89 (new generic assignment, in catalog of world Astatinae and Bembicinae). – **As *Psammaecius arizonensis***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera).
- Gorytes adornatus* Bradley, 1920:115, ♀ (as *adornata*, incorrect original termination). Holotype: ♀, USA: California: Santa Cruz County: Felton (Cornell Univ.). Synonymized with *Hoplisoidea hamatus* by R. Bohart in R. Bohart and Menke, 1976:521. – Maidl and Klima, 1939:89 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius adornatus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera); Evans, 1959b:141 (description of larva); Powell and Chemsak, 1959b:195 (nesting behavior).
- As *Gorytes maculatus*: Provancher, 1888:140 (...), corrected to *Gorytes hamatus* by W. Fox, 1896a:529.

33. *helvolus* R. Bohart

- Hoplisoidea helvolus* R. Bohart, 2000:229, ♀, ♂. Holotype: ♀, Colombia: Antioquia: Río Porce (Kansas Univ.). – Amaranter, 2002:15 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

34. *homonymus* (W. Schulz)

- Gorytes politus* Bingham, 1897:275, ♀, junior primary homonym of *Gorytes politus* F. Smith, 1873. Holotype: ♀, India: Maharashtra: Bombay (BMNH). – Iwata, 1965:107 (number of oocytes).
- Gorytes homonymus* W. Schulz, 1906:200. Substitute name for *Gorytes politus* Bingham, 1897. – Ramakrishna Aiyar, 1916:556 (in catalog of Indian aculeates described after Bingham, 1897); Maidl and Klima, 1939:55 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoidea homonymus***: R. Bohart and Menke, 1976:521 (new combination, in checklist of world Sphecidae); Ohl and Linde, 2003:150 (number of ovarioles).

35. *iheringii* (Handlirsch)

- Gorytes iheringii* Handlirsch, 1893b:276, ♀ (as *Iheringii*, incorrect original capitalization). Holotype: ♀, Brazil: Rio Grande do Sul: no specific locality (NHMW). – Handlirsch, 1895:876 (original description copied); Dalla Torre, 1897:543 (in catalog of world Sphecidae); Maidl and Klima, 1939:58 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoidea iheringii***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Dollfuss, 1989:10 (type material in NHMW); R. Bohart, 2000:229 (in revision of Neotropical Gorytini);

Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Starr and Hook, 2003:18 (in catalog of Aculeata of Trinidad, West Indies).

Hoplisoides subcostalis R. Bohart, 1997b:658, ♀. Holotype: ♀, Panama: Canal Zone: Barro Colorado (USNM). Synonymized with *Hoplisoides iheringii* by R. Bohart, 2000:229.

36. *impiger* (Bingham)

Gorytes impiger Bingham, 1897:274, ♀. Holotype: ♀, Burma: Tenasserim (BMNH). – Maidl and Klima, 1939:55 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides impiger***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae, illegal designation of lectotype by R. Bohart).

37. *insularis* (Cresson)

Harpactus insularis Cresson, 1865a:146, ♀. Holotype: ♀, Cuba: no specific locality (IZAC). – Packard, 1867:444 (listed); Gundlach, 1886:137 (...); Ashmead, 1900:307 (in checklist of Caribbean Hymenoptera); Cresson, 1916:98 (holotype in Gundlach collection). – **As *Gorytes insularis***: Handlirsch, 1888b:394 (new generic assignment, original description translated into German); Dalla Torre, 1897:543 (in catalog of world Sphecidae); Maidl and Klima, 1939:59 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius insularis***: Pate, 1947h:93 (new generic assignment, recorded from Cuba); Alayo Dalmau, 1969:15 (in revision of Cuban Bembicinae), 1973:188 (in catalog of Cuban Hymenoptera). – **As *Hoplisoides insularis***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); Alayo Dalmau, 1976:13 (in key to Cuban *Hoplisoides*), 29 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); R. Bohart, 1997b:653 (in revision of North American *Hoplisoides*), 2000:230 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Genaro, 2006:52 (in checklist of Cuban Sphecidae and Crabronidae; also: Isla de la Juventud).

38. *intricans* Gribodo

Hoplisoides intricans Gribodo, 1884b:276, ♂. Holotype or syntypes: ♂, South Africa: Eastern Cape Province: Port Elizabeth (MSNG). – Gribodo, 1894c:132 (description of ♀); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Penati and Mariotti, 2015: 69 (in list of Hymenoptera described by G. Gribodo). – **As *Gorytes intricans***: Handlirsch, 1888b:541 (new generic assignment, original description copied), 1895:893 (Gribodo's, 1894 description of ♀ copied); Dalla Torre, 1897:543 (in catalog of world Sphecidae); Maidl and Klima, 1939:87 (in catalog of world Astatinae and Bembicinae). – **As *Arpactus intricans***: Arnold, 1929a:236 (new generic assignment, original description copied), 1930:18 (in checklist of Afrotropical Sphecidae).

39. *iridipennis* (F. Smith)

Gorytes iridipennis F. Smith, 1856:363, ♀. Holotype or syntypes: ♀, Brazil: Pará: Santarém (BMNH or OXUM). – Handlirsch, 1888b:533 (original description translated into German), 1895:877 (redescription of ♀); Dalla Torre, 1897:543 (in catalog of world Sphecidae); Ducke, 1907b:91 (Brazil: Maranhão State: São Luiz de Maranhão); Maidl and Klima, 1939:59 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides iridipennis***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Callan, 1977a:328 (nesting habits); Nascimento and Overal, 1980:6 (Brazil); Hanson and Menke, 1995:645 (known from Costa Rica); R. Bohart, 1997b:654 (in revision of North American *Hoplisoides*), 2000:230 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Starr and Hook, 2003:18 (in catalog of Aculeata of Trinidad, West Indies); Evans and O'Neil, 2007:61 (summary of information on nesting habits).

Gorytes fasciatiipennis Cameron, 1890a:75, [♀]. Holotype or syntypes: ♀, Mexico: Yucatán: Temax (BMNH). Synonymized with *Hoplisoides iridipennis* by R. Bohart in R. Bohart and Menke, 1976:521. – Handlirsch, 1895:949 (original description translated into German); Dalla Torre, 1897:541 (in catalog of world Sphecidae); Maidl and Klima, 1939:102 (in catalog of world Astatinae and Bembicinae, in subgenus *Hoplisus*). – **As *Hoplisus fasciatiipennis***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae).

Gorytes maculipennis Cameron, 1890a:73, [♀], junior secondary homonym of *Gorytes maculipennis* (Giraud, 1861) Handlirsch, 1888b:395. Holotype or syntypes: ♀, Panama: Bugaba (BMNH). Synonymized with *Hoplisoides iridipennis* by R. Bohart, 1997b:654. – Handlirsch, 1895:900 (original description translated into German). – **As *Hoplisus maculipes*** [sic]: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae). – **As *Hoplisoides maculipennis***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae).

Gorytes panamensis Maidl and Klima, 1939:91. Substitute name for *Gorytes maculipennis* Cameron, 1890. – **As *Hoplisoides panamensis***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

40. *jaumei* (Alayo Dalmau)

Psammaecius jaumei Alayo Dalmau, 1969:17, ♀. Holotype: ♀, Cuba: Pinar del Río: Rangel (IZAC). – Alayo Dalmau, 1973:188 (in catalog of Cuban Hymenoptera); Hidalgo-Gato González, Reyes Sánchez, Mestre Novoa, Fernández García, Rodríguez-León Merino, Rodríguez Velázquez, Genaro Artola, and Fontenla Rizo, 2002:29 (holotype kept at IZAC). – **As *Hoplisoides jaumei***: Alayo Dalmau, 1976:13 (new generic assignment, in key to Cuban *Hoplisoides*), 29 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Sánchez and J.A. Genaro, 1992:152 (nesting behavior); Reyes and Hernández, 1995:3 (holotype in Inst. Ecol. Sist., La Havana, Cuba); R. Bohart, 1997b:654 (in revision of North American *Hoplisoides*), 2000:231 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Genaro, 2006:52 (in checklist of Cuban Sphecidae and Crabronidae); Evans and O'Neil, 2007:61 (summary of information on nesting habits).

41. *jentinki* (Handlirsch)

Gorytes jentinki Handlirsch, 1895:891, ♀ (as *Jentinki*, incorrect original capitalization). Holotype or syntypes: ♀, Indonesia: Timor: no specific locality (RMNH). – Dalla Torre, 1897:543 (in catalog of world Sphecidae); W. Schulz, 1906:200 (reference to Handlirsch, 1896); Maidl and Klima, 1939:89 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides jentinki***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

Gorytes jentinki Handlirsch, 1896:108, ♀ (as *Jentinki*, incorrect original capitalization). Objective synonym of *Gorytes jentinki* Handlirsch, 1895.

42. *jibacoa* (Alayo Dalmau)

Psammaecius jibacoa Alayo Dalmau, 1969:12, ♀, ♂. Syntypes: Cuba: many localities (IZAC). – Alayo Dalmau, 1973:187 (in catalog of Cuban Hymenoptera); Hidalgo-Gato González, Reyes Sánchez, Mestre Novoa, Fernández García, Rodríguez-León Merino, Rodríguez Velázquez, Genaro Artola, and Fontenla Rizo, 2002:29 (syntypes kept at IZAC). – **As *Hoplisoides jibacoa***: Alayo Dalmau, 1976:13 (new generic assignment, in key to Cuban *Hoplisoides*), 29 (in checklist of Cuban Sphecidae); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Reyes and Hernández, 1995:3 (holotype in Inst. Ecol. Sist., La Havana, Cuba); R. Bohart, 1997b:654 (in revision of North American *Hoplisoides*), 2000:231 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Genaro, 2006:52 (in checklist of Cuban Sphecidae and Crabronidae).

43. *jordani* (Handlirsch)

Gorytes jordani Handlirsch, 1895:875, ♀, ♂ (as *Jordani*, incorrect original capitalization). Syntypes: Paraguay: no specific locality (NHMW, ZMHU). – Dalla Torre, 1897:543 (in catalog of world Sphecidae); Schrottky, 1903b:177 (in checklist of Hymenoptera of Argentina, Paraguay, and Uruguay); Maidl and Klima, 1939:59 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisus jordani***: Schrottky, 1913a:227 (new generic assignment, Paraguay). – **As *Hoplisoides jordani***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); R. Bohart, 2000:232 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae), 2005a:9 (correction to his 2002 catalog); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

Gorytes asuncionis Strand, 1910a:152, ♀. Syntypes: Paraguay: Asunción: Asunción and Villa Morra (ZMHU). Synonymized with *Hoplisoides jordani* by R. Bohart, 2000:232. – Strand, 1927:254 (in list of species described by the author); Maidl and Klima, 1939:57 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides asuncionis***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae).

