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LESTIPHORUS

Lestiphorus Lepeletier de Saint Fargeau, 1832:70. Type species: *Crabro bicinctus* Rossi, 1794, junior primary homonym of *Crabro bicinctus* Fabricius, 1793 (a name suppressed by International Commission on Zoological Nomenclature, Opinion 675, 1963:331), validated in the same Opinion, by monotypy.

Lestophorus Agassiz, 1847:208. Emendation of *Lestiphorus* Lepeletier de Saint Fargeau, 1832.

Hypomellinus Ashmead, 1899d:299. Type species: *Gorytes rufocinctus* W. Fox, 1892 [= *Gorytes piceus* Handlirsch, 1888], by original designation.

Mellinogastra Ashmead, 1899d:300. Type species: *Gorytes mellinoides* W. Fox, 1895, by original designation.

Revisions: Pate, 1946e (North America); Nemkov, 1992a (Russia and adjacent countries); Mokrousov, Proshchalykin, and Aibek, 2020 (Palearctic Region).

Key: Mokrousov and Proshchalykin, 2023:592 (Palearctic species).

Review of biology: Kazenas, 2001b:224.

In key to genera of Gorytina: Bohart, 2000:118; Nemkov, 2010b:502.

1. *becquarti* (Yasumatsu)

Gorytes becquarti Yasumatsu, 1943:13, ♂. Holotype: ♂, China: Kiangsi: Kuling (Heude Mus., Shanghai). – **As *Lestiphorus becquarti***: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae); Hua, 2006:280 (in list of Chinese insects, geographic distribution); Mokrousov and Proshchalykin, 2023:592 (in key to Palearctic *Lestiphorus*).

2. *bicinctus* (Rossi)

Crabro bicinctus Rossi, 1794:123, sex not stated, junior primary homonym of *Crabro bicinctus* Fabricius, 1793 (a name suppressed by International Commission on Zoological Nomenclature, Opinion 675, 1963:331), validated in the same Opinion. Holotype or syntypes: Italy: Etruria, now Toscana: no specific locality (lost). – Lepeletier de Saint Fargeau and Brullé, 1835:808 (discussion of species identity). – **As *Gorytes bicinctus***: Vander Linden, 1829:95 (new generic assignment, bibliographic references, Belgium: Bruxelles, description); Curtis, 1834:pl.524 (illustration of habitus, antennae, and mouthparts); Shuckard, 1837a:219 (in revision of British Aculeata); F. Smith, 1851c:38 (Great Britain: London district), 1853:65 (in checklist of British Hymenoptera), 1856:361 (in catalog of Hymenoptera in British Museum), 1858c:107 (in review of British Aculeata, redescription), 1871b:12 (in catalog of British Aculeata); Kohl, 1880:171 (Austria: Tirol: Amras, now part of Innsbruck; Italy: Trentino-Alto Adige: Riva del Garda); Handlirsch, 1888b:453 (in revision of world Bembicinae); Kohl, 1888b:727 (Austria: Tirol, now Italy: Trentino – Alto Adige: Riva), 1893:27 (Austria: Niederösterreich: Wien); E. Saunders, 1896:108 (in revision of British Aculeata); Dalla Torre, 1897:537 (in catalog of world Sphecidae); Mocsáry, 1897:82 (Kingdom of Hungary: Pregrada in today's Croatia); de Cobelli, 1903:113 (Italy: Trentino–Alto Adige: Riva); Martineau, 1904:46 (England: Budleigh Salterton); Mercet, 1906a:130 (in key to Spanish *Gorytes*); Schmiedeknecht, 1907:222 (in key to Hymenoptera of Central Europe); Frisby, 1907:159 (Great Britain: Surrey: Redhill); Ditttrich, 1911b:23 (Germany: Niederschlesien Province: Wernersdorf and Reichenstein, now Poland: Dolny Śląsk Region: Wojnarowice and Złoty Stok); Graeffe, 1911:46 (Italy: Trieste area, as *bicinetus*); Birula, 1912:540 (Ukraine: Zhytomyr Oblast': Radomyshl'); Zilahi Kiss, 1915:80 (Hungary: Boksánbánya); Dubois, 1922:202, 204 (in key to Belgian Sphecidae); Berland, 1925d:90 (in Sphecidae Fauna of France); Friese, 1926:160 (in key to Sphecidae of Central Europe, short morphological and biological characteristics); Schmiedeknecht, 1930:684 (in keys to Hymenoptera of North and Central Europe); Zavadil, 1932:96 (Czechoslovakia); Bernard, 1934b:249 (prey: *Philaenus spumarius* Linnaeus, Aphrophoridae); Crèvecoeur and Ma-réchal, 1936:253 (in catalog of Belgian Hymenoptera); Zavadil, Šustera, and Bat'a, 1937:192 (in catalog of Sphecidae).

