

Somogy megye fullánkos hártványászárnyú (Hymenoptera, Aculeata) faunája

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JÓZAN ZS.: *The Aculeata fauna of Somogy county (Hymenoptera, Aculeata)*

Abstract: The checklist of the Aculeata fauna of Somogy county based on eight decade's research-work is published by the author. In this area 992 species are known belonging to Scolioidea 29, Chrysidoidea 75, Pompiloidea 77, Vespoidea 64, Sphecoidea 221 Apoidea 526. 72 percentage of the Hungarian Aculeata fauna occurs in Somogy county. *Crossocerus walkeri* is a new species in the Hungarian Aculeata fauna.

A faunisztikai kutatások áttekintése

Somogy megyében a hártványászárnyú fauna vizsgálata a Balaton partja mentén kezdődött el. A 20. század első felében Méhely L. Balatonszemesen gyűjtött, főképpen méhszerű fajokat. Az első gyűjtőprogramot a Magyar Természettudományi Múzeum munkatársai, Bajári É., Móczár L., Móczár M., Solymosné a Kisbalaton területén folytatták. Ezt követően a gyűjtések Zamárdi környékére súlypontosodtak. A megye más területein, a publikált szórványos faunisztikai adatok tanúsága szerint, rendszeres faunisztikai feltáró munka nem történt. A szerző a 60-as években kezdte a megye fullánkos faunájának vizsgálatát. Ez a munka az egymást követő kutatóprogramokhoz kapcsolódva teljeseedett ki. Elsőként a Janus Pannonius Múzeum Természettudományi Osztálya által szervezett és irányított „A Mecsek környéke természeti képe” program keretében, majd később a Somogy Megyei Múzeum kutatásaihoz kapcsolódva. Ezek során részletes faunisztikai vizsgálatok folytak a Zselic, a Barcsi borókás TK, a Boronka-melléki TK, a Látványi Puszta TT területén és a Baláta környékén. A 80-as években a szerző többször is részesült a Magyar Természettudományi Múzeum jóvoltából a Magyar Tudományos Akadémia kutató pedagógusok számára létesített ösztöndíjában, mely segítette Külső-Somogy, elsősorban a Balaton környéke fullánkos faunájának kutatását.

A régebbi gyűjtések faunisztikai adatainak csak egy részét közölték a Hymenoptera faunakatalógusokban (Cat. Hym.), és a Magyarország Állatvilága (Fauna Hungariae) XIII. kötetének egyes füzeteiben (ld. irodalom). A szerző által folytatott kutatások eredményeinek nagy részét publikációkban dolgozta fel (JÓZAN 1971, 1983, 1985a, 1985b, 1990, 1992a, 1992b, 1995, 1996, 1998, 2000.).

A faunisztikai eredmények értékelése

A fajjegyzék nem tartalmazza a Formicidae, Embolemidae, Bethylidae és a Dryinidae család fajait, mert ezek kutatására még nem került sor, irodalmi adatok sem állnak rendelkezésre. Nem vettük figyelembe a Pompilidae fajokra vonatkozó régebbi faunisztikai adatokat a szükségessé vált jelentős mértékű taxonómiai revízió miatt. A Zselicet egységes faunakistájként vettük figyelembe, néhány faj tulajdonképpen nem Somogy megye közigazgatási területén került elő.

A régebbi és az újabb gyűjtések során előkerült, illetve publikált fajok számát az 1. táblázatban foglaljuk össze.

1. táblázat: Somogyból előkerült Aculeata fajok száma családsorozatonként
A = előkerült fajok összesen, B = a Magyarország Állatvilága füzeteiben és a Hymenoptera faunakatalógusokban közölt fajok száma, C = a még eddig nem publikált fajok száma

Családsorozat	A	B	C
Scolioidea (s. lato)	29	15	6
Chrysoidea	75	4	16
Pompiloidea	77	20	4
Vespoidea	64	8	7
Sphecoidea	221	54	40
Apoidea	526	194	5
Összesen:	992	295	48

Az előkerült fajok száma jelentős, a Magyarország területén eddig ismert fajok 72%-át teszi ki. A jegyzékben szereplő fajok között számos olyan található, amelyik hazánk területéről a szerző gyűjtéseinek során vált ismertté. Közel ötven olyan faj is található a jegyzékben, melynek Somogy megyei előfordulását eddig még sehol nem közölték. A *Crossocerus walkeri* (Sphecidae) hazánk faunájára is új. Somogyárdon került elő egy hím példánya, egy nőtényt pedig Újszentmargitán gyűjtöttek. A fajjegyzékben a család értékű taxonok a hazai szakirodalomban alkalmazott családsorozatoknak felelnek meg, ezek szerepelnek a 2. táblázatban is.