44. *latifrons* (Spinola)

Gorytes latifrons Spinola, 1808:247, ♀. Lectotype: ♀, Italy: Liguria: no specific locality (Torino), designated by de Beaumont, 1952e:41. – Vander Linden, 1829:95 (bibliographic references, Italy: Genova); Gasperini, 1887:17 (recorded from Dalmatia, now Croatia, by Kirchner, 1869); Handlirsch, 1888b:400 (in revision of world Bembicinae); F. Morawitz, 1893b:420 (Uzbekistan: Pyandjikent); Handlirsch, 1895:884 (reference to Radoszkowski, 1891); Schmiedeknecht, 1896:149 (Algeria: Oran Province); Dalla Torre, 1897:544 (in catalog of world Sphecidae); Mocsáry, 1900:82 (Kingdom of Hungary, some localities are in today's Croatia); Antiga and Bofill, 1904:15 (Spain: Cataluña Province); E. Saunders, 1904c:607 (Spain: Mayorca); W. Schulz, 1905b:43 (Algeria); Mercet, 1906a:131, 138 (in key to Spanish *Gorytes*); Schmiedeknecht, 1907:218, 220 (in key to Hymenoptera of Central Europe); Dubois, 1920:88 (Belgium: Noville-sur-Méhaigne, to be confirmed), 1921c:200, 201, 203 (in key to Belgian Sphecidae); Gribodo, 1924a:262 (Libya: Derna); Berland, 1925d:88 (in Sphecid Fauna of France); Grandi, 1926:306 (nesting habits), 1927:198 (prey); Berland, 1928b:177 (add Grandi, 1926 to bibliography in Berland, 1925d); Schmiedeknecht, 1930:680, 682 (in keys to Hymenoptera of North and Central Europe); Dusmet y Alonso, 1931:8 (Portugal: Mitra); nec Nadig, 1933:90 (= *Hoplisoides punctuosus*); Guiglia, 1934b:300 (Libya: bibliography and summary of locality records); Crèvecoeur and Maréchal, 1936:253 (in catalog of Belgian Hymenoptera); Zavadil, Šusterka, and Bat'a, 1937:189 (in catalog of Sphecidae of Czechoslovakia); Kuntze and Noskiewicz, 1938:377 (in Poland known only from Podole region, now western Ukraine); Móczár, 1938c:81 (Hungary: Kőszeg Hills); Maidl and Klima, 1939:84 (in catalog of world Astatinae and Bembicinae); Móczár, 1939:5 (Hungary: Jászberény); Šnoflák in Zavadil and Šnoflák, 1948:68 (in key to Sphecidae of Czechoslovakia); Giner Marí, 1943a:172 (in Sphecid Fauna of Spain); Giordani Soika, 1944:9 (Italy: Sicilia: Fiumetorto); Balthasar, 1948:141 (Slovakia: Kovačov); de Beaumont, 1951g:307 (Italy); Grandi, 1954:148 (prey: several species of *Tettigometra*, Tettigometridae), 231 (Italy); Vogrin, 1955:35 (Yugoslavia); Ceballos, 1956:383 (in catalog of Hymenoptera of Spain); Bajári, 1957a:103, 104 (in key to Hungarian Sphecidae); de Beaumont, 1959a:21 (Italy); Diniz, 1959:30 (Portugal: Mitra); Suárez, 1959:56 (Spain: Almería Province); Diniz, 1960:31 (Portugal: Silves); Noskiewicz and Puławski, 1960:95, 96 (in key to Polish Sphecidae, not yet found in Poland); Grandi, 1961:110 (nesting habits); Ceballos, 1964:92 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1964c:50 (in Sphecid Fauna of Switzerland), 1965a:30 (Greece; citation of Handlirsch, 1888); Roberti, Frilli, and Pizzaghi, 1965:109 (Italy: Emilia-Romagna: Piacenza); Scobiola-Palade, 1966b:392 (Romania: Tulcea District: C.A. Rosetti); de Beaumont, 1967a:312 (Turkey); Scobiola-Palade, 1967b:48 (Romania), 1968b:142 (Romania: Island of Letea in delta of Danube); Benedek, 1979:230 (Hungary: Bakony Mountains); Balthasar, 1972:312 (in Sphecid Fauna of Czechoslovakia); Kazenas, 1978b:77 (in key to Sphecidae of Kazakhstan and Central Asia); Puławski, 1978:204 (in key to Sphecidae of European part of USSR); Scobiola-Palade, 1985:96 (Romania: delta of Danube); Pádr in Šedivý, 1989:167 (in checklist of Czechoslovakian Sphecidae). – **As *Hoplisus latifrons***: nec Dahlbom, 1843:164 and 1845:482 (new generic assignment, = *Gorytes quinquecinctus*); Eversmann, 1849:393 (Russia: Kazan' and Orenburg provinces, also southern Ural Mountains); Kiesenwetter, 1849:89 (Germany: Kingdom of Saxony, almost certainly a misidentification); A. Costa, 1867c:69 (in revision of Italian Sphecidae); Kirchner, 1867:220 (in catalog of European Hymenoptera); A. Costa, 1869b:85 (in revision of Italian Sphecidae); Aichinger, 1870:318 (Austria: Tirol); Dours, 1874:150 (in catalog of Hymenoptera of France); Radoszkowski, 1877:42 (Tajikistan: Zaravshan valley; Uzbekistan: between Syr-Darya and Tashkent); Marquet, 1881:182 (France: Haute-Garonne: Toulouse); E. Saunders, 1881:165 (Portugal: Silves); De-Stefani, 1895:227 (in catalog of Sicilian Hymenoptera); de Gaulle, 1908:120 (in catalog of French Hymenoptera); Maneval, 1935:75 (France: Haute-Loire: Puy), 1936:20 (nesting habits), 1937:163 (nesting habits, description of larva); Casolari and

Casolari Moreno, 1980:121 (specimens in M. Spinola collection, Torino); Pagliano, 2014:90 (specimen in M. Spinola collection, Torino, is *Gorytes* sp.), 91 (specimens in M. Spinola collection, Torino, are *Hoplisoidea latifrons*, *Psammaecius punctulatus*, and *Gorytes quadrifasciatus*). – **As *Psammaecius latifrons***: nec Radoszkowski, 1892:12 (new generic assignment, = *Gorytes quinquecinctus*); Evans and Lin, 1956b:45 (larva's description by Maneval, 1937). – **As *Hoplisoidea latifrons***: de Beaumont, 1952d:225 (new generic assignment, in revision of Mediterranean *Hoplisoidea*); Evans, 1966d:56 (review of behavioral information); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Leclercq, 1978b:map 1191 (distribution in Belgium); Pagliano, 1980:116 (Italy: Molise, Sicilia); Gayubo, 1982b:46 (Spain: Salamanca: Béjar); Dollfuss, 1983b:23 (in catalog of Sphecidae of Austria); Józán, 1985b:61 (Hungary: Kaposvár: Cser), 84 (ecological and zoogeographic characteristics); Gayubo and Sanza, 1986:79 (Spain: Burgos); Józán, 1986:374 (Hungary: Kiskunság National Park); Dollfuss, 1987:24 (Austria); Józán, 1989:102 (Hungary: Tihany Natural Reserve); Pagliano, 1990:73 (in catalog of Italian Sphecidae); Dollfuss, 1991:205 (in key to Sphecidae of North and Central Europe); Józán, 1992c:290 (Hungary: Zselic Hills); Pagliano, 1992:42 (in key to Italian Nyssoninae); Dollfuss, 1994:102 (endangered in Austria); Kazenas and Esenbekova, 1995:80 (Kazakhstan; bibliographic reference to leafhopper prey); Negrisola in Minelli, Ruffo, and La Posta, 1995b:5 (in catalog of Italian fauna); Nemkov, 1995c:134 (in key to *Hoplisoidea* of USSR), 135 (distribution in Soviet Union); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:227 (in Sphecidae Fauna of Western Europe); Dollfuss, Gusenleitner, and Bregant, 1998:523 (Austria: summary of collecting records from Burgenland); Pauly, 1999:111 (in catalog of Belgian aculeates); Józán, 2000:113 (Hungary: Bakony Mountains), 2001:281 (Hungary: Somogy County); Kazenas, 2001b:47 (in checklist of Sphecidae of Kazakhstan and Central Asia), 228 (review of known biology); Józán, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:125 (geographic distribution, collecting localities in Kazakhstan), 2004b:110 (Kazakhstan: western Tien Shan); Gayubo and Özbek, 2005:20 (Turkey: Erzincan); Pagliano and Negrisola, 2005:165 (in Sphecidae Fauna of Italy); Shorenko, 2005a:167 (Ukraine: Crimea), 2005b:98 (Ukraine: Crimea: Karadagh Nature Reserve); Straka, 2005a:394 (extinct in Czech Republic); Yildirim and Ljubomirov, 2005:1792 (Turkey: Kars: Sarıkamış); Józán, 2006:284 (Hungary: Balatonszemes, Cser, Gamás, Kaposvár, Kereki, Pecs), 2007:180 (Hungary: Zselic hills); G. Turrisi and R. Turrisi, 2007:117 (Italy: Sicilia: Mount Etna: Botanical Garden Nuova Gussonea and vicinity); Vepřek and Straka, 2007:208 (in catalog of Sphecidae of Czech Republic and Slovakia, known from Moravia and Slovakia only); Gayubo, González, Tormos, and Asís, 2008:137 (Spain: Salamanca: Parque Natural de Las Batuecas–Sierra de Francia); Ljubomirov and Yildirim, 2008:92 (in catalog of Crabronidae of Turkey); Baños-Picón, Asís, Gayubo, and Tormos, 2009:311 (Spain: frequency of specimens collected with hand nets and Malaise traps); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Shorenko, 2009:368 (in list of Sphecidae *sensu lato* of Crimea); Shorenko and Konovalov, 2010:15 (Crimea: Shchebetovka near Feodosiya); Józán, 2011:183 (in checklist of Sphecidae *sensu lato* of Hungary); Boillat, 2012:227 (Switzerland: in checklist of insects of Canton de Genève); Yildirim, 2012:76 (Turkey: Kars: Sarıkamış: Karakurt); Vieira, Oliveira, Brewster, and Gayubo, 2013:16 (Portugal: Douro International Natural Park); Baldock, 2014:359 (Spain: Island of Mallorca); Józán, 2014:132 (Croatia: Devičić Draga); Protsenko, Fateryga, and Ivanov, 2014:31 (Crimea: Karadagh Nature Reserve, Urozhaynoye in Simferopol' District); Yildirim, Ljubomirov, and Lelej, 2014:6 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:145 (in checklist of Hymenoptera of Turkey); Shorenko, 2015:339 (in list of Sphecidae *sensu lato* of Crimea); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:16 (Turkey: Kars Province); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:224 (in catalog of Bembicinae of Russia); Shorenko, 2017:80 (in Crimea collected in June, August, and September), 2018:130 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:12 (Azerbaijan: Nakhichevan Autonomous Republic); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:271 (in Sphecidae Fauna of Europe); Shorenko, 2020:50 (Crimea: Karadagh Nature Reserve); Cross, Baldock, and

Wood, 2021:28 (in catalog of Sphecidae *sensu lato* of Portugal); Kaplan and Yildirim, 2021:38 (in catalog of Crabronidae of Turkey), 2023:1681 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:427 (Uzbekistan: distribution).

