

Last updated: 23 May 2025

BEMBECINUS

Bembecinus A. Costa, 1859:4. Type species: *Bembecinus meridionalis* A. Costa, 1859, by monotypy.

Stizomorpha A. Costa, 1959:7. Type species: *Vespa tridens* Fabricius, 1781, by monotypy.

Gorystizus Minkiewicz, 1934:252. Not available: type species not designated (Article 13.3).

Gorystizus Pate, 1937c:29. Type species: *Vespa tridens* Fabricius, 1781, by original designation. Validation of *Gorystizus* Minkiewicz, 1934.

Lavia Rayment, 1953:23. Nomen nudum.

Revisions: van der Vecht, 1949 (Java); Willink, 1949 (Neotropical Region); Krombein and Willink, 1951 (North America); de Beaumont, 1954f (Mediterranean species), 1967a:301 (Turkey); Krombein, 1984b (Sri Lanka); Tsuneki et al., 1992 (Philippines); Hamon, Foucart, and Fonfria, 1993 (France); R. Bohart, 1996a (North and Central America); Schmid-Egger, 2004b (Palearctic Region); Nemkov, 2012e (Russia and adjacent countries), F. Gess, Pulawski, and S. Gess, 2015 (*Bembecinus rhopalocerus* species group).

Classification: R. Bohart, 1997a and F. Gess, Pulawski, and S. Gess, 2015:210 (species groups worldwide).

Synopsis of known behavior: Evans, 1966d:134; Kazenas, 2001b:232.

List of Strepsiptera known from *Bembecinus*: Kifune and Yamane, 1985:51.

1. *abmedius* R. Bohart

Bembecinus abmedius R. Bohart, 1997a:171, ♀, ♂. Holotype: ♂, Ivory Coast: Bouaké: Foro-Foro (UCD).

2. *acanthomerus* (Morice)

Stizus acanthomerus Morice, 1911:116, ♀, ♂. Syntypes: Algeria: Biskra (OXUM). – von Schulthess, 1926b:216 (Algeria: Biskra); Nadig, 1933:87 (Morocco: Goundafa); de Beaumont, 1950f:400 (Algeria: Tadjemout), 1951e:274 (Algeria, Morocco; redescription). – **As *Bembecinus acanthomerus***: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); de Beaumont, 1954f:267 (in revision of western Palearctic *Bembecinus*), 1958b:58 (Algeria: Tassili des Ajer); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Schmid-Egger, 2004b:38 (in revision of Palearctic *Bembecinus*); Yildirim and Ljubomirov, 2005:1793 (Turkey: Erzincan Province), 2007:118 (Turkey: Erzurum: Oltu); Ljubomirov and Yildirim, 2008:99 (in catalog of Crabronidae of Turkey); Schmid-Egger, 2011b:495 (United Arab Emirates: Um al-Quwain, Wadi Madaq), 498 (color photograph); Nemkov, 2012e:3 (in revision of *Bembecinus* of Russia and adjacent countries); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:39 (Iran: known from Kerman Province); Nemkov, 2017a:Table p. 1 (in zoogeographic analysis of Palearctic Bembicinae); Kemal and Koçak, 2018:33 (Turkey: in list of pterygot insects of Van Province); Gadallah, 2020b:24 (in list of aculeate wasps of Arabian Peninsula); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

As *Stizus cyanescens*: W. Schulz, 1905b:42 (Algeria: Biskra), corrected to *Stizus acanthomerus* by de Beaumont, 1950f:400.

Stizus dentipes Gussakovskij, 1933b:289, ♂. Holotype: ♂, Iran: Kerman: Kucha: Kambil (ZIN). Synonymized with *Bembecinus acanthomerus* by Schmid-Egger, 2004b:38. – **As *Bembecinus dentipes***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); de Beaumont, 1970c:9 (Iran: Kerman); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Kazenas, 1978b:84 (in key to Sphecidae of Kazakhstan and Central Asia).

3. *adeni* Schmid-Egger

Bembecinus adeni Schmid-Egger, 2004b:41, ♀, ♂. Holotype: ♂, Yemen: Aden (RMNH). – Schmid-Egger, 2009:761 (discussion of characters, Syria: Palmira: Dayr az Zawr); Gadallah, 2020b:24 (in list of aculeate wasps of Arabian Peninsula).

4. *aemulus* (Handlirsch)

Stizus aemulus Handlirsch, 1895:974, ♀, ♂. Syntypes: South Africa: Cape Province [Eastern or Western?]; no specific locality (ZMHU). – Dalla Torre, 1897:519 (in catalog of world Sphecidae); Arnold, 1929a:270 (in revision of southern African Sphecidae, as *Stizus Braunsi* var. *aemulus*, new status), 1930:19 (in checklist of Afrotropical Sphecidae, as *Stizus Braunsi* var. *aemulus*), 1940:113 (resurrected status, description). – **As *Bembecinus aemulus***: R. Bohart and Menke, 1976:530 (new generic assignment, in checklist of world Sphecidae).

5. *agilis* (F. Smith)

Larra cingulata F. Smith, 1856:340, ♀, junior primary homonym of *Larra cingulata* Fabricius, 1798. Holotype or syntypes: ♀, Brazil: no specific locality (OXUM). Synonymized with *Stizus agilis* (as its junior synonym) by Handlirsch, 1892:68. – **As *Stizus cingulatus***: Patton, 1879c:347 (new generic assignment); nec Cameron, 1890a:102 (= *Bembecinus quinquespinosus*); Handlirsch, 1892:68 (in revision of world Bembicini); Dalla Torre, 1897:522 (in catalog of world Sphecidae); Strand, 1910a:150 (Paraguay); Vesey-Fitzgerald, 1940:38 (Trinidad: Northern Range: Gasparillo road, North Coast: Maracas Bay; habitat); Casolari and Casolari Moreno, 1980:115 and 116 (specimens in M. Spinola collection, Torino); Pagliano, 2011a:128 (specimens in M. Spinola collection, Torino, are *Stizus biclipeatus*). – **As *Bembecinus cingulatus***: Richards, 1937a:116 (new generic assignment, Guyana, homopteran prey); Callan, 1950:205 (only *Bembecinus* in Trinidad, preying on Jassidae); Steiner, 1986:110 (references to publications on nesting habits).

Larra agilis F. Smith, 1873c:402, ♀. Holotype or syntypes: ♀, Brazil: Amazonas, Ega, now Tefé (BMNH). – **As *Stizus agilis***: Patton, 1879c:347 (new generic assignment); nec Cameron, 1890a:102 (= *Bembecinus quinquespinosus*). – **As *Bembecinus agilis***: Callan, 1954:25 (new generic assignment, Venezuela: Paria Peninsula: Cristóbal Colón); Evans, 1966d:137 (nest temporary closure), 138 (nest structure), 139 (progressive provisioning), 141 (summary of prey records); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Nascimento and Overal, 1980:3 (Brazil, Peru); Callan, 1991a:12 (Trinidad), 1991c:134 (prey, cocoon); Hanson and Menke, 1995:648 (known from Costa Rica); R. Bohart, 1996a:519 (in revision of *Bembecinus* of North and Central America); Amarante, 2002:22 (in catalog of Neotropical Crabronidae); Starr and Hook, 2003:18 (in catalog of Aculeata of Trinidad, West Indies); Evans and O'Neil, 2007:87 (summary of information on nesting habits); Buys, 2009b:133 (nesting habits); Rasmussen and Asenjo, 2009:6 (in checklist of Crabronidae of Peru); Buys, 2012b:76 (Brazil: Rio de Janeiro State: Niterói, Rio de Janeiro); Guimarães, Buys, Vivallo, Guimarães Júnior, Storti Rodrigues, Guimarães, dos Santos Seppa, and de Carvalho, 2014:80 (Brazil: Rio de Janeiro: Ilha de Marambaia).

Bembidula ornaticauda Cameron, 1912a:432, ♀. Holotype or syntypes: ♀, Guyana: Demerara: no specific locality (BMNH). Synonymized with *Bembecinus cingulatus* by Richards, 1937:116. – **As *Bicyrtes ornaticauda***: Lohrmann, 1948:424 (new generic assignment, in checklist of recently described *Bicyrtes*).

6. *alternatus* van der Vecht

Bembecinus alternatus van der Vecht, 1949:299, ♀, ♂. Holotype: ♀, Indonesia: Java: Tjiampea near Bogor (RMNH). – R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Tsuneki, 1976b:44 (Philippines, redescription); Tsuneki et al., 1992c:9, 10 (in key to *Bembecinus* of Philippines), 22 (bibliographic references).

7. *anatolicus* de Beaumont

Bembecinus revindicatus anatolicus de Beaumont, 1968b:156, ♂. Holotype: ♂, Turkey: Beysehir (M. Schwarz coll.). – de Beaumont, 1969:83 (Turkey); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae). – **As *Bem-***

becinus anatolicus: Schmid-Egger, 2004b:41 (full species status, in revision of Palearctic *Bembecinus*); Ljubomirov and Yildirim, 2008:99 (in catalog of Crabronidae of Turkey); Schmid-Egger, 2009:762 (first record from Greece: Island of Samos: Larzarus/Karvounis); Tüzün and Yüksel, 2010:4472 (Turkey: Niğde Province); Bitsch, 2014:399 (Schmid-Egger, 2009 recorded this species from Greece: Island of Samos); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Nemkov, 2017a:Table p. 1 (in zoogeographic analysis of Palearctic Bembicinae); Kemal and Koçak, 2018:33 (Turkey: in list of pterygot insects of Van Province); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:292 (in Sphecid Fauna of Europe); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey); Can and Saboori, 2023:81 (Turkey: parasitized by larvae of mite *Leptus tridentatus* Saboori, Hakimitabar and Khademi (Trombidiformes: Erythraeidae)); Kaplan and Yildirim, 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

8. *angustifrons* (Arnold)

Stizus angustifrons Arnold, 1940:114, ♀, ♂. Syntypes: Zimbabwe: Bulawayo, Forestvale, Matetsi (SAM). – **As *Bembecinus angustifrons***: R. Bohart and Menke, 1976:530 (new generic assignment, in checklist of world Sphecidae).

9. *anthracinus* (Handlirsch)

Stizus anthracinus Handlirsch, 1892:54, ♀. Holotype: ♀, New Guinea: no specific locality (Zool. Mus. Hamburg, destroyed in World War II). – Handlirsch, 1895:979 (Indonesia: Timor); Dalla Torre, 1897:520 (in catalog of world Sphecidae); nec Sonan, 1934:41 (= *Bembecinus anthracinus ogasawaraensis*). – **As *Bembecinus anthracinus***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*: description of male by Sonan, 1934 reported, assigned to *Bembecinus tridens* species group); van der Vecht, 1949:305 (bibliographic references); Tsuneki, 1965a:15 (Bonin Islands), 1965c:28 (in key to Bembicinae of Japan and Korea); 1970e:1 (synonymy); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Terayama, 2006:14, 15 (in key to Japanese Bembicinae).

ssp. *mukodzimaensis* Tsuneki

Bembecinus anthracinus mukodzimaensis Tsuneki, 1970e:6, ♂. Holotype: ♂, Japan: Ogasawara (= Bonin) Islands: Island of Mukodzima (Tokyo). – R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Tano, 1994a:8 (paratype originally in K. Tsuneki coll., now Hyogo Mus.); Hashimoto and Nakanishi, 1997:23 (paratype transferred to Hyogo Mus.); Takahashi, 2010:19 (Japan: in list of Hymenoptera of Ogasawara = Bonin islands).

ssp. *ogasawaraensis* Tsuneki

Bembecinus anthracinus ogasawaraensis Tsuneki, 1970e:1, ♂. Holotype: ♂, Japan: Ogasawara (= Bonin) Islands: Islands of Chichijima: Fukuro-sawa (Tokyo). – Haneda, 1973:30 (Japan: Bonin Islands: Chichijimas Islands); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Tsuneki, 1984a:9 (Ogasawara = Bonin Islands); Takahashi and Shimizu, 2001:13 (Japan: Ogasawara Islands: Ane-Jima, Chichi-Jima, and Haha-Jima); Takahashi, Shimizu, and Nambu, 2009:4 (Japan: Ogasawara Islands: Haha-Jima); Takahashi, 2010:19 (Japan: in list of Hymenoptera of Ogasawara = Bonin islands).

As *Stizus anthracinus*: Sonan, 1934:41 (Ogasawara Island) and Yasumatsu, 1936a:361 (Bonin = Ogasawara Islands), corrected to *Bembecinus anthracinus ogasawaraensis* by Tsuneki, 1970e:1.

10. *antipodum* (Handlirsch)

Stizus antipodum Handlirsch, 1892:52, ♀. Syntypes: Australia: New South Wales: Sydney (Zool. Mus. Hamburg, destroyed in World War 2). – Handlirsch, 1895:978 (additional specimens studied); Dalla Torre, 1897:520 (in catalog of world Sphecidae). – **As *Bembecinus antipodum***: Evans and Matthews, 1971b:305 (new generic assignment, nesting behavior); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Cardale, 1985:284 (in catalog of Australian Sphecidae); Evans and O'Neil, 2007:87 (summary of information on nesting habits).

11. *argentifrons* (F. Smith)

Larra argentifrons F. Smith, 1856:339, ♂. Holotype or syntypes: ♂, South Africa: KwaZulu-Natal: Port Natal, now Durban (BMNH). – *As Stizus argentifrons*: Handlirsch, 1892:43 (new generic assignment, original description translated into German); Dalla Torre, 1897:520 (in catalog of world Sphecidae); Bingham, 1902:210 (South Africa: KwaZulu-Natal: Durban), 1903a:67 (South Africa: Johannesburg). – *As Bembecinus argentifrons*: Evans, 1966d:142 (new generic assignment, summary of prey records); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Evans and O'Neil, 2007:56 (summary of information on nesting habits); Roche, 2007a:108 and, 2007b:7 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae).

Stizus braunsii Handlirsch in Kohl, 1894:287, ♀, ♂. Syntypes: Mozambique: Delagoa Bay; Gabon: Cape Lopez; also Cape Palmas (NHMW). R. Bohart (1997a:177) illegally designated a lectotype from Transvaal, not included in the original description. Synonymized with *Bembecinus argentifrons* by R. Bohart, 1997a:177. – Handlirsch, 1895:973 (redescription); Dalla Torre, 1897:521 (in catalog of world Sphecidae); Arnold, 1929a:268 (in revision of southern African Sphecidae), 1930:19 (in checklist of Afrotropical Sphecidae); Schouteden, 1930:96 (Zaire); Arnold, 1935:503 (South Africa: Kalahari); Guiglia, 1943c:75 (Ethiopia: Gamo Gofa: Sagan – Omo region), 1950:236 (Ethiopia: Gamo Gofa: Caschei, Gondaraba at 4°58'N, 36°49'E, color variation); Arnold, 1951:126 (Ethiopia, Mali); I. Robertson, 1969:480 (Tanzania: Nyarumbugu, Ukiriguru). – *As Bembecinus braunsii*: de Beaumont, 1967b:507 (new generic assignment, South Africa: Natal); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Gess, 1981:20 (South Africa: Hilton Farm 18 km west-northwest of Grahamstown; nesting in sand, prey), 40 (use of foretarsal rake), 42 (tarsal rake present), 43 (nest oblique), 50 (no competition for nesting sites and prey with *Bembecinus cinguliger* and *P. oxydorcus*), 51 (temporary closure maintained throughout working day); S. Gess and F. Gess, 2003:114 (South Africa: visiting flowers of *Selago corymbosa* L., Scrophulariaceae).

Stizus pruinosus Cameron, 1908a:293, ♀, ♂. Syntypes: Tanzania: Mount Meru lowlands: Ngare na nyuki (NRS). Synonymized with *Stizus braunsii* by Arnold, 1929a:268.

Stizus pulchritinctus Cameron, 1912b:400, ♂. Holotype or syntypes: ♂, Zaire: Lukombe (MRAC). Synonymized with *Stizus braunsii* by Arnold, 1929a:268. – Schouteden, 1930:96 (Zaire).

Stizus barkeri Arnold, 1940:114, ♀, ♂ (as *Barkeri*, incorrect original capitalization). Syntypes: South Africa: KwaZulu-Natal: Durban (SAM). Synonymized with *Bembecinus argentifrons* by R. Bohart, 1997a:177. – *As Bembecinus barkeri*: R. Bohart and Menke, 1976:530 (new generic assignment, in checklist of world Sphecidae).

Stizus touareg de Beaumont, 1952c:189 (nomen nudum).

Bembecinus touareg de Beaumont, 1954f:253, ♀, ♂. Holotype: ♂, Algeria: Hoggar: Idjef Melène (Lausanne). Synonymized with *Bembecinus argentifrons* by Schmid-Egger, 2004b:22. – R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae).

12. *asiaticus* Gussakovskij

Bembecinus [sic] *asiaticus* Gussakovskij, 1935:441, ♀, ♂. Syntypes: Tajikistan: Kulab; Uzbekistan: many localities (ZIN). – Gussakovskij, 1935:443 (in key to *Bembecinus tridens* species group); Lohrmann, 1943:191 (in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); de Beaumont, 1961c:274 (Afghanistan); Myartseva, 1963b:60 (Turkmenistan: lower Murgab River), 1965:90 (Turkmenistan: Akibay, Murgab district, Sakar-Chagin district, Bayram-Ali district), 1966:48 (preying on Homoptera), 49 (Turkmenistan: lower course of Murgab and Tedjen rivers; preying on cicadellids); de Beaumont, 1967a:301 (in key to *Bembecinus* of Turkey, determination tentative), 304 (Turkey); Islamov, 1970:63, 64 (Uzbekistan: Chirchik Basin); Myartseva, 1972a:90 (Turkmenistan), 1972b:106 (parasite: *Senotainia deserta* Rohdendorf, Sarcophagidae), 1976:75 (nesting habits); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Kazenas, 1978b:84 (in key to Sphecidae of Kazakhstan and Central Asia); Islamov, 1986:523 (Uzbekistan: Tashkent Oblast'); Kazenas, 1992c:28 (Turkmenistan: Repetek Nature Reserve); Kazenas and Esenbekova, 1995:80 (Kazakhstan; bibliographic reference to leaf-

hopper prey); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:41 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001b:49 (in checklist of Sphecidae of Kazakhstan and Central Asia), 234 (review of biological observations of Myartseva, 1976), 2002a:129 (geographic distribution, collecting localities in Kazakhstan); Nazarova, 2004:108 (Tajikistan: Badakhshan Region: Rushan District: villages Dasht and Visav in Bartang River valley); Schmid-Egger, 2004b:22 (in revision of Palearctic *Bembecinus*); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Evans and O'Neil, 2007:56 (summary of information on prey); Kazenas, 2008a:105 (southeastern Kazakhstan: 3 km northwest and 65 km west of Bakanas); Schmid-Egger, 2009:760 (Kyrgyzstan: Naryn Valley at 41°23'N 75°51'E, Uzbekistan: Yakkabag in Hissar Mountains at 38°56'N 66°53'E, as *asiaticus asiaticus*); Koçak and Kemal, 2010:6 (in checklist of pterygot insects of Afghanistan); Nemkov, 2012e:3 (in revision of *Bembecinus* of Russia and adjacent countries); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:347 (in new catalog of Sphecidae of Saudi Arabia); Dunford, Turbyville, and Leavengood, 2014:9 (listed as medically important in Afghanistan); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Nemkov, 2017a:Table p. 1 (in zoogeographic analysis of Palearctic Bembicinae); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:428 (Uzbekistan: distribution).

13. *asphaltites* de Beaumont

Bembecinus asphaltites de Beaumont, 1968b:157, ♀, ♂. Holotype: ♂, Israel: Ein Gedi (RMNH). – R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Schmid-Egger, 2004b:42 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 1 (in zoogeographic analysis of Palearctic Bembicinae).

14. *assentator* (Arnold)

Stizus assentator Arnold, 1945:72, ♂. Syntypes: Madagascar: Bekily (MNHN). – *As Bembecinus assentator*: Leclercq, 1961d:102 (new generic assignment, Madagascar); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Leclercq, 1990b:118 (Madagascar; male sternum VII dentate); Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Madl, 2014a:941 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Malagasy subregion, with synonymy and locality records).

15. *asuncionis* (Strand)

Stizus asuncionis Strand, 1910a:151, ♀. Syntypes: ♀, Paraguay: Asunción: Asunción and Villa Morra (ZMHU). – Strand, 1927:255 (in list of species described by author). – *As Bembecinus asuncionis*: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); Willink, 1949:102 (in revision of Neotropical *Bembecinus*); R. Bohart and Menke, 1976:151 (in checklist of world Sphecidae); Amarante, 2002:22 (in catalog of Neotropical Crabronidae).

16. *ater* R. Bohart

Bembecinus ater R. Bohart, 1996a:519, ♀, ♂. Holotype: ♀, USA: Arizona: Cochise County: near Douglas (UCD).

17. *atratus* (Arnold)

Stizus karoensis var. *atratus* Arnold, 1936:22, ♀, ♂. Syntypes: South Africa: Western Cape Province: Malmesbury and Resolution (TMP). – *As Bembecinus atratus*: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae).

18. *barbarus* (de Beaumont)

Stizus barbarus de Beaumont, 1950f:398, ♀, ♂. Holotype: ♀, Algeria: Laghouat (BMNH). – *As Bembecinus barbarus*: de Beaumont, 1954f:256 (new generic assignment, in revision of western Palearctic *Bembecinus*), 1958b:58 (Algeria: Tassili des Ajjer); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Schmid-Egger, 2004b:25 (in revision of Palearctic *Bembecinus*), 2009:760 (Morocco: Rissani); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae).

19. berlandi Willink

Bembecinus berlandi Willink, 1952b:78, ♀, ♂. Holotype: ♂, Brazil: Rio Grande do Sul: no specific locality (MNHN). – R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Amarante, 2002:22 (in catalog of Neotropical Crabronidae).

20. bernardi de Beaumont

Bembecinus bernardi de Beaumont, 1954f:268, ♀, ♂. Holotype: sex not stated, Algeria: Tassili des Ajjer: Adrar (MNHN). – de Beaumont, 1958b:58 (Algeria: Tassili des Ajjer); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae, incorrectly listed from Egypt); Schmid-Egger, 2004b:43 (in revision of Palearctic *Bembecinus*); Roche, 2007a:141 (incorrectly listed from Egypt by R. Bohart and Menke, 1976:530); Schmid-Egger, 2009:762 (first record from Tunisia: Tamesrest–Matmata, description of specimens from Tunisia); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembecinae); Ben Khedher, Yildirim, and Braham, 2022:4 (in checklist of Bembecinae of Tunisia).

21. bicinctus (Taschenberg)

Larra bicincta Taschenberg, 1875:364, ♀. Holotype or syntypes: ♀, Argentina: Mendoza: Mendoza (Halle). – Schrottky, 1909b:245 (Argentina: Mendoza), 1913a:226 (Argentina: Mendoza). – **As *Stizus bicinctus***: Patton, 1879c:347 (new generic assignment); Handlirsch, 1892:62 (in revision of world Bembecini); Dalla Torre, 1897:520 (in catalog of world Sphecidae); Schrottky, 1903b:177 (in checklist of Hymenoptera of Argentina, Paraguay, and Uruguay). – **As *Bembecinus bicinctus***: Willink, 1949:87 (new generic assignment, in revision of Neotropical Bembecinus); Evans and Matthews, 1974:131 (nesting behavior); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Amarante, 2002:22 (in catalog of Neotropical Crabronidae); Evans and O'Neil, 2007:88 (summary of information on nesting habits).

22. bidens (Arnold)

Stizus bidens Arnold, 1933a:357, ♀, ♂. Syntypes: Ethiopia: Maraquo (BMNH). – Guiglia, 1939d:69 (Ethiopia: Sidamo: Neghelli, now Negele). – **As *Bembecinus bidens***: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae).

*As *Stizus gracilis**: Magretti, 1922:935 (Ethiopia: Boukrat), corrected to *Stizus bidens* by Guiglia, 1939d:69.

23. bimaculatus (Matsumura and Uchida)

Stizus bimaculatus Matsumura and Uchida, 1926:43, ♀. Holotype: ♀, Japan: Okinawa: Ishigakijima (Hokkaido Univ., Sapporo). – Sonan, 1928:266 (citation of Matsumura and Uchida, 1926). – **As *Bembecinus bimaculatus***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); Tsuneki, 1965a:14 (as new synonym of *Bembecinus tridens*), 1971i:8 (Ryukyu Islands; full species status, redescription, synonymy); Tano, 1972:23 (Japan: Ryukyu Islands); Tsuneki, 1972b:3 (redescription); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Tsuneki, 1982f:49 (Ryukyu Islands; variation); Kifune and Yamane, 1985:51 (styloped by *Paraxenos nagatomii* Kifune, Strepsiptera); Tsuneki, 1982g:64 (known from Ryukyu archipelago); Kifune, 1988:305 (styloped by *Paraxenos nagatomii* Kifune, 1985, Strepsiptera); Yamane, Ikudome, and Terayama, 1999:536 (in Identification Guide to Crabronidae of Nansei = Ryukyu Islands, Japan); Terayama, 2006:14, 16 (in key to Japanese Bembecinae); Evans and O'Neil, 2007:56 (summary of information on stylopedization).

Stizus okinawanus Sonan, 1928:265, ♀ or ♂ (original conflicting data). Holotype: Japan: Okinawa: Nago (J. Sonan coll., now?). Synonymized with *Bembecinus bimaculatus* by Tsuneki, 1971i:8. – Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); Tsuneki, 1968h:22 (Ryukyu Islands: Island of Yoron), 25 (in key to *Bembecinus* of Taiwan and southern Ryukyus).

Bembecinus ryukyensis Tsuneki, 1968h:21, ♀, ♂. Holotype: ♀, Japan: Ryukyu Islands: Island of Iriomote (Kyushyu Univ.). Synonymized with *Bembecinus bimaculatus* by Tsuneki, 1971i:8. – Tsuneki, 1968h:24, 25 (in key to *Bembecinus* of Taiwan and southern Ryukyus); Tano, 1969:73 (Japan: Ryukyu Islands: Yaeyama Group).

24. *birecikensis* Schmid-Egger

Bembecinus birecikensis Schmid-Egger, 2004b:44, ♀, ♂. Holotype: ♂, Turkey: Birecik (SIF). – Ljubomirov and Yildirim, 2008:100 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Atbaei, Fallahzadeh, and Ljubomirov, 2015:6 (first record from Iran: Fars Province); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:39 (Iran: known from Fars Province); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

25. *bishoppi* Krombein and Willink

Bembecinus bishoppi Krombein and Willink, 1951:710, ♀, ♂. Holotype: ♂, USA: Texas: Midland (USNM). – Krombein in Muesebeck, Krombein, and Townes, 1951:994 (in catalog of North American Hymenoptera); LaBerge, 1956:528 (paratype in Snow Entomological Museum); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Krombein, 1979b:1703 (in catalog of North American Hymenoptera); R. Bohart, 1996a:521 (in revision of *Bembecinus* of North and Central America).