2. táblázat: A Somogyból ismert taxonok és irodalmi hivatkozásuk
A = A faj lelőhelyeinek száma a megye területén, B = A fajra vonatkozó publikációk sorszáma az irodalomjegyzékben

Fajok	A	B
Tiphiidae		
<i>Tiphia femorata</i> Fabricius, 1775	58	1, 26, 30, 31, 32, 33, 34
<i>Tiphia minuta</i> Linden, 1827	16	31, 32, 34
<i>Tiphia morio</i> Fabricius, 1787	6	30
<i>Tiphia ruficornis</i> Klug, 1810	20	1, 26, 30, 31, 32, 33, 34
<i>Meria tripunctata</i> (Rossi, 1790)	5	1, 26, 30, 32, 33
<i>Methoca ichneumonides</i> Latreille, 1809	1	



1. ábra: Piroslábú útonálló (*Episyron rufipes*) - Fotó: Móczár L.



2. ábra: Pirosfoltos darázs (*Vespula rufa*) - Fotó: Móczár L.



3. ábra: Óriás csőrösdarázs (*Bembix rostrata*) Fotó: Móczár L.



4. ábra: Földi poszméh (*Bombus terrestris*) Fotó: Móczár L.

Sapygidae

<i>Polochrum repandum</i> Spinola, 1809	2	
<i>Sapyga clavicornis</i> (Linné, 1758)	4	34
<i>Sapyga quinquepunctata</i> (Fabricius, 1781)	41	1, 30, 31, 32, 33, 34
<i>Sapygina decemguttata</i> (Jurine, 1807)	23	1, 30, 31, 32, 34

Scoliidae

<i>Scolia hirta</i> (Schrank, 1781)	17	1, 26, 30, 31, 32, 33, 34
<i>Scolia quadripunctata</i> (Fabricius, 1775)	11	1, 31, 32, 33, 34
<i>Campsoscolia interrupta</i> (Fabricius, 1781)	3	1, 30

Myrmosidae

<i>Myrmosa brunnipes</i> Lepeletier, 1845	42	1, 26, 30, 31, 32, 33, 34
<i>Myrmosa melanocephala</i> (Fabricius, 1793)	34	1, 26, 30, 31, 32, 33, 34

Mutillidae

<i>Myrmilla calva</i> (Villers, 1789)	25	12, 31, 32
<i>Myrmilla mutica</i> (André, 1893)	4	31
<i>Mutilla europaea</i> Linné, 1758	2	12
<i>Smicromyrme cingulata</i> (Costa, 1858(60))	3	
<i>Smicromyrme halensis</i> (Fabricius, 1787)	6	12, 26, 30, 31, 32
<i>Smicromyrme pusilla</i> (Klug, 1835)	1	26
<i>Smicromyrme punctata</i> (Latreille, 1792)	3	
<i>Smicromyrme rufipes</i> (Fabricius, 1787)	39	26, 30, 31, 32, 33, 34
<i>Smicromyrme scutellaris</i> (Latreille, 1792)	1	
<i>Smicromyrme sicana</i> (Destefani, 1887)	1	
<i>Smicromyrme subcomata</i> (Wesmael, 1852)	2	32
<i>Smicromyrme viduata</i> (Pallas, 1773)	5	12, 26, 30, 32
<i>Dasylabris maura</i> (Linné, 1758)	7	26, 30, 33, 34
<i>Dasylabris regalis</i> (Fabricius, 1793)	5	12, 30