Hoplisis pulchellus Wesmael, 1852:103, ♂, ♀. Syntypes: Switzerland: Genève (IRSN?). Synonymized with *Gorytes latifrons* by Handlirsch, 1888b:400. – A. Costa, 1867c:68 (in revision of Italian Sphecidae); Kirchner, 1867:220 (in catalog of European Hymenoptera); Palma, 1867:40 (Italy: Sicilia settentrionale); A. Costa, 1869b:84 (in revision of Italian Sphecidae); Wierzejski, 1874:259 (western Ukraine: Podole Region). – **As *Gorytes pulchellus***: F.Smith, 1856:362 (new generic assignment, in catalog of Hymenoptera in British Museum).

Hoplisis minutus Mocsáry, 1879:136, ♀, ♂. Syntypes: Hungary: Debrecen and Nagyvárád (TMB). Synonymized with *Gorytes latifrons* by Handlirsch, 1888b:400. – Haris, 2016:15 (in list of species described by S. Mocsáry from Carpathian Basin).

45. *liberiensis* (Arnold)

Arpactus liberiensis Arnold, 1936:6, ♀, ♂. Syntypes: Liberia: Moala (SAM). – **As *Gorytes liberiensis***: Maidl and Klima, 1939:88 (new generic assignment, in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides liberiensis***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

46. *manjikuli* Tsuneki

Hoplisoides punctatus manjikuli Tsuneki, 1963c:23, ♀. Holotype: ♀, Thailand: Chiangmai (Sasayama). – Iwata, 1964b:357 (nesting behavior in Thailand), 1965:107 (number of oocytes); Evans, 1966d:56 (review of observations by Iwata, 1964b). – **As *Hoplisoides manjikuli***: R. Bohart and Menke, 1976:521 (new status, in checklist of world Sphecidae); Ohl and Linde, 2003:150 (number of ovarioles).

47. *marshalli* (R. Turner)

Arpactus marshalli R. Turner, 1915:287, ♂. Holotype or syntypes: ♂, Zimbabwe: Chirinda Forest, Gazaland (BMNH). – Arnold, 1929a:239 (in revision of southern African Sphecidae), 1930:18 (in checklist of Afrotropical Sphecidae). – **As *Gorytes marshalli***: Maidl and Klima, 1939:88 (new generic assignment, in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides marshalli***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

48. *mendozanus* (Brèthes)

Gorytes mendozanus Brèthes, 1913:129, ♀. Holotype: ♀, Argentina: Mendoza: La Paz (MACN). – Maidl and Klima, 1939:59 (in catalog of world Astatinae and Bembicinae); Genise, 1990:26 (type material in MACN). – **As *Hoplisoides mendozanus***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); R. Bohart, 2000:232 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

49. *metapleura* R. Bohart

Hoplisoides metapleura R. Bohart, 2000:233, ♀, ♂. Holotype: ♀, Costa Rica: Guanacaste: 14 km south of Cañas (USU). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

50. *montivagus* (Arnold)

Gorytes thalia montivagus Arnold, 1951:125, ♀, ♂. Syntypes: Ethiopia: River Hawash (BMNH). – **As *Hoplisoides montivagus***: R. Bohart and Menke, 1976:521 (new generic assignment, new status, in checklist of world Sphecidae).

51. *mweruensis* (Arnold)

Gorytes mweruensis Arnold, 1952:471, ♀. Syntypes: Zambia: Lake Mweru and Zaire: Musosa (SAM, BMNH). – **As *Hoplisoides mweruensis***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

52. *nebulosus* (Packard)

- Gorytes nebulosus* Packard, 1867:422, ♀. Lectotype: ♀, USA: New Jersey: no specific locality (ANSP), designated by Cresson, 1928:48. – Cresson, 1887:279 (in catalog of North American Hymenoptera); Handlirsch, 1888b:411 (original description translated into German); W. Fox, 1896a:529 (in revision of North American *Gorytes*); Dalla Torre, 1897:548 (in catalog of world Sphecidae); J. Smith, 1900:521 (in list of insects of New Jersey), 1910:679 (in new list of insects of New Jersey); J.Ch. Bradley, 1920:115 (USA: Georgia), 1928:1015 (in catalog of New York Sphecidae); Brimley, 1938:446 (North Carolina: Havelock, Kingsboro, Raleigh); Maidl and Klima, 1939:91 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisus nebulosus***: Rohwer, 1916b:656 (new generic assignment, in catalog of Hymenoptera of Connecticut); Stevens, 1917:421 (North Dakota); Britton, 1920:338 (in checklist of insects of Connecticut); Rohwer in Viereck, 1925:656 (in key to Sphecidae of Connecticut: Branford, New Haven, Scotland); Peckham, 1934b:259 (digging in sand). – **As *Psammaecius nebulosus***: Krombein, 1950a:271 (new generic assignment, North Carolina: Dare County); Krombein in Muesebeck, Krombein, and Townes, 1951:990 (as new generic assignment, in catalog of North American Hymenoptera); Krombein, 1953a:286 (nest and prey), 295 (visiting foliage of *Pinus serotina* Michx., Pinaceae), 297 (visiting foliage of *Liquidambar styraciflua* L., Altingiaceae), 335 (North Carolina), 1953b:122 (visiting foliage of *Quercus marilandica* Muenchh.), 123 (visiting foliage of *Quercus virginiana* Miller, Fagaceae), 133 (North Carolina: Kill Devil Hills); Evans and Lin, 1956b:45 (description of larva); Krombein, 1958f:194 (in supplement to catalog of North American Hymenoptera: description of larva by Evans and Lin, 1956a reported; prey: *Ceresa palmeri* Van Duzee, a membracid), 1959e:196 (prey); Evans, 1963:fig. 2 after p. 38 (photograph of female with prey), fig. 3 (nest content with egg of a *Nysson*); Wray, 1967:123 (North Carolina: Kill Devils Hills); L. Davis, 1978:217 (North Carolina: Kill Devil Hills, data from Krombein, 1953a). – **As *Hoplisoides nebulosus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); Harrington, 1902:223 (Canada: Ontario: Ottawa); Pate, 1946h:99 (prey: immature membracid); Evans, 1966d:34 (nesting habits), 1975a:263 (slow colonizer of new habitats); Steiner, 1986:109 (references to publications on nesting habits); Buck, 2004:27 (Canada: in checklist of Crabronidae of Ontario), 68 (full species status), 2007:68 (in revision of Canadian *Hoplisoides*, full species status); Nemkov, 2012b:120 (review of known prey); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, British Columbia, New Brunswick, Ontario, Prince Edward Island, Quebec, Saskatchewan, first records from Manitoba and Nova Scotia: no specific locality). – **As *Hoplisoides placidus nebulosus***: R. Bohart in R. Bohart and Menke, 1976:521 (new status, in checklist of world Sphecidae); Krombein, 1979b:1701 (in catalog of North American Hymenoptera, nesting sites, list of prey); Finnamore, 1982:226 (in Sphecid Fauna of southern Quebec); Ahlstrom, 1995:112 (in checklist of insects of North Carolina); R. Bohart, 1997b:656 (in revision of North American Hoplisoides).
- Gorytes armatus* Provancher, 1887:272, ♀, actually ♂ (M. Buck, 3 Apr 2003, pers. comm.). Lectotype: ♀, Canada: Ontario: Ottawa (Laval Univ.), designated by Gahan and Rohwer, 1917:427. Synonymized with *Gorytes placidus nebulosus* by R. Bohart in R. Bohart and Menke, 1976:521. – Handlirsch, 1895:897 (original description translated into German); W. Fox, 1896a:530 (in revision of North American *Gorytes*); Dalla Torre, 1897:537 (in catalog of world Sphecidae); Maidl and Klima, 1939:89 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides armatus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae). – **As *Psammaecius armatus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera).
- Philanthus harringtonii* Provancher, 1888:278, sex not indicated. Holotype: ♂ (as indicated by description), Canada: Ontario: Ottawa (not located: Gahan and Rower, 1918:134; Laval Univ., now destroyed: M. Buck, 2007:69). Neotype: ♀, Canada: Ontario: Ottawa (CNC), designated by Buck, 2007:69. Synonymized with *Gorytes placidus nebulosus* by R. Bohart in R. Bohart and Menke, 1976:521. – Kohl, 1891:368 (in list of *Philanthus*); Dalla Torre, 1897:487 (in catalog of world Hymenoptera); Strandtmann, 1946:99 (unrecognizable species); Burks in Muesebeck, Krombein, and Townes, 1951:1002 (in catalog of North American Hymenoptera).
- Gorytes microcephalus* Handlirsch, 1888b:405, ♂. Lectotype: ♂, USA: Georgia: no specific locality (MHNG), designated by Buck, 2007:73. Synonymized with *Gorytes placidus nebulosus* by R. Bohart in R. Bohart and Menke,

1976:521, and with *Hoplisoides placidus pergandei* by Buck, 2007:73. – W. Fox, 1891e:196 (New Jersey); Handlirsch, 1895:894 (Fox's opinion about this species status mentioned); W. Fox, 1896a:529 (in revision of North American *Gorytes*); Dalla Torre, 1897:546 (in catalog of world Sphecidae); J. Smith, 1910:680 (in new list of insects of New Jersey); Maidl and Klima, 1939:91 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides microcephalus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); H. Smith, 1908b:344 (in revision of Nebraskan Sphecidae); Mickel, 1918b:354 (in catalog of Nebraskan Sphecidae); Dollfuss, 1989:10 (type material in NHMW). – **As *Hoplisus microcephalus***: J. Smith, 1900:521 (new generic assignment, in list of insects of New Jersey). – **As *Psammaecius microcephalus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera).

