

Last updated: 4 May, 2025

PARAPSAMMOPHILA

Parapsammophila Taschenberg, 1869:469. Type species: *Parapsammophila miles* Taschenberg, 1869 [= *Ammophila cyanipennis* Lepeletier de Saint Fargeau, 1845], designated by Pate, 1937c:48.

Ceratosphex Rohwer, 1922:671. Type species: *Sphex bakeri* Rohwer, 1922, by original designation and monotypy.

1. *algira* (Kohl)

Ammophila algira Kohl, 1901d:147, ♀. Holotype or syntypes: ♀, Algeria: Biskra (NHMW). – W. Schulz, 1905b:34 (Algeria: Biskra); Kohl, 1906b:306 (in revision of Palearctic *Ammophilini*); Roth, 1928:183 (in revision of North African *Ammophilini*); Alfieri, 1946:123 (in revision of Egyptian *Ammophila*, but unknown from Egypt); de Beaumont, 1950f:395 (Morocco), 1951e:263 (Morocco); Grandi, 1953:236 (Algeria: Touggourt); de Beaumont and Bytinski-Salz, 1955:35 (Israel); Leclercq, 1955h:71 (bibliographic references, Algeria: Ain Rich); de Beaumont, 1968b:146 (recognition characters), 1970a:387 (Afghanistan), 1970c:2 (Iran: Baluchistan). – **As *Parapsammophila algira***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae; North Africa to Afghanistan); Guichard, 1988a:123 (Saudi Arabia: El Riyadh); Roche and Zalat, 1994:114 (Egypt: Sinai Peninsula); Gadallah and Assery, 2004a:222 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:23 (in checklist of Egyptian Sphecidae), 2007b:2 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2010a:538 (locality records from Jordan, Morocco, and Syria); Schmid-Egger, 2011b:599 (United Arab Emirates: Wadi el-Helo); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:360 (in new catalog of Sphecidae of Saudi Arabia); Dunford, Turbyville, and Leavengood, 2014:10 (listed as medically important in Afghanistan); Schmid-Egger, 2014:619 (color photographs of female and male); Dollfuss, 2015b:436 (Jordan: Wadi Rum: near Al Ghal); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:18 (Iran: known from Sistan-o Baluchestan Province); Gadallah, 2020d:81 (in list of aculeate wasps of Arabian Peninsula).

Ammophila caelebs Kohl, 1901d:148, ♂. Holotype: ♂, Egypt: Fayum (NHMW). Synonymized with *Parapsammophila algira* by Menke in R. Bohart and Menke, 1976:139. – Kohl, 1906b:307 (in revision of Palearctic *Ammophilini*); Alfieri, 1946:124 (in revision of Egyptian *Ammophila*); Leclercq, 1955h:71 (bibliographic references). – **As *Parapsammophila caelebs***: Dollfuss, 1989:11 (new generic assignment, holotype in NHMW).

Ammophila algira ab. *bituberculata* Bytinski-Salz in de Beaumont and Bytinski-Salz, 1955:35, ♀, ♂. Holotype: ♀, Israel: Kfar Yeroham (H. Bytinski-Salz coll., now Tel Aviv Univ.). Synonymized with *Ammophila algira* by de Beaumont, 1968b:148. – de Beaumont, 1968b:148 (individual form of *Ammophila algira*). – **As *Parapsammophila bituberculata***: Menke, 1966a:150 (new generic assignment, new status, in checklist of *Parapsammophila*).

Ammophila gibba Alfieri, 1961:140, ♀, ♂. Holotype: ♀, southeastern Egypt: Wadi Aideb in Gebel Elba (originally A. Alfieri coll., now USNM). Synonymized with *Ammophila algira* by de Beaumont, 1968b:148. – **As *Parapsammophila gibba***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*).

As *Psammophila gulussa*: Morice, 1900a:66, ♀ only (Algeria: Biskra), corrected to *Parapsammophila algira* by Kohl, 1906:306.

As *Parapsammophila foleyi*: Guichard, 1980:224 (Oman), corrected to *Parapsammophila algira* by Guichard, 1988:123.