Chysididae

Cleptinae

<i>Cleptes consimilis</i> Buysson, 1887	1	34
<i>Cleptes nitidulus</i> (Fabricius, 1793)	5	30, 32
<i>Cleptes pallipes</i> Lepeletier, 1806	5	30, 33, 34
<i>Cleptes semiauratus</i> (Linné, 1761)	4	

Chrysidinae

<i>Elampus bidens</i> (Förster, 1853)	5	31, 34
<i>Elampus constrictus</i> (Förster, 1853)	1	
<i>Elampus scutellaris</i> (Panzer, 1798)	4	30, 33
<i>Omalus aeneus</i> (Fabricius, 1787)	8	31, 32, 34
<i>Omalus biaccinctus</i> (Buysson, 1893)	1	
<i>Philoctetes truncatus</i> (Dahlbom, 1831)	5	31
<i>Pseudomalus auratus</i> (Linné, 1758)	45	30, 31, 32, 33, 34
<i>Pseudomalus bidentulus</i> (Lepeletier, 1806)	10	30, 31, 34
<i>Pseudomalus bogdanovi</i> (Radoszkowski, 1877)	3	33, 34
<i>Pseudomalus pusillus</i> (Fabricius, 1804)	59	30, 31, 32, 33, 34
<i>Pseudomalus violaceus</i> (Scopoli, 1763)	1	
<i>Holopyga amoenula</i> Dahlbom, 1834	5	31, 32, 33
<i>Holopyga chrysonota</i> (Förster, 1853)	10	31, 32
<i>Holopyga fervida</i> (Fabricius, 1781)	4	
<i>Holopyga minuma</i> Linsenmaier, 1959)	3	30, 34
<i>Hedychrum aureicolle</i> Mocsáry, 1889	42	30, 31, 32, 34
<i>Hedychrum gerstaeckeri</i> Chevrie, 1869	50	30, 31, 32, 33, 34

<i>Hedychrum nobile</i> (Scopoli, 1763)	66	30, 31, 32, 33, 34
<i>Hedychrum rutilans</i> (Dahlbom, 1854)	48	30, 31, 32, 33, 34
<i>Hedychridium ardens</i> (Coquebert, 1801)	20	30, 31, 32, 34
<i>Hedychridium aheneum</i> (Dahlbom, 1854)	1	
<i>Hedychridium coriaceum</i> (Dahlbom, 1854)	45	30, 31, 32, 33, 34
<i>Hedychridium elegantulum</i> Buysson, 1887	1	
<i>Hedychridium femoratum</i> (Dahlbom, 1854)	1	
<i>Hedychridium jucundum</i> (Mocsáry, 1880)	6	5, 34
<i>Hedychridium krajniki</i> Balthasar, 1946	1	
<i>Hedychridium monochroum</i> Buysson, 1888	16	30, 31, 32, 33, 34
<i>Hedychridium roseum</i> (Rossi, 1790)	17	30, 31, 32, 33, 34
<i>Hedychridium scutellare</i> Tournier, 1878	1	33
<i>Hedychridium zelleri</i> (Dahlbom, 1845)	5	30, 33
<i>Parnopes grandior</i> (Pallas, 1771)	10	30, 32, 33, 34
<i>Brugmoia quadrata</i> (Shuckard, 1836)	1	