ssp. *spilopterus* (Handlirsch)

Gorytes spilopterus Handlirsch, 1888b:414, ♀. Syntypes: USA: Nevada: no specific locality (NHMW). – Cameron, 1890a:77 (Mexico: northern Sonora); W. Fox, 1894c:106 (Mexico: Baja California), 1896a:530 (in revision of North American *Gorytes*); Dalla Torre, 1897:554 (in catalog of world Sphecidae); Cockerell, 1899a:143 (New Mexico); Snow, 1906:134 (Arizona); Bradley, 1920:117 (in key to *Gorytes spilopterus* and three similar species); Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius spilopterus***: Strickland, 1947:127 (new generic assignment, Canada: Alberta: Lethbridge, Medicine Hat); Krombein in Muesebeck, Krombein, and Townes, 1951:991 (in catalog of North American Hymenoptera). – **As *Hoplisoides spilopterus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); Johnson and Ledig, 1918:24 (California: Claremont); Mickel, 1918b:354 (in catalog of Nebraskan Sphecidae); Carter, 1925:131 (Canada: Alberta: Lethbridge; determination tentative); Pate, 1946h:99 (prey: *Stictocephala wickhami* Van Duzee, a membracid); Evans, 1966d:55 (nesting behavior); G. Bohart, Nye, and Hawthorn, 1970:48 (Utah: Logan, onion pollinator); Evans, 1970:494 (Wyoming: Yellowstone National Park); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Krombein, 1979b:1701 (in catalog of North American Hymenoptera, nesting sites, list of prey); Dollfuss, 1989:10 (holotype in NHMW); R. Bohart, 1997b:657 (in revision of North American *Hoplisoides*); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument). – **As *Hoplisoides nebulosus spilopterus***: Buck, 2007:72 (new status, in revision of Canadian *Hoplisoides*); Ratzlaff, 2016:24 (Canada: British Columbia: from Buck, 2007).

Gorytes maculatus Provancher, 1895:140, ♀. Lectotype: ♂ [sic], USA: California: Los Angeles (Laval Univ.), designated by Gahan and Rohwer, 1917:427. Synonymized with *Hoplisoides spilopterus* by R. Bohart in R. Bohart and Menke, 1976:521 (as *maculatus* Handlirsch). – Nec Provancher, 1888:140 (= *Hoplisoides hamatus*); Krombein, 1958f:193 (in supplement to catalog of North American Hymenoptera: is a valid species, not a synonym of *Psammaecius hamatus*).

Gorytes pogonodes Bradley, 1920:114, ♂. Holotype: ♂, USA: California: Tulare County: Lemon Cove (Cornell Univ.). Synonymized with *Hoplisoides spilopterus* by R. Bohart in R. Bohart and Menke, 1976:521. – Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius pogonodes***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera).

53. *niger* R. Bohart

Hoplisoides niger R. Bohart, 1997b:654, ♀. Holotype: ♀, Puerto Rico: Maracao (USNM). – R. Bohart, 2000:234 (in revision of Neotropical *Gorytini*); Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

54. *nigripes* R. Bohart

Hoplisoides nigripes R. Bohart, 2000:234, ♀. Holotype: ♀, Ecuador: Napo: Limoncocha (UCD). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

55. *notialis* R. Bohart

Hoplisoides notialis R. Bohart, 2000:235, ♂. Holotype: ♂, Argentina: Tucumán: Amaicha (UCD). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

56. *orientalis* (Handlirsch)

Gorytes tricolor F. Smith, 1875:40, ♀, ♂, junior primary homonym of *Gorytes tricolor* Cresson, 1868. Syntypes: India: no specific locality (OXUM). – Bingham, 1897:275 (as synonym of *Gorytes pictus*). – **As *Hoplisus tricolor***: Casolari and Casolari Moreno, 1980:121 (new generic assignment, specimens in M. Spinola collection, Torino).

Gorytes orientalis Handlirsch, 1888b:537. Substitute name for *Gorytes tricolor* F. Smith. – Handlirsch, 1888b:537 (original description of *Gorytes tricolor* F. Smith translated into German); Cameron, 1890b (redescription; India: Bengal: Barrackpore); Handlirsch, 1895:892 (Cameron's redescription translated into German); Dalla Torre, 1897:549 (in catalog of world Sphecidae); Maidl and Klima, 1939:89 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides orientalis***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

57. *ovatus* R. Bohart

Hoplisoides ovatus R. Bohart, 2000:235, ♀. Holotype: ♀, Costa Rica: Guanacaste: Finca Montezuma 3 km southeast of Río Naranja (USU). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

58. *parkeri* R. Bohart

Hoplisoides parkeri R. Bohart, 1997b:655, ♀, ♂. Holotype: ♂, Mexico: Sinaloa: 4 mi. northwest of Choix (UCD). – R. Bohart, 2000:236 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Horta-Vega, Vanoye-Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo).

59. *peruvicus* R. Bohart

Hoplisoides peruvicus R. Bohart, 2000:236, ♀, ♂. Holotype: ♀, Peru: La Libertad: Samne 40 km northeast of Trujillo (IML). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

60. *philippinicus* Tsuneki

Hoplisoides philippinicus Tsuneki in Tsuneki et al, 1992c:5, ♂. Holotype: ♂, Philippines: Mindanao: Bukidnon, Talakag (USNM). – Nuhn and Menke, 1994:26 (holotype in USNM).

61. *pictus* (F. Smith)

Gorytes pictus F. Smith, 1856:365, ♀. Holotype or syntypes: ♀, India: Madras, now Chennai: no specific locality (BMNH). – Handlirsch, 1888b:537 (original description translated into German); Cameron, 1890b:240 (*Gorytes pictus* may be a variety of *G. orientalis*); Handlirsch, 1895:893 (Cameron's opinion mentioned); Bingham, 1897:275 (redescription); Dalla Torre, 1897:549 (in catalog of world Sphecidae); Rothney, 1903:105 (India: West Bengal: Barrackpore), 113 (collected in shadowed bank of fine earth near Pulta); Maidl and Klima, 1939:89 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides pictus***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae, incorrectly synonymized *Hoplisoides capitatus*); Krombein, 1985a:27 (Sri Lanka, India, Pakistan; redescription).

62. *placidus* (F. Smith)

Gorytes placidus F. Smith, 1856:368, ♀, ♂. Syntypes: USA: eastern Florida: no specific locality (BMNH). – Cresson, 1862:235 (in catalog of North American Hymenoptera); Packard, 1867:432 (listed); Cresson, 1887:279 (in catalog of North American Hymenoptera); Handlirsch, 1888b:530 (original description translated into German); W. Fox, 1896a:530 (in revision of North American *Gorytes*); Dalla Torre, 1897:550 (in catalog of world Sphecidae); Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius placidus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera). – **As *Hoplisoides placidus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American

Crabronidae); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Krombein, 1979b:1701 (in catalog of North American Hymenoptera); Spofford, Kurczewski, and Downes, 1989:259 (reference to publication on nest parasite *Senotainia trilineata* (Wulp), a miltogrammine fly); Kurczewski and Acciavatti, 1990:61 (New York: Cayuga County); R. Bohart, 1997b:655 (in revision of North American *Hoplisoides*); Deyrup and Eisner, 2003:522 (a Floridian, red-marked species); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Ontario, Quebec, Saskatchewan, first record from Manitoba: no specific locality).

Gorytes rufipes F. Smith, 1856:369, ♀. Holotype or syntypes: ♀, USA: Florida: St. John's Bluff, now Jacksonville (BMNH). Synonymized with *Hoplisoides placidus* by Ashmead, 1899d:328. – Cresson, 1862:235 (in catalog of North American Hymenoptera); Packard, 1867:432 (listed); Cresson, 1887:279 (in catalog of North American Hymenoptera).

ssp. birkmanni (C. Baker)

Gorytes birkmanni C. Baker, 1907:166, ♀ (as *Birkmanni*, incorrect original capitalization). Holotype or syntypes: ♀, USA: Texas: Lee County: Fedor (originally Pomona College, now USNM). Synonymized with *Gorytes placidus nebulosus* by R. Bohart, 1997b:658. – Maidl and Klima, 1939:89 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius birkmanni***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera). – **As *Hoplisoides placidus birkmanni***: R. Bohart in R. Bohart and Menke, 1976:521 (new generic assignment, new status, in checklist of world Sphecidae); Krombein, 1979b:1701 (in catalog of North American Hymenoptera); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); Buck, 2007:74 (subspecies status of *Hoplisoides placidus* confirmed).

Gorytes pruinosus C. Baker, 1907:166, ♀. Holotype or syntypes: ♀, USA: Texas: Lee County: Fedor (originally Pomona College, now USNM). Synonymized with *Gorytes placidus birkmanni* by R. Bohart in R. Bohart and Menke, 1976:521. – Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius pruinosus***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera).

ssp. pergandei (Handlirsch)

Gorytes pergandei Handlirsch, 1888b:407, ♂ (as *Pergandei*, incorrect original capitalization). Lectotype: ♂, USA: Illinois: no specific locality (MHNG), designated by Buck, 2007:73. – W. Fox, 1896a:529 (in revision of North American *Gorytes*); Dalla Torre, 1897:549 (in catalog of world Sphecidae); Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides pergandii* [sic]**: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae). – **As *Psammaecius pergandei***: Krombein, 1951a:143 (new generic assignment, Virginia: Dunn Loring; visiting tulip-tree honeydew); Krombein in Muesebeck, Krombein, and Townes, 1951:990 (as new generic assignment, in catalog of North American Hymenoptera); Krombein, 1952a:95 (USA: Virginia: Westmoreland State Park), 1958f:193 (in supplement to catalog of North American Hymenoptera: as new synonym of *Psammaecius armatus* (Provancher)). – **As *Hoplisoides placidus pergandei***: Buck, 2004: 27 (new status, Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 67 (first record from Canada: Ontario, Quebec: list of localities), 2007:73 (as new status, in revision of Canadian *Hoplisoides*).

63. projectus R. Bohart

Hoplisoides projectus R. Bohart, 1968b:290, ♀, ♂. Holotype: ♂, USA: California: Merced County: Los Banos (CAS). – R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); R. Bohart, 1997b:656 (in revision of North American *Hoplisoides*); Krombein, 1979b:1701 (in catalog of North American Hymenoptera).