2. *bakeri* (Rohwer)

Sphex bakeri Rohwer, 1922:672, ♀. Holotype: ♀, Philippines: Luzon: Mount Makiling in Laguna (USNM). – **As *Parapsammophila bakeri***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); Baltazar, 1966:343 (in catalog of Hymenoptera of Philippines); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae); Tano, Nozaka, Kurokawa, and Murota, 1994:52 (Philippines).

3. *carinata* Guichard

Parapsammophila carinata Guichard, 1988a:124, ♂. Holotype: ♂, Oman: Qurum near Muscat at 23°20' 57°30'E (BMNH). – Gadallah, 2020d:81 (in list of aculeate wasps of Arabian Peninsula).

4. *caroli* (Pérez)

Psammophila caroli Pérez, 1907:498, ♀ (as *Caroli*, incorrect original capitalization). Holotype or syntypes: ♀, Oman: Dibba (MNHN). – Pérez, 1907:485 (listed); R. Bohart and Menke, 1976:144 (in checklist of world Sphecidae). – **As *Podalonia caroli***: R. Bohart and Menke, 1976:144 (new generic assignment, in checklist of world Sphecidae). – **As *Parapsammophila caroli***: Guichard, 1988a:124 (new generic assignment, discussion of status); Gadallah, 2020d:81 (in list of aculeate wasps of Arabian Peninsula).

5. *caspica* (Gussakovskij)

Ammophila caspica Gussakovskij, 1930c:199, ♀, ♂. Syntypes: Turkmenistan: Firyuza at 37°54'N 58°5'E and Krasnovodsk, now Türkmenbaşy, at 40°01'N 52°58'E (ZIN). – **As *Eremochares caspica***: Myartseva, 1971:76 (new generic assignment, in key to *Eremochares* of Turkmenistan). – **As *Parapsammophila caspica***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae, eastern Mediterranean area, southwestern USSR); Kazenas, 1978b:34 (in key to Sphecidae of Kazakhstan and Central Asia); Kazenas, 2001b:16 (in checklist of Sphecidae of Kazakhstan and Central Asia); Ljubomirov and Yildirim, 2008:41 (in catalog of Sphecidae of Turkey); Dollfuss, 2010a:538 (locality records from Jordan, Syria, and Turkey); Murai and Amr, 2011:119 (recorded from Syria by de Beaumont and Bytinski-Salz, 1955, in error); Yildirim, 2014:30 (Turkey: distribution by biogeographic provinces); Dollfuss, 2015b:436 (Syria: 30 km south of Suwayda Dibbin); Koçak and Kemal, 2015:278 (in checklist of Hymenoptera of Turkey); Danilov, 2016:348 (syntypes preserved in Zoological Institute, Sankt Petersburg, Russia), 2020:318 (specimens from Turkmenistan in Institute of Systematics and Ecology of Animals, Novosibirsk, Russia); Kaplan and Yildirim, 2023:1692 (in checklist of Sphecidae *sensu lato* of Turkey).

Ammophila macularis Gussakovskij, 1930c:200, ♀, ♂. Syntypes: Turkmenistan: Krasnovodsk at 40°01'N 52°58'E (ZIN). Synonymized with *Parapsammophila caspica* by Pulawski in R. Bohart and Menke, 1976:139. – Kazenas, 1978b:34 (in key to Sphecidae of Kazakhstan and Central Asia); Danilov, 2016:339 (syntypes preserved in Zoological Institute, Sankt Petersburg, Russia). – **As *Parapsammophila macularis***: Menke, 1966a:151 (new generic assignment, in checklist of *Parapsammophila*). – **As *Eremochares macularis***: Myartseva, 1971:76 (new generic assignment, in key to *Eremochares* of Turkmenistan).

Ammophila sacra Bytinski-Salz in de Beaumont and Bytinski-Salz, 1955:36, ♀, ♂. Holotype: ♀, Israel: Jerusalem (H. Bytinski-Salz coll., now Tel Aviv Univ.). Synonymized with *Parapsammophila caspica* by Pulawski in R. Bohart and Menke, 1976:139. – de Beaumont, 1967a:264 (Turkey), 1968b:146 (recognition characters). – **As *Parapsammophila sacra***: Menke, 1966a:151 (new generic assignment, in checklist of *Parapsammophila*).