of Czechoslovakia); van Lith, 1938:122 (Netherlands: Limburg: Aalbeek); A. Wagner, 1938a:121 (northwestern Germany); Maidl and Klima, 1939:104 and 106 (in catalog of world Astatinae and Bembicinae); Benno, 1943:67 (Netherlands: Babberich); Giner Marí, 1943a:173 (in Sphecidae Fauna of Spain); Balthasar, 1945:115 (Czech Republic: southeastern Morava Region); Šnoflak in Zavadil and Šnoflak, 1948:74 (in key to Sphecidae of Czechoslovakia); Ceballos, 1949:101 (Spain); de Beaumont, 1951g:307 (Italy); Leininger, 1951:117 (Germany: Baden-Württemberg: Sandhausen); Scobiola, 1951:273 (first record from Romania: Cișmigiu-București); Caruel, 1952b:101 (France: Marne Department); de Beaumont, 1954e:88 (Italy); Grandi, 1954:231 (Italy); Aerts, 1955:62 (Germany: Rheinland); Vergne, 1955:4 (France: Auvergne); Vogrin, 1955:35 (Yugoslavia); Ceballos, 1956:381 (in catalog of Hymenoptera of Spain); Bajári, 1957a:100 (in key to Hungarian Sphecidae); Zirngiebl, 1957:181 (Germany: Rheinland-Pfalz: Pfalz region); de Beaumont, 1959a:22 (Italy); Noskiewicz and Puławski, 1960:96 (in key to Polish Sphecidae); de Beaumont, 1964c:51 (in Sphecidae Fauna of Switzerland); Scobiola-Palade, 1967b:48 (Romania); Benedek, 1968:72 (Hungary, visiting flowers of *Pastinaca sativa* L., Apiaceae); Scobiola-Palade, 1968c:384 (Romania: București, Budești); Stritt, 1968:110 (Germany: Baden-Württemberg); Lefeber, 1969c:233 (Netherlands: Sint-Pietersberg = Montagne Saint Pierre); Schmidt, 1969:162 (Germany: Rhein-Main area: Worms); Stritt, 1969:131 (Germany: Baden-Württemberg: Karlsruhe); Zangheri, 1969:1701 (Italy: in catalog of flora and fauna of Romagna Region); Haeseler, 1970:73 (Germany: Schleswig-Holstein); Oehlke, 1970:695 (Democratic Germany); Hoop, 1971:83 (Germany: Schleswig-Holstein: Eggstedt, Flemhude, Kiel, Kiel-Eihof, Kronshagen); Schmidt, 1971c:73 (Germany: Schleswig-Holstein); Stritt, 1971a:104 (Germany: Baden-Württemberg: Karlsruhe); Balthasar, 1972:317 (in Sphecidae Fauna of Czechoslovakia); Haeseler, 1972:155 (Germany: Schleswig-Holstein: anthropogenic habitats), 1973:53 (Germany: Schleswig-Holstein: Bad Schwartau north of Lübeck); Gauss, 1974:199 (Germany: Baden-Württemberg: Witten Valley); Lefeber, 1975b:156 (Belgium); Eck, 1976:90 (Democratic Germany); Lefeber, 1976:151 (Netherlands: Weerselo); Guichard, 1977:254 (Great Britain: Surrey); Haeseler, 1977a:23 (Germany: Schleswig-Holstein: Hundsmühlen 5 km southwest of Oldenburg, Schleswig); Marion, 1978:87 (France: Nièvre Department); Pulawski, 1978:200 (in key to Sphecidae of European part of USSR); Benedek, 1979:230 (Hungary: Bakony Mountains); Lefeber, 1979:11 (in checklist of Sphecidae of Netherlands), 43 (Netherlands: distribution map); Radović and Krunić, 1979:unpaginated foldout (nesting in hard soil, foreleg structure); Richards, 1979:401 (British Channel Islands), 1980:80 (in key to Sphecidae of British Isles); Skibińska, 1982:119, 123 (Poland: Mazovian Voivodship: Ursynów, Wola Mrokowska, Warszawa); Verdcourt, 1982:99 (Great Britain: Surrey: Kew Botanic Gardens); Skibińska, 1986b:157 (Poland: Warszawa area: rural and suburban parks), 160 (gardens), 162 (urban parks), 164 (streetside green), 174 (various green urban habitats); Pádr in Šedivý, 1989a:167 (in checklist of Czechoslovakian Sphecidae); Kowalczyk, 1990:291 (Poland: Góry Świętokrzyskie); Pádr, 1990:70 (Czech Republic: Praha area); Jakubzik, 1991:74 (Germany: Köln); Delarze, 1992:67 (Switzerland: Valais: Les Follaterres); Yeo and Corbet, 1995:40 (in field guide to British solitary wasps); Harvey and Plant, 1996:80 (Great Britain: summary of records from Essex); Denton, 1998:350 (Great Britain: Hampshire); Falk, 2011:66 (Great Britain: Sussex: South Downs). – ***As Hoplisus bicinctus***: Kirschbaum, 1853:45 (new generic assignment, Germany: Herzogtum Nassau: Mainz-Mombach); Taschenberg, 1875:369 (Germany: in collection of Zoological Museum of Halle University); E. Saunders, 1880:272 (in revision of British Aculeata); Harwood, 1884:211 (Great Britain: Essex: Colchester area); R. Perkins, 1924:228 (Great Britain: Devon); Richards, 1937b:107 (in checklist of British aculeates); Guichard, 1939a:43 (Great Britain: southern Cornwall: Polperro); Spooner, 1943:74 (Great Britain); Bradley, 1957:49 (Lepeletier's specimens in M. Spinola collection, Torino); Yeo, 1957:20 (Great Britain: Middlesex, now in London); Felton, 1959:244 (Great Britain: Surrey: Woking); Guichard, 1972:245 (Great Britain: London: Bushey Park); Andrewes, 1975:104 (Great Britain: Somerset); Casolari and Casolari Moreno, 1980:121 (specimens in M. Spinola collection, Torino); Tyrner, 1987:232 (Czech Republic); Pagliano, 2014:91 (specimens in M. Spinola collection, Torino, are *Lestiphorus bicinctus*). – ***As Lestiphorus bicinctus***: Lepeletier de Saint Fargeau, 1832:70 (new generic assignment, in revision of world Hymenoptera); Wesmael, 1839:79 (contact area of gastral segments I and II crenulate); Herrich-Schaeffer, 1840:291 (Germany: Bayern: Regensburg area); Dahlbom, 1843:156 (in revision of Sphecidae and Pompilidae), 1845:480 (description); Lepeletier