64. punctifrons (Cameron)

Gorytes punctifrons Cameron, 1890a:74, ♀. Holotype or syntypes: ♀, Mexico: Presidio (BMNH). – Handlirsch, 1895:898 (original description translated into German). – Dalla Torre, 1897:551 (in catalog of world Sphecidae); Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides punctifrons***: R. Bohart

and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1701 (in catalog of North American Hymenoptera); R. Bohart, 1997b:656 (in revision of North American *Hoplisoidea*); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Buck, 2007:76 (in revision of Canadian *Hoplisoidea*); Ratzlaff, 2016:24 (Canada: British Columbia: from Buck, 2007); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, British Columbia, Saskatchewan: no specific locality).

Gorytes gulielmi Viereck, 1908:408, ♀, actually ♂ (R. Bohart, 1997b:656). Holotype: ♂, USA: Arizona: Bill William's Fork (Kansas Univ.). Synonymized with *Hoplisoidea punctifrons* by R. Bohart in R. Bohart and Menke, 1976:521. – Maidl and Klima, 1939:90 (in catalog of world Astatinae and Bembicinae); LaBerge, 1956:526 (holotype in Snow Entomological Museum). – **As *Psammaecius gulielmi***: Krombein in Muesebeck, Krombein, and Townes, 1951:990 (new generic assignment, in catalog of North American Hymenoptera); Horning and Barr, 1970:105 (USA: Idaho: Craters of the Moon National Monument).

65. *punctuosus* (Eversmann)

Hoplisoidea punctuosus Eversmann, 1849:393, ♀, ♂. Lectotype: ♀, Russia: Spasskoye 120 km east of Orenburg (ZIN), designated by Nemkov, 1995c:134. – Schenck, 1857:171 (in revision of fossorial wasps of Nassau Region, Germany), 1860:148 (Germany: Nassau Region); Funk, 1864:156 (Germany: Bayern: Bamberg); Kirchner, 1867:220 (in catalog of European Hymenoptera); nec Wierzejski, 1868:117 (= *Gorytes quinquecinctus*); Schmiedeknecht, 1876:186 (Germany: Thüringen: Rothensteiner Felsen); De-Stefani, 1895:228 (in catalog of Sicilian Hymenoptera); de Gaulle, 1908:120 (in catalog of French Hymenoptera, as *punctuosus* Handlirsch). – **As *Gorytes punctuosus***: Handlirsch, 1888b:395 (new generic assignment, in revision of world Bembicinae); Gasperini, 1889:69 (Dalmatia: Island of Lesina, now Croatia: Island of Hvar); F. Morawitz, 1891a:218 (Russia: Astrakhan Government), 1894:358 (Turkmenistan: Chuli); Krieger, 1894:8 (Germany: Kingdom of Saxony); Dalla Torre, 1897:551 (in catalog of world Sphecidae); Handlirsch, 1895:883 (as species distinct from *punctatus* Kirschbaum, redescription); de Cobelli, 1900c:188 (Italy: Trentino: Rovereto, preying on *Tettigometra obliqua* Panzer, Tettigometridae); Ferton, 1901a:105 (nesting habits), 106 (list of prey), 107 (preying on Fulgoridae); de Cobelli, 1903:112 (Italy: Province of Trentino: Rovereto); Ferton, 1908:558 (habitat and nest structure, prey); Graeffe, 1911:46 (Italy: Trieste area); Wnukowski, 1927:32 (Russia: Western Siberia: village Kornilovo at 53°57'N 81°10'E); Bischoff, 1933:4 (Morocco); Grandi, 1934:129 (Italy: Lazio: Acilia, as *punctuosus* Handlirsch); Maidl and Klima, 1939:87 (in catalog of world Astatinae and Bembicinae); Zirmgibl, 1957:181 (Germany: Rheinland-Pfalz: Birkenheide); Puławski, 1965c:571 (synonymy); de Beaumont, 1967a:312 (Turkey), 1969a:85 (Turkey); Oehlke, 1970:691 (Democratic Germany); Schmidt, 1971b:28 (Germany: recorded from Mombach by Kirschbaum, 1953); Kazenas, 1978b:78 (in key to Sphecidae of Kazakhstan and Central Asia); Puławski, 1978:204 (in key to Sphecidae of European part of USSR); Preuss, 1980a:23 (Germany; endangered, nesting in dry soils); Scobiola-Palade, 1987:65 (Romania: Dobrogea); Pádr in Šedivý, 1989:167 (in checklist of Czechoslovakian Sphecidae); Delarze, 1992:68 (Switzerland: Valais: Les Follatères); Eroğlu and Yüksel, 2019:5230 (Turkey: recorded from Niğde Province by de Beaumont, 1967, but not rediscovered since then). – **As *Hoplisoidea punctuosus***: Dietrich, 1868:363 (new generic assignment, Switzerland: Zurich Canton); de Beaumont, 1952d:224 (discussion of identity); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Schmidt, 1979b:352 (Germany: Baden-Württemberg); Pagliano, 1980:116 (Italy: Lombardia); Gayubo, 1882e:107 (Spain: Cádiz Province); Dollfuss, 1983b:23 (in catalog of Sphecidae of Austria: Niederösterreich: Guntramsdorf); Józán, 1985b:61 (Hungary: Pécs: Cserkút), 72 (map of distribution in Hungary), 84 (ecological and zoogeographic characteristics); Westrich and Schmidt, 1985b:111 (Germany: extinct in Baden-Württemberg); Gayubo, 1986a:65 (Spain: Ciudad Real Province), 1986d:120 (Spain: Zamora Province); Gayubo and Sanza, 1986:79 (Spain: Burgos); Schmidt and Westrich, 1987:359 (Germany: Mainz area); Jacobs, 1989:27 (Germany: Mecklenburg-Vorpommern); Jacobs and Oehlke, 1990:122 (not collected in Democratic Germany after 1960), 214 (previous records from Democratic Ger-

many); Pagliano, 1990:73 (in catalog of Italian Sphecidae); Schwammberger and Priesner, 1990:553 (Austria: Kärnten); Day, 1991:xv (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:205 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:416 (Italy: Calabria: Rossano); Józán, 1992b:176 (Hungary: Boronka-melléki Protected Area), 1992c:290 (Hungary: Zselic Hills); Pagliano, 1992:42 (in key to Italian Nyssoninae); K. Weber, 1992:87 (Germany: Bayern: Bamberg District); Dollfuss, 1994:99 (endangered in Austria); Kazenas and Esenbekova, 1995:80 (Kazakhstan; bibliographic reference to leafhopper prey); Negrisoló *in* Minelli, Ruffo, and La Posta, 1995b:5 (in catalog of Italian fauna); Nemkov, 1995c:134 (in key, distribution in former Soviet Union); Scharrer, 1995:29 (Germany: Bayern: Kahl); Schmid-Egger, Risch, and Niehuis, 1995:189 (Germany: summary of records from Rheinland-Pfalz); Gusenleitner, 1996a:10 and 1996b:812 (Austria: Burgenland, Steiermark); Schmid-Egger, Schmidt, and Doczkal, 1996:377 (Germany: Baden-Württemberg: last collected in 1952); Asís, Gayubo, and Tormos, 1997a:2 (description of adult larva); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:228 (in Sphecidae Fauna of Western Europe); Celary, 1997:60 (in checklist of Animals of Poland); Pagliano and Alma, 1997:179 (known prey listed); Schmidt and Schmid-Egger, 1997:16 (in checklist of German Sphecidae); F. Burger, Saure, and Oehlke, 1998:28 (Germany: in list of Sphecidae of Brandenburg), 32 (extinct); Dollfuss, Gusenleitner, and Bregant, 1998:523 (Austria: summary of collecting records from Burgenland); Józán, 1998:307, 312 (Hungary: Duna-Dráva National Park); K. Weber, 1998:141 (Germany: Bayern: Bamberg area); Blösch, 2000:387 (in Sphecidae Fauna of Germany); Gayubo, González, and Torres, 2000:187 (Spain: Salamanca Province); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:109 (Greece); Jacobs, 2000:8, 16 (Germany: Land Mecklenburg-Vorpommern: extinct); Józán, 2000:113 (Hungary: Bakony Mountains: Balatonfüzfő); Vicidomini, 2000b:24 (Italy: previously recorded from Campania); Edwards and Telfer, 2001:88 (Great Britain: only record from Island of Jersey needs confirmation: distribution, status, habitat, flight period, prey, nesting habits, flower visiting, parasites, and distribution map); Józán, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:47 (in checklist of Sphecidae of Kazakhstan and Central Asia), 228 (review of known biology); Kazenas and Esenbekova, 2001:136 (Kazakhstan: Almatinskiy Nature Reserve); Ohl et al., 2001:139 (distribution in Germany by provinces); Józán, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:125 (geographic distribution, collecting localities in Kazakhstan); Generani, Pagliano, Scaramozzino, and Strumia, 2003:64 (Italy: Arcipelago Toscano); Mandery, Kraus, Voith, Wickl, Scheuchl, Schubert, and Warncke, 2003:66 (Germany: in catalog of wasps and bees of Bayern); Schmid-Egger, 2003:754 (Italy: Sicilia: Armerina, Gela, Linguaglossa, Madonie, Ragusa); Wickl, Voith, Mandery, Weber, Kraus, Bausenwein, and Blösch, 2003:195 (Germany: Bayern: extinct or no longer collected); Kazenas, 2004b:110 (Kazakhstan: western Tien Shan); Shkuratov, 2004a:75 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzei-Zapovednik M.A. Sholokhova); Skibińska *in* Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:356 (in catalog of Polish Crabronidae); Stolle et al., 2004:371 (Germany: Sachsen-Anhalt: last collected before 1942); Wiśniowski, 2004:52 and 62 (in checklist of Polish Sphecidae); Burger, 2005:33 (Germany: Thüringen); Cruz-Sánchez, Gayubo, González, and Torres, 2005:220 (Spain: Salamanca: San Martín del Castañar); Gayubo and Özbek, 2005:20 (Turkey: Erzincan; Erzurum: University campus, Palandöken, Güzelova, Oltu); Jacobs, 2005a:447 (Bulgaria: Starosel near Hissarya); Pagliano and Negrisoló, 2005:165 (in Sphecidae Fauna of Italy); Straka, 2005a:394 (extinct in Czech Republic); Magdalou, 2006b:109 (France: Pyrénées-Orientales: Mas Larrieu Nature Reserve near Argelès-sur-Mer), 2006c:8 (France: Pyrénées-Orientales: Réserve Naturelle du Mas-Larrieu); Standfuss and Standfuss, 2006c:305 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Baghirov, 2007:93 (Russia: southwestern Siberia); Burguet, 2007:unnumbered p. 12 (France: Puy-de-Dôme: sands Girauds-Faures in Orléat commune); Evans and O'Neil, 2007:62 (summary of information on nesting habits); Jacobs, 2007:178 (in key to Crabronidae of Germany); Józán, 2007:180 (Hungary: Zselic hills); Saure, 2007:82 (Germany: in checklist of Aculeata of Brandenburg); Vepřek and Straka, 2007:208 (in catalog of Sphecidae of Czech Republic and Slovakia); G. Turrisi and R. Turrisi, 2007:117 (Italy: Sicilia: Mount Etna: Botanical Garden Nuova Gussonea and vicinity); Danilov and Tshernyshev, 2008:42 (Russia: Novosibirsk Oblast': Karasuk area); Gayubo, González, Tormos, and Asís, 2008:137 (Spain: Salamanca: Parque Natural de Las Batuecas-Sierra de Francia); Livory, Chevin, Lair, Sagot, and Baldock, 2008:36