6. *consobrina* (Arnold)

Sphex consobrinus Arnold, 1928b:255, ♀. Holotype: ♀, South Africa: Eastern Cape Province: Willowmore (TMP). – Arnold, 1930:16 (in checklist of Afrotropical Sphecidae). – **As *Ammophila consobrina***: Leclercq, 1955h:73 (new generic assignment, bibliographic references, incorrectly spelled *consobrinus*). – **As *Parapsammophila consobrina***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae, ? = *testaceipes*); S. Gess and F. Gess, 2003:98 (South Africa: visiting flowers of *Petalidium lanatum* (Engl.) C.B. Clarke, Acanthaceae, *Sesuvium sesuvioides* (Fenzl.) Verdc., Aizoaceae, *Hermbsaetdia odorata* (Burch.) T. Cooke, Amaranthaceae, *Deverra denudata* (Viv.) Pfisterer and Podl., Apiaceae, *Asclepias buchenaviana* Schinz, Apocynaceae, *Ocimum americanum* L., Lamiaceae, *Acacia senegal* (L.) Willd., Fabaceae, *Cratolaria* sp., Fabaceae, *Limeum myosotis* H. Walter, Molluginaceae, and *Tribulus* sp., Zygophyllaceae).

ae), 2006:33 (Namibia, visiting flowers of *Petalidium lanatum* (Engl.) C.B. Clarke, Acanthaceae and *variabile* C.B.Cl., Acanthaceae).

7. *cyanipennis* (Lepeletier de Saint Fargeau)

Ammophila cyanipennis Lepeletier de Saint Fargeau, 1845:370, ♀. Holotype or syntypes: ♀, Senegal: no specific locality (originally J. Serville coll., now M. Spinola coll., Torino). – F. Smith, 1856:213 (in catalog of Hymenoptera in British Museum); Radoszkowski, 1881:211 (Angola); Dalla Torre, 1897:398 (in catalog of world Hymenoptera); Kohl, 1906b:297 (in revision of Palearctic Ammophilini); Alfieri, 1946:121 (in revision of Egyptian *Ammophila*); Berland, 1950b:295 (Niger: Air area); Leclercq, 1955h:72 (bibliographic references); Bradley, 1957:39 (type in Turin); Diniz, 1964b:237 (Guinea Bissau, redescription, as *cyaneipennis*); Casolari and Casolari Moreno, 1980:101 (specimens in M. Spinola collection, Torino); Pagliano, 2008:516 (holotype in M. Spinola collection, Torino). – **As *Sphecx cyanipennis***: Arnold, 1928b:256 (new generic assignment, Kohl's description translated into English), 1930:16 (in checklist of Afrotropical Sphecidae, as *cyaneipennis*), 1935b:1 and 8 (Mauritania: Nema, as *cyaneipennis*). – **As *Parapsammophila cyanipennis***: Ed. André, 1886:86 (new generic assignment, in revision of Sphecidae of Europe and Algeria), 1888:5* (bibliographic references); Menke, 1966a:150 (in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae, North Africa); Roche, 2007a:24 (in checklist of Egyptian Sphecidae), 2007b:2 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae).

Ammophila reticollis A. Costa, 1864b:111, sex not stated. Syntypes: Senegal: no specific locality (Napoli). Synonymized with *Ammophila cyanipennis* by Kohl, 1906b:297. – Dalla Torre, 1897:406 (in catalog of world Hymenoptera).

Ammophila miles Taschenberg, 1869:430, ♀, ♂. Lectotype: ♂, Sudan: Khartum (Halle), designated by Menke in R. Bohart and Menke, 1976:139. Synonymized with *Ammophila cyanipennis* by Ed. André, 1891:5*. – Dalla Torre, 1897:404 (in catalog of world Hymenoptera).