de Saint Fargeau, 1845:73 (in revision of world Hymenoptera); Wesmael, 1852:107 (Belgium); A. Costa, 1858:19 (Italy: Campania: Monti Partenii in Benevento Region), 1859:39 (Italy: in revision of Sphecidae of Kingdom of Naples), 1967c:59 (in revision of Italian Sphecidae); Kirchner, 1867:219 (in catalog of European Hymenoptera); A. Costa, 1869b:75 (in revision of Italian Sphecidae); Dours, 1874:150 (in catalog of Hymenoptera of France); Kohl, 1883e:667 (Switzerland); Sickmann, 1883:83 (Germany: Niedersachsen: Wellingholthausen); Radoszkowski, 1892:5583 (male genitalia); Acloque, 1897:84 (in Sphecid Fauna of France and Algeria); de Gaulle, 1908:120 (in catalog of French Hymenoptera); A. Wagner, 1920:33 (Germany: Lower Elbe region); Noskiewicz, 1924a:114 (Poland: vicinity of Kraków); Schütze, 1925:112 (Germany: Lausitz Region: Rachlau); Blüthgen, 1929:83 (Germany: Saale River valley: Naumburg); Hamm and Richards, 1930:103 (nesting habits unknown); Bondroit, 1932:32 (Belgium: Uccle), 1933:26 (*Lestiphorus bicinctus* of Lepeletier should have a new name); Blüthgen, 1937:236 (Germany: Saale River valley: Naumburg), 1942:10 (Germany: Sachsen: known from Saal Valley but not from Kyffhäuser); Cavo, 1950:35 (France: Département du Nord); Nouvel and Ribaut, 1953:178 (France: Haute-Garonne: Saint-Béat); Benno, 1958b:11 (in review of Dutch Sphecidae); Wolf, 1959b:31 (Germany: Nassau); Benno, 1961:209 (Netherlands: Babberich), 1963:104 (Netherlands: Babberich); Benno, 1966:7 (flight period in Netherlands); Evans, 1966d:69 (summary of known behavior, nest parasite: *Nysson trimaculatus*); Lefebvre, 1966:209 (Netherlands: Bemelen, Sint-Pietersberg); Benno, 1967:34 (in checklist of Sphecidae of Netherlands); Wolf, 1968:11 (Germany: Nordrhein-Westfalen: Siegen, inhabitant of forest edge); R. Bohart and Menke, 1976:506 (in checklist of world Sphecidae); Leclercq, 1978b:map 1190 (distribution in Belgium); Marchal and Leclercq, 1979:11 (Belgium: Gembloux); Schmidt, 1979b:351 (Germany: Baden-Württemberg); Jacob-Remacle and Leclercq, 1980:194 (Belgium: gardens in Liège); Dollfuss and Ressler, 1981:317, 324 (Austria: Niederösterreich: Scheibbs District); Gayubo, 1982b:45 (Spain: Salamanca: Béjar); Leclercq, 1982a:125 (Belgium: Liège); Silvestre de Sacy, 1982:5 (France: Côtes-du-Nord: Paimpol area); Dollfuss, 1983a:77 (Austria: endangered in Niederösterreich), 78 (Austria: endangered in Burgenland), 78 (Austria: endangered in Oberösterreich), 79 (Austria: endangered in Kärnten), 80 (Austria: endangered in Steiermark), 81 (Austria: endangered in Vorarlberg), 1983b:23 (in catalog of Sphecidae of Austria); Riemann, 1983:84 (Germany: Bremen-Daverden area); Steinmann, 1983:164 (Switzerland: Graubünden Canton, nesting next to wood buildings); Chevin and Silvestre de Sacy, 1984:10 (France: Yvelines Department); Haack, Tschamtker, and Vidal, 1984:129 (Germany: Hamburg area); Lefebvre, 1984:29 (Netherlands: Maastricht); Schmidt and Westrich, 1984:240 (Germany: Rheinland Pfalz: Bad Münster); Józán, 1985b:61 (recorded from Balatonszemes by Bajári, 1957), 71 (map of distribution in Hungary), 84 (ecological and zoogeographic characteristics); Lefebvre, 1985:87 (Netherlands: southern Limburg); Dollfuss, 1987:24 (Austria); Holtappels, 1987:26 (Germany: Nordrhein Westfalen: Effelder Waldsee); Schmidt and Westrich, 1987:360 (Germany: Mainz area); Chevin, 1988:16 (France: La Manche Department); Jacobs and Oehlke, 1990:213 (new records from Democratic Germany); Pagliano, 1990:74 (in catalog of Italian Sphecidae); Schwammberger and Priesner, 1990:552 (Austria: Kärnten); Day, 1991:xvi (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:202 (in key to Sphecidae of North and Central Europe); Kowalczyk, 1991a:89, 100, 101, 105 (Poland: Łódź); Sorg and Wolf, 1991:195 (Germany: Koppelstein Reserve southeast of Koblenz); Nemkov, 1992a:936 (in revision of *Lestiphorus* of Russia and adjacent countries); Pagliano, 1992:42 (in key to Italian Nyssoninae); Archer, 1993:46 (Great Britain: Channel Islands); Kuhlmann, 1993:75 (Germany: known from Westfalen); Sorg and Wolf, 1993:60 (Germany: Rheinland-Westfalen: Nature Reserve Die Spey); Dollfuss, 1994:102 (endangered in Austria); Felton and Schneider, 1994:290 (Luxemburg); Kowalczyk, 1994:73 (Poland: Łagiewniki forest in Łódź); Theunert, 1994c:42 (Germany: summary of records from Niedersachsen and Bremen); Gorobchishin, 1995:18 (Ukraine: Kanev Nature Reserve); Jansen and Kaluza, 1995:7 (Germany: endangered in Sachsen); Negrisola in Minelli, Ruffo, and La Posta, 1995b:5 (in catalog of Italian fauna); Saure and Dürrenfeld, 1995:29 (Germany: Brandenburg: Gabower Hänge near Bad Freienwalde); Scharrer, 1995:29 (Germany: Baden-Württemberg: Büchelberg); Schmid-Egger, Risch, and Niehuis, 1995:192 (Germany: summary of records from Rheinland-Pfalz); Arens, 1996:442 (Germany: Bayern: Bayreuth area); Gorobchishin, 1996:53 (Ukraine: Kanev Nature Reserve); Jakubzik, 1996:252 (Germany: Köln); Jakubzik and Cölln, 1996b:399 (Germany: Rheinland-Pfalz); Schmid-Egger, Schmidt,