(France: Département de la Manche); Ljubomirov and Yildirim, 2008:92 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2008c:10 (Russia: first record from Kemerovo Oblast': Yurga); Baños-Picón, Asís, Gayubo, and Tormos, 2009:311 (Spain: frequency of specimens collected with hand nets and Malaise traps); Gayubo, González, Tormos, and Asís, 2009:365 (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); Nemkov, 2009b:139 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Pagliano, 2009:178 (Italy: Molise: Campolieto; Sardegna: Platamona); Shorenko, 2009:368 (in list of Sphecidae *sensu lato* of Crimea); Bitsch, 2010:114 (in supplement to vol. II of Faune de France, 1997: reference to description of larva; France: first record from Landes: 7 km south of Castets); Mokrousov, 2010a:61 (Russia: Nizhniy Novgorod Oblast': no specific localities), 2010b:100 (Russia: Nizhniy Novgorod Oblast': no specific locality); Schmid-Egger, 2010a:16 (in red list of Aculeata of Germany: extremely rare); Baghirov, 2011b:142 (Russia: Altayskiy Kray: Savvushka); Burger, 2011a:287 (Germany: in red list of Sphecidae *sensu lato* of Thüringen); Gogala, 2011:28 (Slovenia); Józán, 2011:183 (in checklist of Sphecidae *sensu lato* of Hungary); Murai and Amr, 2011:119 (recorded from Syria by El Hariri, 1968, 1971); Tischendorf, Frommer, Flügel et al., 2011:182 (Germany: Hessen: may have occurred there in the past); Boillat, 2012:227 (Switzerland: in checklist of insects of Canton de Genève); Burguet in Durand and Burguet, 2012:3 (France: Puy-de-Dôme: sands Girauts-Faures in Orléat commune); Nemkov, 2012b:120 (review of known prey); Prisniy, 2012:51 (Russia: Belgorod Oblast'); Yildirim, 2012:76 (Turkey: Adiyaman: Nemru; Erzurum: Oltu: Sarisaz); Kazenas, 2013a:113, 114 (color photographs of adult wasps, short information on geographic distribution and nesting habits), 2013b:498 (southeastern Kazakhstan: 9 km north of Kokpek); A. Scholz and Liebig, 2013:20 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Bitsch, 2014:399 (record from France by van der Smissen, 2010b noted); Kazenas, 2014a:138 (Kazakhstan: Karatau Mountain Range); Protsenko, Fateryga, and Ivanov, 2014:31 (Crimea: several localities); Yildirim, Ljubomirov, and Lelej, 2014:6 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:145 (in checklist of Hymenoptera of Turkey); Mokrousov and Gromenko, 2015:126 (Uzbekistan: Karshi at 38°53'18"N 65°49'54"E); P. Rosa and Pagliano, 2015:102 (Italy: Lombardia and Piemonte: Parco del Ticino); Shorenko, 2015:339 (in list of Sphecidae *sensu lato* of Crimea); Mokrousov and Popov, 2016:569 (Russia: Krasnodarskiy Kray); Stolle and Saure, 2016:923 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:16 (Turkey: Erzurum and Kars provinces, as *punctuosus punctuosus*); Magdalou, 2017:15 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Mas Larrieu); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:224 (in catalog of Bembicinae of Russia, as *punctuosus punctuosus*); Shorenko, 2017:80 (in Crimea collected in June through August), 2018:130 (Crimea, including localities, habitats, and number of specimens); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:12 (Azerbaijan: Nakhichevan Autonomous Republic); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:272 (in Sphecidae Fauna of Europe); Cross, Baldock, and Wood, 2021:28 (in catalog of Sphecidae *sensu lato* of Portugal); Kaplan and Yildirim, 2021:38 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:92 (in commented list of Sphecidae *sensu lato* of Poland); Kaplan and Yildirim, 2023:1681 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:427 (Uzbekistan: distribution).

Hoplisis punctatus Kirschbaum, 1853:45, ♀. Holotype : ♀, Germany: Herzogtum Nassau: Mombach (Wiesbaden). Synonymized with *Gorytes punctuosus* by Handlirsch, 1888b:395, synonymy confirmed by Puławski, 1965c:571. – Schenck, 1861:143 (Germany: Bayern: Bamberg); Kirchner, 1867:220 (in catalog of European Hymenoptera); Schenck, 1867a:355 (Germany: Nassau Region); Kohl, 1883e:668 (Switzerland); Radoszkowski, 1892:582 (male genitalia); de Gaulle, 1908:120 (in catalog of French Hymenoptera); Ferton, 1912a:369 (Algeria, list of prey); Schirmer, 1912:166 (Germany: Berlin area); Noskiewicz, 1922b:231 (Poland: Podole Region: Dobrowlany, now Ukraine); Marchand and Dulac, 1935:61 (France: Saône-et-Loire: Saint Laurent d'Andenay); Minkiewicz, 1935:196, 202 (Poland: Kazimierz on Wisła at 51°20'N 21°58'E); Schneid, 1941:1040 (Germany: Bayern: Bamberg area); Blüthgen, 1942:10 (Germany: Sachsen: known from Saal Valley but not from Kyffhäuser); Głowacki, 1953:519 (Poland:

- Podkowa Leśna near Warszawa). – ***As Gorytes punctatus***: Kohl, 1880:171 (new generic assignment, Austria: Tirol: Mutters); Handlirsch, 1895:881 (valid species, additional bibliography, additional description); Dalla Torre, 1897:550 (in catalog of world Sphecidae); Handlirsch, 1898b:487 (Algeria); E. Saunders, 1902b:143 (British Channel Islands: Jersey Island; determination tentative); Antiga and Bofill, 1904:15 (Spain: Cataluña Province); Mantero, 1905:70 (Italy: Toscana: Isola del Giglio); nec Mercet, 1906:131, 137 (= *Hoplisoides craverii merceti*); Schmiedeknecht, 1907:218, 220 (in key to Hymenoptera of Central Europe); Ferton, 1910:152 (all previous observations refer to *Gorytes punctatus*), 1912a:369 (list of prey); Zilahi Kiss, 1915:80 (Hungary: Versecz); Berland, 1921:533 (Greece); Ferton, 1923:320 (preys exclusively on *Solenocephalus obsoletus* Germar, Cicadellidae, as *punctulatus*); Berland, 1924:89 (France: Var: Callian), 1925d:88 (in Sphecidae Fauna of France); Schmiedeknecht, 1930:680, 682 (in keys to Hymenoptera of North and Central Europe); Berland, 1932a:23 (France: Var Department; utilizing old charcoal preparation sites for nesting); Dulac, 1937:10 (France: Saône-et-Loire: Saint-Laurent d'Andenay); Zavadil, 1932:95 (Czechoslovakia); Zavadil, Šusterka, and Bat'a, 1937:189 (in catalog of Sphecidae of Czechoslovakia); Kuntze and Noskiewicz, 1938:407 (Poland: Podole region, now Ukraine, also known from more northern parts of Poland); Maidl and Klima, 1939:86 (in catalog of world Astatinae and Bembicinae); Guiglia, 1941c:163 (Italy: Calabria: Grande Sila); Paul, 1941:44 (Germany: Pommern: Wildenbruch, now Poland: Województwo Zachodniopomorskie: Swobnica); Šnoflák in Zavadil and Šnoflák, 1948:69 (in key to Sphecidae of Czechoslovakia); Giner Marí, 1943a:172 (in Sphecidae Fauna of Spain); Guiglia, 1943b:71 (Albania: Kopliku); Giordani Soika, 1944:9 (Italy: Sicilia: Falcone); Guiglia, 1944b:21 (Italy); Noskiewicz and Chudoba, 1949:421 (Poland: Dolny Śląsk: Sułów); de Beaumont, 1951g:307 (Italy); Caruel, 1952b:101 (France: Marne Department); de Beaumont, 1953g:108 (Morocco); Leininger, 1953:18 (Germany: Baden-Württemberg: Sandhausen); de Beaumont, 1954e:88 (Italy); Grandi, 1954:231 (Italy); Vergne, 1955:4 (France: Auvergne); Vogrin, 1955:35 (Yugoslavia); Ceballos, 1956:383 (in catalog of Hymenoptera of Spain); Morel, Nouvel, and Ribaut, 1956:338 (France: Département des Pyrénées-Orientales); Bajári, 1957a:104 (in key to Hungarian Sphecidae); Nouvel and Ribaut, 1958:12 (France: Pyrénées-Orientales: Banyuls-sur-Mer); de Beaumont, 1959a:21 (Italy); de Beaumont and Bytinski-Salz, 1959:102 (Israel); Diniz, 1959:29 (Portugal: Aldeia Nova de São Bento, Lisboa); Scobiola-Palade, 1959:497 (first record from Romania: Constanța Region: Techirghiol); Noskiewicz and Puławski, 1960:95 (in key to Polish Sphecidae); Atanassov, 1962:124 (Bulgaria: Petrich area); de Beaumont, 1962b:23 (Spain); Ceballos, 1964:92 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1964c:49 (in Sphecidae Fauna of Switzerland), 1965a:29 (Greece); Balthasar, Hrubant, and Hrubant, 1967:172 (Bulgaria: Slanchev Bryag near Nessebar); Gauss, 1967:552 (Germany: Baden-Württemberg); Scobiola-Palade, 1967b:48 (Romania); Romanova, 1969:134 (Russia: North Caucasus); Atanassov, 1972a:191 (Bulgaria: Stara Planina Mountains), 1972b:32, 48 (Bulgaria: Stara Planina Mountains); Balthasar, 1972:312 (in Sphecidae Fauna of Czechoslovakia); Diniz, 1973:45 (Portugal: Coimbra, Lisboa); Skibińska, 1982:123 (Poland: Warszawa area); Howe, Knight, and Clee, 2010:99 (United Kingdom: occurring on coastal sand dunes). – ***As Hoplisoides punctatus***: de Beaumont, 1952d:222 (new generic assignment, in revision of Mediterranean *Hoplisoides*); Noskiewicz, 1954:314 (in Poland known from Kazimierz on Wisła and Sułów on Barycz); Wolf, 1959b:30 (Germany: Nassau); Evans, 1966d:56 (summary of behavioral observations by Ferton); Heinrich, 1967:72 (Germany: Bayern: Kahl, Obernau, Schweinheim, nest parasite: *Nysson niger*); Krombein, 1972b:384 (Greece; linear copulation); Richards, 1979:401 (British Channel Islands).
- Hoplisus crassicornis* A. Costa, 1859:53, ♂. Syntypes: ♂, Italy: Calabria: Aspromonte and Sangiovannifiore (Napoli). Synonymized with *Gorytes punctuosus* by Handlirsch, 1888b:395 and with *Hoplisoides punctatus* by de Beaumont, 1952d:219. – A. Costa, 1867c:68 (in revision of Italian Sphecidae); Kirchner, 1867:220 (in catalog of European Hymenoptera); A. Costa, 1869b:84 (in revision of Italian Sphecidae).
- Hoplisus maculipennis* Giraud in von Frauenfeld, 1861: 103, 106, ♂. Holotype or syntypes: Croatia: Dalmatia: no specific locality (NHMW). Synonymized with *Gorytes punctuosus* by Handlirsch, 1888b:395. – Gasperini, 1887:17 (recorded from Dalmatia, now Croatia, by von Frauenfeld, 1861).
- Gorytes ibericus* Mercet, 1906a:117, ♂, ♀. Syntypes: Spain: Madrid: Escorial and Montarco; and Valladolid: Jaramiel, Vaciamadrid, Villaverde (MNCN). Synonymized with *Hoplisoides punctatus* by de Beaumont, 1950a:63, synonymy