8. *dolichostoma* (Kohl)

Ammophila dolichostoma Kohl, 1901d:146, ♀. Holotype or syntypes: ♀, Saudi Arabia: no specific locality (NHMW). – Kohl, 1906:308 (in revision of Palearctic Ammophilini); nec Roth, 1930:80 and 1934:185 (= *Parapsammophila foleyi*); Alfieri, 1946:127 (in revision of Egyptian *Ammophila*); Leclercq, 1955h:71 (bibliographic references); de Beaumont, 1968b:146 (recognition characters). – **As *Parapsammophila dolichostoma***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae, Saudi Arabia, Egypt); Guichard, 1988a:123 (Saudi Arabia); Dollfuss, 1989:11 (type material in NHMW); Roche and Zalot, 1994:114 (Egypt: Sinai Peninsula); Gadallah and Assery, 2004a:223 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:24 (in checklist of Egyptian Sphecidae, redescription), 2007a:24 (in checklist of Egyptian Sphecidae, redescription), 2007b:2 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Schmid-Egger, 2011b:599 (United Arab Emirates: Jebel Hafit south of al-Ain, Wadi Bih, Wadi Hayl, Wadi el-Helo, Wadi Shawkakh, Wadi Wurayah); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:360 (in new catalog of Sphecidae of Saudi Arabia); Schmid-Egger, 2014:620 (color photographs of female), 621 (color photograph of male, United Arab Emirates: Wadi al-Helo); Dollfuss, 2015b:436 (Iran: Kerman Province: 20 km east of Ghobira at 30°10'N 56°59'E); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:18 (Iran: known from Kerman Province); Gadallah, 2020d:81 (in list of aculeate wasps of Arabian Peninsula).

9. *errabunda* (Kohl)

Ammophila errabunda Kohl, 1901d:147, ♀. Holotype or syntypes: ♀, Somalia or Ethiopia: no specific locality (NHMW). – Kohl, 1906b:310 (in revision of Palearctic Ammophilini); Leclercq, 1955h:72 (bibliographic references). – **As *Parapsammophila errabunda***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae, eastern Central Africa); Guichard, 1988a:124 (diagnostic characters); Dollfuss, 1989:11 (type material in NHMW); Ben Khedher, Yildirim, Bra-

ham, and Ljubomirov, 2020a:308 (in list of Tunisian Sphecidae *sensu stricto*; new records: Tunisia: Kebili and Tataouine provinces), 2020b:12 (description of ♂); Gadallah, 2020d:81 (in list of aculeate wasps of Arabian Peninsula).

10. *eremophila* (R. Turner)

Ammophila eremophila R. Turner, 1910a:342, ♂. Holotype or syntypes: ♂, Australia: Northern Territory: Hermannsburg (BMNH). – As *Parapsammophila eremophila*: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:105 (in checklist of world Sphecidae); Cardale, 1985:228 (in catalog of Australian Sphecidae).

11. *erythrocephala* (Fabricius)

Sphex erythrocephalus Fabricius, 1781:204, sex not stated (as *erythrocephala*, incorrect original termination). Holotype: ♀, India: Kerala: former Malabar District: no specific locality (BMNH, coll. Banks). – Fabricius, 1787:275 (redescription); Gmelin, 1790:2726 (redescription); Fabricius, 1793:204 (redescription), 1796:155 (in Index to his Entomologia Systematica, 1793); Lichtenstein, 1796:199 (in auction catalog); Turton, 1801:486 (redescription); R. Turner, 1918a:90 (synonymy; claws have two teeth); Arnold, 1945:87 (de Saussure's 1892 record from Madagascar is unreliable); Misra, 1984:1203 (India: Siwalik Forest Division; nesting habits). – As *Pelopoceus erythrocephalus* [sic]: Fabricius, 1804:203 (new generic assignment, redescription). – As *Ammophila erythrocephala*: Lepeletier de Saint Fargeau, 1845:385 (new generic assignment, in revision of world Hymenoptera); F. Smith, 1856:216 (in catalog of Hymenoptera in British Museum), 1871a:358 (in catalog of Oriental Aculeata: India); Cameron, 1889:94 (in list of Sphecidae of Oriental Region), 100 (redescription); de Saussure, 1892:437 (Madagascar, redescription); Bingham, 1897:235 (in revision of wasps and bees of British India); Dalla Torre, 1897:399 (in catalog of world Hymenoptera); Rothney, 1903:104 (India: West Bengal: Barrackpore); Maxwell-Lefroy, 1909:203 (India: common); van der Vecht, 1961a:40 (study of type, diagnostic characters); Casolari and Casolari Moreno, 1980:101 (specimens in M. Spinola collection, Torino); Pagliano, 2008:516 (specimens in M. Spinola collection, Torino). – As *Podalonia erythrocephala*: Ebrahimi, 1993:93 (new generic assignment, Iran). – As *Parapsammophila erythrocephala*: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae, India; as *erythrocephalus*); Jha and Farooqi, 1994:11 (description and illustration of male genitalia); S. Gupta, 1995:85 (India: Uttar Pradesh); Ohl and Spahn, 2010:52 (in cladistic analysis of Ampulicidae); Ebrahimi, 2014:9 (Iran: Hormozgān: Bandar-Abbās; Sīstān-Baluchestān: Bampur); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:18 (Iran: known from Hormozgan and Sistan-o Baluchestan provinces).