26. *boer* (Handlirsch)

Stizus boer Handlirsch, 1900b:471, ♀, ♂ (as *Boër*, incorrect original capitalization and diacritic mark). Syntypes: South Africa: Free State: Bothaville (TMP). – Arnold, 1929a:274 (in revision of southern African Sphecidae), 1930:19 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus boer***: R. Bohart and Menke, 1976:530 (new generic assignment, in checklist of world Sphecidae).

Stizus boer var. *rufipes* Arnold, 1929a:275, ♂, junior secondary homonym of *Stizus rufipes* (Fabricius, 1804). Holotype: ♂, South Africa: Eastern Cape Province: Alival North (BMNH). Synonymized with *Bembecinus boer* by R. Bohart in R. Bohart and Menke, 1976:530. – Arnold, 1930:19 (in checklist of Afrotropical Sphecidae).

Stizus boer var. *willowmorensis* Arnold, 1936:27, ♀, ♂. Syntypes: South Africa: Eastern Cape Province: Willowmore (TMP). Synonymized with *Bembecinus boer* by R. Bohart in R. Bohart and Menke, 1976:530. – Arnold, 1930:19 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus willowmorensis***: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described, assigned to *Bembecinus tridens* species group).

27. *borneanus* (Cameron)

Stizus borneanus Cameron, 1903d:158, ♀. Holotype or syntypes: ♀, Malaysia: Borneo (Sarawak): Kuching (BMNH). – **As *Bembecinus borneanus***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); van der Vecht, 1949:300 (in revision of *Bembecinus* of Java); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae).

28. *bridarollii* Willink

Bembecinus bridarollii Willink, 1949:106, ♂. Holotype: ♂, Argentina: Santa Fe: El Piquete (originally Colegio Máximo, San Miguel, F.C. Pacífico, Provincia de Buenos Aires, now MACN). – R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Fritz, 1993:16 (holotype in M. Fritz coll.); Amarante, 2002:22 (in catalog of Neotropical Crabronidae).

29. *brooksi* R. Bohart

Bembecinus brooksi R. Bohart, 1997a:172, ♀, ♂. Holotype: ♂, Madagascar: Toliara: Beza Mahafaly Reserve (Kansas Univ.). – Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Madl, 2014a:941 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Malagasy subregion, with synonymy and locality records).

30. broomfieldi Krombein

Bembecinus broomfieldi Krombein, 1984b:18, ♀, ♂. Holotype: ♀, Sri Lanka: Trincomalee District: Trincomalee near China Bay Ridge Bungalow (USNM).

31. buyssoni (Arnold)

Stizus buyssoni Arnold, 1929a:277, ♀, ♂ (as *Buyssoni*, incorrect original capitalization, authorship attributed to Brauns).

Syntypes: Zimbabwe: Bulawayo and Khami (SAM, TMP). – Arnold, 1930:19 (in checklist of Afrotropical Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:40 (syntypes in Bulawayo Museum). – *As Bembecinus buyssoni*: R. Bohart and Menke, 1976:530 (new generic assignment, in checklist of world Sphecidae).

Stizus buyssoni flavitarsis Arnold, 1960b:467, ♀. Holotype: ♀, Zimbabwe: Victoria Falls (SAM). Synonymized with *Bembecinus buyssoni* by Bohart and Menke, 1976:530.

32. bytinskii de Beaumont

Bembecinus bytinskii de Beaumont, 1954f:255, ♀, ♂. Holotype: ♂, Israel: Naharia (H. Bytinski-Salz coll.). – de Beaumont and Bytinski-Salz, 1955:50 (Israel); Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Guichard, 1980:229 (Oman); Roche, 1981:4 (in checklist of Sphecidae of United Arab Emirates); Schmid-Egger, 2004b:26 (in revision of Palearctic *Bembecinus*); Gadallah and Assery, 2004a:219 (in key to Sphecidae of Jeddah Region, Saudi Arabia: Hadasham 120 km east of Jeddah), 232 (in catalog of Sphecidae of Saudi Arabia), 2004b:1397 (skeletal parts of sting apparatus); Schmid-Egger, 2009:761 (Oman: Muscat, Muslimat, Solrai, Nizwa; Saudi Arabia: El Riyadh; Yemen: north-northeast of Al Hudaydah at 14°52'N 43°24'E), 2011b:497 (United Arab Emirates: several localities), 498 (color photograph); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:347 (in new catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2014:536 (United Arab Emirates); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Gadallah, 2020b:24 (in list of aculeate wasps of Arabian Peninsula); Gadallah, Abu el-Ghiet, and Edmardash, 2021:1700 (Saudi Arabia: Jazan Province); Gadallah and Abu El-Ghiet, 2024:75 (Saudi Arabia: Jazan Province: Damad).

33. caffer (de Saussure)

Stizus caffer de Saussure, 1854:28, ♀. Holotype or syntypes: ♀, Caffraria, now South Africa: no specific locality (MHNG). – Handlirsch, 1892:76 (in revision of world Bembicini), 1895:980 (relationships); Dalla Torre, 1897:521 (in catalog of world Sphecidae); R. Turner, 1912b:339 (description of ♂); Arnold, 1929a:281 (in revision of southern African Sphecidae), 1930:19 (in checklist of Afrotropical Sphecidae). – *As Larra caffer*: F. Smith, 1856:338 (new generic assignment, redescription of ♀, in catalog of Hymenoptera in British Museum); de Saussure, 1863:69 (transfer to *Larra* reported). – *As Stizolarra caffra*: de Saussure, 1887:9 (new generic assignment). – *As Bembecinus caffer*: R. Bohart and Menke, 1976:530 (new generic assignment, in checklist of world Sphecidae); R. Bohart, 1997a:167 (variation in 2nd submarginal cell).

Stizus bredoi Arnold, 1946:88, ♀, ♂ (as *Bredoi*, incorrect original capitalization). Syntypes: Zambia: Abercorn, now Mbala (SAM). Synonymized with *Bembecinus caffer* by R. Bohart, 1997a:167. – Hancock, Chahwanda, and Mhlanga, 1995:40 (syntype in Bulawayo Museum). – *As Bembecinus bredoi*: R. Bohart and Menke, 1976:530 (new generic assignment, in checklist of world Sphecidae).

34. carinatus Lohrmann

Bembecinus carinatus Lohrmann, 1942b:212, ♂. Holotype: ♂, Croatia: Dalmatia: no specific locality (NHMW). – Lohrmann, 1943:193 (in checklist of recently described *Bembecinus*), 197 (member of *Bembecinus meridionalis* species group); de Beaumont, 1954f:257 (in revision of western Palearctic *Bembecinus*; probably not a European species); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Dollfuss, 1989:7 (type material in NHMW); Schmid-Egger, 2004b:66 (in revision of Palearctic *Bembecinus*, not a European species); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae).

35. *carpetanus* (Mercet)

Stizus carpetanus Mercet, 1906a:144, ♀, ♂ (as *Carpetus*, incorrect original capitalization). Syntypes: Spain: Madrid: Escorial and Los Molinos (MNCN). – Mercet, 1906a:151, 155 (in key to Spanish *Stizus*); Giner Marí, 1934:132 (Spain); Dusmet y Alonso, 1935:49 (Spain: Madrid: Montarco and Vaciamadrid), 56 (Spain: Madrid: El Escorial); Giner Marí, 1943a:188 (in Sphecid Fauna of Spain); de Beaumont, 1950a:62 (redescription), 1951e:274 (member of *Stizus crassipes* species group); Ceballos, 1956:388 (in catalog of Hymenoptera of Spain). – **As *Bembecinus carpetanus***: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*), 197 (member of *Bembecinus crassipes* species group); de Beaumont, 1954f:265 (in revision of western Palearctic *Bembecinus*); Ceballos, 1956:388 (in catalog of Hymenoptera of Spain), 1959:230 (in supplement to catalog of Spanish Sphecidae); Suárez, 1959:55 (Spain: Almería Province); de Beaumont, 1962b:23 (Spain), 31 (redescription); Ceballos, 1964:92 (in supplement to catalog of Spanish Sphecidae); Diniz, 1973:47 (Portugal: Coimbra, Evora, Rezende); Erlandsson, 1974:66 (Spain); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Gayubo, 1982b:46 (Spain: Cáceres and Salamanca provinces), 1882e:107 (Spain: Cádiz Province), 1983e:235 (Spain: Salamanca Province); Gayubo and Tormos, 1984:21 (Spain: Valencia Province); Gayubo, 1986a:65 (Spain: Ciudad Real Province), 1986b:40 (Spain: Andalucía Province), 1986d:120 (Spain: Zamora Province); Gayubo and Sanza, 1986:79 (Spain: Burgos, Segovia); Gayubo and Tormos, 1986a:13 (Spain: Castellón de la Plana); Asís and Jiménez, 1988:274 (Spain: Castellón Province); Gayubo, Asís, and Tormos, 1990b:78 (Spain: Badajoz and Cáceres Provinces); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:247 (in Sphecid Fauna of Western Europe); Gayubo, García, Torres, and González, 1999:91 (Spain: Soria Province); Gayubo, González, and Torres, 2000:187 (Spain: Salamanca Province); Schmid-Egger, 2004b:45 (in revision of Palearctic *Bembecinus*); Gayubo, González, Tormos, and Asís, 2008:137 (Spain: Salamanca: Parque Natural de Las Batuecas – Sierra de Francia); 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); Schmid-Egger, 2009:763 (Spain: Andalucía: Alboloduy; Murcia: 25 km southwest of Cartagena); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Vieira, Oliveira, Brewster, and Gayubo, 2013:15 (Portugal: Douro International Natural Park); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:292 (in Sphecid Fauna of Europe); Cross, Baldock, and Wood, 2021:29 (in catalog of Sphecidae *sensu lato* of Portugal).

36. *chilwae* R. Bohart

Bembecinus chilwae R. Bohart, 1997a:167, ♀, ♂. Holotype: ♂, Malawi (not Mozambique, as stated in the original description!); Lake Chilwa (BMNH).

37. *cinguliger* (F. Smith)

Larra cinguliger F. Smith, 1856:341, ♀. Holotype or syntypes: ♀, interior of South Africa: no specific locality (BMNH). – **As *Stizus cinguliger***: Handlirsch, 1892:178 (new generic assignment, original description translated into German); Dalla Torre, 1897:522 (in catalog of world Sphecidae); R. Turner, 1912b:340 (listed); Arnold, 1929a:291 (in revision of southern African Sphecidae, South Africa: Willowmore), 1930:20 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus cinguliger***: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus cinguliger* species group); Evans, 1966d:135 (discussion of sleeping aggregations observed by Brauns, 1911a, as *clavicornis*); F. Gess and S. Gess, 1975:22 (nesting habits); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Gess, 1981:16 (South Africa: Hilton Farm 18 km west-northwest of Grahamstown; nesting in nonfriable soils), 41 (use of water and vibration of wings during nest excavation), 42 (foretarsal rake absent), 44 (nest vertical), 45 (nest structure), 48 (progressive provisioning), 50 (nest building depending on water available for moisture ground; no competition for nesting sites and prey with *Bembecinus braunsii* and *B. haemorrhoidalis*), 51

(temporary closure only at the end of working day); S. Gess, 1996:276 (floral records); S. Gess and F. Gess, 2003:114 (South Africa: visiting flowers of *Deverra denudata* (Viv.) Pfisterer and Podl., Apiaceae, *Helichrysum ericifolium* Less., *Maytenus linearis* (L. f.) Marais, Celastraceae, *Acacia karroo* Hayne, Fabaceae, and *Selago corymbosa* L., Scrophulariaceae); Evans and O'Neil, 2007:56 (summary of information on nesting habits).

Stizus clavicornis Handlirsch, 1892:95, ♀, ♂. Syntypes: South Africa: no specific locality (NHMW, Stuttgart, BMNH). Synonymized with *Stizus cinguliger* by Arnold, 1929a:291. – Handlirsch, 1895:986 (Transvaal, Cape Province); Dalla Torre, 1897:522 (in catalog of world Sphecidae); Brauns, 1911a:92 (nesting habits).

38. *clypearis* R. Bohart

Bembecinus clypearis R. Bohart, 1996a:521, ♀, ♂. Holotype: ♀, USA: Arizona: Santa Cruz County: 4 mi east of Nogales (UCD). – Ohl and Linde, 2003:150 (number of ovarioles).

39. *comberi* (R. Turner)

Stizus comberi R. Turner, 1912b:337, ♂. Holotype or syntypes: ♂, Sri Lanka: Sigiri (BMNH). – Ramakrishna Aiyar, 1916:557 (in catalog of Indian aculeates described after Bingham, 1897). – *As Bembecinus comberi*: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Krombein, 1984b:4 (nesting habits), 14 (in revision of Sri Lankan *Bembecinus*); Evans and O'Neil, 2007:91 (summary of information on nesting habits).

40. *comechingon* Willink

Bembecinus comechingon Willink, 1949:108, ♂. Holotype: ♂, Argentina: Cordoba: Carlos Paz (originally Colegio Máximo, San Miguel, F.C. Pacifico, Provincia de Buenos Aires, now MACN). – R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Fritz, 1993:16 (holotype in M. Fritz coll.); Amarante, 2002:22 (in catalog of Neotropical Crabronidae).

41. *consobrinus* (Handlirsch)

Stizus consobrinus Handlirsch, 1892:61, ♀, ♂. Syntypes: Brazil: Rio Grande do Sul: no specific locality (NHMW). – Dalla Torre, 1897:522 (in catalog of world Sphecidae). – *As Bembecinus consobrinus*: Willink, 1949:89 (new generic assignment, in revision of Neotropical *Bembecinus*); Evans, 1966d:135 (sleeping aggregations observed by Willink, 1949); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Amarante, 2002:22 (in catalog of Neotropical Crabronidae).

42. *corpulentus* (Arnold)

Stizus braunsii var. *corpulentus* Arnold, 1929a:270, ♀, ♂. Syntypes: southern Africa: no specific country or locality (SAM). – Arnold, 1930:19 (in checklist of Afrotropical Sphecidae), 1936:27 (should be considered a distinct species), 1951:127 (Ethiopia: Lake Bishoftu); Hancock, Chahwanda, and Mhlanga, 1995:39 (syntypes in Bulawayo Museum). – *As Bembecinus corpulentus*: R. Bohart and Menke, 1976:530 (new generic assignment, in checklist of world Sphecidae)

43. *crassipes* (Handlirsch)

Stizus crassipes Handlirsch, 1895:971, ♀, ♂ (♀ = *hungaricus*). Syntypes: Spain: Barcelona (NHMW). – Dalla Torre, 1897:523 (in catalog of world Sphecidae); Antiga and Bofill, 1904:17 (Spain: Cataluña Province); Mercet, 1906a:150, 154 (in key to Spanish *Stizus*); Handlirsch, 1908b:241 (establishing *Stizus crassipes* species group); Dusmet y Alonso, 1935:56 (Spain: Madrid: El Escorial); Giner Marí, 1943a:187 (in Sphecid Fauna of Spain); de Beaumont, 1950a:62 (redescription), 1951e:274 (member of *Stizus crassipes* species group); Ceballos, 1956:388 (in catalog of Sphecidae of Spain). – *As Bembecinus crassipes*: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus crassipes* species group); de Beaumont, 1954f:265 (in revision of western Palearctic *Bembecinus*); Ceballos, 1959:230 (in supplement to catalog of Spanish Sphecidae); de Beaumont, 1962b:23 (Spain: Canet de

Mar), 31 (additions to earlier descriptions); Ceballos, 1964:92 (in supplement to catalog of Spanish Sphecidae); R. Bohart and Menke, 1976:530 (in checklist of world Sphecidae); Hamon, Foucart, and Fonfria, 1993:468 (diagnostic characters), 469 (first record from France: Banyuls-sur-Mer); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:247 (in Sphecid Fauna of Western Europe); Schmid-Egger, 2004b:45 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Bitsch, Barbier, and Jacobs *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:292 (in Sphecid Fauna of Europe).

44. *cyprius* de Beaumont

Bembecinus cyprius de Beaumont, 1954f:266, ♀, ♂. Holotype: ♂, Cyprus: Polemidia Hills (Lausanne). – de Beaumont, 1967a:301 (in key to *Bembecinus* of Turkey), 306 (Turkey; variation); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:46 (in revision of Palearctic *Bembecinus*); Ljubomirov and Yildirim, 2008:101 (in catalog of Crabronidae of Turkey); Schmid-Egger, 2009:763 (comparison with *Bembecinus meridionalis*, recognition characters; Greece: Isle of Lesbos, Turkey: Bodrum: Salmakis, 8 km northeast of Isparta, Burdur 5 km northeast of Yeşilova); Yıldırım, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:7 (Azerbaijan: Nakhichevan Autonomous Republic); Bitsch, Barbier, and Jacobs *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:293 (in Sphecid Fauna of Europe); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

45. *damarensis* F. Gess and Pulawski

Bembecinus damarensis F. Gess and Pulawski *in* F. Gess, Pulawski, and S. Gess, 2015:217, ♀, ♂. Holotype: ♀, Namibia: Otjozondjupa Region: Osire (Albany Museum, Grahamstown). – F. Gess, Pulawski, and S. Gess, 215:212, 213 (in key to *Bembecinus rhopalocerus* species group).

46. *decoratus* Guichard

Bembecinus decoratus Guichard, 1980:229, ♀, ♂. Syntypes: Oman: Rostaq (originally K.M. Guichard coll., now BMNH) – Guichard, 1991a:339 (Jordan); Schmid-Egger, 2004b:47 (in revision of Palearctic *Bembecinus*), 2009:764 (Oman: Nizwa), 2011b:497 (United Arab Emirates: 15 km northeast of ad-Dhaid, Sharjah), 499 (color photographs of male and female); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Gadallah, 2020b:24 (in list of aculeate wasps of Arabian Peninsula).

47. *dentiventris* (Handlirsch)

Stizus dentiventris Handlirsch, 1895:983, ♂. Holotype: ♂, South Africa (as “Caffria”): no specific locality (ZMHU). – Dalla Torre, 1897:523 (in catalog of world Sphecidae); Arnold, 1929a:285 (in revision of southern African Sphecidae), 1930:20 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus dentiventris***: R. Bohart and Menke, 1976:531 (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).

48. *discolor* (Handlirsch)

Stizus discolor Handlirsch, 1892:78, ♀, ♂. Syntypes: Algeria: no specific locality (Kraków?). – Dalla Torre, 1897:523 (in catalog of world Sphecidae); Bingham, 1898a:106 (Yemen: Aden); W. Schulz, 1905b:42 (Algeria: Biskra); Handlirsch, 1908b:24 (correction to earlier description); Morice, 1911:116 (Algeria: Biskra); Nadig, 1933:87 (Morocco: Asni: Goundafa); de Beaumont, 1950f:400 (Algeria), 1951e:281 (Morocco). – **As *Bembecinus discolor***: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus discolor* species group); de Beaumont, 1954f:275 (in revision of western Palearctic *Bembecinus*); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:20 (in revision of Palearctic *Bembecinus*), 2009:760 (Tunisia: Tamerza); Nemkov,

2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Ben Khedher, Yildirim, Braham, and Chaaban, 2019:190 (known from Tunisia: Tozeur Province); Gadallah, 2020b:24 (in list of aculeate wasps of Arabian Peninsula); Ben Khedher, Yildirim, and Braham, 2022:4 (in checklist of Bembicinae of Tunisia).

49. *distinctus* (Arnold)

Stizus distinctus Arnold, 1955:757, ♀, ♂. Holotype: sex not stated, Namibia: Brandkaross or Richtersveld (TMP). – **As Bembecinus distinctus**: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

50. *egens* (Handlirsch)

Stizus egens Handlirsch, 1892:51, ♀. Holotype: ♀, Australia: Queensland: Port Denison (MHNG). – Dalla Torre, 1897:523 (in catalog of world Sphecidae). – **As Bembecinus egens**: Evans and Matthews, 1971b:304 (new generic assignment, nesting behavior); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Cardale, 1985:284 (in catalog of Australian Sphecidae); Evans and O'Neil, 2007:56 (summary of information on nesting habits).

51. *escalerae* (R. Turner)

Stizus escalerae R. Turner, 1912b:339, ♂. Holotype or syntypes: ♂, Iran: Haut-Kharum: Kaemenogra (BMNH). – **As Bembecinus escalerae**: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*), 197 (member of *Bembecinus cinguliger* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae).

52. *facialis* (Handlirsch)

Stizus facialis Handlirsch, 1892:48, ♂. Holotype: ♂, Indonesia: Maluku Province: Aru Islands: no specific locality (TMB). – Handlirsch, 1895:978 (Indonesia: Aru); Dalla Torre, 1897:524 (in catalog of world Sphecidae). – **As Bembecinus facialis**: van der Vecht, 1949:305 (new generic assignment, bibliographic references); R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

53. *feroni* (Handlirsch)

Stizus feroni Handlirsch, 1908b:242, ♀, ♂ (as *Feroni*, incorrect original capitalization). Syntypes: Algeria: Tébessa (NHMW). – Ferton, 1908:556 (nesting habits); de Beaumont, 1951e:274 (member of *Stizus crassipes* species group); Piek and Spanjer, 1986:190 (in list of Sphecidae with known prey). – **As Bembecinus feroni**: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*), 197 (member of *Bembecinus crassipes* species group); de Beaumont, 1954f:267 (in revision of western Palearctic *Bembecinus*); Evans, 1966d:137 (nest excavation, temporary closure), 138 (nest structure), 142 (summary of prey records); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:20 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Ben Khedher, Yildirim, and Braham, 2022:4 (in checklist of Bembicinae of Tunisia).

54. *flavipes* (F. Smith)

Larra flavipes F. Smith, 1856:343, ♀. Holotype or syntypes: Gambia: no specific locality (BMNH). – **As Stizus flavipes**: Handlirsch, 1892:179 (new generic assignment, original description translated into German); Dalla Torre, 1897:524 (in catalog of world Sphecidae); Arnold, 1929a:271 (original description copied, comments), 1930:19 (in checklist of Afrotropical Sphecidae). – **As Bembecinus flavipes**: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

55. *flavopictus* (Arnold)

Stizus flavopictus Arnold, 1936:24, ♂. Holotype: ♂, Namibia: Ongandjera (TMP). – **As Bembecinus flavopictus**: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*), 197 (member of *Bembecinus cinguliger* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

56. flexuosefasciatus (Mantero)

Stizus flexuosefasciatus Mantero, 1917:367, ♂. Holotype: ♂, Eritrea: Khor Gerbab (MSNG). – **As Bembecinus flexuosefasciatus**: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*), 197 (member of *Bembecinus discolor* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Madl, 2023:242 (in catalog of Crabronidae of Eritrea).

57. floridanus Krombein and Willink

Bembecinus nanus floridanus Krombein and Willink, 1951:706, ♂. Holotype: ♂, USA: Florida: Miami (USNM). – Krombein in Muesebeck, Krombein, and Townes, 1951:994 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Krombein, 1979b:1703 (in catalog of North American Hymenoptera). *Bembecinus* 13 – **As Bembecinus floridanus**: R. Bohart, 1996a:522 (new status, in revision of *Bembecinus* of North and Central America).

As Larra moneduloides F. Smith, 1856:346, ♂ only, corrected to *Bembecinus nanus floridanus* by Krombein and Willink, 1951:705.

58. fraterculus (Arnold)

Stizus fraterculus Arnold, 1929a:272, ♀, ♂. Syntypes: Zimbabwe: Bulawayo (SAM). – Arnold, 1930:19 (in checklist of **Afrotropical** Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:40 (syntypes in Bulawayo Museum). – **As Bembecinus fraterculus**: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

59. garipeus F. Gess and Pulawski

Bembecinus garipeus F. Gess and Pulawski in F. Gess, Pulawski, and S. Gess, 2015:219, ♀, ♂. Holotype: ♀, South Africa: Northern Cape Province: Richtersveld (Albany Museum, Grahamstown). – F. Gess, Pulawski, and S. Gess, 2015:211, 212 (in key to *Bembecinus rhopalocerus* species group).

60. gazagnairei (Handlirsch)

Stizus gazagnairei Handlirsch, 1892:86, ♀, ♂ (as *Gazagnairei*, incorrect original capitalization). Syntypes: Algeria: Némours, now Ghazaouet (NHMW). – Schmiedeknecht, 1896:159 (Algeria: Hammam-Bou-Hadjjar); Dalla Torre, 1897:524 (in catalog of world Sphecidae); Handlirsch, 1898b:489 (Algeria); Graeffe, 1906:455 (Tunisia: Tunis area); Ferton, 1908:556 (nesting habits); Morice, 1911:117 (Algeria: Constantine); de Beaumont, 1950f:400 (Algeria). – **As Bembecinus gazagnairei**: de Beaumont, 1954f:272 (new generic assignment, in revision of western Palearctic *Bembecinus*); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:48 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Ben Khedher, Yildirim, and Braham, 2022:4 (in checklist of Bembicinae of Tunisia).

61. gilvus R. Bohart

Bembecinus gilvus R. Bohart, 1997a:168, ♀. Holotype: ♀, Namibia: Gobabeb (USNM). – S. Gess and F. Gess, 2003:115 (Namibia: visiting flowers of *Gisekia africana* (Lour.) Kuntze and *Limeum sulcatum* (Klotsch) Hutch., Molluginaceae, *Vahlia capensis* (L. f.) Thunb., Vahliaceae, and *Zygophyllum simplex* L., Zygophyllaceae); F. Gess, Pulawski, and S. Gess, 2015:211, 213 (in key to *Bembecinus rhopalocerus* species group), 221 (in revision of *Bembecinus rhopalocerus* species group).

62. gorytoides (Handlirsch)

Stizus gorytoides Handlirsch, 1895:985, ♀. Syntypes: Pacific Ocean: no specific locality (MHNG). – Dalla Torre, 1897:525 (in catalog of world Sphecidae). – **As Bembecinus gorytoides**: Lohrmann, 1943:197 (new generic assignment, possibly member of *Bembecinus inermis* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Cardale, 1985:284 (in catalog of Australian Sphecidae).

63. gracilicornis (Handlirsch)

Stizus gracilicornis Handlirsch, 1892:93, ♀. Syntypes: ♀, Armenia or Azerbaijan: Arax Valley; no specific locality (NHMW). – Handlirsch, 1895:983 (description of ♂); Dalla Torre, 1897:525 (in catalog of world Sphecidae); Gussakovskij, 1933b:290 (Iran, Tajikistan). – **As *Bembecinus gracilicornis***: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus discolor* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Kazenas, 1978b:85 (in key to Sphecidae of Kazakhstan and Central Asia); Nazarova, 1998:42 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001b:49 (in checklist of Sphecidae of Kazakhstan and Central Asia); Schmid-Egger, 2004b:21 (in revision of Palearctic *Bembecinus*); Ebrahimi, 2006:1 (Iran); Schmid-Egger, 2009:760 (variation; Iran: Khorasan; Turkey: Mansisa: 15 km southeast of Salihi at 38°25'N 28°19'E); Nemkov, 2012e:3 (in revision of *Bembecinus* of Russia and adjacent countries); Ebrahimi, 2014:30 (Iran: Khorāsān-e Razavi: Ghāen: Noghand); Schmid-Egger, 2014:536 (first record from Arabian Peninsula and United Arab Emirates: Sharjah Desert Park, color variation), 537 (color photographs of female from Central Asia), 538 (color photograph of female from United Arab Emirates); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:39 (Iran: known from Khorasan-e Razavi, South Khorasan, and Sistan-o Baluchestan provinces); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Gadalalah, 2020b:24 (in list of aculeate wasps of Arabian Peninsula); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

Stizus barrei Radoszkowski, 1893a:63, ♀, ♂ (as *Barrei*, incorrect original capitalization). Syntypes: Turkmenistan: Serax (Kraków). Synonymized with *Stizus gracilicornis* by Handlirsch, 1895:983.