confirmed in 1952d:219. – Mercet, 1906a:131, 138 (in key to Spanish *Gorytes*); Dusmet y Alonso, 1935:49 (Spain: Madrid: Montarco and Vaciamadrid), 51 (Spain: Madrid: Villaverde), 75 (Spain: Valladolid: Jaramiel); Maidl and Klima, 1939:84 (in catalog of world Astatinae and Bembicinae); Giner Marí, 1942a:70 (Spain: Valencia Province), 1943a:172 (in Sphecidae Fauna of Spain); de Andrade, 1949:18 (Portugal).

As *Gorytes latifrons*: Nadig, 1933:90 (Morocco: Ifrane), corrected to *Gorutes punctatus* by de Beaumont, 1953g:108.

ssp. *curtulus* (A. Costa)

Gorytes curtulus A. Costa, 1893a:100, ♂. Holotype or syntypes: ♂, Tunisia: no specific locality (Napoli). – Handlirsch, 1895:886 (redescription of ♂); Dalla Torre, 1897:540 (in catalog of world Sphecidae); Maidl and Klima, 1939:84 (in catalog of world Astatinae and Bembicinae). – As *Hoplisoides punctatus curtulus*: de Beaumont, 1952d:219 and 222 (new generic assignment, new status; in revision of Mediterranean *Hoplisoides*); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Ben Khedher, Yildirim, and Braham, 2022:6 (Tunisia: Kairouan: Sbikha, Aouled Marek at 35°57'21.9"N 10°8'18.1"E).

Gorytes curtulus A. Costa, 1893b:7, ♂. Objective synonym of *Gorytes curtulus* A. Costa, 1893a:100.

66. *pygidialis* (W. Fox)

Gorytes pygidialis W. Fox, 1896a:528, ♀, ♂. Lectotype: ♀, USA: Montana: no specific locality (ANSP), designated by Cresson, 1928:48. – Cockerell, 1899a:143 (New Mexico); Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – As *Psammaecius pygidialis*: Strickland, 1947:127 (new generic assignment, Canada: Alberta: Medicine Hat); Krombein in Muesebeck, Krombein, and Townes, 1951:991 (as new generic assignment, in catalog of North American Hymenoptera). – As *Hoplisoides pygidialis*: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); H. Smith, 1908b:344 (in revision of Nebraskan Sphecidae); Mickel, 1918b:354 (in catalog of Nebraskan Sphecidae); R. Bohart, 1997b:657 (in revision of North American *Hoplisoides*, as full species); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Buck, 2007:77 (in revision of Canadian *Hoplisoides*); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta: no specific locality). – As *Hoplisoides costalis pygidialis*: R. Bohart in R. Bohart and Menke, 1976:520 (new status, in checklist of world Sphecidae); Krombein, 1979b:1700 (in catalog of North American Hymenoptera); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae).

67. *quedenfeldti* (Handlirsch)

Gorytes quedenfeldti Handlirsch, 1895:884, ♂ (as *Quedenfeldti*, incorrect original capitalization). Holotype: ♂, Algeria: Blida-Medea (ZMHU). – Dalla Torre, 1897:552 (in catalog of world Sphecidae); Handlirsch, 1898b:487 (Algeria); Maidl and Klima, 1939:87 (in catalog of world Astatinae and Bembicinae); de Beaumont, 1950f:402 (Algeria: Tagramaret), 1953g:108 (Morocco). – As *Hoplisoides quedenfeldti*: de Beaumont, 1952d:226 (new generic assignment; in revision of Mediterranean *Hoplisoides*); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Nemkov, 1995c:134 (in key to *Hoplisoides* of USSR), 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae).

68. *rasilis* R. Bohart

Hoplisoides rasilis R. Bohart, 2000:237, ♂. Holotype: ♂, Peru: Lima: Cupiche (FSCA). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru).

69. *remotus* (R. Turner)

Arpactus remotus R. Turner, 1917c:182, ♀. Holotype: ♀, India: Punjab: Jummoo (BMNH). – As *Gorytes remotus*: Maidl and Klima, 1939:89 (new generic assignment, in catalog of world Astatinae and Bembicinae). – As *Hoplisoides remotus*: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

70. *ruficeps* R. Bohart

Hoplisoides ruficeps R. Bohart, 2000:237, ♀, ♂. Holotype: ♀, Argentina: Catamarca: Andalgalá (UCD). – Amarante, 2002:15 (in catalog of Neotropical Crabronidae).

71. *schubotzii* (Arnold)

Arpactus schubotzii Arnold, 1932:30, ♀ (as *Schubotzii*, incorrect original capitalization). Holotype: ♀, Congo Brazzaville: Fort-de-Possel, now Possel (Zool. Mus. Hamburg). – **As *Gorytes schubotzii***: Maidl and Klima, 1939:88 (new generic assignment, in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides schubotzii***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

72. *semipunctatus* (Taschenberg)

Hoplis semipunctatus Taschenberg, 1875:367, ♀. Holotype or syntypes: ♀, Argentina: Mendoza: Mendoza (Halle). – Schrottky, 1913a:227 (Argentina: Mendoza). – **As *Gorytes semipunctatus***: Handlirsch, 1888b:383 (new generic assignment, in revision of world Bembicinae), 1895:877 (variation); Dalla Torre, 1897:554 (in catalog of world Sphecidae); Schrottky, 1903b:177 (in checklist of Hymenoptera of Argentina, Paraguay, and Uruguay); Strand, 1910a:152 (Paraguay); Jørgensen, 1912:291 (Argentina: Mendoza Province); Maidl and Klima, 1939:60 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides semipunctatus***: Evans and Matthews, 1974:130 (new generic assignment, nesting behavior); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Krombein, 1979b:1701 (in catalog of North American Hymenoptera); R. Bohart, 1997b:657 (in revision of North American *Hoplisoides*), 2000:238 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Evans and O'Neil, 2007:56 (summary of information on nesting habits).

73. *splendidulus* (Bradley)

Gorytes splendidulus Bradley, 1920:113, ♀, ♂ (as *splendidula*, incorrect original termination). Holotype: ♂, USA: California: Imperial County: Brawley (Cornell Univ.). – Maidl and Klima, 1939:92 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius splendidulus***: Krombein in Muesebeck, Krombein, and Townes, 1951:991 (new generic assignment, in catalog of North American Hymenoptera). – **As *Hoplisoides splendidulus***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Rubink, 1977:1 (nesting behavior, prey: fulgoroid *Acanalonia similis* Doering); Krombein, 1979b:1701 (in catalog of North American Hymenoptera); Frommer, 1988:94 (California: Riverside County: Deep Canyon); R. Bohart, 1997b:657 (in revision of North American *Hoplisoides*); Evans and O'Neil, 2007:62 (summary of information on nesting habits); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: first record from Canada: British Columbia: no specific locality).

74. *thalia* (Handlirsch)

Gorytes thalia Handlirsch, 1895:888, ♀ (as *Thalia*, incorrect original capitalization). Holotype: ♀, South Africa: Cape Province (either Eastern or Western): no specific locality (ZMHU). – Dalla Torre, 1897:555 (in catalog of world Sphecidae); Handlirsch, 1901b:428 (description of ♂); Schouteden, 1930:96 (Zaire); Maidl and Klima, 1939:88 (in catalog of world Astatinae and Bembicinae); de Beaumont, 1967b:508 (South Africa: Basutoland). – **As *Arpactus thalia***: Arnold, 1929a:241 (new generic assignment, revision), 1930:19 (in checklist of Afrotropical Sphecidae), 1935a: 503 (South Africa: Kalahari). – **As *Hoplisoides thalia***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Gess, 1981:20 (South Africa: Hilton Farm 18 km west-northwest of Grahamstown; nesting in friable soils); S. Gess and F. Gess, 2003:113 (South Africa: visiting flowers of *Acacia karroo* Hayne, Fabaceae, and *Ziziphus mucronata* Willd., Rhamnaceae).

Gorytes transvaalensis Cameron, 1910:143, ♀. Holotype or syntypes: ♀, South Africa: Transvaal: van der Merwe (TMP). Synonymized with *Arpactus thalia* by Arnold, 1929a:241. – Brauns, 1917:241 (type in TMP).