Ammophila fuscipennis F. Smith, 1870:187, ♂. Holotype or syntypes: ♂, India: North-West Provinces, now Uttar Pradesh: Manipuri (BMNH). Synonymized with *Sphex erythrocephala* by R. Turner, 1918a:90. – Cameron, 1889c:93 (in list of Sphecidae of Oriental Region); Bingham, 1897:233 (in revision of wasps and bees of British India, now India and Pakistan); Dalla Torre, 1897:400 (in catalog of world Hymenoptera).

? *Ammophila violaceipennis* Cameron, 1889c:100, ♂, junior primary homonym of *Ammophila violaceipennis* Lepeletier de Saint Fargeau, 1845. Holotype or syntypes: origin not stated, but probably India (OXUM). – Cameron, 1889c:94 (in list of Sphecidae of Oriental Region); R. Bohart and Menke, 1976:139 (as questionable synonym of *Parapsammophila erythrocephala*).

? *Ammophila indica* Dalla Torre, 1897:403. Replacement name for *Ammophila violaceipennis* Cameron.

12. *foleyi* (de Beaumont)

Ammophila dolichostoma var. – Roth, 1930:80 (Algeria: Tassili des Ajjer) and 1934:185 (Algeria), corrected to *Ammophila foleyi* by de Beaumont, 1956a:173.

Ammophila foleyi de Beaumont, 1956a:172, ♀, ♂. Holotype: ♀, southern Morocco: Tata (MNHN), 1958a:290 (illustration of genitalia), 1968b:146 (recognition characters). – As *Parapsammophila foleyi*: Menke, 1966a:151 (new

generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae, North Africa); nec Guichard, 1980:224 (= *Parapsammophila algira*); Dollfuss, 2010a:538 (locality records from Morocco).

13. *funerea* (Nurse)

Ammophila funerea Nurse, 1903b:9, ♂. Holotype: ♂, India: Gujarat: Deesa (BMNH). – Ramakrishna Aiyar, 1916:554 (in catalog of Indian aculeates described after Bingham, 1897). – **As *Parapsammophila funerea***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*, as *funeria*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae).

14. *herero* (Arnold)

Spheg herero Arnold, 1928b:253, ♀, ♂. Syntypes: Namibia: Kaross, Outjo, Otjikondo; Zimbabwe Bulawayo, Gwaai River (SAM). – Arnold, 1930:16 (in checklist of Afrotropical Sphecidae). – **As *Ammophila herero***: Leclercq, 1955h:73 (new generic assignment, bibliographic references). – **As *Parapsammophila herero***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae: Botswana, Namibia, Zimbabwe); Dollfuss, 2010a:538 (locality records from Ethiopia, Kenya, Namibia, and Zimbabwe); Field, Ohl, and Kennedy, 2011:734 (in molecular cladistic analysis of Ammophilini).