and Doczkal, 1996:377 (Germany: Baden-Württemberg: probably endangered); Voblenko, Gorobchishin, and Nesterov, 1996:15 (Ukraine: Polesye Region); Woydak, 1996:96 (Germany: Westfalen: summary of distribution and nesting habits); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:232 (in Sphecidae Fauna of Western Europe); Celary, 1997:60 (in checklist of Animals of Poland); Lauterbach, 1997c:86 (Germany: Nordrhein-Westfalen: Bielefeld); Pagliano and Alma, 1997:179 (known prey listed); Schmidt and Schmid-Egger, 1997:16 (in checklist of German Sphecidae); Standfuss and Woydak, 1997:20 (Germany: Dortmund); F. Burger, Saure, and Oehlke, 1998:28 (Germany: in list of Sphecidae of Brandenburg), 36 (probably endangered); Dollfuss, Gusenleitner, and Bregant, 1998:524 (Austria: summary of collecting records from Burgenland); Flügel, 1998:60 (Germany: Brandenburg: Unteres Oder-tal National Park); Gorobchishin, 1998a:50 (Ukraine: Kiev and surroundings); Lefeber, 1998:182 (Netherlands: Limburg: Sint-Pietersberg near Maastricht at 50°50'N 5°41'E); Petit, 1998b:260 (Belgium: Wonck); van der Smissen, 1998:61 (Germany: Schleswig-Holstein); K. Weber, 1998:142 (Germany: Bayern: Bamberg area); Hermann, 1999:7 (Germany: Niedersachsen: Oldenburg area; habitats size); Kuhlmann, Wolf, and Woydak, 1999:569 (Germany: strongly endangered in Nordrhein-Westfalen); Ljubomirov, 1999b:57 (Bulgaria: Mount Vitosha near Sofia); Majzlan, Rychlík, and Deván, 1999:146 (Slovakia: Čenkovská Step Nature Reserve); Neumayer, Schwarz, and Bregant, 1999:224 (Austria: in checklist of Sphecidae of Land Kärnten); Pauly, 1999:111 (in catalog of Belgian aculeates); Riemann, 1999:835 (Germany: Niedersachsen: sand pits near Bremen); Blösch, 2000:387 (in Sphecidae Fauna of Germany); Jacobs, 2000:8, 17 (Germany: Land Mecklenburg-Vorpommern: probably endangered); Józán, 2000:113 (Hungary: Bakony Mountains); Kuhlmann, 2000:64 (Germany: Hessen: Diemel River valley); Ljubomirov, 2000:12 (Bulgaria: specimens in N. Nedelkov collection); Edwards and Telfer, 2001:84 (Great Britain: distribution, status, habitat, flight period, prey, nesting habits, flower visiting, parasites, and distribution map); Józán, 2001:281 (Hungary: Somogy County); Ohl et al., 2001:139 (distribution in Germany by provinces); Tischendorf, 2001:30 (Germany: first record from Hessen: Kühkopf-Knoblochsaue Nature Reserve); van der Smissen, 2001:61 (Germany: Schleswig-Holstein: not endangered); Zettel, Gross, and Mazzucco, 2001:80 (Austria: Wien); Beavis, 2002:111 (Great Britain: Kent: Tunbridge Wells area); Józán, 2002:54 (Hungary: Mecsek Mountains); Kowalczyk, Szczepko, and Świątek, 2002:155 (Poland: Kampinos National Park near Warszawa); Reemer and van der Meer, 2002:Bijlage 5 (Netherlands: Gelderland: Zaltbommel area); Shlyakhtenok and Skibinska, 2002:35 (Belorussia: no specific locality); Cölln, Esser, and Jakubzik, 2003:62 (Germany: northwestern Rheinland-Pfalz: excavation sites and quarries); Drewes, 2003:138 (France: Bretagne: near Plouescat); González, Gayubo, Asís, Tormos, and García, 2003:61 (Spain: Soria: Chavaler); Haeseler, 2003:339 (Germany: Niedersachsen: Island of Harriersand near Bremen); Mandery, Kraus, Voith, Wickl, Scheuchl, Schubert, and Warncke, 2003:67 (Germany: in catalog of wasps and bees of Bayern); Nieves-Aldrey, Fontal-Cazalla, Garrido-Torres, and Rey del Castillo, 2003:42 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Reemer, 2003:62 (Netherlands: Gelderland: Zaltbommel area); von der Heide and Metscher, 2003:102 (Germany: Niedersachsen: Emsland area); Esser, Jakubzik, Sonnenburg, and Woydak, 2004:262 (Germany: in checklist of Sphecidae of Nordrhein-Westfalen); Gayubo et al. 2004:130 (Spain: Madrid: Estación Biogeológica de El Ventorrillo in Sierra de Guadarrama); Jakubzik, Niehuis, and Cölln, 2004:458 (Germany: Rheinland-Pfalz: Roßstein in Rhein valley at 50°06'42"N 7°43'87"E); Klein and Lefeber in Peeters, van Achterberg, et al., 2004:390 (in Wasp and Ant Fauna of Netherlands); Schneider and Carrières, 2004:98 (Luxemburg: Bon-Pays Region); Stolle et al., 2004:372 (Germany: Sachsen-Anhalt: last collected before 1942); van Achterberg and Peeters, 2004:32 (in checklist of Sphecidae of Netherlands); Wiśniowski, 2004:51 and 62 (in checklist of Polish Sphecidae); G. Allen, 2005a:9 (Great Britain: Dorset County: Broadstone; Kent County: Groombridge); Burger, 2005:33 (Germany: Thüringen); Gayubo and Özbek, 2005:19 (first record from Turkey: Erzurum: Tortum); Gusenleitner, 2005:1204 (Austria: Oberösterreich: Böhmndorf northwest of Reichenthal at 48°33'N 14°21'E); Haeseler, 2005:629 (Germany: Niedersachsen: Steller Heide near Bremen); Pagliano and Negrisoló, 2005:167 (in Sphecidae Fauna of Italy); Riemann and Hohmann, 2005:559 (Germany: Niedersachsen: city of Bremen and adjacent area); Saure, 2005:16 (Germany: Berlin); Schmalz, 2005:57 (references to XIXth century authors); Straka, 2005a:401 (endangered in Czech Republic); Theunert, 2005a:17 (Germany: in checklist of Sphecidae of Niedersachsen and Bremen); Yildirim and