<i>Spinolia unicolor</i> (Dahlbom, 1831)	2	30
<i>Spinolia dallatorreana</i> (Mocsáry, 1896)	1	
<i>Pseudospinolia neglecta</i> (Shuckard, 1837)	16	31, 33
<i>Chrysidea pumila</i> (Klug, 1845)	37	30, 31, 32, 33, 34
<i>Chrysura cuprea</i> (Rossi, 1790)	10	31
<i>Chrysura dichroa</i> (Dahlbom, 1854)	27	30, 31, 32, 33, 34
<i>Chrysura radians</i> (Harris, 1776)	1	
<i>Chrysura rufiventris</i> (Dahlbom, 1854)	1	
<i>Chrysura trimaculata</i> (Förster, 1853)	8	30, 31, 32, 34
<i>Chrysis angustifrons</i> Abeille, 1878	2	31
<i>Chrysis angustula</i> Schenck, 1856	1	
<i>Chrysis cingulicornis</i> Förster, 1853	1	
<i>Chrysis compta</i> Förster, 1853	4	32, 34
<i>Chrysis distincta</i> Olivier, 1790	11	31, 34
<i>Chrysis fasciata</i> Olivier, 1790	5	34
<i>Chrysis fulgida</i> Linné, 1761	6	30, 31, 32, 33, 34
<i>Chrysis germari</i> Wesmael, 1839	21	30, 31, 33
<i>Chrysis gracillima</i> Förster, 1853	35	30, 31, 33, 34
<i>Chrysis graelsii</i> Guerin, 1842	20	31, 32, 33, 34
<i>Chrysis grohmanni</i> Dahlbom, 1854	17	31, 33, 34
<i>Chrysis ignita</i> (Linné, 1758)	85	30, 31, 32, 33, 34
<i>Chrysis inaequalis</i> Dahlbom, 1854	4	32, 33, 34
<i>Chrysis indigotea</i> (Dufour et Perris, 1840)	10	30, 31, 32, 33
<i>Chrysis insperata</i> Chevriér, 1870	2	
<i>Chrysis interjecta</i> Buysson, 1895	4	32
<i>Chrysis leachii</i> Shuckard, 1836	50	30, 31, 33, 34
<i>Chrysis longula</i> Abeille, 1878	3	31, 32, 33
<i>Chrysis marginata</i> Mocsáry, 1889	7	33
<i>Chrysis pseudobrevitarsis</i> Linsenmaier, 1951	2	30
<i>Chrysis pulchella</i> Spinola, 1808	8	31, 32
<i>Chrysis ragusae</i> Destefani, 1888	39	30, 31, 32, 33, 34
<i>Chrysis rambouri</i> Dahlbom, 1854	2	33
<i>Chrysis rutilans</i> Olivier, 1790	28	30, 31, 33, 34
<i>Chrysis rutiliventris</i> Abeille, 1879	54	30, 31, 32, 33, 34
<i>Chrysis scutellaris</i> Fabricius, 1794	3	
<i>Chrysis subsinuata</i> Marquet, 1879	2	34
<i>Chrysis succincta</i> Linné, 1767	40	30, 31, 32, 33, 34
<i>Chrysis viridula</i> Linné, 1761	14	30, 31, 33
<i>Trichrysis cyanea</i> (Linné, 1758)	105	30, 31, 32, 33, 34