15. *lateritia* Taschenberg

Parapsammophila lateritia Taschenberg, 1869:431, ♀. Lectotype: ♀, Sudan: Khartoum (Halle), designated by Menke in R. Bohart and Menke, 1976:139. – Ed. André, 1887:89 (in revision of Sphecidae of Europe and Algeria), 1888:5* (bibliographic references); Menke, 1966a:150 (in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae, North Africa); Guichard, 1988a:123 (Saudi Arabia); Gadallah and Assery, 2004a:217 (in key to Sphecidae of Jeddah Region, Saudi Arabia), 223 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:25 (in checklist of Egyptian Sphecidae), 2007b:2 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Dollfuss, 2010a:538 (Tunisia: Nadafuka); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:360 (in new catalog of Sphecidae of Saudi Arabia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:18 (Iran: known from Sistan-o Baluchestan Province); Ben Khedher, Yildirim, Braham, and Ljubomirov, 2020a:309 (in list of Tunisian Sphecidae *sensu stricto*); Gadallah, 2020d:81 (in list of aculeate wasps of Arabian Peninsula). – **As *Ammophila lateritia***: Dalla Torre, 1897:403 (new generic assignment, in catalog of world Hymenoptera); Kohl, 1906b:300 (in revision of Palearctic Ammophilini); Roth, 1928:180 (in revision of North African Ammophilini), 1931:92 (Algeria, probably Hoggar area); Gussakovskij, 1933b:273 (Iran); Roth, 1934b:184 (Algeria); Alfieri, 1946:121 (in revision of Egyptian *Ammophila*); de Beaumont, 1950:365 (Morocco), 1950f:395 (Algeria: Tadjemout), 1958a:290 (illustration of genitalia), 1962c:221 (Arabia: El Riyadh), 1968b:146 (recognition characters).

Parapsammophila monilicornis Morice, 1900a:66, ♂. Syntypes: ♂, Algeria: Biskra (OXUM). Synonymized with *Ammophila lateritia* by Alfieri, 1946:121, synonymy confirmed by de Beaumont, 1950f:395. – **As *Ammophila monilicornis***: Kohl, 1906b:299 (new generic assignment, in revision of Palearctic Ammophilini); Morice, 1911:72 (Algeria: Biskra); Storey, 1916:107 (Egypt: Maadi); Roth, 1928:179 (in revision of North African Ammophilini).

16. *litigiosa* (Kohl)

Ammophila litigiosa Kohl, 1901d:143, ♂. Holotype: ♂, Africa: no specific locality. – Leclercq, 1955h:72 (bibliographic references). – **As *Parapsammophila litigiosa***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:140 (in checklist of world Sphecidae); Dollfuss, 1989:11 (type material in NHMW).

17. *ludovicus* (F. Smith)

Ammophila ludovicus F. Smith, 1856:212, ♀ (as *Ludovicus*, incorrect original capitalization). Holotype or syntypes: ♀, South Africa: KwaZulu-Natal: Port Natal, now Durban (BMNH or OXUM). – Dalla Torre, 1897:404 (in catalog of

world Hymenoptera); Bingham, 1902:218 (South Africa: Pretoria); Cameron, 1910:133 (South Africa: Mpumalanga: Kranspoort); Brauns, 1911a:238 (South Africa); Leclercq, 1955h:73 (bibliographic references, locality records from Zaire and elsewhere); Diniz, 1964c:109 (Angola: Lunda: Alto Cuílo, Camissombo, Rio Camalao, Rio Caquele). – **As *Sphex ludovicus***: Arnold, 1920:28,32 (new generic assignment, in key to South African *Ammophila*), 1928b:252 (in revision of South African *Ammophila*), 1930:16 (in checklist of Afrotropical Sphecidae); Schouteden, 1930:95 (Zaire); Arnold, 1935a:503 (South Africa: Kalahari). – **As *Parapsammophila ludovicus***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); Leclercq, 1969:1051 (Congo Brazzaville); R. Bohart and Menke, 1976:139 (in checklist of world Sphecidae); Dollfuss, 2010a:538 (locality records from Kenya, Malawi, Mozambique, Namibia, South Africa, Tanzania, Zambia, and Zimbabwe).

? *Ammophila gigantea* Kohl, 1901d:142, ♀. Holotype or syntypes: ♀, Zaire: no specific locality (Inst. Roy. Sci. Nat. Belgique). – Leclercq, 1955h:73 (as new synonym of *Ammophila ludovicus*), 75 (as *Ammophila ludovicus* var. *gigantea*, new status). – **As *Sphex giganteus***: Schouteden, 1930:95 (new generic assignment, Zaire). – **As *Sphex ludovicus* race *gigantea***: Arnold, 1928b:253 (in revision of South African *Ammophila*), 1930:16 (in checklist of Afrotropical Sphecidae). – **As *Parapsammophila ludovicus* var. *gigantea***: Leclercq, 1969:1051 (new generic assignment, Congo Brazzaville). – **As *Parapsammophila gigantea***: Menke, 1966a:150 and Bohart and Menke, 1976:140 (as tentative synonym of *Parapsammophila ludovicus*).