75. *tricolor* (Cresson)

Gorytes tricolor Cresson, 1868:380, ♀. Holotype: ♀, USA: New Mexico: no specific locality (ANSP). – Cresson, 1887:279 (in catalog of North American Hymenoptera); Handlirsch, 1888b:415 (original description translated into

German); W. Fox, 1892:149 (description of ♀); Handlirsch, 1895:902 (W. Fox's description of ♀ translated into German); Dalla Torre, 1897:555 (in catalog of world Sphecidae); Cockerell, 1899a:143 (New Mexico); Cresson, 1916:99 (holotype in ANSP); Maidl and Klima, 1939:93 (in catalog of world Astatinae and Bembicinae). – **As *Psammaecius tricolor***: Krombein in Muesebeck, Krombein, and Townes, 1951:991 (new generic assignment, in catalog of North American Hymenoptera); Evans, Lin, and Yoshimoto, 1954:6 (nesting behavior); Krombein, 1958f:194 (in supplement to catalog of North American Hymenoptera: Florida, prey: *Parabolocratrus brunneus* Ball, a cicadellid, nest parasite: *Nyssus bellus* Cresson, now in *Epinysus*). – **As *Hoplisoides tricolor***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae); H. Smith, 1908b:344 (in revision of Nebraskan Sphecidae); Mickel, 1918b:353 (in catalog of Nebraskan Sphecidae, new generic assignment); Evans, 1966d:53 (nesting behavior); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Krombein, 1979b:1701 (in catalog of North American Hymenoptera, nesting sites, prey); Piek and Spanjer, 1986:184 (in list of Sphecidae with known prey); Steiner, 1986:109 (references to publications on nesting habits); S. Frommer, 1988:94 (California: Riverside County: Deep Canyon); R. Bohart, 1997b:658 (in revision of North American *Hoplisoides*); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:666 (in checklist of Mexican Sphecidae); Buck, 2007:77 (in revision of Canadian *Hoplisoides*); Ratzlaff, 2016:24 (Canada: British Columbia: from Buck, 2007); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: British Columbia: no specific locality).

Gorytes helianthi Rohwer, 1911b:569, ♀. Holotype: ♀, USA: Colorado: Boulder (USNM). Synonymized with *Psammaecius tricolor* by Krombein in Muesebeck, Krombein, and Townes, 1951:991. – Maidl and Klima, 1939:90 (in catalog of world Astatinae and Bembicinae).

Hoplisus rufocaudatus Mickel, 1916a:401, ♂. Holotype: ♂, USA: Nebraska: Mitchell (UNL). Synonymized with *Psammaecius tricolor* by Krombein, 1958f:194 and with *Hoplisoides tricolor* by R. Bohart in R. Bohart and Menke, 1976:521. – Mickel, 1918b:356 (in catalog of Nebraskan Sphecidae); Muma, 1952:19 (type in UNL). – **As *Gorytes rufocaudatus***: Maidl and Klima, 1939:102 (new generic assignment, in catalog of world Astatinae and Bembicinae, in subgenus *Hoplisus*); Krombein in Muesebeck, Krombein, and Townes, 1951:992 (in catalog of North American Hymenoptera).

76. *umtalicus* (Arnold)

Arpactus umtalicus Arnold, 1929a:240, ♀. Holotype: ♀, Zimbabwe: Umtali (SAM). Paratype: South Africa: Natal: Pinetown (TMP). – Arnold, 1936:10 (description of ♂), 1930:19 (in checklist of Afrotropical Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:37 (non-type specimen in Bulawayo Museum). – **As *Gorytes umtalicus***: Maidl and Klima, 1939:88 (new generic assignment, in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides umtalicus***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

77. *vespoides* (F. Smith)

Gorytes vespoides F. Smith, 1873c:407, ♀. Holotype or syntypes: ♀, Brazil: Amazonas: Ega, now Tefé (BMNH). – Dalla Torre, 1897:556 (in catalog of world Sphecidae); Ducke, 1907b:91 (Brazil: Maranhão State: Alcantara, determination tentative), 1910:110 (Brazil: Maranhão State). – **As *Hoplisoides vespoides***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae); Callan, 1977a:326 (nesting habits); Nascimento and Overal, 1980:6 (Brazil); Callan, 1991a:12 (Trinidad); Hanson and Menke, 1995:645 (known from Costa Rica); R. Bohart, 1997b:659 (in revision of North American *Hoplisoides*), 2000:239 (in revision of Neotropical Gorytini); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Starr and Hook, 2003:18 (in catalog of Aculeata of Trinidad, West Indies); Evans and O'Neil, 2007:62 (summary of information on nesting habits); Buys, 2008b:208 (nesting habits, mimicked by stratiomyid fly *Hoplitimyia mutabilis* (Fabricius)); Jacobi, 2008:12 (nesting habits in Costa Rica, prey: membracid *Umbonia crassicornis* (Amyot and Serville), mimicking vespid *Brachygastra mellifica*

- (Say)); Buys, 2014b:20 (Brazil: Espírito Santo: Santa Teresa; prey: *Umbonia spinosa* (Fabricius), Cicadellidae); 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).
- Gorytes robustus* Handlirsch, 1888b:380, ♀. Syntypes: Brazil: Santa Catarina: Blumenau (NHMW); Mexico: Tamaulipas: Tampico (MHNG). Synonymized with *Hoplisoides vespoides* by R. Bohart in R. Bohart and Menke, 1976:521. – Handlirsch, 1888c:68 (mimicry with *Odynerus paredesii* de Saussure); Cameron, 1890a:73 (listed); Dalla Torre, 1897:553 (in catalog of world Sphecidae); Strand, 1910a:155 (Paraguay); Maidl and Klima, 1939:59 (in catalog of world Astatinae and Bembicinae); Dollfuss, 1989:10 (type material in NHMW). – **As *Hoplisoides robustus***: Ashmead, 1899d:328 (new generic assignment, in checklist of North American Crabronidae). – **As *Hoplisus robustus***: Schrottky, 1913a:227 (new generic assignment, Paraguay).
- Icuma sericea* Cameron, 1905b:21, ♀. Holotype or syntypes: ♀, Panama: Pacific side: no specific locality (BMNH). Synonymized with *Hoplisoides vespoides* by R. Bohart in R. Bohart and Menke, 1976:521.
- Gorytes morrensis* Strand, 1910a:153, ♀. Holotype: ♀, Paraguay: Asunción: Villa Morra (ZMHU). Synonymized with *Hoplisoides vespoides* by R. Bohart, 2000:239. – Strand, 1927:254 (in list of species described by author); Maidl and Klima, 1939:59 (in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides morrensis***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).
- Gorytes auropilosellus* Cameron, 1912a:430, ♀. Holotype or syntypes: ♀, Guyana: Demerara: no specific locality (BMNH). Synonymized with *Hoplisoides vespoides* by R. Bohart in R. Bohart and Menke, 1976:521. – Maidl and Klima, 1939:57 (in catalog of world Astatinae and Bembicinae).
- Hoplisoides umbonida* Pate, 1941c:1, ♀, ♂. Holotype: ♀, Trinidad: Caura Valley (ANSP). Synonymized with *Hoplisoides vespoides* by R. Bohart, 1997b:659. – Callan, 1950:206 (occurring in Trinidad, preying on Membracidae); Evans, 1966:56 (prey data in Pate, 1941e); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae); Callan, 1977a:325 (nesting habits), 1991a:12 (Trinidad); H. Allen, 1995:15 (type in ANSP, as *umboniada*); Starr and Hook, 2003:18 (in catalog of Aculeata of Trinidad, West Indies).

78. *whitei* (Cameron)

- Hoplisus whitei* Cameron, 1905f:210, ♂ (as *Whitei*, incorrect original capitalization). Holotype or syntypes: ♂, South Africa: Western Cape Province: Brak Kloof (AMG). – Jacot-Guillarmod, 1961:12 (type in Albany Museum, Grahamstown). – **As *Gorytes whitei***: Maidl and Klima, 1939:88 (new generic assignment, in catalog of world Astatinae and Bembicinae). – **As *Hoplisoides whitei***: R. Bohart and Menke, 1976:521 (new generic assignment, in checklist of world Sphecidae).

79. *xerophilus* Alayo Dalmau

- Psammaecius confusus* Alayo Dalmau, 1969:14, ♀, ♂, junior secondary homonym of *Hoplisoides confusus* (Dutt, 1921). Syntypes: Cuba: many localities (IZAC). – Alayo Dalmau, 1973:188 (in catalog of Cuban Hymenoptera); Hidalgo-Gato González, Reyes Sánchez, Mestre Novoa, Fernández García, Rodríguez-León Merino, Rodríguez Velázquez, Genaro Artola, and Fontenla Rizo, 2002:29 (syntypes deposited at IZAC). – **As *Hoplisoides confusus***: R. Bohart and Menke, 1976:520 (new generic assignment, in checklist of world Sphecidae); Reyes and Hernández, 1995:3 (holotype in Inst. Ecol. Sist., La Havana, Cuba).
- Hoplisoides xerophilus* Alayo Dalmau, 1976:29. Substitute name for *Hoplisoides confusus* (Alayo Dalmau). – Alayo Dalmau, 1976:13 (in key to Cuban *Hoplisoides*); R. Bohart, 1997b:659 (in revision of North American *Hoplisoides*), 2000:240 (in revision of Neotropical *Gorytini*); Amarante, 2002:15 (in catalog of Neotropical Crabronidae); Genaro, 2006:52 (in checklist of Cuban Sphecidae and Crabronidae).

sp.

- Hartman, 1905:39 (nesting habits); Hurd and Linsley, 1975:116 (Arizona: Cochise County: Douglas and Portal; on flowers of *Larrea tridentata* (De Candolle) Coville, Zygophyllaceae); Amarante, 1993:20 (northeastern Brazil); Cambra, 1993:16 (Peru: Pakitza at 11°57'S 71°17'W); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand

Dunes National Monument); Pagliano, 2011a:135 (*Gorytes rubidus* in coll. Spinola, Torino, is a *Hoplisoides* sp. from Egypt).

SPECIES DESCRIBED IN *HOPLISOIDES* AND TRANSFERRED TO OTHER GENERA

bifasciatus Brèthes, 1909 = *Allogorytes*

clavatus C. Baker, 1907 = *Arigorytes*

umbonatus C. Baker, 1907 = *Oryttus*