Ljubomirov, 2005:1792 (Turkey: Şenkaya); Allen, 2006:24 (Great Britain: Kent: Tonbridge Wells); Gorobchishin, 2006:141 (Ukraine: Cherkasy Oblast': Kaniv Nature Reserve; Kyiv); N. Schneider, 2006:142 (Luxemburg: anthropogenic habitats); Shlyakhtenok, 2006:113 (Belorussia: Polesye Radiological Nature Reserve); Standfuss and Standfuss, 2006a:86 (Germany: Nordrhein-Westfalen: Dortmund); Baños-Picón, Gayubo, Asís, and González, 2007:255, 258 (Spain: Zamora: Cabañas de Aliste); Beavis, 2007:97 (Great Britain: Tunbridge Wells and Central High Weald); Evans and O'Neil, 2007:59 (summary of information on nesting habits); Herrmann, 2007a:52 (Germany: Niedersachsen: Ostfriesland); Jacobs, 2007:178 (in key to Crabronidae of Germany); Jansen and Kaluza, 2007:24 (Germany: northwestern Sachsen); Saure, 2007:82 (Germany: in checklist of Aculeata of Brandenburg); Sipos and Móczár, 2007:205 (Hungary: Bács-Kiskun megye: vicinity of Foktő); Vago, 2007:174 (France: départements d'Aisne, Nord, Pas-de-Calais, and Somme); Venne, Bleidorn, and Lauterbach, 2007:301 (Germany: Nordrhein-Westfalen: Bielefeld); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia); Vicidomini and Pignataro, 2007:2 (Italy: Salerno: known from Parco Nazionale del Cilento e Vallo di Diano), 15 (Italy: Provincia di Salerno: San Severino di Centola); Gayubo, González, Tormos, and Asís, 2008:137 (Spain: Salamanca: Parque Natural de Las Batuecas–Sierra de Francia); Haeseler, 2008:308 (Germany: Friesian Islands); Livory, Chevin, Lair, Sagot, and Baldock, 2008:37 (France: Département de la Manche); Ljubomirov and Yildirim, 2008:93 (in catalog of Crabronidae of Turkey); Nemkov, 2008b:24 (in catalog of Crabronidae of Asiatic Russia); Baños-Picón, Asís, Gayubo, and Tormos, 2009:311 (Spain: frequency of specimens collected with hand nets and Malaise traps); Debuyser and Vago, 2009:3 (in list of Sphecidae *sensu lato* of northern France); U. Frommer, 2009a:27 (Germany: in checklist of Sphecidae of Hessen); González, Gayubo, Asís, and Tormos, 2009:625 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park); Nemkov, 2009b:138 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Straka, Dvořák, and Bogusch, 2009:261 (Czech Republic: Bílý Potok); van Diemen, 2009:49 (Netherlands: airbase Gilze-Rijen); Bitsch, 2010:114 (in supplement to vol. II of Faune de France, 1997: recent records from Germany and Spain reported); Burger, 2010:287 (Germany: in red list of Sphecidae *sensu lato* of Thüringen); Esser, Fuhrmann, and Venne, 2010:36 (Germany: in checklist of aculeates of Nordrhein-Westfalen); Hable, Krauss, von der Dunk, and Wickl, 2010:27 (Germany: Bayern: Sulz- and Ottmaringer Tal); Jakubzik and Cölln, 2010:1187 (Germany: Rheinland-Pfalz: Bruchertseifen near Altenkirchen); Jakubzik, Kinkler, and Cölln, 2010:155 (Germany: Rheinland-Pfalz: Leverkusen-Steinbüchel); Schmid-Egger, 2010a:16 (in red list of Aculeata of Germany: relatively common); van der Smissen, 2010a:342 (Germany: Schleswig-Holstein and Mecklenburg-Vorpommern: locality records); Baghirov, 2011b:142 (Russia: recorded from Altai by Nemkov in Nemkov, Kazenas, Budrys, and Antropov, 1995); Cruz-Sánchez, Asís, Gayubo, Tormos, and González, 2011:498, 500 (Spain: Salamanca and Zamora provinces: Arribes del Duero Natural Park: effects of wildfire); Gogala, 2011:28 (Slovenia); Józán, 2011:183 (in checklist of Sphecidae *sensu lato* of Hungary); Sakenin, Samin, Bagriacik, and Rastegar, 2011:3 (Iran: East Azerbaijan: Arasbaran); Theunert, 2011a:20 (Germany: in checklist of aculeates of Niedersachsen including city of Bremen); Tischendorf, Frommer, Flügel et al., 2011:139 (Germany: Hessen: not endangered); Boillat, 2012:227 (Switzerland: in checklist of insects of Canton de Genève); Cölln, Jakubzik, and Krinkler, 2012:24 (Germany: Nordrhein-Westfalen: Leverkusen); Nemkov, 2012b:120 (review of known prey); Flügel, 2013a:119 (Germany: Brandenburg: Pimpinellenberg near Oderberg); A. Scholz and Liebig, 2013:20 (Germany: Sachsen: in list of Sphecidae *sensu lato*); Shlyakhtenok, 2013:235 (in annotated catalog of aculeate wasps of Belorussia); Vieira, Oliveira, Brewster, and Gayubo, 2013:16 (Portugal: Douro International Natural Park and Serras de Aire e Candeeiros Natural Park); Bitsch, 2014:399 (France: Lozère: Saint-Étienne-Vallée-Française); U. Frommer, 2014:27 (Germany: Hessen: Lorch); U. Frommer, M. Niehuis, and O. Niehuis, 2014:1322 (Germany: Hessen: Roßstein); Protsenko, Fateryga, and Ivanov, 2014:31 (Crimea: 2 km southwest of Krasnoles'ye in Simferopol' District); Yıldırım, Ljubomirov, and Lelej, 2014:6 (distribution in Turkey by biogeographic provinces); Archer, 2015:203 (Great Britain: English coastal sand dunes); Koçak and Kemal, 2015:145 (in checklist of Hymenoptera of Turkey); P. Rosa and Pagliano, 2015:102 (Italy: Lombardia and Piemonte: Parco del Ticino); Shoreenko, 2015:341 (in list of Sphecidae *sensu lato* of Crimea); Else, Bolton, and Broad, 2016:11 (in checklist of Aculeata of Great Britain and Ireland: England); Saure, 2016b:49 (Germany:

Sachsen-Anhalt: fruit orchards); Stolle and Saure, 2016:923 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:16 (Turkey: Erzurum: Narman: Mahmutçavuş); Flügel, 2017:5 (Germany: Rheinland-Pfalz: Eschkopf); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:37 (Iran: known from East Azerbaijan Province); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:224 (in catalog of Bembicinae of Russia); Shoreenko, 2017:80 (in Crimea collected in July), 2018:130 (Crimea, including localities, habitats, and number of specimens); Budrys, Orlovskytė, Petrašiūnas, and Budrienė, 2019:119 (first record from Lithuania: Molėtai District: Bilšiai at 55.1341°N 25.2707°E); Carminati, Mora, and Cretin, 2019:11 (France: in list of Sphecidae *sensu lato* of Franche-Comté); Vane-Wright, 2019:37 (Great Britain: Kent: Island of Bingley); Bitsch, Barbier, and Jacobs *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:274 (in Sphecidae Fauna of Europe); Kejval, Blažej, and Erhart, 2020:93 (western Czech Republic); Mokrousov, Proshchalykin, and Aibek, 2020:20 (in key to Palearctic *Lestiphorus*), 21 (bibliographic references, records, geographic distribution); Cross, Baldock, and Wood, 2021:28 (in catalog of Sphecidae *sensu lato* of Portugal); Kaplan and Yildirim, 2021:38 (in catalog of Crabronidae of Turkey); Olszewski, Wiśniowski, and Ljubomirov, 2021:92 (in commented list of Sphecidae *sensu lato* of Poland); Fresno, 2023:22 (Spain: Asturias: Pola de Lena); Kaplan and Yildirim, 2023:1681 (in checklist of Sphecidae *sensu lato* of Turkey).