18. *ponderosa* (Gerstaecker)

Ammophila ponderosa Gerstaecker, 1871:352, ♀. Holotype: ♀, Kenya or Tanzania: Endara (ZMHU). – Leclercq, 1955h:93 (bibliographic references, as species incertae sedis). – Dalla Torre, 1897:406 (in catalog of world Hymenoptera). – **As *Parapsammophila ponderosa***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:140 (in checklist of world Sphecidae); Radović, 1985:64 (sting apparatus analyzed).

Ammophila ponderosa Gerstaecker, 1873: 332, ♀. Objective synonym of *Ammophila ponderosa* Gerstaecker, 1871.

19. *testaceipes* (R. Turner)

Sphex testaceipes R. Turner, 1918a:90, ♂. Holotype or syntypes: ♂, Tanzania: Ruaha River Valley (BMNH). – Arnold, 1928b:257 (original description copied), 1930:16 (in checklist of Afrotropical Sphecidae). – **As *Parapsammophila testaceipes***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:140 (in checklist of world Sphecidae).

20. *turanica* F. Morawitz

Parapsammophila turanica F. Morawitz, 1890:582, ♂. Holotype: ♂, Turkmenistan: Repetek at 38°34'N 63°10'E (ZIN). – Myartseva, 1963b:59 (Turkmenistan: lower Murgab River), 1965:86 (Turkmenistan: Bayram-Ali district); Menke, 1966a:150 (in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:140 (in checklist of world Sphecidae); Kazenas, 1978b:34 (in key to Sphecidae of Kazakhstan and Central Asia); Roche, 1981:2 (in checklist of Sphecidae of United Arab Emirates); Al-Houty, 1989:162 (Kuwait); Guichard, 1988a:123 (Arabian Peninsula); Kazenas, 1992c:25 (Turkmenistan: Repetek Nature Reserve); Roche and Zalat, 1994:114 (Egypt: Sinai Peninsula); Al-Houty, 1997:161 (Kuwait: no specific locality); Kazenas, 1998b:131 (in Sphecidae Fauna of Kazakhstan), 2001b:17 (in checklist of Sphecidae of Kazakhstan and Central Asia), 2002a:31 (geographic distribution, collecting localities in Kazakhstan); Gadallah and Assery, 2004a:223 (in catalog of Sphecidae of Saudi Arabia); Roche, 2007a:25 (in checklist of Egyptian Sphecidae, redescription), 2007b:2 (in checklist of Egyptian Ampulicidae, Sphecidae, and Crabronidae); Kazenas, 2008a:98 (southeastern Kazakhstan: Ayak Kalkan area); Danilov, 2010b:44 (distribution of Tethyan type); Dollfuss, 2010a:539 (locality records from Morocco, Oman, and Turkmenistan); Kazenas, 2010a:168 (Kazakhstan: new locality records); Field, Ohl, and Kennedy, 2011:734 (in molecular cladistic analysis of Ammophilini); Schmid-Egger, 2011:599 (United Arab Emirates: Mahafiz, Sharjah Desert Park, Wadi Wurayah); Kazenas, 2013a:39 (color photograph of female, short information on geographic distribution and nest-