64. *gracilis* (von Schulthess)

Stizus gracilis von Schulthess, 1893:19, ♂. Holotype: ♂, Somalia: Webi Valley (Zurich). – Handlirsch, 1895:976 (redescription); Dalla Torre, 1897:525 (in catalog of world Sphecidae); nec Magretti, 1922:935 (= *Bembecinus gracilis*); Arnold, 1929a:278 (original description translated into English), 1930:19 (in checklist of Afrotropical Sphecidae); Guiglia, 1939d:70 (redescription of type). – **As *Bembecinus gracilis***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

65. *guichardi* Schmidt-Egger

Bembecinus guichardi Schmid-Egger, 2004b:18, ♀, ♂. Holotype: ♂, Turkey: 24 km east of Malatya (OÖLM). – Ljubomirov and Yildirim, 2008:101 (in catalog of Crabronidae of Turkey); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:39 (Iran: known from Hormozgan Province); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

66. *gusenleitneri* de Beaumont

Bembecinus gusenleitneri de Beaumont, 1967a:309, ♀, ♂. Holotype: ♂, Turkey: Konya: Beysehir (J. Gusenleitner coll., Linz, Austria). – de Beaumont, 1967a:301 (in key to *Bembecinus* of Turkey), 1969:84 (Turkey, description of ♀); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:49 (in revision of Palearctic *Bembecinus*); Ljubomirov and Yildirim, 2008:101 (in catalog of Crabronidae of Turkey); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

67. *gynandromorphus* (Handlirsch)

Stizus gynandromorphus Handlirsch, 1892:89, ♀, ♂. Syntypes: Syria: no specific locality (NHMW). – Dalla Torre, 1897:525 (in catalog of world Sphecidae); Balthasar, 1954b:276 (Palestine: Jerusalem). – **As *Bembecinus gynandromorphus***: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus meridionalis* species group); de Beaumont, 1954f:274 (in revision of western Palearctic *Bembecinus*); de Beaumont and Bytinski-Salz, 1955:51 (Israel); de Beaumont, 1967a:301 (in key to *Bembecinus* of Turkey), 310 (Turkey), 1969:84 (Turkey); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:50 (in revision of Palearctic *Bembecinus*); Ljubomirov and Yildirim, 2008:102 (in catalog of Crabronidae of Turkey); Schmid-Egger, 2009:764 (Jordan: Irbid region; Syria: Ebla; Turkey: 8 km northeast of Isparta, Burdur: 5 km northeast of Yeşilova); Murai and Amr, 2011:118 (recorded from Syria by Handlirsch, 1892); Sakenin, Samin, Bagriacik, and Rastegar, 2011:2 (Iran: Kordestan: Sanandaj); Yıldırım, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:39 (Iran: known from Kordestan Province); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:7 (Azerbaijan: Nakhichevan Autonomous Republic); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

68. *haemorrhoidalis* (Handlirsch)

Stizus haemorrhoidalis Handlirsch, 1900b:472, ♀, ♂. Syntypes: South Africa: Free State: Bothaville; Eastern Cape Province: Sunday River, Kowie, Algoa Bay (TMP). – R. Turner, 1912b:338 (South Africa, Zimbabwe); Arnold, 1929a:273 (in revision of southern African Sphecidae), 1930:19 (in checklist of Afrotropical Sphecidae), 1951:126 (Ethiopia). – **As *Bembecinus haemorrhoidalis***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae); F. Gess, 1981:20 (South Africa; nesting in fine sand; prey), 40 (use of foretarsal rake), 42 (tarsal rake present), 44 (nest oblique), 50 (no competition for nesting sites and prey with *Bembecinus cinguliger* and *B. oxydorcus*), 51 (temporary closure maintained throughout working day); S. Gess, 1996:304 (floral records); S. Gess and F. Gess, 2003:115 (South Africa: visiting flowers of *Hermbsaedia glauca* (Wendl.) Reichb. ex Steud., Amarantaceae, *Foeniculum vulgare* Mill., Apiaceae, *Ziziphus mucronata* Willd., Rhamnaceae, and *Phyllopodium cuneifolium* (L. f.) Benth. and *Selago corymbosa* L., Scrophulariaceae); Evans and O'Neil, 2007:92 (summary of information on nesting habits).

ssp. *chirindensis* (Arnold)

Stizus haemorrhoidalis var. *chirindensis* Arnold, 1936:26, ♂. Holotype: ♂, Zimbabwe: Chirinda Forest (SAM). – **As *Bembecinus chirindensis*** Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); not listed by Bohart and Menke (1976).

69. *haplocerus* (Handlirsch)

Stizus haplocerus Handlirsch, 1895:981, ♂. Holotype: ♂, South Africa: Western Cape Province: Cape of Good Hope (ZMHU). – Dalla Torre, 1897:525 (in catalog of world Sphecidae); Arnold, 1929a:283 (in revision of southern African Sphecidae, description of ♀, Zimbabwe), 1930:19 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus haplocerus***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

70. *hebraeus* de Beaumont

Bembecinus hebraeus de Beaumont, 1968b:160, ♂. Holotype: ♂, Israel: Ein Gedi (W. Schlaefle coll.). – R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:50 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae).

71. *heinrichi* Schmid-Egger

Bembecinus heinrichi Schmid-Egger, 2004b:51, ♀, ♂. Holotype: ♂, Turkey: Urfa (SIF). – Ljubomirov and Yildirim, 2008:102 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey

by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Kaplan and Yıldırım, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

72. *helicicola* Pulawski

Bembecinus helicicola Pulawski in F. Gess, Pulawski, and S. Gess, 2015:222, ♀. Holotype: ♀, South Africa: Northern Cape Province: Richtersveld at 28°29' S 16°40' E (Albany Museum, Gra hamstown). – F. Gess, Pulawski, and S. Gess, 215:211 (in key to *Bembecinus rhopalocerus* species group).

73. *henseni* Schmid-Egger

Bembecinus henseni Schmid-Egger, 2004b:52, ♀, ♂. Holotype: ♂, Turkey: Mardin: Midyat (RMNH). – Ljubomirov and Yıldırım, 2008:102 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Kaplan and Yıldırım, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

74. *herbsti* (Arnold)

Stizus herbsti Arnold, 1929a:289, ♀, ♂ (as *Herbsti*, incorrect original capitalization, authorship attributed to H. Brauns). Holotype: sex not stated, South Africa: North West Province: Lichtenburg (TMP). – Arnold, 1930:20 (in checklist of Afrotropical Sphecidae). – *As Bembecinus herbsti*: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

75. *hirtiusculus* (Arnold)

Stizus hirtiusculus Arnold, 1945:74, ♀, ♂. Syntypes: Madagascar: Antanimora, Bekily (MNHN). – *As Bembecinus hirtiusculus*: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae); Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Madl, 2014a:942 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Malagasy subregion, with synonymy and locality records).

76. *hirtulus* (F. Smith)

Larra hirtula F. Smith, 1856:344, ♂. Holotype or syntypes: ♂, Australia: South Australia: Adelaide (BMNH). – Froggatt, 1892:218 (in catalog of Australian Hymenoptera). – *As Stizus hirtulus*: Handlirsch, 1892:50 (new generic assignment, in revision of world Bembicini); Dalla Torre, 1897:525 (in catalog of world Sphecidae). – *As Bembecinus hirtulus*: Evans and Matthews, 1971b:305, 307, 308 (new generic assignment, nesting habits); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Cardale, 1985:285 (in catalog of Australian Sphecidae); Evans and O'Neil, 2007:92 (summary of information on nesting habits).

77. *hoplites* (Handlirsch)

Stizus hoplites Handlirsch, 1892:84, ♂. Holotype: ♂, South Africa: no specific locality (NHMW). – Dalla Torre, 1897:525 (in catalog of world Sphecidae); Arnold, 1929a:286 (original description translated into English), 1930:20 (in checklist of Afrotropical Sphecidae). – *As Bembecinus hoplites*: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

ssp. minor (Arnold)

Stizus hoplites var. *minor* Arnold, 1929a:286, ♀, ♂. Syntypes: South Africa: Western Cape Province: Ceres (BMNH). – Arnold, 1930:20 (in checklist of Afrotropical Sphecidae). – *As Bembecinus hoplites minor*: R. Bohart and Menke, 1976:531 (new generic assignment, new status, in checklist of world Sphecidae).

78. hungaricus (Frivaldszky)

Larra hungarica Frivaldszky, 1876:354, ♀, ♂ (as *Hungarica*, incorrect original capitalization). Syntypes: Hungary: Budapest and Temes Komitat (now Romania: Timiș District): Grebenáč (TMB). – Sajó, 1882:4 (Hungary); Haris, 2016:14 (in list of species described by J. Frivaldszky from Carpathian Basin). – *As Stizus hungaricus*: Handlirsch, 1892:40 (new generic assignment, in revision of world Bembicini); Dalla Torre, 1897:525 (in catalog of world Sphecidae); Mocsáry, 1897:82 (Hungary except Grebenáč is in today's Romania); Mercet, 1906a:149, 154 (in key to Spanish *Stizus*); Schmiedeknecht, 1907:216 (in key to Hymenoptera of Central Europe); Szilády, 1914:89 (Hungary: Csepel); Dusmet y Alonso, 1915:87 (Spain: Aragón); Maidl, 1922:72 (Croatia); Berland, 1925d:79 (in Sphecid Fauna of France); Picard, 1930:43 (France: Hérault: Palavas; Saône-et-Loire: Cuisery); Schmiedeknecht, 1930:679 (in keys to Hymenoptera of North and Central Europe); Giner Marí, 1934:132 (Spain); Zavadil, 1932:95 (Czechoslovakia); Giner Marí, 1934:132 (Spain); Zavadil, 1934:187 (Slovakia); Gussakovskij, 1935:442 (in key to *Bembecinus tridens* species group); Zavadil, Šustera, and Baťa, 1937:187 (in catalog of Sphecidae of Czechoslovakia); Móczár, 1938d:80 (Hungary: Pótharaszti puszta); Balthasar, 1941b:112 (Czech Republic: eastern Moravia); Giner Marí, 1943a:187 (in Sphecid Fauna of Spain); de Andrade, 1949:19 (Portugal); Scobiola-Palade, 1951:271 (first record from Romania: București, Budești, Giurgiu); Móczár, 1953:310 (Hungary); Grandi, 1954:234 (Italy); Hertzog, 1954:101 (France: Bouches-du-Rhône: Camargue); Atanassov, 1955:199 (first record from Bulgaria: Black Sea shore north of Varna, as Stalin); Vogrin, 1955:34 (Yugoslavia); Ceballos, 1956:389 (in catalog of Hymenoptera of Spain); Balthasar, 1958:337 (Slovakia: Čenkov); Compte Sart, 1959:134 (Spain: Mayorca); Diniz, 1959:30 (Portugal: Paço de Rei); Ceballos, 1964:93 (in supplement to catalog of Spanish Sphecidae). – *As Bembecinus hungaricus*: Zavadil in Zavadil and Šnoflak, 1948:163 (new generic assignment, in key to Sphecidae of Czechoslovakia); de Beaumont, 1954f:251 (in revision of western Palearctic *Bembecinus*); Bytinski-Salz, 1956:225 (Turkey: Aydın, Fınıke, Kalkan); Bajári, 1957a:25 (in key to Hungarian Sphecidae); Puławski, 1958a:168 (Bulgaria: mouth of Ropotamo River; *Stizus japonicus* Sonan, 1934 synonymized); Ceballos, 1959:230 (in supplement to catalog of Spanish Sphecidae); Noskiewicz and Puławski, 1960:87 (in key to Polish Sphecidae); Atanassov, 1962:123 (Bulgaria: Petrich area); nec Tsuneki, 1962a:7 (= *Bembecinus hungaricus amamiensis*); Tano, 1964:38 (Japan: Kyushu: Yakushima Island); Tsuneki, Iida, Hirai, and Sabi, 1964:60 (Japan: Aomori Prefecture: Towada); de Beaumont, 1965a:26 (Greece); Isensee, Lesemann, and Röseler, 1965:612 (Spain: Gerona: no specific locality); Tsuneki, 1965a:1 (detailed analysis of variation in eastern Asia); nec Tsuneki, 1965a:14 (= *Bembecinus posterus*); Tsuneki, 1965c:28 (in key to Bembicinae of Japan and Korea); Evans, 1966d:137 (nest excavation, temporary closure), 138 (nest structure), 139 (egg orientation in cell, progressive provisioning), 142 (summary of prey records); de Beaumont, 1967a:301 (in key to *Bembecinus* of Turkey), 302 (Turkey; var.); Scobiola-Palade, 1967a:161 (Romania: Constanța District: Mangalia), 1967b:38 (Romania); Tsuneki, 1967e:2 (China: Manchuria), 1967i:385 (Ryukyu Islands; var.); Benedek, 1968:72 (Hungary, visiting flowers of *Angelica silvestris* L., Apiaceae); Scobiola-Palade, 1968b:141 (Romania: Island of Letea in delta of Danube), 1968c:383 (Romania: București, Budești, Frătești, Giurgiu); Tano, 1968:34 (Japan); Tsuneki, 1968b:109 (Japan: island of Okinawa); Benedek, 1969a:83 (Hungary: marshy meadow); Zangheri, 1969:1702 (Italy: in catalog of flora and fauna of Romagna Region); Atanassov, 1972a:191 (Bulgaria: Stara Planina Mountains), 1972b:32, 48 (Bulgaria: Stara Planina Mountains); Balthasar, 1972:358 (in Sphecid Fauna of Czechoslovakia); Scobiola-Palade, 1972a:149 (Romania: delta of Danube: Caraorman); Simon Thomas, 1972:179 (France); Diniz, 1973:47 (Portugal: Coimbra, Porto de Rei, Rezende); Erlandsson, 1974:66 (Spain); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Simon Thomas, 1976:4 (France: Lot-et-Garonne: Forêt de Campet); Kazenas, 1978b:84 (in key to Sphecidae of Kazakhstan and Central Asia); Puławski, 1978:207, 208 (in key to Sphecidae of European part of USSR); Radović and Krnić, 1979:unpaginated foldout (nesting in sand, foreleg structure); Kazenas, 1980e:85 (Russia: Amur Oblast'); Eiroa and Novoa, 1985:24 (Spain: Pontevedra: Barra beach near Cangas); Józán, 1985a:181 (Hungary), 1985b:61 (Hungary south of Lake Balaton), 81 (floral records), 84 (ecological and zoogeographic characteristics); Radović, 1985:66 (sting apparatus analyzed); Scobiola-Palade, 1985:95 (Romania: delta of Danube); Józán, 1986:374 (Hungary: Kiskunság National Park); Pádr

in Šedivý, 1989a:167 (in checklist of Czechoslovakian Sphecidae); Pagliano, 1990:74 (in catalog of Italian Sphecidae); Dollfuss, 1991:207 (in key to Sphecidae of North and Central Europe); Gayubo, Borsato, and Osella, 1991:416 (Italy); Negrisolò, 1991:323 (Italy: Venezia Province); Józán, 1992b:176 (Hungary: Boronka-melléki Protected Area); Nemkov, 1992b:250 (Russia: Far East: Leninskiy near Khingan Nature Reserve); Pagliano, 1992:44, 45 (in key to Italian Nyssoninae, now Bembicinae); Hamon, Foucart, and Fonfria, 1993:464 (diagnostic characters); Takahashi 1993:3 (Japan: Hachijo-Jima Island); Gayubo and Borsato, 1994:218 (France: Corse); Józán, 1995:105 (Hungary: projected Duna-Dráva National Park); Gorobchishin, 1995:19 (Ukraine: Kanev Nature Reserve); Kazenas in Nemkov, Kazenas, Budrys, et Antropov, 1995:466 (in key to Sphecidae of Russian Far East); Kazenas and Esenbekova, 1995:80 (Kazakhstan; bibliographic reference to leafhopper prey); Krasnobayev et al., 1995:138 (Russia: Zhiguli Hills northwest of Samara); Negrisolò, 1995a:22 (Italy: Veneto); Negrisolò in Minelli, Ruffo, and La Posta, 1995b:5 (in catalog of Italian fauna); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Minoranskiy and Shkuratov, 1996:81 (Russia: Rostov Oblast'); Wu and Zhou, 1996a:153 (in revision in Economic Insect Fauna of China); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:247 (in Sphecidae Fauna of Western Europe); Celary, 1997:60 (in checklist of Animals of Poland); Schmid-Egger and Niehuis, 1997:13 (first record from Germany: Rheinland-Pfalz: Mombach); K. Schmidt and Schmid-Egger, 1997:6 (in checklist of German Sphecidae); González, Gayubo, and Torres, 1998:74, 75 (Spain: Valladolid Province); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Józán, 1998:312 (Hungary: Duna-Dráva National Park); Gayubo, García, Torres, and González, 1999:91 (Spain: Soria Province); Holuša, 1999:39 (Czech Republic: Lužnice); Yamane, Ikudome, and Terayama, 1999:536 (Japan: in Identification Guide to Crabronidae of Nansei = Ryukyu Island); Blösch, 2000:390 (in Sphecidae Fauna of Germany); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); Vepřek, 2000:233 (reference to record from Czech Republic by Holuša, 1999); Zettel, 2000:31 (Austria: Niederösterreich: Drösing); Józán, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:49 (in checklist of Sphecidae of Kazakhstan and Central Asia), 234 (review of known biology); Ohl et al., 2001:137 (distribution in Germany by provinces); Zolda, 2001:3 (Austria: behavior and ecology); Zolda, Ortel, and Waitzbauer, 2001:107 (nesting behavior); Kazenas, 2002a:129 (geographic distribution, collecting localities in Kazakhstan); Shlyakhtenok and Skibinska, 2002:35 (Belorussia: no specific locality); Zolda, 2002:18 (nesting habits); Zolda and Holzinger, 2002:101 (little overlap with *Bembecinus tridens* in prey selection: preying mainly on arboricolous cicadellids); Schmid-Egger, 2004b:27 (in revision of Palearctic *Bembecinus*); Shkuratov, 2004a:75 (Russia: Rostov Oblast'), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzei-Zapovednik M.A. Sholokhova); Skibińska in Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); Wiśniowski, 2004:52 and 63 (in checklist of Polish Sphecidae); Jacobs, 2005a:439 (Bulgaria: Michurin); Pagliano and Negrisolò, 2005:174 (in Sphecidae Fauna of Italy); Straka, 2005a:399 (endangered in Czech Republic); Gorobchishin, 2006:141 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve; Kyiv Oblast': Koncha-Ozerna); Hua, 2006:277 (in list of Chinese insects, geographic distribution); Terayama, 2006:14, 16 (in key to Japanese Bembicinae); Baghirov, 2007:93 (Russia: southwestern Siberia); Endo, Nishimoto, Hashimoto, and Nakanishi, 2007:13 (Japan: Hyogo Prefecture: sandy beaches); Evans and O'Neil, 2007:93 (summary of information on nesting habits); Jacobs, 2007:179 (in key to Crabronidae of Germany); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia), 234 (first recorded from Bohemia by Vepřek, 2000); Danilov, 2008:348 (Russia: Altayskiy Krai: Barnaul area); Larnhof, 2008:36, 45 (Austria: Niederösterreich: Nature Reserve "in den Sandbergen" near Drösing; nesting dynamics); Ljubomirov and Yildirim, 2008:103 (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); Gayubo, González, Tormos, and Asís, 2009:365 (Spain: Valladolid: Reserva Natural Riberas de Castronuño – Vega del Duero); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009b:140 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Pagliano, 2009:178 (Italy: Piemonte: Bonvicino); Schmid-Egger, 2009:761 (Hungary: Órkeny; Mongolia: 75 km west of Ulanbaator at 47°24'N 103°39'E); Bitsch, 2010:115 (in supplement to vol. II of Faune de France, 1997: recent behavioral studies by Zolda reported; France: first record from Bouches-du-Rhône: Vaccarès); Mokrousov, 2010a:61

(Russia: Tatarstan: no specific localities), 2010b:100 (Russia Tatarstan: no specific locality); Sakenin, Samin, and Bagriacik, 2010:16 (Iran: West Azerbaijan: Maco); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: extinct, last collected around 1900); Shorenko and Kononov, 2010:14 (Ukraine); Smetana, Roller, Beneš, Bogusch, Dvořák, Holý, Karas, Macek, Straka, Šima, Tyrner, Vepřek, and Zeman, 2010:87 (Western Slovakia: Borská Nižina), 101 (Western Slovakia: recorded from Borská Nižina); Baghirov, 2011b:143 (Russia: Altayskiy Krai: Savvushka; Altay Republic: Chike-Taman pass); Gogala, 2011:30 (Slovenia); Józán, 2011:183 (in checklist of Sphecidae *sensu lato* of Hungary); Tischendorf, Frommer, Flügel et al., 2011:181 (Germany: never found in Hessen); Wiesbauer and Zettel, 2011:269 (Austria: Niederösterreich: March = Morava lowland); Nemkov, 2012c:446 (in catalog of Crabronidae of Russian Far East), 2012e:4 (in revision of *Bembecinus* of Russia and adjacent countries); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Dyuzhaeva, 2013:116 (Russia: Samara Oblast': Zhiguli Nature Reserve); Shlyakhtenok, 2013:235 (in annotated catalog of aculeate wasps of Belorussia); Mokrousov and Vafin, 2014:56 (Russia: Republic of Tatarstan); Protsenko, Fateryga, and Ivanov, 2014:27 (Crimea: no specific locality); P. Rosa and Pagliano, 2015:97 (Italy: Lombardia and Piemonte: Parco del Ticino); Mokrousov and Popov, 2016:569 (Russia: Abkhazia, Krasnodarskiy Krai, color variation); Yıldırım, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:39 (Iran: known from West Azerbaijan Province); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:221 (in catalog of Bembicinae of Russia); Itami, 2018:9 (Japan: Niigata Prefecture); Shorenko, 2018:129 (Crimea, including localities, habitats, and number of specimens); Ruchin and Antropov, 2019a:13223 (Russia: Mordovia State Nature Reserve); Bitsch, Barbier, and Jacobs *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:293 (in Sphecidae Fauna of Europe); Cross, Baldock, and Wood, 2021:29 (in catalog of Sphecidae *sensu lato* of Portugal); Kaplan and Yıldırım, 2021:40 (in catalog of Crabronidae of Turkey); Komeda, 2021b:63 (Japan: Honshu: Yamanaishi Prefecture); Olszewski, Wiśniowski, and Ljubomirov, 2021:83 (in commented list of Sphecidae *sensu lato* of Poland); Kaplan and Yıldırım, 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey); Pytel-Huta and Frančuk, 2024:75 (Ukraine: Rivno Nature Reserve).

As *Stizus sinuatus*: Pagliano, 2011a:130 (part of *Stizus hungaricus* in M. Spinola collection, Torino, are *Bembecinus hungaricus*).

ssp. amamiensis Tsuneki

Bembecinus hungaricus amamiensis Tsuneki, 1965a:16, ♀, ♂. Holotype: ♂, Japan, Ryukyu Islands: Island of Amami Oshima: Gusuku (K. Tsuneki coll.). – Tsuneki, 1965c:28 (in key to Bembicinae of Japan and Korea), 1971b:2 (Japan; redescription); Murota, 1973a:101 (Japan: Ryukyu Islands: Amami Oshima Islands); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Tsuneki, 1982g:64 (known from Ryukyu archipelago); Yamamura, 2004:60 (Japan: Ryukyu islands: first record from Island of Tokumo-shima).

As *Bembecinus hungaricus*: Tsuneki, 1962a:7 (Japan: Ryukyu Islands: Island of Amami-Oshima), present correction to *Bembecinus hungaricus amamiensis*.

ssp. formosanus (Sonan)

Stizus formosanus Sonan, 1928:262, ♀, ♂. Holotype: ♀, Taiwan: Boryo = Takao-Shu (J. Sonan coll., now?). – Tsuneki, 1965a:14 (as synonym of *Bembecinus hungaricus*). – Iwata, 1936c:241 (nesting habits). – **As *Bembecinus formosanus***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group). – **As *Bembecinus hungaricus formosanus***: Tsuneki, 1968h:6 (new status, Taiwan, detailed analysis of color and structure variation), 22 (Ryukyu Islands), 23, 24 (in key to *Bembecinus* of Taiwan and southern Ryukyus), 25 (Korea: Seoul); Tsuneki and Iida, 1969:8 (nesting habits), 19 (description of larva); Haneda, 1971b:32 (Taiwan); Tsuneki, 1971i:5 (Taiwan); Haneda, 1972a:5 (Taiwan); Tsuneki, 1972b:2 (Japan; redescription); Murota, 1973b:117 (Taiwan); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Tsuneki, 1977c:3 (Island of Botel Tobago; diagnostic characters), 22 (Taiwan), 1977j:265 (Taiwan: Takao),

1982b:18 (known from Korea), 1982d:14 (Taiwan); Paik, 1985:202 (in list of Sphecidae of Korea); Porter, Stange, and Wang, 1999:13 (in checklist of Sphecidae of Taiwan); Hua, 2006:277 (in list of Chinese insects, geographic distribution); J.-K. Kim, 2014:423 (in catalog of Sphecidae *sensu lato* of Korean Peninsula).

Stizus formosanus var. *quadrimaculatus* Sonan, 1928:264, ♀ (as *4-maculatus*, incorrect original spelling). Holotype: ♀, Taiwan: Taihoku: Tabo (J. Sonan coll.). Synonymized with ... – Iwata, 1939b:171 (nesting habits).

Stizus formosanus var. *quinquemaculatus* Sonan, 1928:264, ♀ (as *5-maculatus*, incorrect original spelling). Holotype: ♀, Taiwan: Taihoku (J. Sonan coll.). Synonymized with ...