3. *bilunulatus* A. Costa

Lestiphorus bilunulatus A. Costa, 1867c:59, ♂. Holotype: ♂, Italy: Piemonte: Canavese (Napoli). – A. Costa, 1871c:95 (comparison with *Lestiphorus bicinctus*), pl. III fig. 4 (color illustration); Kohl, 1883e:667 (Switzerland); de Gaulle, 1908:120 (in catalog of French Hymenoptera); Dubois, 1920:88 (specimen in coll. Wesmael); Blüthgen, 1942:10 (Germany: Sachsen: known from Saal Valley but not from Kyffhäuser); Wolf, 1959b:31 (known from Germany, but not from Nassau); R. Bohart and Menke, 1976:506 (in checklist of world Sphecidae); Schmidt, 1979b:351 (Germany: Baden-Württemberg); Kazenas, 1980e:82 (Russia: Primorskiy Kray and Sakhalin); Dollfuss and Ressler, 1981:317, 324 (Austria: Niederösterreich: Scheibbs District); Dollfuss, 1983a:76 (Austria: endangered in Niederösterreich), 1983b:23 (in catalog of Sphecidae of Austria); Józán, 1985b:61 (Hungary south of Lake Balaton), 71 (map of distribution in Hungary), 81 (floral records), 84 (ecological and zoogeographic characteristics); Lefebvre, 1985:87 (Netherlands: southern Limburg); Jacobs and Oehlke, 1990:213 (the only record from Democratic Germany is Blüthgen, 1942); Schwammberger and Priesner, 1990:552 (Austria: Kärnten); Day, 1991:xvi (summary of European Endangered Hymenoptera Lists); Dollfuss, 1991:202 (in key to Sphecidae of North and Central Europe); Budrys, 1992:28 (in list of Sphecidae of Lithuania); Gusenleitner, 1992:688 (Austria: Burgenland); Józán, 1992c:290 (Hungary: Zselic Hills); Nemkov, 1992a:936 (in revision of *Lestiphorus* of Russia and adjacent countries), 1992b:250 (Russia: Far East: Khingan Nature Reserve); Pagliano, 1992:42 (in key to Italian Nyssoninae); Dollfuss, 1994:99 (endangered in Austria); Józán, 1995:105 (Hungary: projected Duna-Dráva National Park); Negrisolo *in* Minelli, Ruffo, and La Posta, 1995b:5 (in catalog of Italian fauna); Nemkov *in* Nemkov, Kazenas, Budrys, et Antropov, 1995:465 (in key to Sphecidae of Russian Far East); Schmid-Egger, Schmidt, and Doczkal, 1996:377 (Germany: Baden-Württemberg: probably endangered); Bitsch, Barbier, Gayubo, Schmidt, and Ohl, 1997:232 (in Sphecidae Fauna of Western Europe); Schmidt and Schmid-Egger, 1997:17 (in checklist of German Sphecidae); Dollfuss, Gusenleitner, and Bregant, 1998:524 (Austria: summary of collecting records from Burgenland); Blösch, 2000:387 (in Sphecidae Fauna of Germany); Gusenleitner, 2000:955 (Austria: first record from Steiermark Province); Józán, 2000:113 (Hungary: Bakony Mountains), 2001:281 (Hungary: Somogy County); Ohl et al., 2001:139 (distribution in Germany by provinces); Józán, 2002:54 (Hungary: Mecsek Mountains), 2003:228 (Hungary: Látányi Puszta Nature Conservation Area); Klein and Lefebvre *in* Peeters, van Achterberg, et al., 2004:391 (in Wasp and Ant Fauna of Netherlands); Stolle et al., 2004:372 (Germany: Sachsen-Anhalt: in red list of Sphecidae); van Achterberg and Peeters, 2004:32 (in checklist of Sphecidae of Netherlands); Burger, 2005:33 (Germany: Thüringen); Nemkov, 2005a:160 (Russia: Island of Sakhalin); Pagliano and Negrisolo, 2005:167 (in Sphecidae Fauna of Italy); Straka, 2005a:395 (extinct in Czech Republic); Terayama, 2006:9, 13 (in key to Japanese Bembicinae); Baghirov, 2007:93 (Russia: southwestern Siberia); Jacobs,

2007:178 (in key to Crabronidae of Germany); Józán, 2007:180 (Hungary: Zselic hills); Vepřek and Straka, 2007:209 (in catalog of Sphecidae of Czech Republic and Slovakia, known only from Moravia and Slovakia); Nemkov, 2008b:24 (in catalog of Crabronidae of Asiatic Russia); Zettel, Wiesbauer, and Zimmermann, 2008:137 (Austria: Niederösterreich: Donauauen); Nemkov, 2009b:138 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia); Burger, 2010:287 (Germany: in red list of Sphecidae *sensu lato* of Thüringen); Schmid-Egger, 2010a:16 (in red list of Aculeata of Germany: extinct, last collected in 1971); Baghirov, 2011b:142 (Russia: Altay Republic: Kosh-Agach); Józán, 2011:183 (in checklist of Sphecidae *sensu lato* of Hungary); Boillat, 2012:227 (Switzerland: in checklist of insects of Canton de Genève); Nemkov, 2012c:447 (in catalog of Crabronidae of Russian Far East); Stolle and Saure, 2016:923 (Germany: in list of Sphecidae *sensu lato* of Sachsen-Anhalt); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:224 (in catalog of Bembicinae of Russia, as *bilunulatus bilunulatus*); Itami, 2018:9 (Japan: Niigata Prefecture); Bitsch, Barbier, and Jacobs *in* Bitsch, Barbier, Gayubo, Jacobs, Leclercq, and Schmidt, 2020:274 (in Sphecidae Fauna of Europe); Mokrousov, Proshchalykin, and Aibek, 2020:20 (in key to Palearctic *Lestiphorus*), 22 (bibliographic references, records, geographic distribution, synonymy). – **As *Gorytes bilunulatus***: Handlirsch, 1888b:451 (new generic assignment, in revision of world Bembicinae); Kohl, 1888b:727 (Austria: Tirol: Bozen, now Italy: Alto Adige: Bolzano), 1893:27 (Austria: Niederösterreich: Piesting); Dalla Torre, 1897:538 (in catalog of world Sphecidae); Mocsáry, 1897:82 (Kingdom of Hungary, Mehadia, now in Romania); Schmiedeknecht, 1907:222 (in key to Hymenoptera of Central Europe); Dubois, 1922:203, 204 (in key to Belgian Sphecidae); Berland, 1925d:90 (in Sphecidae Fauna of France), 1928b:177 (France: Ardennes: Neufmanil); Schmiedeknecht, 1930:684 (in keys to Hymenoptera of North and Central Europe); Gussakovskij, 1932:29 (Russia: Primorskiy Kray); Zavadil, Šustera, and Bat'a, 1937:192 (in catalog of Sphecidae of Czechoslovakia); Maidl and Klima, 1939:105 (in catalog of world Astatinae and Bembicinae); Šnoflak *in* Zavadil and Šnoflak, 1948:74 (in key to Sphecidae of Czechoslovakia); Steiner, 1955:145 (France: Dordogne); Vogrin, 1955:35 (Yugoslavia); Bajári, 1957a:100 (in key to Hungarian Sphecidae, not yet found in Hungary); Noskiewicz and Puławski, 1960:97 (in key to Polish Sphecidae, not yet found in Poland); Tsuneki, 1962e:70 (*Gorytes bilunulatus* in Iconographia Insectorum Japonicorum, Ed. II is actually *Lestiphorus bilunulatus yamatonis*); de Beaumont, 1964c:51 (in Sphecidae Fauna of Switzerland); Scobiola-Palade, 1967b:48 (Romania), 1968c:384 (Romania: București); Oehlke, 1970:695 (not recorded from Democratic Germany); Balthasar, 1972:318 (in Sphecidae Fauna of Czechoslovakia); Gauss, 1974:199 (Germany: Baden-Württemberg: Gerold valley near Kirchzarten); Kazenas, 1978b:73 (in key to Sphecidae of Kazakhstan and Central Asia); Marion, 1978:87 (France: Nièvre Department); Pulawski, 1978:200 (in key to Sphecidae of European part of USSR); Lefebvre, 1979:11 (in checklist of Sphecidae of Netherlands), 44 (Netherlands: distribution map). *Lestiphorus bilunulatus* A. Costa, 1869b:75. Objective synonym of *Lestiphorus bilunulatus* A. Costa, 1867c:59. *Gorytes semistriatus* Schmiedeknecht, 1881:286, ♂. Holotype: Germany: Thüringen: Gumperda (depository unknown). Synonymized with *Gorytes bilunulatus* by Kohl, 1883e:667 and Handlirsch, 1888b:451

4. *cockerelli* (Rohwer)