ing habits); Gadallah, Al Dhafer, Aldryhim, Fadl, and Elgharbawy, 2013:360 (in new catalog of Sphecidae of Saudi Arabia); Ebrahimi, 2014:10 (Iran: Ghom: Ghom); Schmid-Egger, 2014:621 (United Arab Emirates: Mahafiz), 622 (color photographs of female); Dollfuss, 2015b:436 (Jordan: Wadi Rum: Al Ghal); Danilov, 2016:339 (holotype preserved in Zoological Institute, Sankt Petersburg, Russia); Danilov and Mokrousov, 2017a:108 (Mongolia: Govi-Altay Aymag: Alag Nuur Lake); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:19 (Iran: known from Qom Province); Augul, 2019:494 (recorded from Iraq by Augul, Abdul-Rassoul, and Kaddou, 2013); Danilov, 2020:318 (specimen from Turkmenistan in Institute of Systematics and Ecology of Animals, Novosibirsk, Russia); Gadallah, 2020d:81 (in list of aculeate wasps of Arabian Peninsula); Embergenov, Élmurodova, Amirov and Kimyonazarov, 2022:48 (no locality); Medetov, Embergenov, Kholmatov, Elmurodova, Rakhimov, and Tajibaeva, 2024:419 (Uzbekistan: distribution). – **As *Ammophila turanica***: Dalla Torre, 1897:410 (new generic assignment, in catalog of world Hymenoptera); nec Kohl, 1906b:303 (= *Eremochares kohlii*); Gussakovskij, 1928a:7 (synonymy); de Beaumont, 1968b:146 (*lutea* Kohl et auct., nec Taschenberg; recognition characters); Kazenas, 1968b:342 (Kazakhstan: southern Kazakhstan).

As *Ammophila lutea* (corrected to *Ammophila turanica* by de Beaumont, 1968b:146): Kohl and Handlirsch, 1889:276 (Turkmenistan); Kohl, 1906b:304 (in revision of Palearctic Ammophilini); Morice, 1911:73 (Algeria: Biskra); Ferton, 1923:80 (malaxation of prey, as *lutria*); Roth, 1928:170 (in revision of North African Ammophilini), 1930:81 (Algeria: Fort Lallement south of Ouargla), 1934b:186 (Algeria); Giner Marí, 1945b:362 (Morocco: Western Sahara: Aserifa, Um at Sfaia); Alfieri, 1946:123 (in revision of Egyptian *Ammophila*); de Beaumont, 1951e:263 (Morocco); Leclercq, 1955h:70 (bibliographic references); de Beaumont and Bytinski-Salz, 1955:35 (Israel); de Beaumont, 1956a:172 (Libya), 1958b:56 (Tassili des Ajjer); Pulawski, 1964:65 (Egypt); de Beaumont, 1962c:221 (Arabia: El Riyadh); Kazenas, 1978b:34 (in key to Sphecidae of Kazakhstan and Central Asia). – **As *Eremochares lutea***: Myartseva, 1971a:76 (new generic assignment, in key to *Eremochares* of Turkmenistan), 1971b:180 (occurring only in sand deserts), 1972a:85 (Turkmenistan).

21. *unguicularis* (Kohl)

Ammophila unguicularis Kohl, 1901d:143, ♂. Holotype: ♂, Mozambique: Delagoa Bay (ZMHU). – Leclercq, 1955h:73 (bibliographic references). – **As *Spheg unguicularis***: Arnold, 1920:54 (new generic assignment, original description translated into English), 1928b:256 (original description translated into English), 1930:16 (in checklist of Afrotropical Sphecidae). – **As *Parapsammophila unguicularis***: Menke, 1966a:150 (new generic assignment, in checklist of *Parapsammophila*); R. Bohart and Menke, 1976:140 (in checklist of world Sphecidae, Mozambique); Dollfuss, 2010a:539 (Ethiopia: Gamo Gofa: 45 km southeast of Arba Minch; Kenya: near Voi).

sp.

de Beaumont, 1969:80 (Turkey), 1970c:2 (Iran: Baluchistan); Guichard, 1980:224 (Oman); S. Gess and F. Gess, 2003:98 (South Africa: visiting flowers of *Deverra denudata* (Viv.) Pfisterer and Podl., Apiaceae); Ljubomirov and Yildirim, 2008:42 (in catalog of Sphecidae of Turkey); Dollfuss, 2015b:437 (locality records from Central African Republic, Kenya, and Zambia); Jahantigh, Rakhshani, Mokhtari, and Ramroodi, 2017:19 (Iran Sistan-o Baluchestan Province); Gadallah, 2020d:81 (in list of aculeate wasps of Arabian Peninsula).

SPECIES DESCRIBED IN PARAPSAMMOPHILA AND TRANSFERRED TO EREMOCARES

retowskii Konow, 1887 = *Eremochares dives* (Brullé, 1833)