Stizus kotoshonus Sonan, 1934:37, ♀. Holotype: ♀, Taiwan: Kôôtôshô or Island of Botel Tobago, now Hungtou (depository?). Synonymized with *Bembecinus hungaricus* by Tsuneki, 1965a:14. – Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group)

ssp. japonicus (Sonan)

Stizus japonicus Sonan, 1934:38, ♀, ♂ (March). Holotype: ♀, Japan: Osaka: Ikeda (depository?). – Baba, 1935:84 (Japan: Island of Sado); Yasumatsu and Narisada, 1935:73 (China: Liaodang: Dairen, now Dalian); Iwata, 1936c:236 (nesting habits). – Pulawski, 1958a:168 (as new synonym of *Bembecinus hungaricus*). – **As *Bembecinus japonicus***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); Iwata, 1955:29 (egg size, number of oocytes); Tsuneki, 1962e:70 (*Bembecinus* [sic] *japonicus* in Iconographia Insectorum Japonicorum, Ed. II is actually *Bembecinus hungaricus*); Nishino, 1968:25 (Japan). – **As *Bembecinus hungaricus japonicus***: Tsuneki, 1960d:239 (new status); Iwata, 1963b:196 (Japan: prey record); Tsuneki, 1965a:16 (bibliographic references), 1965c:28 (in key to Bembicinae of Japan and Korea); Nambu, 1968b:27 (Japan: Saitama Prefecture); T. Iida, 1969b:287 (description of mature larva); Haneda, 1969:70 (Japan: Yamanashi Prefecture); Itami, 1969:47 (Japan: Niigata Prefecture); Tsuneki, 1969d:7 (nesting habits); Yamada, 1971:35 (Japan: Aichi Prefecture); Tsuneki, 1972b:2 (Japan; redescription); Nambu, 1975b:71 (Japan: Saitama Prefecture); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Tsuneki, 1982g:64 (known from Ryukyu archipelago); Miyatake, 1996:103 (specimens in Hiroshi Aoki collection); Kurokawa, 2003:61 (Japan: city of Fukui: Egamichou); Ohl and Linde, 2003:150 (number of ovarioles); Haneda, Inoue, Nozaka, Tano, Kurokawa, H. Murota, and T. Murota, 2005:67 (Japan: Fukui Prefecture: Mount Monju); Negoro, Haneda, and Tano, 2005:49 (Japan: Toyama Prefecture); Haneda, Nozaka, Tano, Kurokawa, and Murota, 2006a:30 (Japan: Toyama Prefecture), 2006b:49 (Japan: Nagasaki Prefecture: Tsushima); Hisamatsu, 2006:25 (Japan: nesting outside Ibaraki Nature Museum); Ohkusa, 2007:35 (Japan: central Honshu: Aichi Prefecture); Ohkusa and Tajima, 2008:75 (Japan: central Honshu: Aichi Prefecture); N. Yamamoto, 2011:14 (Japan: Kyūshū: mainland Nagasaki Prefecture); Nakayama, 2013:33 (nesting activities); Nagase and Kishi, 2014:22 (Japan: Izu Islands: Island of Miyakejima); Muraio, 2015:40 (Japan: Kyushu: coast of northwestern Fukuoka Prefecture).

Stizus hirsutus Sonan, 1934:39, ♀. Holotype: ♀, Japan: Osaka: Ikeda (depository?). Synonymized with *Bembecinus japonicus* by Tsuneki, 1960d:239 and 1965a:14. – **As *Bembecinus hirsutus***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group).

Stizus japonicus Yasumatsu, 1934e:25, ♀, ♂ (April), junior primary homonym of *Stizus japonicus* Sonan, 1934. Holotype: ♂, Japan: Kyushu: Fukuoka (Kyushu Univ.). Synonymized with *Bembecinus japonicus* Sonan by Tsuneki in Pulawski, 1958a:168.

ssp. sibiricus (Mocsáry)

Stizus sibiricus Mocsáry in Mocsáry and Szépliget, 1901:162, ♀, ♂. Syntypes: Russia: Siberia: Minusinsk (TMB). – Gussakovskij, 1935:442 (in key to *Bembecinus tridens* species group); Kazenas, 1978b:84 (in key to Sphecidae of Kazakhstan and Central Asia). – **As *Bembecinus sibiricus***: Gussakovskij, 1934a:12 (new generic assignment, China: Szechuan Province; comparison with *Bembecinus hungaricus*); Lohrmann, 1943:191 (in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); Krasnobayev et al., 1995:138 (Russia: Zhiguli Hills northwest of Samara). – **As *Bembecinus hungaricus sibiricus***: Tsuneki, 1971k:199 (new status),

1971m:9 (China: Inner Mongolia: Apaka), 1972b:3 (redescription); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Nemkov, 2017b:221 (in catalog of Bembicinae of Russia).

As *Bembecinus cyanescens*: Yasumatsu, 1942c:110 (China: Nei Mongol: Apaka at 44°N 114.96°E), corrected to *Bembecinus hungaricus sibiricus* by Tsuneki, 1971m:9.

ssp. verhoeffi Tsuneki

Bembecinus hungaricus verhoeffi Tsuneki, 1965b:35, ♀. Holotype: ♀, China: Heilongjiang: Harbin (RMNH). – Tsuneki, 1967e:2 (China: Manchuria), 1972b:3 (redescription); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Hua, 2006:277 (in list of Chinese insects, geographic distribution).

79. hyperocrus (Arnold)

Stizus hyperocrus Arnold, 1929a:295, ♀ (as Brauns's manuscript name). Holotype or syntypes: ♀, South Africa: Eastern Cape Province: Willowmore (TMP). – Arnold, 1930:20 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus hyperocrus***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae); S. Gess and F. Gess, 2003:115 (South Africa: visiting flowers of *Hermbstaedtia glauca* (Wendl.) Reichb. ex Steud., Amaranthaceae, *Wahlenbergia* sp., Campanulaceae, and *Zygophyllum prismatocarpum* E. Mey. ex Sond., Zygophyllaceae), 2006:10 (South Africa and Namibia: visiting flowers of *Zygophyllum prismatocarpum*, Zygophyllaceae); F. Gess, Pulawski, and S. Gess, 2015:211, 213 (in key to *Bembecinus rhopalocerus* species group), 223 (in revision of *Bembecinus rhopalocerus* species group).

80. inermis (Handlirsch)

Stizus inermis Handlirsch, 1892:91, ♂ (not ♀, see p. 92). Holotype: ♂, Fiji: Viti Levu: no specific locality (Zool. Mus. Hamburg, destroyed in World War 2). – Dalla Torre, 1897:526 (in catalog of world Sphecidae); R. Turner, 1919a:337 (Fiji, variation); F. Williams, 1947:318 and 336 (Fiji); Fullaway, 1957:279 (in checklist of Hymenoptera of Fiji). – **As *Bembecinus inermis***: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus inermis* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Evenhuis, 2007:5 (in checklist of Hymenoptera of Fiji).

Stizus pacificus R. Turner, 1917g:82, ♀. Syntypes: ♀, Fiji: Natova and Nadi (BMNH). Synonymized with *Stizus inermis* by R. Turner, 1919a:337. – **As *Bembecinus pacificus***: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group).

81. inexpectatus Pulawski

Bembecinus inexpectatus Pulawski in F. Gess, Pulawski, and S. Gess, 2015:225, ♀, ♂. Holotype: ♀, South Africa: Northern Cape Province: Putsonderwater at 29°14'S 21°53'E (Albany Museum, Grahamstown). – F. Gess, Pulawski, and S. Gess, 215:212 (in key to *Bembecinus rhopalocerus* species group).

82. innocens de Beaumont

Bembecinus innocens de Beaumont, 1967a:305, ♀, ♂. Holotype: ♂, Turkey: Ankara: Kirikkale (BMNH). – de Beaumont, 1967a:301 (in key to *Bembecinus* of Turkey); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:52 (in revision of Palearctic *Bembecinus*); Gayubo and Özbek, 2005:21 (Turkey: Erzincan: Agricultural Research Station; Erzurum: Oltu); Yildirim and Ljubomirov, 2005:1793 (Turkey: Erzincan), 2007:118 (Turkey: Erzurum: Oltu); Ljubomirov and Yildirim, 2008:103 (in catalog of Crabronidae of Turkey); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

83. insulanus de Beaumont

Bembecinus tridens insulanus de Beaumont, 1954f:249, ♀, ♂. Holotype: ♂, France: Corse: Bonifacio (MNHN). – R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Pagliano, 1990:75 (in catalog of Italian Sphecidae); Hamon, Foucart, and Fonfria, 1993:466 (diagnostic characters); Luchetti, 1993:105 (Italy: Sardegna: Maddalena archipelago); Negrisolò in Minelli, Ruffo, and La Posta, 1995b:5 (in catalog of Italian fauna). – **As *Bembecinus insulanus***: Hamon, Foucart, and Fonfria, 1993:468 (new status); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:248 (in Sphecid Fauna of Western Europe); Schmid-Egger, 2004b:28 (in revision of Palearctic *Bembecinus*); Pagliano and Negrisolò, 2005:175 (in Sphecid Fauna of Italy); Bitsch, 2010:115 (in supplement to vol. II of Fauna de France, 1997: recent record from Majorca reported); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:294 (in Sphecid Fauna of Europe).

84. *insularis* (Handlirsch)

Stizus insularis Handlirsch, 1892:47, ♂. Holotype: ♂, Indonesia: Sulawesi: no specific locality (originally von Schulthess coll., now Zurich). – Handlirsch, 1895:978 (Indonesia: Ambon, Java, Borneo); Dalla Torre, 1897:526 (in catalog of world Sphecidae). – **As *Bembecinus insularis***: van der Vecht, 1949:295 (new generic assignment, in revision of *Bembecinus* of Java); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Tsuneki, 1976b:42 (Philippines, redescription); Tsuneki et al., 1992c:8, 10 (in key to *Bembecinus* of Philippines), 15 (Philippines, variation); Haneda, 2011:47 (Philippines: Palawan: Iwahig).

Stizus socius Handlirsch, 1892:44, ♀. Syntypes: Indonesia: Ambon: no specific locality (NHMW). Synonymized with *Bembecinus insularis* by van der Vecht, 1949:295. – Dalla Torre, 1897:531 (in catalog of world Sphecidae).

Bembecinus sarawakensis J. Parker, 1937:131, ♀. Holotype: ♀, Sarawak: Clouetown (BMNH). Synonymized with *Bembecinus insularis* by van der Vecht, 1949:295. – Lohrmann, 1943:191 (in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group).

Bembecinus stenaspis J. Parker, 1937:132, ♂. Holotype: ♂, Malaysia (East): Sarawak: Clouetown (BMNH). Synonymized with *Bembecinus insularis* by van der Vecht, 1949:295. – Lohrmann, 1943:192 (in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group).

As *Bembecinus insularis* forma *stenaspis*: Tsuneki et al., 1992c:10 (new status, in key to *Bembecinus* of Philippines).

85. *iranicus* Schmid-Egger

Bembecinus asiaticus iranicus Schmid-Egger, 2004b:24. Holotype: ♂, Turkey: Nemrut Dagı: Karadut (OÖLM). – Ebrahimi, 2006:1 (Iran); Yildirim and Ljubomirov, 2007:118 (Turkey: İçel: Aydıncık); Ljubomirov and Yildirim, 2008:100 (in catalog of Crabronidae of Turkey); Schmid-Egger, 2009:760 (Iran: Khorasan); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharabawy, 2013:147 (in new catalog of Sphecidae of Saudi Arabia: Hutet Beni Tamim 180 km south of El Riyadh); Ebrahimi, 2014:30 (Iran: Khorāsān-e Razavi: Kāshmar: Rivosh); Ghahari, Hayat, Lavigne, and Ostovan, 2014:1391 (prey of *Dysmachus fuscipennis* (Meigen), Asilidae); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Kaplan and Yildirim, 2021:40 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey). – **As *Bembecinus iranicus***: Schmid-Egger, 2014:538 (new status, United Arab Emirates), 539 (color photographs of female), 540 (color photographs of male), 541 (comparison with *Bembecinus asiaticus*); Rezaei and Fallahzadeh, 2015:4 (Iran: Fars: Dasht e Arzhan at 29°38'N 51°58'E); Jahantigh, Rakhshani; Mokhtari, and Ramroodi, 2017:39 (Iran: known from Fars and Khorasan-e Razavi provinces); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:7 (Azerbaijan: Nakhichevan Autonomous Republic); Gadallah, 2020b:24 (in list of aculeate wasps of Arabian Peninsula); Ghaderipour, Khayrandish, Madjdzadeh, Ebrahimi, and Schmid-Egger, 2020:111 (Iran: Kerman); Gadallah and Abu El-Ghiet, 2024:79 (Saudi Arabia: Jazan Province: Abu Arish).

86. *irwini* R. Bohart

Bembecinus irwini R. Bohart, 1997a:174, ♀, ♂. Holotype: ♂, Namibia: Maltahöhe (UCD). Paratype: South Africa.

87. jacksoni (Arnold)

Stizus jacksoni Arnold, 1955:758, ♂. Holotype: ♂, Kenya: Kacheliba: Suk (SAM). – **As Bembecinus jacksoni**: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

88. javanus (Handlirsch)

Stizus javanus Handlirsch, 1892:50, ♀ (as *Javanus*, incorrect original capitalization). Holotype: ♀, Indonesia: Java: no specific locality (Lübeck Mus.). – Dalla Torre, 1897:525 (in catalog of world Sphecidae). – **As Bembecinus javanus**: van der Vecht, 1949:305 (new generic assignment; the holotype may consist of parts of two species); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

89. kachelibae (Arnold)

Stizus kachelibae Arnold, 1960b:467, ♀, ♂. Syntypes: Kenya: Kacheliba: Suk (SAM). – Hancock, Chahwanda, and Mhlanga, 1995:40 (syntypes in Bulawayo Museum). – **As Bembecinus kachelibae**: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

90. karasanus F. Gess and Pulawski

Bembecinus karasanus F. Gess and Pulawski in F. Gess, Pulawski, and S. Gess, 2015:226, ♀, ♂. Holotype, ♀, Namibia: Karas Region: Karasburg at 28°00'18"45' (Albany Museum, Grahamstown). – F. Gess, Pulawski, and S. Gess, 215:211, 212 (in key to *Bembecinus rhopalocerus* species group).

91. karoensis (Arnold)

Stizus karoensis Arnold, 1936:20, ♀, ♂. Syntypes: South Africa: Eastern Cape Province: Willowmore (TMP). – **As Bembecinus karoensis**: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

92. khuzestani Schmid-Egger

Bembecinus khuzestani Schmid-Egger, 2004b:53, ♂. Holotype: ♂, Iran: Khuzestan: Haft Tapeh 300 km north of Abadan (CAS). – Atbaei, Fallahzadeh, and Ljubomirov, 2015:6 (Iran: Fars Province); Jahantigh, Rakhshani; Mokhtari, and Ramroodi, 2017:40 (Iran: known from Fars and Khuzestan provinces); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Fallahzadeh, Ljubomirov, Tavakoli Roodi, and Saghaei, 2018:626 (Iran: Hormozgan: Band e Molla at 27°25'N 57°09'E); Ghaderipour, Khayrandish, Madjdzadeh, Ebrahimi, and Schmid-Egger, 2020:111 (Iran: Kerman).

93. knighti Krombein

Bembecinus knighti Krombein, 1984b:20, ♀, ♂. Holotype: ♀, Sri Lanka: Hambantota Province: Palatupana: near Wildlife and Nature Protection Society Bungalow (USNM).

94. kobrowi (Arnold)

Stizus kobrowi Arnold, 1936:19, ♂ (as *Kobrowi*, incorrect original capitalization). Holotype: ♂, South Africa: North West Province: Rustenberg (TMP). – **As Bembecinus kobrowi**: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

95. kotschy (Handlirsch)

Stizus kotschy Handlirsch, 1892:47, ♀ (as *Kotschy*, incorrect original capitalization). Syntypes: Sudan: Sennaar (NHMW). – Dalla Torre, 1897:526 (in catalog of world Sphecidae). – **As Bembecinus kotschy**: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

96. krameri Krombein

Bembecinus krameri Krombein, 1984b:16, ♀, ♂. Holotype: ♀, Sri Lanka: Trincomalee District: China Bay Ridge Bungalow (USNM).

97. *kuehlhorni* Willink

Bembecinus kuehlhorni Willink, 1953:349, ♂. Holotype: ♂, Argentina: Rosario de Santa Fe (ZSBS). – R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Amarante, 2002:22 (in catalog of Neotropical Crabronidae).

98. *lateralis* Bingham

Stizus lateralis Bingham, 1897:281, ♀ (authorship attributed to Cameron). Holotype or syntypes: ♀, India: West Bengal: Barrackpore 20 km north of Calcutta (OXUM). – Rothney, 1903:105 (India: West Bengal: Barrackpore). – **As *Bembecinus lateralis***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); van der Vecht, 1949:305 (short information on type); R. Bohart and Menke, 1976:521 (in checklist of world Sphecidae).

99. *laterimacula* (Handlirsch)

Stizus laterimacula Handlirsch, 1895:980, ♀. Holotype: ♀, Mozambique: Delagoa Bay, now Maputo Bay (ZMHU). – Dalla Torre, 1897:526 (in catalog of world Sphecidae); Arnold, 1929a:281 (in revision of southern African Sphecidae, description of ♂), 1930:19 (in checklist of Afrotropical Sphecidae); I. Robertson, 1969:480 (Tanzania: Urambo). – **As *Bembecinus laterimacula***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

ssp. *euteles* (Handlirsch)

Stizus euteles Handlirsch, 1895:982, ♂. Holotype: ♂, Tanzania: Dar es Salam (NHMW). – Dalla Torre, 1897:523 (in catalog of world Sphecidae). – **As *Stizus laterimacula* var. *euteles***: Arnold, 1929a:282 (new status, in revision of southern African Sphecidae), 1930:19 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus laterimacula euteles***: R. Bohart and Menke, 1976:531 (new generic assignment, new status, in checklist of world Sphecidae).

ssp. *fraudulentus* (Arnold)

Stizus laterimacula fraudulentus Arnold, 1951:129, ♂. Syntypes: Senegal: Kaffrine, Kaolack (BMNH). – **As *Bembecinus laterimacula fraudulentus***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

100. *laticaudatus* (Arnold)

Stizus laticaudatus Arnold, 1929a:276, ♂. Syntypes: South Africa: Western Cape Province: Ceres (BMNH). – Arnold, 1930:19 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus laticaudatus***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae, as *latericaudatus*).

101. *laticinctus* (Arnold)

Stizus laticinctus Arnold, 1929a:289, ♂. Holotype: ♂, South Africa: Western Cape Province: Montagu (BMNH). – Arnold, 1930:20 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus laticinctus***: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus meridionalis* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

102. *latifascia* (Walker)

Larra latifascia Walker, 1871:25, ♀. Holotype or syntypes: ♀, Eritrea: Dahlak Archipelago: no specific locality (destroyed). – Innes Bey, 1912:112 (specimens recorded by Walker, 1871, now destroyed by dermestids, were collected on Island of Dahlak). – **As *Stizus latifascia***: Handlirsch, 1892:181 (new generic assignment, original description translated into German); Dalla Torre, 1897:526 (in catalog of world Sphecidae). – **As *Bembecinus latifascia***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae); Madl, 2023:242 (in catalog of Crabronidae of Eritrea).

103. *lavongaianus* Tsuneki

Bembecinus lavongaianus Tsuneki, 1982a:52, ♀, ♂. Holotype: ♂, Bismarck Archipelago: Island of Lavongai: Banatoam (ZMUC).

104. *littoralis* van der Vecht

Bembecinus littoralis van der Vecht, 1949:301, ♀, ♂. Holotype: ♀ Indonesia: southwestern Java: Karang Havu near Palabuan Ratu (RMNH). – Tsuneki, 1974b:597 (Thailand; additional description); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Tsuneki, 1976b:45 (Philippines, redescription), Sk. Yamane, 1983:87 (Indonesia: Krakatau Islands); Tsuneki et al., 1992c:9 (in key to *Bembecinus* of Philippines); Tsuneki et al., 1992c:10 (in key to *Bembecinus* of Philippines, as *littolaris*), 19 (Philippines, variation); Haneda, 2011:47 (Philippines: Palawan: Inagawan Beach).

105. *lomii* (Guiglia)

Stizus lomii Guiglia, 1941a:75, ♀ (as *Lomii*, incorrect original capitalization). Holotype: ♀, Ethiopia: Gabredarre (MSNG). – **As *Bembecinus lomii***: Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

106. *loriculatus* (F. Smith)

Larra loriculata F. Smith, 1856:345, ♂. Holotype or syntypes: ♂, Gambia: no specific locality (BMNH). – **As *Stizus loriculatus***: Handlirsch, 1892:73 (new generic assignment, in revision of world Bembicini); Dalla Torre, 1897:526 (in catalog of world Sphecidae); Handlirsch, 1908:244 (comparison with *Stizus discolor*); Arnold, 1929a:279 (in revision of southern African Sphecidae), 1930:19 (in checklist of Afrotropical Sphecidae), 1940:116 (Somalia, additional description). – **As *Bembecinus loriculatus***: Lohrmann, 1943:197 (new generic assignment, only member of *Bembecinus loriculatus* species group); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); S. Gess and F. Gess, 2003:116 (Namibia: visiting flowers of *Hermbstaedia odorata* (Burch.) T. Cooke, Amaranthaceae).

Stizolarra histrio de Saussure, 1892:466, ♂. Holotype or syntypes: ♂, Tanzania: Zanzibar: no specific locality (MHNG). Synonymized with *Stizus loriculatus* by Handlirsch, 1895:979. Not listed by Bohart and Menke, 1976.

107. *luteolus* Krombein

Bembecinus luteolus Krombein, 1984b:17, ♀, ♂. Holotype: ♀, Sri Lanka: Hambantota District: Palatupana: near Wildlife and Nature Protection Society Bungalow (USNM). – Krombein, 1984b:7 (nesting habits); Evans and O'Neil, 2007:96 (summary of information on nesting habits).

108. *maior* (Handlirsch)

Stizus maior Handlirsch, 1895:975, ♀. Holotype: ♀, South Africa: no specific locality (ZMHU). – Dalla Torre, 1897:527 (in catalog of world Sphecidae, as *major*); Arnold, 1929a:271 (original description translated into English), 1930:19 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus maior***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

109. *manusensis* Tsuneki

Bembecinus manusensis Tsuneki, 1982a:50, ♀, ♂. Holotype: ♀, Bismarck Archipelago: Manus Island: Lorengau (ZMUC).

110. *mattheyi* de (Beaumont)

Stizus mattheyi de Beaumont, 1951e:276, ♀, ♂. Holotype: ♂, Morocco: Tafraout (Lausanne). – **As *Bembecinus mattheyi***: de Beaumont, 1954f:270 (new generic assignment, in revision of western Palearctic *Bembecinus*), 1956:190 (Libya); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:54 (in revision of Palearctic *Bembecinus*); Ben Khedher, Yildirim, and Braham, 2022:4 (Tunisia: Tataouine: Tataouine–Medenine km 38 at 33°4'12.2"N 10°29'6.0").

111. mayri (Handlirsch)

Stizus mayri Handlirsch, 1892:85, ♂ (as *Mayri*, incorrect original capitalization). Syntypes: ♂, Algeria: Sétif (NHMW). – Dalla Torre, 1897:527 (in catalog of world Sphecidae); Morice, 1911:116 (Algeria, description of ♀). – **As *Bembecinus mayri***: de Beaumont, 1954f:273 (new generic assignment, in revision of western Palearctic *Bembecinus*); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:54 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Ben Khedher, Yildirim, and Braham, 2022:4 (in checklist of Bembicinae of Tunisia).

112. meridionalis A. Costa

Bembecinus meridionalis A. Costa, 1859:5, ♀, ♂. Lectotype: ♂, Italy: Cancellò near Napoli (Napoli), designated by de Beaumont, 1953i:2. – Kirchner, 1867:219 (in catalog of European Hymenoptera); A. Costa, 1867c:47 and 1869b:63 (in revision of Italian Sphecidae); Kohl, 1905c:232 (Turkey: Kayseri: Erciyes Dađı); Maidl, 1922:72 (Croatia); Lohrmann, 1943:197 (member of *Bembecinus meridionalis* species group); de Beaumont, 1954f:271 (in revision of western Palearctic *Bembecinus*); de Beaumont and Bytinski-Salz, 1955:50 (Israel); de Beaumont, 1959a:19 (Italy), 1960a:10 (Greece: Island of Rhodes), 1965a:26 (Greece; female recognition features), 1967a:301 (in key to *Bembecinus* of Turkey), 308 (Turkey), 1969:83 (Turkey); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Pulawski, 1978:207, 208 (in key to Sphecidae of European part of USSR); Casolari and Casolari Moreno, 1980:116 (specimens in M. Spinola collection, Torino); Pagliano, 1880:118 (Italy: Puglia), 1990:74 (in catalog of Italian Sphecidae), 1992:44 (in key to Italian Nyssoninae, now Bembicinae); Gayubo and Borsato, 1994:218 (Italy: Toscana); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:249 (in Sphecid Fauna of Western Europe); Vicidomini, 2000b:22 (Italy: previously recorded from Campania); Schmid-Egger, 2003:750 (Italy: Basilicata: Lauria; Puglia: Mount Gargano; Sicilia: Taormina), 2004b:55 (in revision of Palearctic *Bembecinus*); Pagliano and Negrisola, 2005:176 (in Sphecid Fauna of Italy); Standfuss and Standfuss, 2006c:306 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Ljubomirov and Yildirim, 2008:104 (in catalog of Crabronidae of Turkey); Schmid-Egger, 2009:764 (Syria: Al Suwayda, Turkey: 8 km northeast of Isparta, Burdur 5 km northeast of Yeşilova); Bitsch, 2010:115 (in supplement to vol. II of Faune de France, 1997: records from Albania, Jordan and Lebanon by Schmid-Egger, 2004b, reported); Murai and Amr, 2011:110, 118 (first record from Syria: Al Thawrah Nature Reserve at 35°51'N 28°38'E); Pagliano, 2011a:131 (no specimens in M. Spinola collection, Torino, under this name); Sakenin, Samin, Bagriacik, and Rastegar, 2011:2 (Iran: West Azerbaijan: Salmas); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:347 (in new catalog of Sphecidae of Saudi Arabia: first record from Arabian Peninsula: Hutet Beni Tamim 180 km south of El Riyadh); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:40 (Iran: known from West Azarbaijan Province); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:295 (in Sphecid Fauna of Europe); Gadallah, 2020b:25 (in list of aculeate wasps of Arabian Peninsula); Kaplan and Yildirim, 2021:41 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey). – **As *Stizus meridionalis***: Handlirsch, 1892:87 (new generic assignment, in revision of world Bembicini); Dalla Torre, 1897:527 (in catalog of world Sphecidae); Giordani Soika, 1944:9 (Italy: Sicilia: Taormina); de Beaumont, 1954e:88 (Italy); Grandi, 1954:234 (Italy).

113. mexicanus (Handlirsch)

Stizus mexicanus Handlirsch, 1892:66, ♀, ♂ (as *Mexicanus*, incorrect original capitalization). Syntypes: Mexico: Veracruz: Atoyac and Orizaba (NHMW). – Dalla Torre, 1897:527 (in catalog of world Sphecidae). – **As *Bembecinus mexicanus***: Evans, 1964b:257 (new generic assignment, description of larva), 1966d:134 (habitat), 136 (nest excavation), 137 (nest temporary closure), 138 (nest structure), 139 (progressive provisioning), 141 (prey: membracid nymphs); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Hanson and Menke, 1995:648 (known from Costa Rica, identification tentative); R. Bohart, 1996a:522 (in revision of *Bembecinus* of North and Central

America); Amarante, 2002:22 (in catalog of Neotropical Crabronidae); Rufz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:665 (in checklist of Mexican Sphecidae); Horta Vega, Pinson Domínguez, Barrientos Lozano, and Correa Sandoval, 2007: 45 (Mexico: Tamaulipas); Horta-Vega, Vanoye Eligio, García-Gutiérrez, Coronado-Blanco, and Barrientos-Lozano, 2013:382 (Mexico: Tamaulipas: Ciudad Victoria: Cañón del Novillo).