Gorytes cockerelli Rohwer, 1909f:371, ♂. Holotype: ♂, USA: Colorado: Boulder: University Campus (USNM). – **As *Lestiphorus cockerelli***: Pate, 1946e:212 (new generic assignment, in revision of North American *Lestiphorus*); Krombein *in* Muesebeck, Krombein, and Townes, 1951:988 (in catalog of North American Hymenoptera); Krombein, 1958a:52 (USA: West Virginia: Lost River State Park); Steiner, 1973:27 (Canada: Northwest Territories); R. Bohart and Menke, 1976:506 (in checklist of world Sphecidae); Krombein, 1979b:1696 (in catalog of North American Hymenoptera); Finnermore, 1982:224 (in Sphecidae Fauna of southern Quebec); Kurczewski and Miller, 1991:254 (Pennsylvania: Erie County; prey: *Acanalonia bivittata* (Say), Acanaloniidae); Buck, 2004:27 (Canada: in checklist of Crabronidae of Ontario), 31 (distribution within Ontario), 66 (first records from New Brunswick and Ontario: list of localities); Nemkov, 2012b:120 (review of known prey); Buck and Bennett, 2025:209 (in checklist

of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: New Brunswick, Northern Territories, Ontario, Quebec, first records from Alberta and Nova Scotia: no specific locality).

Mellinogastra williamsi Mickel, 1916a:402, ♂. Holotype: ♂, USA: Nebraska: Omaha (UNL). Synonymized with *Lestiphorus cockerelli* by Pate, 1946e:212. – Mickel, 1918b:395 (in catalog of Nebraskan Sphecidae); Muma, 1952:19 (holotype in UNL). – **As *Gorytes williamsi***: Maidl and Klima, 1939:106 (new generic assignment, in catalog of world Astatinae and Bembicinae, in subgenus *Lestiphorus*).

5. *densipunctatus* (Yasumatsu)

Gorytes densipunctatus Yasumatsu, 1943:19, ♀. Holotype: ♀, China: Kiangsi: Kuling (Heude Mus., Shanghai). – **As *Lestiphorus densipunctatus***: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae); Wu and Zhou, 1996a:146 (in revision in Economic Insect Fauna of China); Hua, 2006:280 (in list of Chinese insects, geographic distribution).

6. *egregius* (Handlirsch)

Gorytes egregius Handlirsch, 1893b:278, ♂. Holotype: ♂, Armenia: Arax River valley (NHMW). – Handlirsch, 1895:911 (in revision of world Bembicinae); Dalla Torre, 1897:541 (in catalog of world Sphecidae); Maidl and Klima, 1939:105 (in catalog of world Astatinae and Bembicinae); Dollfuss, 1989:10 (holotype in NHMW). – **As *Lestiphorus egregius***: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae); Nemkov, 1992a:938 (in revision of *Lestiphorus* of Russia and adjacent countries); Yildirim, Ljubomirov, Özbek, and Yüksel, 2016:17 (first record from Turkey: Erzincan: Erzincan); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae); Mokrousov, Proshchalykin, and Aibek, 2020:20 (in key to Palearctic *Lestiphorus*), 23 (bibliographic references, records, geographic distribution); Kaplan and Yildirim, 2021:38 (in catalog of Crabronidae of Turkey), 2023:1681 (in checklist of Sphecidae *sensu lato* of Turkey); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution).

7. *greenii* (Bingham)

Gorytes greenii Bingham, 1896a:444, ♀. Holotype: ♀, Sri Lanka: Central Province: Nuvara Eliya District: Pundaluoya (BMNH). – Bingham, 1897:272 (redescription; as *greeni*); Maidl and Klima, 1939:64 (in catalog of world Astatinae and Bembicinae, as *greeni*). – **As *Lestiphorus greenii***: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae); Krombein, 1985a:21 (redescription).

8. *icariiformis* (Bingham)

Gorytes icariiformis Bingham, 1908:356, ♀. Holotype: ♀, India: no specific locality (BMNH). – Ramakrishna Aiyar, 1916:556 (in catalog of Indian aculeates described after Bingham, 1897); Maidl and Klima, 1939:64 (in catalog of world Astatinae and Bembicinae). – **As *Lestiphorus icariiformis***: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae).

9. *mellinoides* (W. Fox)

Gorytes mellinoides W. Fox, 1896a:524, ♀. Holotype or syntypes: ♀, USA: Texas: no specific locality (ANSP). – Maidl and Klima, 1939:105 (as synonym of *Gorytes bicinctus*). – **As *Mellinogastra mellinoides***: Ashmead, 1899:300 (new generic assignment, in checklist of North American Crabronidae); Mickel, 1918b:395 (in catalog of Nebraskan Sphecidae). – **As *Lestiphorus mellinoides***: Krombein, 1939:143 (new generic assignment, New York State); Pate, 1946e:212 (in revision of North American *Lestiphorus*); R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae); Krombein, 1979b:1696 (in catalog of North American Hymenoptera).

10. *mimicus* (Arnold)

Arpactus mimicus Arnold, 1931:206, ♂. Holotype: ♂, Namibia: Aus (BMNH). – **As *Gorytes mimicus***: Maidl and Klima, 1939:54 (new generic assignment, in catalog of world Astatinae and Bembicinae). – **As *Lestiphorus mimicus***: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae).

11. *nemkovi* Mokrousov and Proshchalykin

Lestiphorus nemkovi Mokrousov and Proshchalykin in Mokrousov, Proshchalykin and Aibek, 2020:23, ♀. Holotype: ♀, Russia: Tyva Republic: 31 km east-northeast of Erzin village at Erzin River at 50°21'N 95°33'E (ZIN). – Mokrousov, Proshchalykin, and Aibek, 2020:20 (in key to Palearctic *Lestiphorus*).

12. *oreophilus* (Kuznetsov-Ugamskij)

Gorytes oreophilus Kuznetsov-Ugamskij, 1927:246, ♂. Lectotype: ♂, Uzbekistan: Min-Bulak 65 km northeast of Tashkent (ZIN), designated by Nemkov, 1992a:938. – Maidl and Klima, 1939:54 (in catalog of world Astatinae and Bembicinae); Kazenas, 1978b:73 (in key to Sphecidae of Kazakhstan and Central Asia, as *oreophitus*). – As *Lestiphorus oreophilus*: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae); Kazenas, 1986:238 (rare in Kazakhstan, needs protection); Nemkov, 1992a:938 (in revision of *Lestiphorus* of Russia and adjacent countries); Esenbekova and Kazenas, 2000:62 (southeastern Kazakhstan: 7-8 km south of Alma Ata); Kazenas, 2001b:46 (in checklist of Sphecidae of Kazakhstan and Central Asia); Kazenas and Esenbekova, 2001:135 (Kazakhstan: Almatinskiy Nature Reserve); Kazenas, 2002a:123 (geographic distribution, collecting localities in Kazakhstan), 2004b:110 (Kazakhstan: western Tien Shan), 2008a:105 (southeastern Kazakhstan: 5-8 km south, 5 km southwest, 10-12 and 40 km west of Alma Ata, 4 km south of Talgar); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae); Kazenas, 2019:88 (endangered in Uzbekistan); Mokrousov, Proshchalykin, and Aibek, 2020:20 (in key to Palearctic *Lestiphorus*), 25 (bibliographic references, records, geographic distribution); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:426 (Uzbekistan: distribution).