Pompilidae

Pompilinae

<i>Cryptocheilus fabricii</i> (Linden, 1827)	6	30, 34
<i>Cryptocheilus notatus affinis</i> (Linden, 1827)	14	30, 31, 32, 33, 34
<i>Cryptocheilus versicolor versicolor</i> (Scopoli, 1763)	20	31, 32, 33
<i>Cryptocheilus versicolor vorticosus</i> Haupt, 1927	1	31
<i>Priocnemis agilis</i> (Shuckard, 1837)	7	34
<i>Priocnemis coriacea</i> Dahlbom, 1843	15	30, 31, 32
<i>Priocnemis enslini</i> Haupt, 1927	5	30, 33
<i>Priocnemis exaltata</i> (Fabricius, 1776)	6	30, 31, 33
<i>Priocnemis fastigiata</i> Haupt, 1934	1	30
<i>Priocnemis fennica</i> Haupt, 1927	1	34
<i>Priocnemis gracilis</i> Haupt, 1927	7	30, 34
<i>Priocnemis hankoi</i> Móczár, 1944	1	
<i>Priocnemis hyalinata</i> (Fabricius, 1793)	16	30, 31, 32, 33, 34
<i>Priocnemis melanosoma</i> Kohl, 1880	10	30, 32, 34
<i>Priocnemis mimula</i> Wesmael, 1851	8	30, 31
<i>Priocnemis minuta</i> (Linden, 1827)	9	30, 31
<i>Priocnemis parvula</i> Dahlbom, 1845	6	30, 31, 33
<i>Priocnemis perturbator</i> (Harris, 1776)	59	30, 31, 32, 33, 34
<i>Priocnemis pillichii</i> Priesner, 1960	1	
<i>Priocnemis pusilla</i> Schiöde, 1837	27	30, 31, 32
<i>Priocnemis schioedtei</i> Haupt, 1927	1	31
<i>Priocnemis sulci</i> Balthasar, 1943	8	31, 32
<i>Priocnemis susterai</i> Haupt, 1927	7	30, 31
<i>Caliadurgus fasciatellus</i> (Spinola, 1808)	34	30, 31, 34
<i>Dipogon bifasciatus</i> (Geoffroy, 1785)	13	30, 31, 34
<i>Dipogon monticolus</i> Wahis, 1972	1	
<i>Dipogon subintermedius</i> (Magretti, 185)	5	30, 34
<i>Dipogon variegatus</i> (Linné, 1758)	1	
<i>Dipogon vechti</i> Day, 1979	1	30
<i>Poecilagenia sculpturata</i> (Kohl, 1898)	4	34
<i>Auplopus albifrons</i> (Dalman, 1823)	5	31
<i>Auplopus carbonarius</i> (Scopoli, 1763)	73	30, 31, 32, 33, 34
<i>Auplopus rectus</i> (Haupt, 1926)	6	
<i>Aporus femoralis</i> Linden, 1827	6	31, 34
<i>Eoferreola manticata</i> (Pallas, 1771)	1	
<i>Homonotus balcanicus</i> Haupt, 1927	11	30, 31, 32
<i>Pompilus cinereus</i> (Fabricius, 1775)	12	30, 32, 33, 34
<i>Arachnospila abnormis</i> (Dahlbom, 1842)	6	30, 31, 34
<i>Arachnospila anceps</i> (Wesmael, 1851)	6	30, 31, 32, 33, 34
<i>Arachnospila ausa</i> (Tournier, 1890)	1	32
<i>Arachnospila fumipennis</i> (Zetterstedt, 1838)	5	3, 30, 32
<i>Arachnospila fuscomarginata</i> (Thomson, 1870)	2	
<i>Arachnospila gibbomima</i> (Haupt, 1929)	1	30
<i>Arachnospila minutula</i> (Dahlbom, 1843)	42	30, 31, 32, 33, 34
<i>Arachnospila spissa</i> (Schiöde, 1837)	33	30, 31, 32, 33, 34
<i>Arachnospila trivialis</i> (Dahlbom, 1843)	20	30, 31, 32, 34
<i>Arachnospila wesmaeli</i> (Thomson, 1870)	4	30, 32, 33
<i>Agenioideus cincellus</i> (Spinola, 1808)	43	30, 31, 32, 33, 34
<i>Agenioideus sericeus</i> (Linden, 1827)	31	30, 31, 32, 33, 34
<i>Nanoclavelia leucoptera</i> (Dahlbom, 1845)	3	31, 32
<i>Aporinellus moestus sericeomaculatus</i> (Kohl, 1888)	2	32
<i>Aporinellus obtusus</i> (Gussakovskij, 1935)	1	32
<i>Aporinellus sexmaculatus</i> (Spinola, 1805)	11	30, 32