Stizus guttulatus Handlirsch, 1892:67, ♂. Holotype: ♂, Mexico: Veracruz: Orizaba (NHMW). Synonymized with *Bembecinus mexicanus* by Willink, 1949:104. – Dalla Torre, 1897:525 (in catalog of world Sphecidae).

Stizolarra chichimeca de Saussure, 1892:466, ♂. Holotype or syntypes: Mexico: Veracruz: Cordoba (MHNG). Synonymized with *Stizus guttulatus* by Handlirsch, 1895:979.

114. *mhamidus* Schmid-Egger

Bembecinus mhamidus Schmid-Egger, 2004b:29, ♀, ♂. Holotype: ♂, Morocco: Mhamid in Val Draa 80 km south of Zagora (coll. C. Schmid-Egger, Berlin). – Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembecinae)

115. *mirus* (Arnold)

Stizus mirus Arnold, 1945:69, ♀, ♂. Syntypes: Madagascar: Amboasary, Behara, Bekily (MNHN). – Leclercq, 1960a:100 (Madagascar); Hancock, Chahwanda, and Mhlanga, 1995:40 (syntypes in Bulawayo Museum). – *As Bembecinus mirus*: Leclercq, 1961d:103 (new generic assignment, Madagascar); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Leclercq, 1990b:119 (Madagascar); Madl, 1997:820 (Madagascar: Nosy Boraha Island), 822 (in checklist of Nosy Boraha Sphecidae); Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Madl, 2014a:942 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Malagasy subregion, with synonymy and locality records).

116. *mitulus* (Arnold)

Stizus mitulus Arnold, 1929a:275, ♀, ♂. Syntypes: South Africa: Western Cape Province: Mossel Bay (BMNH). – Arnold, 1930:19 (in checklist of Afrotropical Sphecidae). – *As Bembecinus mitulus*: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

117. *modestus* (F. Smith)

Larra modesta F. Smith, 1860b:124, ♀. Holotype or syntypes: ♀, Indonesia: Moluccas: Batjan: no specific locality (OXUM). – F. Smith, 1863b:135 (known from Batjan), 1871a:367 (in catalog of Oriental Aculeata). – *As Stizus modestus*: Handlirsch, 1892:57 (new generic assignment, original description translated into German). – *As Bembecinus modestus*: van der Vecht, 1949:305 (new generic assignment, redescription); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

118. *moneduloides* (F. Smith)

Larra moneduloides F. Smith, 1856:346, ♀, ♂ (♂ = *Bembecinus nanus*, see Willink, 1957:701). Lectotype: ♀, USA: Florida: Duval County: Saint John's Bluff, now in Jacksonville (BMNH), designated by R. Bohart, 1996a:523. – Cresson, 1862:237 (in catalog of North American Hymenoptera); Packard, 1867:44 (listed). – *As Stizus moneduloides*: Patton, 1879c:347 (new generic assignment); Cameron, 1890a:104 (Florida, Mexico, Guatemala); Handlirsch, 1892:69 (original description copied); W. Fox, 1895b:268 (species identity unclear); Dalla Torre, 1897:527 (in catalog of world Sphecidae); Ashmead, 1899d:347 (in checklist of North American Crabronidae). – *As Bembecinus moneduloides*: Cresson, 1887:278 (new generic assignment, in synopsis of North American Hymenoptera); Krombein *in* Muesebeck, Krombein, and Townes, 1951:994 (in catalog of North American Hymenoptera); Krombein and Willink, 1951:705 (in revision of North American *Bembecinus*); Willink, 1957:701 (redescription of type ♀); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Krombein, 1979b:1703 (in catalog of North American Hymenoptera); R. Bohart, 1996a:523 (in revision of *Bembecinus* of North and Central America).

119. monodi (Berland)

Stizus monodi Berland, 1950b:299, ♂. Holotype: ♂, Niger: Agadez (MNHN). – **As Bembecinus monodi**: de Beaumont, 1954f:268 (new generic assignment, in revision of western Palearctic *Bembecinus*); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

120. monodon (Handlirsch)

Stizus monodon Handlirsch, 1895:984, ♀, ♂. Syntypes: South Africa: no specific locality (ZMHU). – Dalla Torre, 1897:527 (in catalog of world Sphecidae); Arnold, 1929a:287 (original description translated into English), 1930:20 (in checklist of Afrotropical Sphecidae). – **As Bembecinus monodon**: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

121. multiguttatus (Arnold)

Stizus multiguttatus Arnold, 1951:126, ♀, ♂. Syntypes: Mali: Tillembeya, now Diarafabé (BMNH). – R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

122. mutabilis (Arnold)

Stizus mutabilis Arnold, 1929a:295, ♀, ♂. Lectotype: ♂, South Africa: Cape Province: Montagu (BMNH), designated by Pulawski in F. Gess, Pulawski, and S. Gess, 2015:228. – Arnold, 1930:20 (in checklist of Afrotropical Sphecidae). – **As Bembecinus mutabilis**: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae); S. Gess, 1996:277, 280 (floral records); S. Gess and F. Gess, 2003:116 (South Africa: visiting flowers of *Hermbstaedia glauca* (Wendl.) Reichb. ex Steud., Amaranthaceae, and *Athanasia trifurcata* (L.) L. and *Helichrysum* sp., Asteraceae); F. Gess, Pulawski, and S. Gess, 2015:212, 213 (in key to *Bembecinus rhopalocerus* species group), 228 (in revision of *Bembecinus rhopalocerus* species group).

Bembecinus ruficaudus R. Bohart, 1997a:170, ♀, ♂. Holotype: ♂, South Africa: Northern Cape Province: Doorn River at Moedverloor (UCD). Synonymized with *Bembecinus mutabilis* by Pulawski in F. Gess, Pulawski, and S. Gess, 2015:228.

123. naefi (de Beaumont)

Stizus naefi de Beaumont, 1951e:277, ♀, ♂. Holotype: ♂, Morocco: Casablanca: Aïn Diab (Lausanne). – **As Bembecinus naefi**: de Beaumont, 1954f:270 (new generic assignment, in revision of western Palearctic *Bembecinus*); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:56 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembecinae).

124. namaquensis Pulawski

Bembecinus namaquensis Pulawski in F. Gess, Pulawski, and S. Gess, 2015:231, ♂. Holotype: ♂, South Africa: Northern Cape Province: 23 km south of Alexander Bay at 28°46'16"37"E (Albany Museum, Grahamstown). – F. Gess, Pulawski, and S. Gess, 2015:213 (in key to *Bembecinus rhopalocerus* species group).

125. namibicus R. Bohart

Bembecinus namibicus R. Bohart, 1997a:174, ♀, ♂. Holotype: ♂, Namibia: Bethanien District: Seeheim (UCD). – S. Gess and F. Gess, 2003:116 (Namibia: visiting flowers of *Gisekia africana* (Lour.) Kuntze and *Limeum sulcatum* (Klotzsch) Hutch., Molluginaceae, and *Tribulus* sp., Zygophyllaceae).

As *Bembecinus namibiensis* R. Bohart: S. Gess and F. Gess, 2003:116 (South Africa: Augrabies: visiting flowers of *Limeum* sp., Molluginaceae), a synonym of *Bembecinus namibicus* according to S. Gess (personal information of 31 Oct. 2014).

126. namibius Pulawski

Bembecinus namibius Pulawski in F. Gess, Pulawski, and S. Gess, 2015:232, ♀, ♂. Holotype: ♀, Namibia: Karas Region: Klinghardt Mountains at 27°20'S 15°45'E (Albany Museum, Grahamstown). – F. Gess, Pulawski, and S. Gess, 2015:211, 213 (in key to *Bembecinus rhopalocerus* species group).

127. nambui Tsuneki

Bembecinus nambui Tsuneki, 1973a:3, ♂. Holotype: ♂, Japan: Ryukyu Islands: Yoron: Chabana (T. Nambu coll.). – R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Tsuneki, 1982g:64 (known from Ryukyu archipelago); Yamane, Ikudome, and Terayama, 1999:537 (Japan: in Identification Guide to Crabronidae of Nansei = Ryukyu Islands); Terayama, 2006:14, 16 (in key to Japanese Bembicinae).

128. nanus (Handlirsch)

Stizus nanus Handlirsch, 1892:61, ♀, ♂. Lectotype: ♀, USA: Georgia: no specific locality (NHMW), designated by R. Bohart, 1996a:523. – W. Fox, 1895b:267 (listed); Dalla Torre, 1897:527 (in catalog of world Sphecidae); Ashmead, 1899d:347 (in checklist of North American Crabronidae); Mickel, 1918b:434 (in catalog of Nebraskan Sphecidae); Cheesman, 1929:151 (Panama: Cristobal); Brimley, 1938:448 (North Carolina: Aberdeen, Croatan, Raleigh, Rocky Mount, Tarboro, Wendell, Willard, Wilmington). – **As *Bembecinus nanus***: Shappirio, 1946:229 (new generic assignment, Washington, D.C.; prey: *Graphocephala versuta* Say, Cicadellidae); Krombein in Muesebeck, Krombein, and Townes, 1951:994 (in catalog of North American Hymenoptera); Krombein and Willink, 1951:705 (in revision of North American *Bembecinus*); Evans, 1966d:139 (progressive provisioning), 141 (summary of prey records); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Ahlstrom, 1995:113 (in checklist of insects of North Carolina); Krombein, 1979b:1703 (in catalog of North American Hymenoptera, prey); R. Bohart, 1996a:523 (in revision of *Bembecinus* of North and Central America); Ruiz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:665 (in checklist of Mexican Sphecidae).

129. neglectus (Cresson)

Monedula neglecta Cresson, 1873:222, ♀. Holotype: ♀, USA: Texas: Comal County: no specific locality (ANSP). – Cresson, 1916:97 (holotype in ANSP). – **As *Stizus neglectus***: Handlirsch, 1892:70 (new generic assignment, original description translated into German); W. Fox, 1895b:268 (listed); Dalla Torre, 1897:528 (in catalog of world Sphecidae); Ashmead, 1899d:347 (in checklist of North American Crabronidae); Mickel, 1918b:435 (in catalog of Nebraskan Sphecidae). – **As *Bembecinus neglectus***: Cresson, 1887:278 (new generic assignment, in catalog of North American Hymenoptera, as *neglecta*); Krombein in Muesebeck, Krombein, and Townes, 1951:994 (in catalog of North American Hymenoptera); Krombein and Willink, 1951:707 (in revision of North American *Bembecinus*); Evans and Lin, 1956b:47 (description of larva); Evans, 1955a:287 (mating, nest, prey, egg, cocoon, life cycle); Krombein, 1958f:195 (in supplement to catalog of North American Hymenoptera: list of prey, description of larva by Evans and Lin, 1956b, reported); Chandler, 1966:142 (in revision of Bembicini and Stizini of Indiana); Evans, 1966d:135 (copulation), 137 (nest temporary closure), 138 (nest structure), 139 (egg orientation in cell, progressive provisioning), 141 (summary of prey records); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Krombein, 1979b:1703 (in catalog of North American Hymenoptera, nesting sites, list of prey); Piek and Spanjer, 1986:180 (in list of Sphecidae with known prey); Steiner, 1986:110 (references to publications on nesting habits); R. Bohart, 1996a:523 (in revision of *Bembecinus* of North and Central America); Evans and O'Neil, 2007:97 (summary of information on nesting habits).

Stizus xanthochrous Handlirsch, 1892:69, ♂. Syntypes: ♂, USA: Texas: Dallas (ZMHU, not NHMW). Synonymized with *Bembecinus neglectus* by Krombein and Willink, 1951:707. – W. Fox, 1895b:268 (listed); Dalla Torre, 1897:534 (in catalog of world Sphecidae); Ashmead, 1899d:347 (in checklist of North American Crabronidae); Mickel, 1918b:434 (in catalog of Nebraskan Sphecidae).

130. nemoralis (Arnold)

Stizus nemoralis Arnold, 1960b:466, ♀, ♂. Syntypes: Zimbabwe: Victoria Falls road near Insuza River (SAM). – **As *Bembecinus nemoralis***: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

131. niehuisi Schmid-Egger

Bembecinus niehuisi Schmid-Egger, 2004b:57, ♀, ♂. Holotype: ♂, Syria: Khabab 60 km south of Damascus (OÖLM). – Murai and Amr, 2011:118 (recorded from Syria by Schmid-Egger, 2004); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae).

132. nigriclypeus (Sonan)

Stizus nigriclypeus Sonan, 1928:265, ♀. Holotype: ♀, Taiwan: Taihoku: Tamaru (J. Sonan coll.). – **As *Bembecinus nigriclypeus***: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); Tsuneki, 1965a:14 (as new synonym of *Bembecinus tridens*), 1968h:12 (Taiwan; redescription), 24, 25 (in key to *Bembecinus* of Taiwan and southern Ryukyus), 1971i:6 (Taiwan); Haneda, 1972a:6 (Taiwan); Tsuneki, 1972c:11 (Taiwan); Murota, 1973b:117 (Taiwan); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Hua, 2006:277 (in list of Chinese insects, geographic distribution).

133. nigrolabrum Schmid-Egger

Bembecinus nigrolabrum Schmid-Egger, 2004b:57, ♀. Holotype: ♀, Turkey: Agri on southern slope of Mount Ararat (OOLM). – Ljubomirov and Yildirim, 2008:104 (in catalog of Crabronidae of Turkey); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:18 (Turkey: Erzurum and Kars provinces); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Kemal and Koçak, 2018:33 (Turkey: in list of pterygot insects of Van Province); Kaplan and Yildirim, 2021:41 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

134. novabritanicus Tsuneki

Bembecinus novabritanicus Tsuneki, 1982a:54, ♀. Holotype: ♀, Papua New Guinea: Bismarck Archipelago: New Britain: Valoka (ZMUC).

ssp. banatamus Tsuneki

Bembecinus novabritanicus banatamus Tsuneki, 1982a:55, ♀. Holotype: ♀, Bismarck Archipelago: Lavongai Island: Banatam (ZMUC).

135. nyamadanus Tsuneki

Bembecinus nyamadanus Tsuneki, 1974b:596, ♀, ♂. Holotype: ♂, Thailand: Sara Buri (T. Tano coll., Fukui). – R. Bohart and Menke, 1976:629 (in checklist of world Sphecidae).

136. nyasae (R. Turner)

Stizus nyasae R. Turner, 1912b:338, ♀, ♂. Syntypes: Zambia: lower Luangwa River; Malawi: Karonga on Lake Nyasa (BMNH). – Arnold, 1929a:284 (in revision of southern African Sphecidae, Zimbabwe), 1930:20 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus nyasae***: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus discolor* species group, as *nyasae*); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

ssp. robustus (Arnold)

Stizus nyasae var. *robustus* Arnold, 1951:128, ♀, ♂. Syntypes: Mali: Tillembeya, now Diafarabé (BMNH). – **As *Bembecinus nyasae robustus***: R. Bohart and Menke, 1976:531 (new generic assignment, new status, in checklist of world Sphecidae).

137. omaruru Pulawski

Bembecinus omaruru Pulawski in F. Gess, Pulawski, and S. Gess, 2015:233, ♀, ♂. Holotype: ♀, Namibia: Erongo Region: 20 km northeast of Hentiesbaai at 21°58'S 14°22'E (CAS). – F. Gess, Pulawski, and S. Gess, 2015:212, 213 (in key to *Bembecinus rhopalocerus* species group).

138. oxydorcus (Handlirsch)

Stizus oxydorcus Handlirsch, 1900b:472, ♀. Holotype: ♀, South Africa: Free State: Bothaville (TMP). – Brauns, 1911a:92 (nocturnal associations); R. Turner, 1912b:339 (description of ♂); Arnold, 1929a:292 (in revision of southern African Sphecidae), 1930:20 (in checklist of Afrotropical Sphecidae), 1935:503 (South Africa: Kalahari). – **As *Bembecinus oxydorcus***: Lohrmann, 1943:197 (new generic assignment, only member of *Bembecinus cinguliger* species group); Evans, 1966d:135 (observations by Brauns, 1911a); F. Gess and S. Gess, 1975:22 (nesting habits); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Gess, 1981:16 (South Africa: 18 km west-northwest of Grahamstown; nesting in non-friable soils; as *oxydorcus*), 41 (use of water during nest excavation), 42 (foretarsal rake absent), 44 (nest vertical), 45 (nest structure), 48 (progressive provisioning), 50 (no competition for nesting sites and prey with *Bembecinus braunsii* and *B. haemorrhoidalis*), 51 (temporary closure at the end of working day only); S. Gess, 1996:284 (floral records); S. Gess and F. Gess, 2003:116 (South Africa: visiting flowers of *Chrysocoma strigosa* E. Bayer, *Pentzia incana* (Thunb.) Kuntze, and *Senecio* sp., Asteraceae, *Indigofera* sp., Fabaceae, *Limeum aethiopicum* Burm., Molluginaceae, *Ziziphus mucronata* Willd., Rhamnaceae, *Selago corymbosa* L., Scrophulariaceae, and *Tribulus terrestris* L., Zygophyllaceae); Evans and O'Neil, 2007:99 (summary of information on nesting habits).

Stizus johannis Cameron, 1905i:323, ♀, ♂ (as *Johannis*, incorrect original capitalization). Syntypes: South Africa: Eastern Cape Province: Dunbrody (BMNH). Synonymized with *Stizus oxydorcus* by Brauns, 1917:240.

139. paiwanus Tsuneki

Bembecinus paiwanus Tsuneki, 1977j:265, ♀. Holotype: ♀, Taiwan: Paiwan (TMB).

140. pakhuisae R. Bohart

Bembecinus pakhuisae R. Bohart, 1997a:168, ♀, ♂. Holotype: ♂, South Africa: Western Cape Province: Pakhuis Pass (UCD). – S. Gess and F. Gess, 2003:116 (South Africa: visiting flowers of *Hermbsaedia glauca* (Wendl.) Reichb. ex Steud., Amarantaceae, and *Leysera gnaphaloides* (L.) L., Asteraceae); F. Gess, Pulawski, and S. Gess, 2015:212, 213 (in key to *Bembecinus rhopalocerus* species group), 234 (in revision of *Bembecinus rhopalocerus* species group).

141. pallidicinctus van der Vecht

Bembecinus pallidicinctus van der Vecht, 1949:303, ♀. Holotype: ♀, Indonesia: southwestern Java: Karang Hawu near Palabuan Ratu (RMNH). – R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Tsuneki et al., 1992c:8, 9 (in key to *Bembecinus* of Philippines), 22 (Philippines, variation).

142. papuanus (Cameron)

Stizus papuanus Cameron, 1906b:58, ♂. Holotype or syntypes: ♂, Indonesia: Papua (New Guinea): Lake Jamur (ZMA). – **As *Bembecinus papuanus***: van der Vecht, 1949:306 (new generic assignment, listed); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

143. penpuchiensis Tsuneki

Bembecinus penpuchiensis Tsuneki, 1968h:16, ♀. Holotype: ♀, Taiwan: Nantou Prefecture: Penpuchi (originally K. Tsuneki coll., now USNM). – Tsuneki, 1968h:24 (in key to *Bembecinus* of Taiwan and southern Ryukyus); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan, as *penpuchiensis*); Hua, 2006:277 (in list of Chinese insects, geographic distribution, as *penpuchiensis*).

144. peregrinus (F. Smith)

Larra peregrina F. Smith, 1856:347, ♂. Holotype: ♂, Albania: Privesa (BMNH). – **As *Stizus peregrinus***: Handlirsch, 1892:80 (new generic assignment, in revision of world Bembicini). – Dalla Torre, 1897:528 (in catalog of world

Sphecidae); Balthasar, 1972:361 (in Sphecidae Fauna of Czechoslovakia: may be expected in country). – **As Bembecinus peregrinus**: de Beaumont, 1954f:272 (new generic assignment, in revision of western Palearctic *Bembecinus*); de Beaumont and Bytinski-Salz, 1955:50 (Israel); de Beaumont, 1965a:27 (Greece), 1967a:301 (in key to *Bembecinus* of Turkey), 310 (Turkey), 1969:84 (Turkey); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Guichard, 1978:270 (Greece); Pulawski, 1978:207, 208 (in key to Sphecidae of European part of USSR); Guichard, 1991a:339 (Jordan); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:249 (in Sphecidae Fauna of Western Europe); Giachino, Grosso, Marchetti, Pagliano, Scaramozzino, and Vailati, 2000:110 (Greece); Blösch, 2002:81 (nesting habits, prey: *Hysteropterum* sp., Issidae, Homoptera); Schmid-Egger, 2004b:58 (in revision of Palearctic *Bembecinus*); Gayubo and Özbek, 2005:21 (Turkey: Antalya: Arapsuyu; Erzincan: Agricultural Research Station; Erzurum: Horasan; Kars: Sarykamýb); Jacobs, 2005a:439 (Bulgaria: Arkutino near Burgas, Primorsko, Starosel near Hissarya); Yildirim and Ljubomirov, 2005:1793 (Turkey: Antalya, Balıkesir, Erzincan, and Erzurum provinces); Ljubomirov, 2006:537 (Bulgaria: records from Rhodope Mountains summarized); Standfuss and Standfuss, 2006c:306 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Ljubomirov and Yildirim, 2008:105 (in catalog of Crabronidae of Turkey); Guéorguiev and Ljubomirov, 2009:263 (Bulgaria: Maleshevska Planina); Schmid-Egger, 2009:765 (Armenia: Ashtarak; Greece: 40 km northeast of Larissa, Lesbos, Samos; Jordan: Aljun at 32°19'N 35°43'E; Turkey: Aydin: Adnan, Burdur: 5 km northeast of Yeşilova, 8 km northeast of Isparta, Karakaya at 41°46'N 36°30'E, 20 km east-northeast of Kutahya, Mansissa: 15 km southeast of Salihi at 38°26'N 28°19'E); Bitsch, 2010:115 (in supplement to vol. II of Faune de France, 1997: biological observations by Blösch, 2002, reported); Sakenin, Samin, and Bagriacik, 2010:16 (Iran: Ardabil: Aslandooz, Germy, Pars-Abad); Nemkov, 2012b:121 (review of known prey); Yildirim, 2012:77 (Turkey: Erzurum, Iğdır, and Kars provinces); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:18 (Turkey: Erzurum, Kars, and Tunceli provinces); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:40 (Iran: known from Ardabil Province); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembecinae); Kemal and Koçak, 2018:33 (Turkey: in list of pterygot insects of Van Province); Eroğlu and Yüksel, 2019:5230 (recorded from Niğde Province of Turkey by de Beaumont, 1967, but not rediscovered since then, as *peregrin*); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:7 (Azerbaijan: Nakhichevan Autonomous Republic); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:295 (in Sphecidae Fauna of Europe); Kaplan and Yildirim, 2021:41 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

Bembecinus erberi Mocsáry, 1881b:329, ♀, ♂ (as *Erberi*, incorrect original capitalization). Syntypes: Greece: Epirus and Island of Corfu (TMB). Synonymized with *Stizus peregrinus* by Handlirsch, 1892:80.

Bembecinus biarmatus Mocsáry, 1883:45, ♂. Syntypes: ♂, Turkey: Brussa, now Bursa (TMB). Synonymized with *Bembecinus peregrinus* by de Beaumont, 1954f:272. – Atanassov, 1972a:190 (Bulgaria: Stara Planina Mountains), 1972b:32, 50 (Bulgaria: Stara Planina Mountains). – **As *Stizus peregrinus* var. *biarmatus***: Handlirsch, 1892:83 (new generic assignment, new status, in revision of world Bembecini). – **As *Bembecinus peregrinus biarmatus***: R. Bohart and Menke, 1976:531 (new status, in checklist of world Sphecidae).

145. *philippinensis* Tsuneki

Bembecinus philippinensis Tsuneki in Tsuneki et al., 1992c:25, ♀, ♂. Holotype: ♂, Philippines: Mindanao: Davao (USNM). – Tsuneki et al., 1992c:9, 10 (in key to *Bembecinus* of Philippines); Nuhn and Menke, 1994:26 (holotype in USNM).

146. *podager* (de Beaumont)

Stizus podager de Beaumont, 1951e:279, ♀, ♂. Holotype: ♂, Morocco: Immouzer (Lausanne). – **As *Bembecinus podager***: de Beaumont, 1954f:270 (new generic assignment, in revision of western Palearctic *Bembecinus*); R. Bohart

and Menke, 1976:531 (in checklist of world Sphecidae); Schmid-Egger, 2004b:60 (in revision of Palearctic *Bembecinus*), 2009:765 (Morocco: Volubilis 2.5 km northwest of Moulay Idris); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae).

147. *polychromus* (Handlirsch)

Stizus polychromus Handlirsch, 1895:976, ♀, ♂. Syntypes: South Africa: Western Cape Province: Cape of Good Hope, and Mozambique: Delagoa Bay, now Maputo Bay (ZMHU). – Dalla Torre, 1897:528 (in catalog of world Sphecidae); Arnold, 1929a:278 (in revision of southern African Sphecidae), 1930:19 (in checklist of Afrotropical Sphecidae). – *As Bembecinus polychromus*: R. Bohart and Menke, 1976:531 (new generic assignment, in checklist of world Sphecidae).

148. *posterus* (Sonan)

Stizus posterus Sonan, 1928:264, ♀. Holotype: Taiwan: Taihoku: Heirinbi (J. Sonan coll.). – *As Bembecinus posterus*: Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); Tsuneki, 1965a:14 (as new synonym of *Bembecinus hungaricus*), 1968h:15 (Taiwan; redescription), 23, 24 (in key to *Bembecinus* of Taiwan and southern Ryukyus); Tsuneki and Iida, 1969:12 (nesting habits), 18 (description of larva); Tsuneki, 1971i:6 (Taiwan; description of ♂); Haneda, 1972a:5 (Taiwan); Murota, 1973b:117 (Taiwan); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Tsuneki, 1977j:265 (Taiwan: Taihorinsho); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan); Hua, 2006:277 (in list of Chinese insects, geographic distribution); Evans and O'Neil, 2007:99 (summary of information on nesting habits).

As Bembecinus hungaricus: Tsuneki, 1965a:14 (synonymy), corrected to *Bembecinus posterus* by Tsuneki, 1968h:15.