13. *pacificus* (Gussakovskij)

Gorytes pacificus Gussakovskij, 1932:29, ♀. Lectotype: ♀, Russia: Primorskiy Kray: Maykhe River in Shkotov District near Vladivostok (ZIL), designated by Nemkov, 1992a:937. – Maidl and Klima, 1939:105 (in catalog of world Astatinae and Bembicinae). – As *Lestiphorus pacificus*: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae); Kazenas, 1980e:83 (Russia: Far East); Nemkov, 1992a:937 (in revision of *Lestiphorus* of Russia and adjacent countries); Nemkov in Nemkov, Kazenas, Budrys, et Antropov, 1995:465 (in key to Sphecidae of Russian Far East); Nemkov, 2008b:25 (in catalog of Crabronidae of Asiatic Russia), 2009a:66 (is an endemic of Russian Far East), 2009b:139 (in new catalog of Sphecidae and Crabronidae of Asiatic Russia), 2012c:447 (in catalog of Crabronidae of Russian Far East); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae), 2017b:224 (in catalog of Bembicinae of Russia); Mokrousov, Proshchalykin, and Aibek, 2020:20 (in key to Palearctic *Lestiphorus*), 25 (bibliographic references, records, geographic distribution).

14. *peregrinus* (Yasumatsu)

Gorytes peregrinus Yasumatsu, 1943:10, ♀, ♂. Holotype: China: Beijing (Heude Mus., Shanghai). – As *Lestiphorus peregrinus*: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae); Hua, 2006:280 (in list of Chinese insects, geographic distribution); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae); Mokrousov, Proshchalykin, and Aibek, 2020:20 (in key to Palearctic *Lestiphorus*), 26 (bibliographic references, geographic distribution).

15. *persimilis* (R. Turner)

Gorytes persimilis R. Turner, 1926b:200, ♀. Syntypes: Peninsular Thailand: Nakon Sri Tamarat: Khao Ram (BMNH). – Maidl and Klima, 1939:64 (in catalog of world Astatinae and Bembicinae, in subgenus *Ammatomus*). – As *Lestiphorus persimilis*: R. Bohart and Menke, 1976:506 (new generic assignment, in checklist of world Sphecidae).

16. *philippinicus* Tsuneki

Lestiphorus philippinicus Tsuneki in Tsuneki et al., 1992c:3, ♂. Holotype: ♂, Philippines: Mindanao: Cagayan de Oro: Makahambus Cave (USNM). – Nuhn and Menke, 1994:26 (holotype in USNM).

17. piceus (Handlirsch)

Gorytes piceus Handlirsch, 1888b:455, ♂. Holotype: ♂, Canada: British Columbia: Revelstocke (NHMW). – W. Fox, 1896a:524 (in revision of North American *Gorytes*); Dalla Torre, 1897:549 (in catalog of world Sphecidae); Ashmead, 1899d:329 (in checklist of North American Crabronidae, generic placement tentative); Maidl and Klima, 1939:106 (in catalog of world Astatinae and Bembicinae); Dollfuss, 1989:10 (type series in NHMW). – **As *Hypomellinus piceus***: Ashmead, 1899d:300 (tentative new generic assignment, in checklist of North American Crabronidae). – **As *Lestiphorus piceus***: Pate, 1946e:213 (new generic assignment, in revision of North American *Lestiphorus*); Krombein in Muesebeck, Krombein, and Townes, 1951:988 (in catalog of North American Hymenoptera); Horning and Barr, 1970:105 (USA: Idaho: Craters of the Moon National Monument); R. Bohart and Menke, 1976:506 (in checklist of world Sphecidae); Krombein, 1979b:1696 (in catalog of North American Hymenoptera); D. Evans, 1985:22 (Canada: British Columbia: southern Vancouver Island: associated with *Quercus garryana* Douglas, Fagaceae); Ratzlaff, 2016:24 (Canada: British Columbia: from Handlirsch, 1888 and Krombein, 1979); Buck and Bennett, 2025:209 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, British Columbia, first records from Saskatchewan and Yukon Territory: no specific locality).

Gorytes rufocinctus W. Fox, 1892:153, ♀. Holotype: ♀, USA: Washington: no specific locality (ANSP). Synonymized with *Lestiphorus piceus* by Pate, 1946e:213. – Handlirsch, 1895:913 (original description translated into German); W. Fox, 1896a:524 (in revision of North American *Gorytes*); Dalla Torre, 1897:553 (in catalog of world Sphecidae); Cresson, 1928:48 (holotype in ANSP); Maidl and Klima, 1939:106 (as synonym of *Gorytes bicinctus*). – **As *Hypomellinus rufocinctus***: Ashmead, 1899d:300 (new generic assignment, in checklist of North American Crabronidae). – **As *Lestiphorus rufocinctus***: Pate, 1936e:213 (new generic assignment).

18. pictus Nemkov

Lestiphorus pictus Nemkov, 1992a:940, ♂. Holotype: ♂, Kyrgyzstan: southern shore of Lake Issyk-Kul (ZIN). – Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae); Mokrousov, Proshchalykin, and Aibek, 2020:21 (in key to Palearctic *Lestiphorus*), 26 (bibliographic references, records, geographic distribution).

19. rugulosus Wu and Zhou

Lestiphorus rugulosus Wu and Zhou, 1996:146, ♀, ♂. Holotype: ♀, China: Sichuan: Emeishan (Inst. Zool., Academia Sinica, Beijing, China). – Hua, 2006:280 (in list of Chinese insects, geographic distribution); Nemkov, 2017a:Table p. 8 (in zoogeographic analysis of Palearctic Bembicinae); Barthélémy and Guénard, 2025:10 (China: Hong Kong).

sp.

Hanson and Menke, 1995:647 (Costa Rica).

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chalconotus Brèthes, 1910a:276 (Argentina).

SPECIES DESCRIBED IN LESTIPHORUS AND TRANSFERRED TO OTHER GENERA

africanus Radoszkowski, 1881 = *Pseudoplisus natalensis* F. Smith, 1856

asiaticus Radoszkowski, 1886 = *Ammatomus*

behni Dahlbom, 1842 = *Hoplisoidea ater* (Gmelin, 1790)

mitjaevi (Kazenas, 1972) = *Ammatomus coarctatus* (Spinola, 1808).