<i>Anospilus orbitalis</i> (Costa, 1863)	1	32
<i>Evagetes crassicornis</i> (Shuckard, 1845)	3	31, 32, 34
<i>Evagetes dubius</i> (Linden, 1827)	8	30, 32, 33, 34
<i>Evagetes gibbulus</i> (Lepeletier, 1845)	6	30, 33
<i>Evagetes littoralis</i> (Wesmael, 1851)	9	30, 31, 32
<i>Evagetes elongatus</i> (Lepeletier, 1845)	4	31
<i>Evagetes pectinipes</i> (Linné, 1758)	10	30, 32, 33, 34
<i>Evagetes siculus</i> (Lepeletier, 1845)	5	31, 32
<i>Evagetes tumidosus</i> (Tournier, 1890)	1	3
<i>Anoplius alpinobalticus</i> Wolf, 1956	2	3, 32
<i>Anoplius caviventris</i> (Aurivillius, 1907)	6	3, 34
<i>Anoplius concinnus</i> (Dahlbom, 1845)	5	30, 31, 33
<i>Anoplius infuscatus</i> (Linden, 1827)	21	30, 31, 32, 33
<i>Anoplius nigerrimus</i> (Scopoli, 1763)	31	30, 31, 32, 33, 34
<i>Anoplius piliventris</i> (Morawitz, 1889)	1	3
<i>Anoplius viaticus paganus</i> (Dahlbom, 1843)	32	30, 31, 32, 33, 34
<i>Episyron albonotatus</i> (Linden, 1827)	13	30, 32, 34
<i>Episyron arrogans</i> (Smith, 1873)	20	30, 31, 32, 34
<i>Episyron rufipes</i> (Linné, 1758)	24	30, 31, 32, 33, 34
<i>Batazonellus lacerticida</i> (Pallas, 1771)	1	
<i>Telostegus inermis</i> (Brullé, 1832)	3	30, 33
Ceropalinae		
<i>Ceropales helvetica</i> Tournier, 1889	2	3, 30
<i>Ceropales maculata</i> (Fabricius, 1775)	21	30, 31
<i>Ceropales variegata</i> (Fabricius, 1798)	1	
Vespidae		
Vespininae		
<i>Vespa crabro</i> Linné, 1758	27	30, 31, 32, 33, 34
<i>Vespa germanica</i> (Fabricius, 1793)	36	30, 31, 32, 33, 34
<i>Vespa rufa</i> (Linné, 1758)	4	31, 32
<i>Vespa vulgaris</i> (Linné, 1758)	17	30, 31, 32, 33, 34
<i>Dolichovespula media</i> (Retzius, 1783)	10	32, 33
<i>Dolichovespula saxonica</i> (Fabricius, 1793)	5	31
<i>Dolichovespula sylvestris</i> (Scopoli, 1763)	5	33
<i>Polistes associus</i> Kohl, 1898	2	6
<i>Polistes bischoffi</i> (Weyrauch, 1939)	10	32
<i>Polistes dominulus</i> (Christ, 1791)	32	30, 31, 32, 33, 34
<i>Polistes nympa</i> (Christ, 1791)	38	30, 31, 32, 33, 34
<i>Polistes omissus</i> (Weyrauch, 1939)	1	
Eumeninae		
<i>Discoelius dufourii</i> Lepeletier, 1841	2	30, 31
<i>Discoelius zonalis</i> (Panzer, 1801)	2	6
<i>Odynerus femoratus</i> Saussure, 1856	1	
<i>Odynerus melanocephalus</i> (Gmelin, 1790)	13	31, 32
<i>Odynerus poecilus</i> Saussure, 1856	15	31
<i>Odynerus reniformis</i> (Gmelin, 1790)	16	30, 31, 32, 33
<i>Odynerus spinipes</i> (Linné, 1758)	11	30, 31, 33, 34
<i>Gymnomerus laevipes</i> (Shuckard, 1837)	47	30, 31, 32, 33, 34
<i>Pterochelus phaleratus</i> (Panzer, 1797)	7	30, 32, 33, 34
<i>Alastor biegelebeni</i> Giordani Soika, 1942	19	30, 31, 33, 34
<i>Pseudomicrodynerus parrulus</i> (Herrich-Schaeffer, 1838)	29	30, 31, 32, 34
<i>Microdynerus nugdunensis</i> (Saussure, 1856)	45	30, 31, 32, 33, 34
<i>Microdynerus timidus</i> (Saussure, 1856)	9	30, 31, 33, 34