149. *prismaticus* (F. Smith)

Larra prismatica F. Smith, 1858a:103, ♀, ♂. Syntypes: Malaysia: Sarawak: no specific locality (OXUM). – F. Smith, 1858b:15 (Indonesia: Moluccas, Sulawesi), 1863b:135 (known from Moluccas, Borneo, and Sulawesi), 1865a:85 (New Guinea; Moluccas: Island of Morotai), 1871a:367 (in catalog of Oriental Aculeata); Cameron, 1890c:314 (is a member of *Larra*). – *As Stizus prismaticus*: Sichel, 1867:142 (new generic assignment; India: Nicobar Islands: Mili, Sambelong); Cameron, 1890b:314 (in catalog of Oriental Stizini); Handlirsch, 1892:55 (original description translated into German, as *primiticus*); Bingham, 1896a:444 (Sri Lanka: Pundaluoya, probably a misidentification of *Bembecinus pusillus* according to Krombein, 1984b:21), 1897:282 (redescription), 1898a:106 (Yemen: Aden); Dalla Torre, 1897:529 (in catalog of world Sphecidae); Paiva, 1907:15 (India: West Bengal: Siliguri); van Vondel, 1995:30 (specimens from India in Natuurmuseum Rotterdam). – *As Bembecinus prismaticus*: van der Vecht, 1949:297 (new generic assignment, in revision of *Bembecinus* of Java); Iwata and Yoshikawa, 1961:399 (Thailand); Tsuneki, 1963c:24 (Thailand; male sexual characters); Iwata, 1964b:3 (nesting behavior in Thailand), 1965:107 (number of oocytes, as *prismatica*); Evans, 1966d:137 (nest temporary closure), 138 (nest structure), 139 (egg orientation in cell, progressive provisioning), 142 (summary of prey records); Tsuneki, 1974b:594 (Thailand; description of color; as *prismatica*); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Ohl and Linde, 2003:150 (number of ovarioles); Gadallah, 2020b:25 (in list of aculeate wasps of Arabian Peninsula).

150. *proteus* (Arnold)

Stizus proteus Arnold, 1929a:287, ♀, ♂. Syntypes: Zimbabwe: Sawmills, Gwaai, Victoria Falls (SAM, TMP). – Arnold, 1930:20 (in checklist of Afrotropical Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:40 (syntypes in Bulawayo Museum). – *As Bembecinus proteus*: Lohrmann, 1943:197 (new generic assignment, member of *Bembecinus meridionalis* species group); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae).

151. *proximus* (Handlirsch)

Stizus proximus Handlirsch, 1892:45, ♀, ♂. Lectotype: ♂, probably India: Barrackpore near Calcutta (NHMW), designated by Krombein, 1984b:24. – Handlirsch, 1895:977 (Burma: Carin Cheba); Bingham, 1897:283 (in Sphecidae)

Fauna of India); Dalla Torre, 1897:529 (in catalog of world Sphecidae); R. Turner, 1917e:182 (India: Anamalais: Kalyana Pandal; Cocos Islands); Gibson-Hill, 1950:161 (Cocos Islands). – *As Bembecinus proximus*: van der Vecht, 1949:306 (new generic assignment, discussion of type locality); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Krombein, 1984b:10 (nesting habits), 23 (in revision of Sri Lankan *Bembecinus*); Dollfuss, 1989:7 (lectotype in NHMW); S. Gupta, 1995:86 (India: Uttar Pradesh); Schmid-Egger, 2004b:30 (in revision of Palearctic *Bembecinus*); Evans and O'Neil, 2007:100 (summary of information on nesting habits); Sakenin, Samin, Bagriacik, and Rastegar, 2011:2 (Iran: East Azerbaijan: Arasbaran); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:347 (in new catalog of Sphecidae of Saudi Arabia); Atbaei, Fallahzadeh, and Ljubomirov, 2015:7 (Iran: Fars Province); Sadeghi, Fallahzadeh, Ostovan, Ljubomirov, and Hesami, 2016:431 (Iran: Fars Province); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:40 (Iran: known from East Azerbaijan and Fars provinces); Gadallah, 2020b:25 (in list of aculeate wasps of Arabian Peninsula); Gadallah and Abu El-Ghiet, 2024:79 (Saudi Arabia: Jazan Province: Abu Arish).

As Stizus reversus: Cameron, 1890b:245 (new generic assignment, in catalog of Oriental Stizini), 246 (variation, male antenna illustrated) and Rothney, 1903:105 (India: West Bengal: Barrackpore), corrected to *Bembecinus proximus* by Krombein, 1984b:23.

152. *pulchellus* (Mercet)

Stizus pulchellus Mercet, 1906a:146, ♀, ♂. Syntypes: Spain: Madrid: Montarco (MNCN). – Mercet, 1906a:150, 155 (in key to Spanish *Stizus*); Dusmet y Alonso, 1935:49 (Spain: Madrid: Montarco and Vaciamadrid), 56 (Spain: Madrid: El Escorial); Giner Marí, 1943a:187 (in Sphecid Fauna of Spain); de Beaumont, 1950a:61 (redescription), 1951e:274 (member of *Stizus crassipes* species group); Martín Albaladeo and Izquierdo Moya, 2006:127 (type in Museo Nacional de Ciencias Naturales). – *As Bembecinus pulchellus*: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*), 197 (member of *Bembecinus crassipes* species group); de Beaumont, 1954f:266 (in revision of western Palearctic *Bembecinus*); Ceballos, 1956:388 (in catalog of Hymenoptera of Spain), 1959:230 (in supplement to catalog of Spanish Sphecidae, as *pulchelus*); Diniz, 1973:47 (Portugal: Portalegre, Sobreira); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Gayubo, 1982b:47 (Spain: Salamanca: Aldeacipreste), 1986a:65 (Spain: Provincia Ciudad Real); Gayubo, Asís, and Tormos, 1990b:78 (Spain: Badajoz and Cáceres Provinces); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:249 (in Sphecid Fauna of Western Europe); Gayubo, González, and Torres, 2000:187 (Spain: Salamanca Province); Schmid-Egger, 2004b:60 (in revision of Palearctic *Bembecinus*); Krenn, Plant, and Szucsich, 2005:8 (scanning electron microscope image of mouthparts); 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); Bitsch, 2010:115 (in supplement to vol. II of Faune de France, 1997: recent records from Spain reported); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Vieira, Oliveira, Brewster, and Gayubo, 2013:15 (Portugal: Douro International Natural Park); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembecinae); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:296 (in Sphecid Fauna of Europe); Cross, Baldock, and Wood, 2021:29 (in catalog of Sphecidae *sensu lato* of Portugal).

153. *pusillus* (Handlirsch)

Stizus pusillus Handlirsch, 1892:46, ♀, ♂. Lectotype: ♂, India: Andaman Islands: no specific locality (NHMW), designated by Krombein, 1984b:21. – Handlirsch, 1895:978 (Burma, Borneo, Sumatra); Bingham, 1897:283 (condensed redescription from Handlirsch, 1892); Dalla Torre, 1897:529 (in catalog of world Sphecidae). – *As Bembecinus pusillus*: van der Vecht, 1949:306 (new generic assignment, listed); Baltazar, 1966:349 (in catalog of Hymenoptera of Philippines); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Krombein, 1984b:8 (nesting habits), 21 (Sri Lanka, in revision of Sri Lankan *Bembecinus*); Dollfuss, 1989:7 (lectotype in NHMW); Tsuneki et al., 1992c:9, 10 (in key to *Bembecinus* of Philippines), 30 (taxonomic history, diagnostic characters); Evans and

O'Neil, 2007:100 (summary of information on nesting habits); Kundu, Ghosh, and Tiwari, 2012:153 (India: Andaman and Nicobar Islands), 163 (geographic distribution, recognition characters).

154. *quadratus* Tsuneki

Bembecinus pacificus Tsuneki, 1968h:17, ♀, ♂, junior secondary homonym of *Bembecinus pacificus* (R. Turner, 1917). Holotype: ♀, Taiwan: Taitung (originally K. Tsuneki coll., now USNM). – Tsuneki, 1968h:24, 25 (in key to *Bembecinus* of Taiwan and southern Ryukyus), 25 (central Korea); Haneda, 1971b:32 (Taiwan); Tsuneki, 1971i:6 (Taiwan); Haneda, 1972a:5 (Taiwan); Murota, 1973b:117 (Taiwan); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Tsuneki, 1977j:265 (Taiwan: Takao, Taihanroku), 1982d:14 (Taiwan); Paik, 1985:202 (in list of Sphecidae of Korea); Nuhn and Menke, 1994:26 (holotype transferred to USNM); Porter, Stange, and Wang, 1999:14 (in checklist of Sphecidae of Taiwan).

Bembecinus quadratus Tsuneki, 1976e:434. Substitute name for *Bembecinus pacificus* Tsuneki, 1968. – Tsuneki, 1977c:5 (Taiwan: color variation), 1982b:12 (Korea: Pyongyang Botanical Garden, characteristics of specimen), 18 (known from Korea); Hua, 2006:277 (in list of Chinese insects, geographic distribution); J.-K. Kim, 2014:423 (in catalog of Sphecidae *sensu lato* of Korean Peninsula).

155. *quadririgatus* (Arnold)

Stizus quadririgatus Arnold, 1929a:297, ♀. Holotype: ♀, Namibia: Outjo District: Kamanjab, as Kamanyab (SAM). – Arnold, 1930:20 (in checklist of Afrotropical Sphecidae). – *As Bembecinus quadririgatus*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae); S. Gess and F. Gess, 2003:117 (Namibia: visiting flowers of *Hermbsstaedia odorata* (Burch.) T. Cooke, Amaranthaceae); F. Gess, Pulawski, and S. Gess, 2015:211, 213 (in key to *Bembecinus rhopalocerus* species group), 236 (in revision of *Bembecinus rhopalocerus* species group).

156. *quinqspinosus* (Say)

Nysson quinqspinosus Say, 1823:78, sex not stated (as *5-spinosus*, incorrect original spelling). Holotype or syntypes: USA: Arkansas: no specific locality (destroyed). – Le Conte, 1859a:166 (original description copied); Cresson, 1862:234 (in catalog of North American Hymenoptera), 1882b:284 (original description copied, probably not a *Nysson*); Packard, 1867:441 (listed); Cresson, 1887:280 (in catalog of North American Hymenoptera); Handlirsch, 1887:296 (original description translated into German); Dalla Torre, 1897:573 (in catalog of world Sphecidae); Maidl and Klima, 1939:137 (in catalog of world Astatinae and Bembicinae); Krombein *in* Muesebeck, Krombein, and Townes, 1951:983 (in catalog of North American Hymenoptera). – *As Bembecinus quinqspinosus*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1704 (in catalog of North American Hymenoptera, nesting sites, list of prey); O'Neill and Evans, 1983a:39 (alternative male mating tactics: correlation with size and color variation); O'Neill, 1985:2188 (egg and prey size; no sexual dimorphism in size); Radović, 1985:66 (sting apparatus analyzed); Evans, K. O'Neill, and R. O'Neill, 1986:280 (nesting sites and nocturnal clustering); K. O'Neill, Evans, and R. O'Neill, 1989:2557 (phenotypic correlates of mating success); Amarante, 1993:20 (northeastern Brazil); Hanson and Menke, 1995:648 (known from Costa Rica); R. Bohart, 1996a:524 (in revision of *Bembecinus* of North and Central America); Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument); Cambra and Santos, 2000:49 (Panama: Parque Nacional Coiba in Isla de Coiba, Pacific Ocean); Amarante, 2002:22 (in catalog of Neotropical Crabronidae); Rufz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:665 (in checklist of Mexican Sphecidae); Evans and O'Neil, 2007:100 (summary of information on nesting habits and male behavior); Buys, 2012b:76 (Brazil: Rio de Janeiro State: Duque de Caxias); Trad and Silvestre, 2017:4 (Brazil: Mato Grosso do Sul).

Larra dubia F. Smith, 1856:343, ♂, junior primary homonym of *Larra dubia* Panzer, 1806-1809. Holotype or syntypes: Brazil: Villa Nova (BMNH). Synonymized with ... – *As Stizus dubius*: Patton, 1879c:347 (new generic assignment); Handlirsch, 1892:65 (original description translated into German); Dalla Torre, 1897:523 (in catalog of world Sphecidae); Ducke, 1910:113 (Brazil: Ceará State).

- Stizus godmani* Cameron, 1890a:plate V, Fig. 8, ♀, ♂. Lectotypes [sic]: ♂, Mexico: Vera Cruz: Atoyac; and ♀, Mexico: Tabasco: Teapa (BMNH), illegally designated by Willink, 1957:703. Synonymized with *Bembecinus quinquespinosus* by R. Bohart in R. Bohart and Menke, 1976:532. – Handlirsch, 1892:58 (in revision of world Bembicini); W. Fox, 1894c:104 (Mexico: Baja California), 1895b:267 (listed), 1895c:266 (Mexico: Baja California Sur); Dalla Torre, 1897:524 (in catalog of world Sphecidae, as *godmanii*); Ashmead, 1899d:347 (in checklist of North American Crabronidae); Cockerell, 1899a:142 (New Mexico); Snow, 1906:134 (Arizona); Johnson and Rohwer, 1908:374 (Colorado); Rohwer, 1909b:246 (nesting habits), 247 (as *Stizus godmani godmani*, comparison with *godmani lineatus* and *godmani flavus*), 1914:516 (Guatemala: Gualan, Quirigua); Mickel, 1918b:434 (in catalog of Nebraskan Sphecidae); Rau, 1943:648 (Mexico: Hidalgo: Zimapan). – **As *Bembecinus godmani***: J. Parker, 1929:fig. 4 (new generic assignment, wings); Rodeck, 1931:61 (Colorado: Roggen; nesting habits); Strandtmann, 1945a:312 (nesting habits); Willink, 1949:92 (in revision of Neotropical *Bembecinus*); Krombein in Muesebeck, Krombein, and Townes, 1951:994 (in catalog of North American Hymenoptera, as *godmani godmani*); Krombein and Willink, 1951:703 (in revision of North American *Bembecinus*); Willink, 1957:702 (interpretation of Cameron's original specimens); Evans, 1959b:152 (description of larva, as *godmani godmani*), 1966d:135 (sleeping aggregations), 136 (nesting behavior), 137 (nest temporary closure), 138 (nest structure), 139 (progressive provisioning), 141 (summary of prey records), 1968:1344 (prey record, as *godmani godmani*).
- Stizus lineatus* Cameron, 1890a:103, ♂. Holotype or syntypes: ♂, Mexico: Veracruz: Atoyac (BMNH, now lost: Krombein and Willink, 1951:703). Synonymized with *Bembecinus quinquespinosus* by R. Bohart in R. Bohart and Menke, 1976:532. – Handlirsch, 1892:64 (in revision of world Bembicini); W. Fox, 1894c:104 (Mexico: Baja California); Dalla Torre, 1897:526 (in catalog of world Sphecidae); Ashmead, 1899d:347 (in checklist of North American Crabronidae); Krombein and Willink, 1951:703 (tentatively synonymized with *Bembecinus godmani*). – **As *Stizus godmani lineatus***: Rohwer, 1909b:248 (new status).
- Stizus flavus* Cameron, 1890a:103, ♂. Syntypes: Mexico: Jalisco: no specific locality; Guatemala: Teleman in Vera Paz (BMNH). Synonymized with *Bembecinus godmani* by Krombein and Willink, 1951:703 and with *Bembecinus quinquespinosus* by R. Bohart in R. Bohart and Menke, 1976:532 (as new synonym). – Handlirsch, 1892:63 (in revision of world Bembicini); W. Fox, 1894c:104 (Mexico: Baja California), 1895b:268 (listed); Dalla Torre, 1897:524 (in catalog of world Sphecidae); Ashmead, 1899d:347 (in checklist of North American Crabronidae); Mickel, 1918b:434 (in catalog of Nebraskan Sphecidae). – **As *Stizus godmani flavus***: Rohwer, 1909:248 (new status).
- As *Stizus agilis*: Cameron, 1890a:102 (redescription; Mexico, Guatemala, Brazil), corrected to *Stizus godmani* by Handlirsch, 1892:58.
- Stizus bolivari* Handlirsch, 1892:60, ♀ (as *Bolivari*, incorrect original capitalization). Holotype: ♀, Brazil: Amazonas: no specific locality (NHMW). Synonymized with *Stizus dubius* (F. Smith) by Ducke, 1910:113, and with *Bembecinus quinquespinosus* by R. Bohart, 1996:525 (by implication). – Handlirsch, 1895:979 (additional material studied); W. Fox, 1897b:383 (Brazil: Mato Grosso: Chapada de Guimaraes; also Corumbá, Santarém). – **As *Bembecinus godmani bolivari***: Willink, 1949:93 (new generic assignment, new status, in revision of Neotropical *Bembecinus*); Callan, 1954:25 (Venezuela: Paria Peninsula: Cristóbal Colón); Vesey-FitzGerald, 1956a:287 (British Guyana: Demerara, list of prey); Evans, 1966d:138 (nest structure), 141 (summary of prey records). – **As *Bembecinus bolivari***: R. Bohart and Menke, 1976:530 (species status restored, in checklist of world Sphecidae); Nascimento and Overal, 1980:3 (Brazil, Paraguay); Callan, 1991a:12 (Trinidad), 1991c:134 (prey); Hanson and Menke, 1995:648 (known from Costa Rica); Amarante, 2002:22 (in catalog of Neotropical Crabronidae); Starr and Hook, 2003:18 (in catalog of Aculeata of Trinidad, West Indies); Evans and O'Neil, 2007:56 (summary of information on nesting habits); Rasmussen and Azenjo, 2009:6 (in checklist of Crabronidae of Peru); Buys, 2012b:76 (Brazil: Rio de Janeiro State: Angra dos Reis, Duque de Caxias, Macaé, Niterói, Rio de Janeiro).

- Stizus excisus* Handlirsch, 1892:59, ♀. Syntypes: ♀, Brazil: no specific locality (TMB). Synonymized with *Bembecinus bolivari* by R. Bohart and Menke, 1976:530. – Dalla Torre, 1897:523 (in catalog of world Sphecidae). – **As *Bembecinus excisus***: Willink, 1949:110 (new generic assignment, in revision of Neotropical *Bembecinus*, may be a synonym of *Bembecinus bolivari*); Amarante, 2002:22 (in catalog of Neotropical Crabronidae, as valid species).
- Stizus flavus* var. *subalpinus* Cockerell, 1899a:142, ♂. Holotype or syntypes: ♂, USA: New Mexico: Santa Fe (USNM). Synonymized with *Bembecinus godmani* by Krombein and Willink, 1951:703 and with *Bembecinus quinquespinosus* by R. Bohart in R. Bohart and Menke, 1976:532 (as new synonym). – Ashmead, 1899d:347 (in checklist of North American Crabronidae). – **As *Stizus subalpinus***: Johnson and Rohwer, 1908:374 (new status, Colorado: Fort Collins).
- Nysson cressoni* Cameron, 1904c:95, ♀. Holotype or syntypes: ♀, "N. Mexico" (New Mexico or northern Mexico?): no specific locality (BMNH). Synonymized with *Bembecinus quinquespinosus* by R. Bohart in R. Bohart and Menke, 1976:532. – Maidl and Klima, 1939:136 (in catalog of world Astatinae and Bembicinae); Krombein in Muesebeck, Krombein, and Townes, 1951:982 (in catalog of North American Hymenoptera).
- Stizus arechavaletai* Brèthes, 1909b:63, ♂ (as *Arechavaletai*, incorrect original capitalization). Holotype: ♂, origin unknown, probably Uruguay: no specific locality (Mus. Montevideo). Synonymized with *Stizus dubius* (F. Smith) by Ducke, 1910:113. – Genise, 1990:27 (type material in Museo de Montevideo). – **As *Bembecinus arechavaletai***: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to of *Bembecinus tridens* species group).
- Stizus spegazzinii* Brèthes, 1909b:64, ♂ (as *Spegazzinii*, incorrect original capitalization). Holotype: ♂, Argentina: Mendoza: Cacheuta (MACN). Synonymized with *Bembecinus godmani bolivari* by Willink, 1949:93. – Genise, 1990:27 (type material in Museo de MACN). – **As *Larra spegazzinii***: Jörgensen, 1912:290 (new generic assignment, Argentina: Mendoza Province); Schrottky, 1913a:226 (Argentina: Mendoza). – **As *Bembecinus spegazzinii***: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group).
- Stizus nectarinioides* Ducke, 1910:113, ♀. Syntypes: ♀, Brazil: Ceará: Baturité (depository?). Synonymized with ... – Nascimento and Overall, 1979:9 (in list of Hymenoptera described by Adolfo Ducke). – **As *Bembecinus nectarinioides***: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); Willink, 1949:110 (discussion of status).

157. *rectilateralis* (Arnold)

Stizus rectilateralis Arnold, 1945:75, ♀. Syntypes: Madagascar: Antanimora, Ranomafana (MNHN). – **As *Bembecinus rectilateralis***: Leclercq, 1961d:103 (new generic assignment); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Madl, 2014a:942 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Malagasy subregion, with synonymy and locality records).

158. *remanei* Schmid-Egger

Bembecinus remanei Schmid-Egger, 2004:31, ♂. Holotype: ♂, Sudan: Ed Damar: Hudeiba 300 km northeast of Khartoum (ZSBS).

159. *reticulatus* Tsuneki

Bembecinus reticulatus Tsuneki, 1976b:47, ♀. Holotype: ♀, Philippines: Balabac: Dalawan Bay (ZMUC). – Tsuneki et al., 1992c:9 (in key to *Bembecinus* of Philippines), 22 (Philippines, variation).

160. *reversus* (F. Smith)

Larra reversa F. Smith, 1856:349, ♀, ♂. Syntypes: Indonesia: Sumatra: no specific locality (BMNH). – F. Smith, 1871a:367 (in catalog of Oriental Aculeata). – **As *Stizus reversus***: nec Cameron, 1890b:245 (new generic assignment = *Bembecinus proximus*); Handlirsch, 1892:56 (original description translated into German), 1895:977 (Cameron's, 1890b determination corrected to *Stizus proximus*); Bingham, 1897:281 (in Sphecid Fauna of India); Dalla

Torre, 1897:529 (in catalog of world Sphecidae); Pagden, 1934a:462 (Malay Peninsula; nesting in soil, preying on *Penthimia* sp., a jassid). – **As *Bembecinus reversus***: van der Vecht, 1949:300 (new generic assignment, in revision of *Bembecinus* of Java); Tsuneki, 1974b:595 (Malaya; taxonomically important characters reviewed); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Tsuneki et al., 1992c:9 (in key to *Bembecinus* of Philippines), 24 (Philippines, redescription).

161. *revindicatus* (W. Schulz)

Stizus schmiedeknechti Handlirsch, 1900a:449, ♂ (as *Schmiedeknechti*, incorrect original capitalization), junior primary homonym of *Stizus schmiedeknechti* Handlirsch, 1898. Holotype: ♂, Syria: Damascus (NHMW). – **As *Bembecinus schmiedeknechti***: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*, member of *Bembecinus peregrinus* species group).

Stizus revindicatus W. Schulz, 1906:199. Substitute name for *Stizus schmiedeknechti* Handlirsch, 1900. – **As *Bembecinus revindicatus***: de Beaumont, 1954f:271 (new generic assignment, in revision of western Palearctic *Bembecinus*); de Beaumont and Bytinski-Salz, 1955:50 (Israel); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Schmid-Egger, 2004b:61 (in revision of Palearctic *Bembecinus*), 2009:765 (Jordan: Sahar in Irbid region); Murai and Amr, 2011:118 (recorded from Syria by Handlirsch, 1900); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae).

Stizus houskai Balthasar, 1954b:274, ♂ (as *houškai*, incorrect original diacritic mark). Holotype: ♂, Israel: Jerusalem (originally V. Balthasar coll., now NMPC). Synonymized with *Bembecinus revindicatus* by de Beaumont, 1954f:271.

162. *rhodius* de Beaumont

Bembecinus rhodius de Beaumont, 1960a:10, ♀, ♂. Holotype: ♂, Greece: Island of Rhodes: Kremasti (Lausanne); Schmid-Egger, 2004b:61 (full species status restored, in revision of Palearctic *Bembecinus*); Yildirim and Ljubomirov, 2007:118 (Turkey: Karz: Kağı); Ljubomirov and Yildirim, 2008:106 (in catalog of Crabronidae of Turkey); Schmid-Egger, 2009:765 (aberrant female from island of Crete; Greece: Karpathos: Amopi; Turkey: Manissa: 15 km southeast of Salihi at 38°26'N 28°19'E, Isparta); Bitsch, 2010:115 (in supplement to vol. II of Faune de France, 1997: known from islands of Crete, of Rhodes, and from Turkey); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:18 (Turkey: Tunceli Province); Nemkov, 2017a:Table p. 2 (in zoogeographic analysis of Palearctic Bembicinae); Bitsch, Barbier, and Jacobs *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:296 (in Sphecid Fauna of Europe); Kaplan and Yildirim, 2021:41 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey). – **As *Bembecinus cyprius rhodius***: de Beaumont, 1961c:48 (new status); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae).

Bembecinus cyprius creticus de Beaumont, 1961c:48, ♀, ♂. Holotype: ♂, Greece: Island of Crete (RMNH). Synonymized with *Bembecinus rhodius* by Schmid-Egger, 2004b:62. – de Beaumont, 1965a:28 (Greece); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Bitsch, 2010:115 (in supplement to vol. II of Faune de France, 1997: synonymy reported).

163. *rhopaloceroides* (Arnold)

Stizus rhopaloceroides Brauns, 1911a:92 (sleeping on *Datura*). Nomen nudum.

Stizus rhopaloceroides Arnold, 1929a:294, ♀, ♂ (authorship attributed to Brauns). Syntypes: South Africa: Eastern Cape Province: Willowmore (TMP). – Arnold, 1930:20 (in checklist of Afrotropical Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:40 (syntypes in Bulawayo Museum). – **As *Bembecinus rhopaloceroides***: Evans, 1966d:135 (new generic assignment, observations by Brauns, 1911a); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); S. Gess, 1996:273 (floral records); S. Gess and F. Gess, 2003:117 (South Africa: visiting flowers of *Athanasia trifurcata* (L.) L., Asteraceae, and *Zygopyllum retrofractum* Thunb., Zygophyllaceae), 2006:14 (South

Africa: visiting flowers of *Zygophyllum retrofractum*, Zygophyllaceae); F. Gess, Pulawski, and S. Gess, 2015:212 (in key to *Bembecinus rhopalocerus* species group), 238 (in revision of *Bembecinus rhopalocerus* species group).

164. *rhopalocerus* (Handlirsch)

Stizus rhopalocerus Handlirsch, 1895:986, ♀. Holotype: ♀, South Africa: Cape Province (Eastern or Western?): no specific locality (MHNG). – Dalla Torre, 1897:529 (in catalog of world Sphecidae); Brauns, 1911a:92 (sleeping aggregations on *Datura*); Arnold, 1929a:293 (in revision of southern African Sphecidae), 1930:20 (in checklist of Afrotropical Sphecidae). – As *Bembecinus rhopalocerus*: Evans, 1966d:135 (new generic assignment, observations by Brauns, 1911a); R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae); S. Gess, 1996:281 (floral records); S. Gess and F. Gess, 2003:117 (South Africa: visiting flowers of *Athanasia trifurcata* (L.) L., Asteraceae); F. Gess, Pulawski, and S. Gess, 2015:211, 213 (in key to *Bembecinus rhopalocerus* species group), 240 (in revision of *Bembecinus rhopalocerus* species group).

165. *rozenorum* R. Bohart

Bembecinus rozenorum R. Bohart, 1997a:175, ♀, ♂. Holotype: ♂, Namibia: Karibib District: 39 km north of Usakos (AMNH).

166. *schlaeflei* Schmid-Egger

Bembecinus schlaeflei Schmid-Egger, 2004b:62, ♂. Holotype: ♂, Morocco: Erfoud (coll. W. Schlaefle). – Schmid-Egger, 2009:765 (description of ♀, Morocco: Tizi n Tinifit); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembicinae).

167. *schwarzi* de Beaumont

Bembecinus schwarzi de Beaumont, 1967a:303, ♀, ♂. Holotype: ♀, Turkey: Mersin: Mut (M. Schwarz coll., Ansfelden near Linz, Austria). – de Beaumont, 1967a:301 (in key to *Bembecinus* of Turkey); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Ljubomirov and Yildirim, 2008:106 (in catalog of Crabronidae of Turkey); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Atbaei, Fallahzadeh, and Ljubomirov, 2015:7 (first record from Iran: Fars Province); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:40 (Iran: known from Fars Province); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembicinae); Fallahzadeh, Ljubomirov, Tavakoli Roodi, and Saghaei, 2018:626 (Iran: Hormozgan: Sar Kahn at 27°24'N 57°07'E); Kaplan and Yildirim, 2021:41 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

168. *semperi* (Handlirsch)

Stizus semperi Handlirsch, 1892:46, ♀ (as *Semperi*, incorrect original capitalization). Holotype: ♀, Philippines: no specific locality (Zool. Mus. Hamburg, destroyed in World War 2). – Bingham, 1897:283 (in Sphecid Fauna of India); Dalla Torre, 1897:530 (in catalog of world Sphecidae). – As *Bembecinus semperi*: van der Vecht, 1949:307 (new generic assignment, listed); Baltazar, 1966:349 (in catalog of Hymenoptera of Philippines); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Tsuneki, 1976b:46 (Philippines; redescription); Tsuneki et al., 1992c:9, 10 (in key to *Bembecinus* of Philippines), 10 (Philippines, redescription); Haneda, 2011:47 (Philippines: Palawan: Aborlan).

Bembecinus semperi forma *inornatus* Tsuneki in Tsuneki et al., 1992c:13, ♂, name unavailable (Article 10.2). – Tsuneki et al., 1992c:10 (in key to *Bembecinus* of Philippines).

169. *signatus* (Handlirsch)

Stizus signatus Handlirsch, 1892:53, ♂. Holotype: ♂, Australia: New South Wales: Sydney (Zool. Mus. Hamburg, destroyed in World War 2). – Handlirsch, 1895:979 (type material is ♂); Dalla Torre, 1897:531 (in catalog of world

Sphecidae). – *As Bembecinus signatus*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae); Cardale, 1985:285 (in catalog of Australian Sphecidae).

170. *similis* Gadallah

Bembecinus similis Gadallah in Gadallah, Edmardash, Abu El-Ghiet, and Al-Fifi, 2024:550, ♀. Holotype: ♀, Saudi Arabia: Jazan Province: Fifa Mountain (Efflatoun Bey collection, Department of Entomology, Cairo University, Giza, Egypt). – Gadallah and Abu El-Ghiet, 2024:79 (Saudi Arabia: Jazan Province: Abu Arish).

171. *simillimus* (F. Smith)

Larra simillima F. Smith, 1859a:159, ♀, ♂. Lectotype: ♀, Indonesia: Maluku: Island of Aru (BMNH), designated by R. Turner, 1912b:338 ("the name should stand for the present species"). – F. Smith, 1863b:135 (known from Aru), 1871a:367 (in catalog of Oriental Aculeata). – *As Stizus simillimus*: Handlirsch, 1892:56 (new generic assignment, original description translated into German); Dalla Torre, 1897:531 (in catalog of world Sphecidae); Bingham, 1905:46 (Malaysia: Sungkei). – *As Bembecinus simillimus*: van der Vecht, 1949:307 (new generic assignment, redescription); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae).

Stizus magretti Handlirsch, 1892:43, ♀, ♂ (as *Magretti*, incorrect original capitalization). Syntypes: origin unknown, probably eastern Indonesian Archipelago according to van der Vecht, 1949:305 (NHMW). Synonymized with *Stizus simillimus* by R. Turner, 1912b:338. – Handlirsch, 1895:977 (Indonesia: Maluku Islands: Island of Waigeo); Bingham, 1897:283 (in Sphecid Fauna of India); Dalla Torre, 1897:527 (in catalog of world Sphecidae). – *As Bembecinus magretti*: van der Vecht, 1949:305 (new generic assignment, listed).

172. *sipapomae* (Arnold)

Stizus sipapomae Arnold, 1929a:272, ♀, ♂. Syntypes: Zimbabwe: Sipapoma, now Sawmills (SAM). – Arnold, 1930:19 (in checklist of Afrotropical Sphecidae); Hancock, Chahwanda, and Mhlanga, 1995:40 (syntypes in Bulawayo Museum). – *As Bembecinus sipapomae*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae).

173. *solitarius* (Arnold)

Stizus solitarius Arnold, 1936:23, ♂. Holotype: ♂, South Africa: Western Cape Province: Clanwilliam (TMP). – *As Bembecinus solitarius*: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae).

174. *somalicus* (Arnold)

Stizus quadristrigatus race *somalicus* Arnold, 1940:116, ♀. Holotype: ♀, Somalia: Warderi, now Ethiopia: Warder (SAM). – *As Bembecinus quadristrigatus somalicus*: R. Bohart and Menke, 1976:532 (new generic assignment, new status, in checklist of world Sphecidae). – *As Bembecinus somalicus*: F. Gess, Pulawski, and S. Gess, 2015:211, 213 (in key to *Bembecinus rhopalocerus* species group), 242 (new status, in revision of *Bembecinus rhopalocerus* species group); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembicinae).

Stizus quadristrigatus var. *dubiosus* Guiglia, 1941, 78, ♀. Holotype: ♀, Ethiopia: Gabredarre, now Kebri Dehar (MSNG). Synonymized with *Bembecinus somalicus* by Pulawski in F. Gess, Pulawski, and S. Gess, 2015:242. – *As Bembecinus quadristrigatus dubiosus*: R. Bohart and Menke, 1976:531 (new generic assignment, new status, in checklist of world Sphecidae).

Bembecinus priesneri Schmid-Egger, 2004b:19, ♀, ♂. Holotype: ♂, Egypt: Gebel Elba (coll. M. Schwarz, Ansfelden, Austria). Synonymized with *Bembecinus somalicus* by Pulawski, 2015:395.

175. *spincornis* (de Saussure)

Stizolarra spincornis de Saussure, 1887:9, ♂. Holotype: ♂, Madagascar: no specific locality (MNHN); see de Saussure, 1892:468 for type status. – de Saussure, 1892:467 (Madagascar, redescription). – *As Stizus spincornis*: Handlirsch,

1892:42 (new generic assignment, original description copied), 1895:972 (in revision of world Bembicinae); Dalla Torre, 1897:531 (in catalog of world Sphecidae). – *As Bembecinus spinicornis*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae); Leclercq, 1990b:119 (Madagascar, type in MNHN); R. Bohart, 1997a:177 (discussion of synonymy with *Bembecinus varians*); Madl, 1997:820 (Madagascar: Island of Nosy Boraha), 822 (in checklist of Nosy Boraha Sphecidae); Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Madl, 2014a:942 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Malagasy subregion, with synonymy and locality records).

Stizus varians Arnold, 1945:73, ♂. Syntypes: Madagascar: Bekily (MNHN). Synonymized with *Bembecinus spinicornis* by Leclercq, 1990b:119. – *As Bembecinus varians*: Leclercq, 1961d:103 (new generic assignment, Madagascar); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae).

176. *spinifemur* (de Beaumont)

Stizus spinifemur de Beaumont, 1951e:278, ♀, ♂. Syntypes: ♀, ♂, Morocco: Moyen Atlas: Timadit (Lausanne). – *As Bembecinus spinifemur*: de Beaumont, 1954f:270 (new generic assignment, in revision of western Palearctic *Bembecinus*); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Schmid-Egger, 2004b:63 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembicinae).

177. *stevensoni* Arnold

Stizus stevensoni Arnold, 1936:25, ♂ (as *Stevensoni*, incorrect original capitalization). Holotype: ♂, Zimbabwe: Sanyati Valley (SAM). – R. Bohart and Menke, 1976:527 (in checklist of world Sphecidae). – *As Bembecinus stevensoni*: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group).

178. *strenuus* (Mickel)

Stizus strenuus Mickel, 1918a:331, ♀, ♂. Holotype: ♂, USA: Nebraska: Bridgeport (UNL). – Mickel, 1918b:434 (in catalog of Nebraskan Sphecidae). – *As Bembecinus nanus strenuus*: Krombein in Muesebeck, Krombein, and Townes, 1951:994 (new generic assignment, new status, in catalog of North American Hymenoptera); Krombein and Willink, 1951:707 (in revision of North American *Bembecinus*); Muma, 1952:23 (type in UNL), 28 (paratypes in UNL); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Krombein, 1979b:1703 (in catalog of North American Hymenoptera); Evans and O'Neill, 1986:628 (nesting habits); R. Matthews and J. Matthews, 2005:64 (Nebraska: Keith County; nesting habits, provisioning not progressive). – *As Bembecinus strenuus*: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart, 1996a:525 (resurrected to full species status, in revision of *Bembecinus* of North and Central America); Evans and O'Neil, 2007:107 (summary of information on nesting habits).

179. *suada* (F. Smith)

Larra suada F. Smith, 1865a:85, ♂. Holotype or syntypes: ♂, Indonesia: Moluku islands: Island of Gilolo, now Halmahera (BMNH or OXUM). – *As Stizus suada*: Handlirsch, 1892:182 (new generic assignment, original description translated into German); Dalla Torre, 1897:531 (in catalog of world Sphecidae). – *As Bembecinus suada*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae).

180. *sudanensis* (Arnold)

Stizus sudanensis Arnold, 1951:127, ♂. Holotype: ♂, Mali: Tillembeya, now Diafarabé (BMNH). – *As Bembecinus sudanensis*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae).

181. *tanoi* Tsuneki

Bembecinus tanoi Tsuneki, 1971i:14, ♀. Holotype: ♀, Ryukyu Islands: Iriomote: Sonai (originally K. Tsuneki coll., now Hyogo Mus.). – Tano, 1972:23 (Japan: Ryukyu Islands); Tsuneki, 1972:23 (Japan: Ryukyu Islands), 1982g:64 (known from Ryukyu archipelago); Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Tano, 1994a:8

Commented [PW1]:

(holotype in K. Tsuneki coll.); Hashimoto and Nakanishi, 1997:24 (holotype transferred to Hyogo Mus.); Yamane, Ikudome, and Terayama, 1999:537 (Japan: in Identification Guide to Crabronidae of Nansei = Ryukyu Islands); Terayama, 2006:15, 16 (in key to Japanese Bembicinae).

182. *tenellus* (Klug)

Larra tenella Klug, 1845:[23], pl. 46 fig. 8, ♀, ♂. Lectotype: ♂, Egypt: no specific locality (ZMHU), designated by Schmid-Egger, 2004b:33. – F. Smith, 1856:351 (in catalog of Hymenoptera in British Museum); D. Baker, 1997b:186 (in catalog of insects described by Klug, 1945). – *As Stizus tenellus*: Handlirsch, 1892:41 (new generic assignment, in revision of world Bembicini), 1895:972 (type examined); Dalla Torre, 1897:531 (in catalog of world Sphecidae); Maidl, 1924:241 (Sudan: Sennar); Mochi, 1939b:186 (in revision of Egyptian *Stizus*); Casolari and Casolari Moreno, 1980:116 (specimens in M. Spinola collection, Torino); Pagliano, 2011a:133 (specimens in M. Spinola collection, Torino, are *Stizoides* sp.). – *As Bembecinus tenellus*: de Beaumont, 1954f:256 (new generic assignment, in revision of western Palearctic *Bembecinus*); Pulawski, 1964:75 (Egypt: Aswan; Sudan: Wadi Halfa; diagnostic characters); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Roche and Zalot, 1994:116 (Egypt: Sinai Peninsula); Schmid-Egger, 2004b:32 (in revision of Palearctic *Bembecinus*); Roche, 2007a:107 (in catalog of Egyptian Ampulicidae, Sphecidae, and Crabronidae), 2007b:7 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembicinae).

183. *tinkeri* R. Bohart

Bembecinus tinkeri R. Bohart, 1997a:175, ♀, ♂. Holotype: ♂, Australia: Western Australia: 22 km north of Eneabba (UCD).

184. *trichionotus* (Cameron)

Stizus trichionotus Cameron, 1913b:81, ♂. Holotype or syntypes: ♂, Indonesia: Moluku islands: Island of Waigeo (ZMA). – *As Bembecinus trichionotus*: Lohrmann, 1943:192 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); van der Vecht, 1949:307 (type locality and type depository); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae).

185. *tridens* (Fabricius)

Vespa tridens Fabricius, 1781:464, ♂. Holotype: Italy: no specific locality (ZMUC). – *As Crabro tridens*: Fabricius, 1793:298 (new generic assignment, redescription), 1804:313 (redescription); Dahlbom, 1845:XXV (is a member of *Stizus*). – *As Larra tridens*: Illiger, ...:890 (new generic assignment, ...); F. Smith, 1856:351 (in catalog of Hymenoptera in British Museum); Walker, 1871:25 (Djibouti: Tajura, record erroneous for geographic reasons); Taschenberg, 1875:364 (Italy: Liguria: La Spezia); Frivaldszky, 1876:354 (Hungary: Temes Komitat: Grebenáč, now in Timiș District in Romania); Vängel, 1905:166 (Hungary); Innes Bey, 1912:112 (specimens recorded by Walker, 1871, now destroyed by dermestids, were collected at Tajura). – *As Stizomorpha tridens*: A. Costa, 1859:7 (new generic assignment, in revision of Sphecidae of Kingdom of Naples), 1863:65 (Italy: Calabria Ulteriore: Brancaleone, Reggio); 1864c:124 (Italy: Campania: Benevento area), 1867c:47 (in revision of Italian Sphecidae); Kirchner, 1867:219 (in catalog of European Hymenoptera); A. Costa, 1869b:63 (in revision of Italian Sphecidae); Mocsáry, 1874:120 (Siebenbürgen, now Romania: Transylvania: no specific locality); Magretti, 1881:119 (Italy: Lombardia), 271 (in list of species discussed in this paper); Marquet, 1881:182 (southern France); A. Costa, 1882b:23 (Italy: Sardegna); Sajó, 1882:4, 5 (Hungary); A. Costa, 1883:57 (Italy: Sardegna); Kohl, 1883e:669 (Switzerland); Magretti, 1884b:106 (Italy: Firenze area), 1884c:594 (Sudan: Sawakin, Eritrea: Keren, records erroneous for zoogeographic region); von Heyden, 1884:118 (Germany: Mombach); Baldini, 1894:64 (Italy: Modena area); Rudow, 1996:329 (Germany: Brandenburg: no specific locality); Chyzer, 1902:34 (Hungary); von Heyden, 1905:81 (Germany: Hessen: Frankfurt); Rudow, 1912:55 (nesting in decaying poplar wood, obviously in error). – *As Stizolarra*

tridens: de Saussure, 1892:32 (new generic assignment). – *As Stizus tridens*: Jurine, 1807:178 (new generic assignment, in list of *Stizus*); Vander Linden, 1829:19 (bibliographic references, France, Germany, Italy); Guérin-Ménéville, 1835:pl. 70, Fig. 8 (mouthparts illustrated), 1844:438 (redescription); Klug in Waltl, 1835:88 (in list of Hymenoptera of Andalusia); Dahlbom, 1843:153 (in revision of Sphecidae and Pompilidae), 1845:476 (in key to *Stizus*); Lepelletier de Saint Fargeau, 1845:301 (in revision of world Hymenoptera); Lucas, 1849:266 (Algeria: La Calle, now El Kala); Kirschbaum, 1853:45 (Germany: Herzogtum Nassau: Mainz-Mombach); Kirchner, 1854:311 (Czechoslovakia: Kaplitz in Budweiser District, now České Budějovice); Ruthe and Stein, 1857:314 (Germany: Berlin area); Schenck, 1857:176 (in revision of fossorial wasps of Nassau Region, Germany); Taschenberg, 1858:87 (in key to Sphecidae of Germany); Funk, 1859:59 (Germany: Bayern: Bamberg); Schenck, 1860:148 (Germany: Nassau Region); Giraud, 1863a:14 (Italy: Piemonte: Suse); Taschenberg, 1866:197 (in revision of Hymenoptera of Germany); Wierzejski, 1868:117 (Ukraine: Podole Region); Palma, 1869:40 (Italy: Sicilia settentrionale); von Aichinger, 1870:319 (Austria: Tirol); Imhoff, 1863:90 (Switzerland: Wallis); P. Ivanov, 1872:152 (Ukraine: Khar'kov Oblast': Kupyansk area); Wierzejski, 1874:259 (Ukraine: Podole Region: Sinków, now Sinkiv); Marquet, 1875:209 (France: Haute-Garonne: Toulouse); Schenck, 1867a:355 (Germany: Nassau Region); Radoszkowski, 1877:39 (Kazakhstan, Uzbekistan); Rudow, 1878:237 (Germany: Eberswalde; nest parasite of *Odynerus* in wood, obviously in error); Girard, 1879:949 (morphology and habits); Becker, 1880:153 (Russia: Sarepta, now Krasnoarmeysk south of Volgograd); Kohl, 1880:173 (Italy: Trentino–Alto Adige); Yaroshevskiy, 1881:125 (Ukraine: Khar'kov Oblast': Kupyansk); Radoszkowski, 1886a:34 (male genitalia); Kohl, 1888b:728 (Austria: Tirol, now Italy: Alto Adige); F. Morawitz, 1889a:149 (China or Mongolia), 1891a:218 (Russia: Astrakhan Governorate); Radoszkowski, 1892:578 (male genitalia); Handlirsch, 1892:34 (in revision of world Bembicini); F. Morawitz, 1893b:421 (Tajikistan: Iskander-kul in Zeravshan River valley); Handlirsch, 1895:971 (additional bibliographic references); De Stefani Perez, 1895:227 (in catalog of Sicilian Hymenoptera); Acloque, 1897:94 (in Sphecid Fauna of France and Algeria); Dalla Torre, 1897:532 (in catalog of world Sphecidae); Mocsáry, 1897:82 (Kingdom of Hungary, some localities are in today's Croatia, Romania, and Slovakia); Magretti, 1898:52 (Somalia: Ganana, record certainly in error); Dominique, 1901a:506 (France: Loire-Inférieure, now Loire-Atlantique: Saint-Brevin); Ferton, 1901a:107 (preying on Cercopidae); N. Arnold, 1902:89 (Russia: Mohilev Province, now Belorussia); Ferton, 1902:514 (prey, nest closure, cocoon); de Cobelli, 1903:113 (Italy: Trentino: Dietropozzo, Rovereto); Adlerz, 1904:137 (known prey: Homoptera); Antiga and Bofill, 1904:17 (Spain: Cataluña Province); E. Saunders, 1904c:607 (Spain: Mayorca); W. Schulz, 1904b:95 (Spain, Turkestan, "Tekke in Rumelia"); Kubes, 1905:84 (Czech Republic: Kolín, as *Stigmus tridens*); Mantero, 1905:70 (Italy: Toscana: Isola del Giglio); Mercet, 1906a:149, 155 (in key to Spanish *Stizus*); Dusmet y Alonso, 1906:6 (Spain); Móczár and Henter, 1907:206 (Hungary: Hatvan, Tiszaalpár); Schmiedeknecht, 1907:216 (in key to Hymenoptera of Central Europe); de Gaulle, 1908:120 (in catalog of French Hymenoptera); Ferton, 1909:554 (nesting habits), 1910:147 (progressive provisioning); Dittrich, 1911b:22 (Germany: Niederschlesien Province, now Poland: Dolny Śląsk Region); Graeffe, 1911:46 (Italy: Trieste area); nec Morice, 1911:115 (= *Bembecinus tridens errans*); Ferton, 1912a:355 (egg laying precedes provisioning), 1914:115 (egg deposited in empty cell); Szilády, 1914:89 (Hungary: Nagyenyed); Dusmet y Alonso, 1915:87 (Spain: Aragón); Schirmer, 1912:166 (Germany: Berlin area); O. Meyer, 1919:153 (Germany: Posen Province, now Poland: Poznań Region); Stöckhert, 1919:40 (Germany: Franken); Berland, 1921:533 (Greece); Morice, 1921:823 (Iran: Talish); Dubois, 1922:199 (in key to Belgian Sphecidae); Fahringer, 1922:180 (Turkey); Hedicke, 1922:270 (Germany: Brandenburg: Gross Machnower Weinberg); Maidl, 1922:72 (Albania, Croatia); Ferton, 1923:105 (ovipositing in empty cell), 340 (yellow color replaced by white in Corsica and Sardinia); Berland, 1925d:79 (in Sphecid Fauna of France); Coulon, 1925:118 (France: Argenta; Hungary, Italy, Spain); Friese, 1926:160 (in key to Sphecidae of Central Europe, short morphological and biological characteristics); Grandi, 1927:193 (prey), 196 (description of larva); Wnukowskij, 1927:32 (Russia: Western Siberia: village Kornilovo at 53°57'N 81°10'E); Benoist, 1928:409 (France: Basses-Alpes: Barcelonnette); Berland, 1928b:177 (add Grandi, 1926 to bibliography in Berland, 1925d); Grandi, 1928a:18 (nesting site, list of prey); Guiglia, 1929:398 (Libya: Cyrenaica: Porto Bardia); Grandi,

1930:310 (list of prey, nesting habits), 312 (description of mature larva) 340 (Italy: Toscana: Maremma); A. Müller, 1930:181 (Romania: Sulina); Picard, 1930:43 (France: Hérault: common up to Bédarieux in the mountains); Schmiedeknecht, 1930:678 (in keys to Hymenoptera of North and Central Europe); Dusmet y Alonso, 1931:8 (Portugal: Cova de Piedade); Grandi, 1931:58 (Italy: Emilia-Romagna: Cervia); Giordani Soika, 1932a:21 (Italy: Lido di Venezia); Bernard, 1933:62 (France: Drôme: Dieulefit); Bischoff, 1933:4 (Morocco); Nadig, 1933:87 (Morocco: Goundafa, Taza); E. 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extinct); Józán, 2000:113 (Hungary: Bakony Mountains); Ljubomirov, 2000:12 (Bulgaria, specimens in N. Nedelkov collection); Mokrousov, 2000b:32 (Russia: Nizhniy Novgorod Oblast'); Shkuratov, 2000:57 (Russia: Rostov Oblast': Vëshenskaya village area at 49°37'N 41°45'E); Zettel, 2000:32 (Austria: Marchfeld); Vicidomini, 2000b:22 (Italy: previously recorded from Campania); Anan'eva and Kochetkov, 2001:4 (Russia: Ryazan' Oblast'); Basset, 2001:81 (France: Département de Gironde); Ivanov and Ljubomirov, 2001:213 (Bulgaria: Kresna Gorge at 41°48'N 23°10'E); Józán, 2001:281 (Hungary: Somogy County); Kazenas, 2001b:49 (in checklist of Sphecidae of Kazakhstan and Central Asia, 235 review of known biology); Ohl et al., 2001:137 (distribution in Germany by provinces); Szczepko and Kowalczyk, 2001:189 (Poland: Kampinos National Park near Warszawa); Józán, 2002:54 (Hungary: Mecsek Mountains); Kazenas, 2002a:129 (geographic distribution, collecting localities in Kazakhstan); Kowalczyk, Szczepko, and Świątek, 2002:155 (Poland: Kampinos National Park near Warszawa); Shkuratov, 2002b:140 (Russia: Rostov Oblast': Rostovskiy Nature Reserve at 46°27'N 42°41'E); Shlyakhtenok and Skibińska, 2002:35 (Belorussia: no specific locality); von der Dunk and Amos, 2002:158 (Germany: Bayern: Schwaig near Nürnberg); Zolda and Holzinger, 2002:101 (little overlap with *Bembecinus hungaricus* in prey selection: preying mainly on pricolous cicadellids); Drewes, 2003:133 (Croatia, France, Italy, Spain, Turkey: miscellaneous locality records); Generani, Pagliano, Scaramozzino, and Strumia, 2003:65 (Italy: Arcipelago Toscano); Gorobchishin, 2003:48 (Ukraine: Kiev: botanical garden); Józán, 2003:228 (Hungary: Látrányi Puszta Nature Conservation Area); Mandery, Kraus, Voith, Wickl, Scheuchl, Schubert, and Warncke, 2003:63 (Germany: in catalog of wasps and bees of Bayern); Schmid-Egger, 2003:750 (Italy: Sicilia: Armerina, Madonie, Ragusa); von de Dunk and Niedling, 2003:181 (Germany: Bayern: Zeckern north of Erlangen); Wickl, Voith, Mandery, Weber, Kraus, Bausenwein, and Blösch, 2003:196 (Germany: Bayern: strongly endangered); Gayubo, Nieves-Aldrey, González, Tormos, Rey del Castillo, and Asís, 2004:108 (Spain: Madrid: Monte de El Pardo); Gorobchishin, 2004:34 (Ukraine: Zaporiz'ka Oblast': Obitichna Kosa Nature Reserve); Gorobchishin and Protsenko, 2004:39 (Ukraine: Kherson Oblast': Chernomorskiy Nature Reserve); Kazenas, 2004b:111 (Kazakhstan: western Tien Shan), 2004d:35 (Kazakhstan: shores of Ural River); Majzlan and Deván, 2004:32 (Slovakia: Malacky-Široké); Schmid-Egger, 2004b:33 (in revision of Palearctic *Bembecinus*); Shkuratov, 2004a:75 (Russia: Rostov Oblast', list of prey), 2004b:165 (Russia: Rostov Oblast': Gosudarstvennyi Muzei-Zapovednik M.A. Sholokhova, list of prey); Skibińska in Bogdanowicz, Chudzicka, Pilipiuk, and Skibińska, 2004:355 (in catalog of Polish Crabronidae); Szczepko and Kowalczyk, 2004:127 (Poland: Kampinos National Park near Warszawa); Wiśniowski, 2004:52 and 63 (in checklist of Polish Sphecidae); Gayubo and Özbek, 2005:21 (Turkey: many localities); Jacobs, 2005a:439 (Bulgaria); Mandery, 2005:173 (Germany: Bayern: Hainberg Nature Reserve near Nürnberg); Mokrousov and Selivanova, 2005:752 (Russia: Voronezh Oblast'); Pagliano and Negrisoló, 2005:175 (in Sphecid Fauna of Italy); Saure, 2005:13 (Germany: Berlin); Shorenko, 2005a:167 (Ukraine: Crimea); Straka, 2005a:402 (vulnerable in Czech Republic); Yildirim and Ljubomirov, 2005:1793 (Turkey: Antalya, Erzurum, Kahramanmaraş, Kars, and Konya provinces); Ziska and Saure, 2005:80 (Germany: Berlin: Biesenhorster Sand); Blösch, 2006:62 (males spend nights attached to plant stems or leave blades); Bock, 2006:41 (Germany: Bayern: Kelheim District: Abensberg sands); Gorobchishin, 2006:141 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve, Keleberda; Kyiv Oblast': village Kruglik, Kyiv); Ljubomirov, 2006:537 (Bulgaria and Greece: earlier records from Rhodope Mountains summarized, as *tridens tridens*); Magdalou, 2006b:109 (France: Pyrénées-Orientales: Mas Larrieu Nature Reserve near Argelès-sur-Mer), 2006c:8 (France: Pyrénées-Orientales: Réserve Naturelle du Mas-Larrieu); Shlyakhtenok, 2006:113 (Belorussia: Polesye Radiological Nature Reserve); Standfuss and Standfuss, 2006c:306 (Greece: Thessalia: Magnisia Peninsula at 39°N 23°E); Burguet, 2007:unnumbered p. 8 (France: Puy-de-Dôme: sands Girauds-Faures in Orléat commune); Evans and O'Neil, 2007:109 (summary of information on nesting habits); Jacobs, 2007:179 (in key to Crabronidae of Germany); Jansen and Kaluza, 2007:22 (Germany: northwestern Sachsen); Józán, 2007:180 (Hungary: Zselic hills); Polidori, Zangheratti, Martinoli, and Andrietti, 2007:265 (nesting habits); Roche, 2007a:141 (is not an Egyptian species); Saure, 2007:81 (Germany: in checklist of Aculeata of Brandenburg); Shlyakhtenok, 2007b:364 (Ukraine: Chernobyl area); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia); Heneberg, Bogusch, and Rehouněk, 2008:unnumbered

p. 7 (Czech Republic: sandpits); Larnhof, 2008:45 (Austria: Niederösterreich: Nature Reserve “in den Sandbergen” near Drösing); Ljubomirov and Yildirim, 2008:107 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia); Protsenko and Drozdovskaya, 2008:128 (Ukraine: Sumy Oblast: Mogritsa village); Shcherbakov, 2008:211 (Russia: Moscow Oblast: near Ramenskoye); Baños-Picón, Asís, Gayubo, and Tormos, 2009:311 (Spain: frequency of specimens collected with hand nets and Malaise traps); Fallahzadeh, Ostovan, and Saghaei, 2009:236 (Iran: Fars: Marvdasht, Qir, Shiraz), 242 (color photograph); 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); Józán, 2009:166 (Croatia: Dubrava, Nin); Kowalczyk, Kurzac, and Nadolski, 2009:62 (Poland: between Warta and Widawka rivers); Mokrousov, 2009:279 (Russia: Republic Mari El); Nemkov, 2009b:141 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Ruchin, Antropov, and Shibayev, 2009:170 (Russia: Republic of Mordovia); Schmid-Egger, 2009:761 (southern Europe, Morocco, Turkey: no specific localities); Bitsch, 2010:115 (in supplement to vol. II of Faune de France, 1997: recent biological observations reported; variability of characters given by Schmid-Egger, 2004b, to distinguish *Bembecinus hungaricus*, *insulanus*, and *tridens*; France: Loiret: Beaugence, Lozère: Saint-Etienne-Vallée-Française); Mokrousov, 2010:61 (Russia: Vladimir and Nizhniy Novgorod oblast's, Chuvash Republic, Mari El Republic, Republic of Mordovia, Tatarstan; no specific localities); Shoreenko, 2009:368 (in list of Sphecidae *sensu lato* of Crimea); Mokrousov, 2010c:107 (Russia: Chuvash Republic: State Nature Reserve “Prisurskiy”); Schmid-Egger, 2010a:14 (in red list of Aculeata of Germany: very rare); Shoreenko and Konovalov, 2010:14 (Ukraine); Smetana, Roller, Beneš, Bogusch, Dvořák, Holý, Karas, Macek, Straka, Šima, Tyrner, Vepřek, and Zeman, 2010:101 (Western Slovakia: recorded from Borská Nížina); Tüzün and Yüksel, 2010:4473 (Turkey: Niğde Province); Baghirov, 2011b:143 (Russia: recorded from Altay by Nemkov in Nemkov, Kazenas, Budrys, and Antropov, 1995); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire), 501 (exclusive species of burned areas); Gogala, 2011:30 (Slovenia); Józán, 2011:183 (in checklist of Sphecidae *sensu lato* of Hungary); Mokrousov, Berezin, and Egorov, 2011:68 (Russia: Chuvash Republic); Murai and Amr, 2011:110 (Syria: Al Thawrah Nature Reserve at 35°51'N 28°38'E); Pagliano, 2011b:21 (Italy: Island of Lampedusa); Protsenko and Drozdovskaya, 2011:91 (Ukraine: Mikolaiv Oblast: Bugskiy Guard National Park); Saure, 2011c:197 (Germany: Berlin-Spandau: Fort Hahneberg); Tischendorf, Frommer, Flügel et al., 2011:49 (Germany: Hessen: threatened with extinction); Boillat, 2012:227 (Switzerland: in checklist of insects of Canton de Genève); Burguet *in* Durand and Burguet, 2012:2 (France: Puy-de-Dôme: sands Girauts-Faures in Orléat commune); Nemkov, 2012b:121, 122 (review of known prey), 2012e:5 (in revision of *Bembecinus* of Russia and adjacent countries); Prisniy, 2012:51 (Russia: Belgorod Oblast); Shibayev and Polumordvinov, 2012:278 (Russia: Penza Oblast); Strumia, Pagliano, and Gayubo, 2012:56 (Italy: Toscana: Riserva di San Rossore); Yildirim, 2012:77 (Turkey: Artvin, Erzurum, Iğdır, Kars, and Tunceli provinces); Dyuzhaeva, 2013:116 (Russia: Samara Oblast: Zhiguli Nature Reserve); Kazenas, 2013a:123 (color photograph of adult wasp, short information on geographic distribution and nesting habits), 2013b:498 (southeastern Kazakhstan: Ili, Sharyn, and Temerlik rivers valleys); Mokrousov, Ruchin, and Egorov, 2013:199 (Russia: Republic of Mordovia: Mordovian State Nature Reserve); Pankov, 2013:229 (Russia: Ivanovo Oblast); Saure, 2013:17 (Berlin: Treptow-Köpenick: Gosener Wiesen); A. Scholz and Liebig, 2013:16 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Shlyakhtenok, 2013:236 (in annotated catalog of aculeate wasps of Belorussia); Wiśniowski and Piotrowski, 2013:20 (Poland: Poleski National Park); Wiśniowski and Szczepko, 2013:23 (Poland: Kampinos National Park near Warszawa); Baldock, 2014:359 (Spain: Island of Mallorca); Ebrahimi, 2014:30 (Iran: Āzarbāijān-e Sharghi: two localities); Ghahari, Hayat, Lavigne, and Ostovan, 2014:1387 (prey of asilid fly *Antiphrisson adpressus* (Loew)); Mokrousov and Vafin, 2014:55 (Russia: Republic of Tatarstan); Protsenko, Fateryga, and Ivanov, 2014:27 (Crimea: many localities); Ruchin and Antropov, 2014:37 (Russia: Republic of Mordovia); Yildirim, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces);

- Zettel, Ockermüller, and Wiesbauer, 2014:172 (Austria: Niederösterreich); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Lett, 2015:5 (France: Loir-et-Cher: Gièvre); Rezaei and Fallahzadeh, 2015:4 (Iran: Fars: Dalin at 30°03'N 52°07'E and Dasht e Arzhan at 29°38'N 51°58'E, as *tridens tridens*); P. Rosa and Pagliano, 2015:97 (Italy: Lombardia and Piemonte: Parco del Ticino); Shorenko, 2015:335 (in list of Sphecidae *sensu lato* of Crimea); Samin and Bagriacik, 2016:495 (Iran: West Azerbaijan Province: Khoy and Ourmieh); Mokrousov and Popov, 2016:570 (Russia: Krasnodarskiy Krai); Schmid-Egger, Dandria, and Xuereb, 2016:80 (in checklist of Crabronidae of Maltese Islands); Stolle and Saure, 2016:921 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Vas, Szöllösi-Tóth, and Muskovits, 2016:153 (Romania: Sălaj County); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:18 (Turkey: Erzurum, Iğdır, Kars and Tunceli provinces); Jahantigh, Rakhshani; Mokhtari, and Ramroodi, 2017:40 (Iran: known from Alborz, East Azerbaijan, Fars, Guilan, Kerman, Qazvin, Sistan-o Baluchestan, and West Azerbaijan provinces); Magdalou, 2017:14 (France: Pyrénées-Orientales: Réserves Naturelles Catalanes: Mas Larrieu, Julols); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:221 (in catalog of Bembicinae of Russia, as *tridens tridens*); Pagliano, 2017:189 (Italy: Island of Lampedusa); Shorenko, 2017:79 (in Crimea collected in May through August); Kemal and Koçak, 2018:33 (Turkey: in list of pterygot insects of Van Province); Lett, 2018:203 (France: Loir-et-Cher: Gièvres at 47°16'39"N 1°41'52"E); Madl, 2018:939 (in catalog of Hymenoptera of Djibouti); Shorenko, 2018:129 (Crimea, including localities, habitats, and number of specimens); Ben Khedher, Yildirim, Braham, and Chaaban, 2019:190 (known from Tunisia: Tozeur Province, as *tridens tridens*); Carminati, Mora, and Cretin, 2019:9 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:7 (Azerbaijan: Nakhichevan Autonomous Republic); Nikolaeva, 2019:144 (Russia: Ryazan Oblast': should be excluded from Red Book, but be monitored, as *tridens tridens*); Ruchin and Antropov, 2019a:13223 (Russia: Mordovian State Nature Reserve), 2019b:163 (common in Mordovian State Nature Reserve); Bitsch, Barbier, and Jacobs in Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:297 (in Sphecidae Fauna of Europe); Gadallah, 2020b:25 (in list of aculeate wasps of Arabian Peninsula); Ghaderipour, Khayrandish, Madjdzadeh, Ebrahimi, and Schmid-Egger, 2020:111 (Iran: Kerman); Kejval, Blažej, and Erhart, 2020:91 (western Czech Republic); Saure, 2020:276 (Germany: Sachsen-Anhalt: sand dunes); Shorenko, 2020:48 (Crimea: Karadag Nature Reserve); Cross, Baldock, and Wood, 2021:29 (in catalog of Sphecidae *sensu lato* of Portugal); Kaplan and Yildirim, 2021:41 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:84 (in commented list of Sphecidae *sensu lato* of Poland); Ben Khedher, Yildirim, and Braham, 2022:4 (Tunisia: many localities); Can, 2022a:222 (supernumerary vein in forewing), 223 (supernumerary submarginal and discoidal cells); Japoshvili and Ljubomirov, 2022:276 (Georgia: Lagodekhi Protected Areas); Pytel-Huta, Skyrpan, Tsaryk, Shydlovskyy, and Khamar, 2022:54 (western Ukraine); Madl, 2023:242 (in catalog of Crabronidae of Eritrea, certainly in error); Kaplan and Yildirim, 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:428 (Uzbekistan: distribution); Olszewski, Sparks, Twerd, and Wiśniowski, 2024:5 (central Poland: common in river valleys: no specific localities, not endangered); Pytel-Huta and Franchuk, 2024:75 (Ukraine: Rivno Nature Reserve).
- Crabro cinctus* Rossi, 1790:95, ♂. Holotype or syntypes: ♂, Italy: Etruria, now Toscana: no specific locality (destroyed). Synonymized with *Crabro tridens* by Illiger, 1807b:155.
- Mellinus repandus* Panzer, 1800, Heft 73:19, [♀]. Holotype or syntypes: ♀, Germany: Erlangen (depository?). Synonymized with *Stizus tridens* by Guérin-Méneville, 1844:438. – Panzer, 1806:129 (in revision of German insects, perhaps a new genus); Peets, 1909-1911:67 (*Mellinus repandus* of Panzer = *Stizus tridens*). – **As *Stizus repandus***: Jurine, 1807:178 (new generic assignment, in list of *Stizus*, is but a variety of *Stizus tridens*); Klug in Walzl, 1835:88 (in list of Hymenoptera of Andalusia); Gistel, 1848:142 (Germany, description).
- Stizus sinuatus* Latreille, 1805:303, sex not stated. Syntypes: France: Bois de Boulogne near Paris and southern France (lost). Synonymized with *Stizus tridens* by Guérin-Méneville, 1844:438. – Spinola, 1806:74 (Italy: Genova);

Goureau, 1939:540 (closing nest each time after bringing prey); Ghiliani, 1842:25 (listed from Italy: Sicilia: Siracuse); Casolari and Casolari Moreno, 1980:116 (specimens in M. Spinola collection, Torino); Pagliano, 2011a:130 (specimens in M. Spinola collection, Torino, are *Bembecinus tridens* and *B. hungaricus*).

As *Stizus cyanescens*: Gussakovskij, 1933b:289 (Iran), corrected to *Bembecinus tridens* by Gussakovskij, 1935:441.

Stizus satsumanus Sonan, 1934:40. ♀. Holotype: ♀, Japan: southern Kyushu: Kagoshima (depository?). Synonymized with *Bembecinus tridens* by Tsuneki, 1965a:14. – Lohrmann, 1943:191 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group).

Stizus errans Kohl: Ferton, 1912a:353 and 1914:115. Nomen nudum. – Ferton, 1912a:355 (Algeria, nesting habits, oviposition precedes hunting), 369 (list of prey), 1914:115 (egg deposited in empty cell), 1923:95 (nesting habits); Nadig, 1933:87 (Morocco: Goundafa); E. Nielsen, 1933:298 (summary of nesting habits); Evans, 1966d:139 (egg orientation in cell, progressive provisioning), 142 (synopsis of prey records).

Stizus tridens errans de Beaumont, 1950f:397, ♀, ♂. Holotype: ♀, Algeria: La Calle (NHMW). Synonymized with *Bembecinus tridens* by Schmid-Egger, 2004b:33. – de Beaumont, 1951e:274 (Morocco). – As *Bembecinus tridens errans*: de Beaumont, 1954f:249 (new generic assignment, in revision of western Palearctic *Bembecinus*); Evans, 1966d:137 (nest excavation), 138 (nest structure); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae, incorrectly listed from Corsica); Steiner, 1986:110 (references to publications on nesting habits); Pagliano, 1990:75 (incorrectly listed in catalog of Italian Sphecidae).

As *Stizus tridens*: Morice, 1911:115 (Algeria, a variety), corrected to *Stizus tridens errans* by de Beaumont, 1950f:398.

ssp. caesius (Compte Sart)

Stizus tridens var. *caesia* Compte Sart, 1959:135, ♀, ♂, incorrect original termination. Holotype: ♂, Spain: Mayorca: Col d'en Rebassan near Palma (coll. Compte Sart, now?). – Ceballos, 1964:93 (in supplement to catalog of Spanish Sphecidae). – As *Bembecinus tridens caesius*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae).

ssp. cyanescens (Radoszkowski)

Stizus cyanescens Radoszkowski, 1887b:96, ♀, ♂. Syntypes: Transcaspia: no specific locality (Kraków). – Handlirsch, 1892:39 (in revision of world Bembicini); Dalla Torre, 1897:523 (in catalog of world Sphecidae); W. Schulz, 1904b:95 (discussion of status); nec W. Schulz, 1905:42 (= *Bembecinus acanthomerus*); R. Turner, 1912b:337 (southwestern Iran; Pakistan: Karachi); Morice, 1921:823 (Iraq: Amara); nec Gussakovskij, 1933b:289 (= *Bembecinus tridens*); Derwesh, 1965:71 (Iraq: no specific locality, as *cyanescens*). – As *Bembecinus cyanescens*: Gussakovskij, 1935:441 (new generic assignment, Kazakhstan, Tajikistan, Uzbekistan), 444 (in key); nec Yasumatsu, 1942c:110 (= *Bembecinus hungaricus sibiricus*); de Beaumont and Bytinski-Salz, 1955:50 (reference to Bodenheimer, 1937); de Beaumont, 1970c:8 (Iran: Baluchistan); Tsuneki, 1971m:10 (China: Peking, now Beijing), 1972b:3 (redescription); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Kazenas, 1978b:84 (in key to Sphecidae of Kazakhstan and Central Asia); Islamov, 1986:523 (Uzbekistan: Tashkent Oblast'); Kazenas, 1992c:28 (Turkmenistan: Repetek Nature Reserve); Nazarova and Shomirsaidov, 1997:24 (Tajikistan: fruit tree orchards in Vakhsh River valley); Nazarova, 1998:41 (Tajikistan: Tigrovaya Balka Nature Reserve); Kazenas, 2001b:49 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:129 (geographic distribution, collecting localities in Kazakhstan), 2004b:111 (Kazakhstan: western Tien Shan); Nazarova, 2005:94 (alfalfa fields in southwestern Tajikistan); Kazenas, 2014a:138 (Kazakhstan: Karatau Mountain Range); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:428 (Uzbekistan: distribution). – As *Bembecinus tridens cyanescens*: Schmid-Egger, 2004b:36 (new status, in revision of Palearctic *Bembecinus*).

As *Bembecinus* sp.: Yasumatsu, 1942:110 (China: Beijing), corrected to *Bembecinus cyanescens* by Tsuneki, 1971m:10.

Bembecinus tridens mongolicus Tsuneki, 1971k:199, ♀, ♂. Holotype: ♂, Mongolia: Bayanhongor Aymag: Ehingol oasis (TMB). Synonymized with *Bembecinus tridens cyanescens* by Schmid-Egger, 2004b:36. – R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae).

186. turneri (Froggatt)

Stizus turneri Froggatt, 1917:668, ♀, ♂. Syntypes: Australia: New South Wales: shores of Murrumbidge near Hay (depository unknown). – As *Bembecinus turneri*: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Cardale, 1985:285 (in catalog of Australian Sphecidae).

187. urfanensis Schmid-Egger

Bembecinus urfanensis Schmid-Egger, 2004b:64, ♀, ♂. Holotype: ♂, Turkey: Urfa (SIF). – Ljubomirov and Yildirim, 2008:108 (in catalog of Crabronidae of Turkey); Yıldırım, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces), 19 (is an endemic of Turkey); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembecinae); Kaplan and Yildirim, 2021:42 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

188. validior Gussakovskij

Bembecinus validior Gussakovskij, 1952:271, ♀, ♂. Syntypes: Tajikistan: Koy-Pyaz-Tau near Mikoyanabad, now Kabadian; and Hissar Mountains (ZIN). – R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Kazenas, 1978b:84 (in key to Sphecidae of Kazakhstan and Central Asia), 2001b:49 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:130 (geographic distribution, collecting localities in Kazakhstan); Schmid-Egger, 2004b:64 (in revision of Palearctic *Bembecinus*); Ljubomirov and Yildirim, 2008:108 (in catalog of Crabronidae of Turkey); Sakenin, Samin, and Bagriacik, 2010:16 (Iran: Sistan and Baluchistan: Zabol); Nemkov, 2012e:6 (in revision of *Bembecinus* of Russia and adjacent countries); Yıldırım, Ljubomirov, and Lelej, 2014:7 (distribution in Turkey by biogeographic provinces); Schmid-Egger, 2014:541 (United Arab Emirates); Atbaei, Fallahzadeh, and Ljubomirov, 2015:7 (Iran: Fars Province); Koçak and Kemal, 2015:138 (in checklist of Hymenoptera of Turkey); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:40 (Iran: known from Fars and Sistan-o Baluchestan provinces); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembecinae); Mokrousov, Proshchalykin, Aliyev, and Maharramov, 2019:7 (Azerbaijan: Nakhichevan Autonomous Republic); Gadallah, 2020b:25 (in list of aculeate wasps of Arabian Peninsula); Kaplan and Yildirim, 2021:42 (in catalog of Crabronidae of Turkey), 2023:1680 (in checklist of Sphecidae *sensu lato* of Turkey).

Bembecinus diacanthus de Beaumont, 1967a:307, ♀, ♂. Holotype: ♂, Turkey: Mersin: Mut (M. Schwarz coll., Ansfelden, Austria). Synonymized with *Bembecinus validior* by Schmid-Egger, 2004b:64. – de Beaumont, 1967a:301 (in key to *Bembecinus* of Turkey); R. Bohart and Menke, 1976:531 (in checklist of world Sphecidae); Dollfuss, 1989:7 (paratype in NHMW).

189. veniperdus Lohrmann

Bembecinus veniperdus Lohrmann, 1942b:212, ♀. Holotype: ♀, India: Sikkim: no specific locality (ZSBS). – As *Bembecinus veniperdus*: Lohrmann, 1943:192 (in checklist of recently described *Bembecinus*, assigned to *Bembecinus tridens* species group); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae).

190. versicolor (Handlirsch)

Stizus versicolor Handlirsch, 1892:49, ♀. Lectotype: ♀, Papua New Guinea: New Britain: no specific locality (Zool. Mus. Hamburg, destroyed in World War 2), designated by van der Vecht, 1949:307 ("should be regarded as the type"). – Handlirsch, 1895:978 (Papua New Guinea: Port Moresby); Dalla Torre, 1897:533 (in catalog of world Sphecidae). – As *Bembecinus versicolor*: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae).

191. wenzeli R. Bohart

Bembecinus wenzeli R. Bohart, 1997a:176, ♀, ♂. Holotype: ♂, Madagascar: Toliara: 38 km north of Toliara (KU). – Pulawski, 2003b:795 (in checklist of Malagasy Sphecidae); Madl, 2014a:943 (in catalog of Ampulicidae, Crabronidae, and Sphecidae of Malagasy subregion, with synonymy and locality records).

192. wheeleri Krombein and Willink

Bembecinus wheeleri Krombein and Willink, 1951:709, ♀, ♂. Holotype: ♂, USA: Arizona: Pinaleno Mountains (MCZ). – Krombein in Muesebeck, Krombein, and Townes, 1951:995 (in catalog of North American Hymenoptera); LaBerge, 1956:528 (paratype in Snow Entomological Museum); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Krombein, 1979b:1704 (in catalog of North American Hymenoptera); R. Bohart, 1996a:525 (in revision of *Bembecinus* of North and Central America); Wcislo, 1998:181 (proportions of antennae in relations to parasitic/nonparasitic behavior).

193. witzenbergensis (Arnold)

Stizus witzenbergensis Arnold, 1929a:275, ♀, ♂. Syntypes: South Africa: Western Cape Province: Ceres: Witzenberg Valley (BMNH). – Arnold, 1930:19 (in checklist of Afrotropical Sphecidae). – **As *Bembecinus witzenbergensis***: R. Bohart and Menke, 1976:532 (new generic assignment, in checklist of world Sphecidae).

194. yemenensis Schmid-Egger

Bembecinus yemenensis Schmid-Egger, 2009:761, ♀. Holotype: ♀, Yemen: 20 km south of Taizz at 13°30'N 43°57'E (OÖLM). – F. Gusenleitner and Schwarz, 2013:312 (holotype and paratypes in Biologiezentrum, Linz, Austria); Gadallah, 2020b:25 (in list of aculeate wasps of Arabian Peninsula).

195. zebratus R. Bohart

Bembecinus zebratus R. Bohart, 1997a:171, ♀, ♂. Holotype: ♂, South Africa: Western Cape Province: Worcester (UCD). – F. Gess, Pulawski, and S. Gess, 2015:212, 213 (in key to *Bembecinus rhopalocerus* species group), 243 (in revision of *Bembecinus rhopalocerus* species group).

196. zibanensis (Morice)

Stizus zibanensis Morice, 1911:117, ♀, ♂. Syntypes: Algeria: Biskra (OXUM). – de Beaumont, 1951e:280 (Morocco). – **As *Bembecinus zibanensis***: Lohrmann, 1943:193 (new generic assignment, in checklist of recently described *Bembecinus*), 197 (member of *Bembecinus meridionalis* species group); de Beaumont, 1954f:271 (in revision of western Palearctic *Bembecinus*); R. Bohart and Menke, 1976:532 (in checklist of world Sphecidae); Schmid-Egger, 2004b:66 (in revision of Palearctic *Bembecinus*); Nemkov, 2017a:Table p. 3 (in zoogeographic analysis of Palearctic Bembicinae).

sp.

Ducke, 1904:92 (a sp. similar to *Stizus cingulatus*); Yasumatsu, 1942c:110 (= *Bembecinus cyanescens*); de Beaumont, 1961e:4 (Iraq), 1967b:507 (South Africa); Evans and Matthews, 1971b:308 (Australia: nesting behavior); Haneda, 1971b:32 (Taiwan); Guichard, 1978:270 (Greece); Roche, 1981:4 (in checklist of Sphecidae of United Arab Emirates); Amarante, 1993:20 (northeastern Brazil); S. Gess, 1976:265, 266, 277, 281 (floral records); Naumann, 1998:184 (Australia: northwestern Queensland: Musselbrook area at approximately 18°40'S 138°23'E); F. Gess and S. Gess, 1999:147 (a species of *Bembecinus rhopalocerus* species group, temporary lodger in shells of *Trigonephrus* gastropod); S. Gess and F. Gess, 2003:117 (*Bembecinus rhopalocerus* species group sp. nov. A: Namibia: visiting flowers of *Hermbstaedia odorata* (Burch.) T. Cooke, Amaranthaceae, and *Limeum sulcatum* (Klotsch) Hutch., Molluginaceae, 118 (*Bembecinus rhopalocerus* species group sp. nov. B: Namibia: visiting flowers of *Petalidium lanatum* (Engl.) C.B. Cl., Acanthaceae, *Sesuvium sesuvioides* (Fenzl) Verd., Aizoaceae, *Athanasia trifurcata* (L.) L., Asteraceae, *Limeum argute-carinatum* Wawra and Peyr. and *Limeum sulcatum* (Klotsch) Hutch., Molluginaceae, and *Boerhavia deserticola* Codd, Nyctaginaceae, 118 (*Bembecinus tridens* species group sp. A and B: South Africa: visiting flowers of *Coelanthum grandiflorum* E. Mey. ex Fenzl, Aizoaceae, and *Helichrysum* sp., Asteraceae, 2006:10 (South Africa and Namibia: visiting flowers of *Hermbstaedia glauca* (J.C.Wendl.) Rchb. ex Steud. and *H. odorata* (Burch.) T. Cooke, Amaranthaceae, 33 (Namibia, visiting flowers of *Petalidium lanatum* (Engl.) C.B. Cl. and *P. variabile* C.B. Cl., Acanthaceae); Pagliano, 2011a:133 (*Stizus ochrozonius* in coll. M. Spinola, Torino, is a *Bembecinus* sp. without label of origin); Silvestre, Demétrio, Trad, de Oliveira Lima, Auko, and de Souza, 2014:67

(Brazil: Mato Grosso do Sul: dry forests in Bodoquena Mountain Range and Brazilian Chaco); Trad and Silvestre, 2017:4 (Brazil: Mato Grosso do Sul); Vanoye-Eligio, Meléndez-Ramírez, Ayala-Barajas, Delfin-González, and Horta-Vega, 2019:7 (Mexico: Yucatán); Gadallah, 2020b:25 (in list of aculeate wasps of Arabian Peninsula); Barthélémy and Guénard, 2025:10 (China: Hong Kong).

NOMINA NUDA IN BEMBECINUS

Larra psammophila Schrottky: Schrottky, 1913a:226 (Paraguay). Two other species cited in *Larra* (*bicincta* and *spgazzinii*) are *Bembecinus*.

Bembecinus rufipes (Pérez): Ceballos, 1956:388 (in catalog of Hymenoptera of Spain).