<i>Leptochilus alpestris</i> (Saussure, 1856)	5	
<i>Leptochilus regulus</i> (Saussure, 1856)	20	30, 31, 32, 33, 34
<i>Stenodynerus bluethgeni</i> v. d. Vecht, 1971	14	30, 31, 34
<i>Stenodynerus chevrieranus</i> (Saussure, 1856)	32	30, 31, 32, 34
<i>Stenodynerus clypeopictus</i> (Kostylev, 1940)	3	6, 32
<i>Stenodynerus orenburgensis</i> (André, 1884)	1	6
<i>Stenodynerus steckianus</i> (Schulthess, 1897)	3	32
<i>Stenodynerus xanthomelas</i> (Herrich-Schaeffer, 1839)	32	30, 31, 32, 34
<i>Allodynerus delphinalis</i> (Giraud, 1866)	17	30, 32, 33, 34
<i>Allodynerus rossii</i> (Lepeletier, 1841)	9	31, 32
<i>Antepipona orbitalis</i> (Herrich-Schaeffer, 1839)	44	30, 31, 33, 34
<i>Parodontodynerus ephippium</i> (Klug, 1817)	7	30, 33, 34
<i>Euodynerus dantici</i> (Rossi, 1790)	2	31
<i>Euodynerus egregius unimaculatus</i> (Maidl, 1922)	1	6
<i>Euodynerus notatus</i> (Jurine, 1807)	62	30, 31, 32, 33, 34
<i>Euodynerus posticus</i> (Herrich-Schaeffer, 1841)	2	30, 31
<i>Euodynerus quadrifasciatus</i> (Fabricius, 1793)	13	30, 32, 33
<i>Jucancistrocerus jucundus</i> (Mocsáry, 1883)	17	31, 34
<i>Ancistrocerus acutus</i> (Fabricius, 1793)	37	31, 32, 33, 34
<i>Ancistrocerus claripennis</i> Thomson, 1874	6	
<i>Ancistrocerus gazella</i> (Panzer, 1798)	29	31, 32, 33, 34
<i>Ancistrocerus ichneumonideus</i> (Ratzeburg, 1844)	4	30, 34
<i>Ancistrocerus nigricornis</i> (Curtis, 1826)	20	30, 31, 32, 33, 34
<i>Ancistrocerus parietinus</i> (Linné, 1761)	4	34
<i>Ancistrocerus parietum</i> (Linné, 1758)	1	
<i>Ancistrocerus trifasciatus</i> (Müller, 1776)	13	30, 32, 34
<i>Symmorphus bifasciatus</i> (Linné, 1761)	20	30, 31, 32, 34
<i>Symmorphus connexus</i> (Curtis, 1826)	3	34
<i>Symmorphus crassicornis</i> (Panzer, 1798)	11	30, 31, 32, 34
<i>Symmorphus debilitatus</i> (Saussure, 1855)	10	34
<i>Symmorphus gracilis</i> (Brullé, 1832)	37	30, 31, 32, 34
<i>Symmorphus murarius</i> (Linné, 1758)	2	
<i>Eumenes coronatus</i> (Panzer, 1799)	20	30, 31, 32, 34
<i>Eumenes coarctatus</i> (Linné, 1758)	18	32, 33
<i>Eumenes dubius</i> Saussure, 1852	1	6
<i>Eumenes lunulatus</i> Fabricius, 1804	13	30, 34
<i>Eumenes mediterraneus</i> Kriechbaumer, 1879	1	
<i>Eumenes papillarius</i> (Christ, 1791)	32	30, 34
<i>Eumenes pedunculatus</i> (Panzer, 1799)	30	30, 31, 32, 33, 34
Sphecidae		
Sphecinae		
<i>Ampulex fasciata</i> Jurine, 1807	2	33
<i>Dolichurus corniculus</i> (Spinola, 1808)	6	26, 28, 31, 32
<i>Chalybion femoratum</i> (Fabricius, 1781)	17	30, 31, 33
<i>Sceliphron curvatum</i> (Smith, 1870)	8	34
<i>Sceliphron destillatorium</i> (Illiger, 1807)	43	26, 31, 32, 33, 34
<i>Sceliphron spirifex</i> (Linné, 1758)	1	2, 28
<i>Sphex rufocinctus</i> Brullé, 1833	16	28, 30, 32, 33, 34
<i>Prionyx kirbyi</i> (Linden, 1827)	18	28, 30, 32, 33, 34
<i>Ammophila campestris</i> Latreille, 1809	45	26, 27, 28, 30, 31, 32, 33, 34
<i>Ammophila heydeni</i> Dahlbom, 1845	26	26, 28, 31, 32
<i>Ammophila sabulosa</i> (Linné, 1758)	71	26, 27, 30, 31, 32, 33, 34
<i>Ammophila terminata mocsaryi</i> Frivaldszky, 1976	12	26, 27, 28, 30, 32, 33, 34
<i>Podalonia affinis</i> (Kirby, 1798)	3	28

<i>Podalonia luffi</i> (Saunders, 1903)	4	28, 30, 33
<i>Podalonia hirsuta</i> (Scopoli, 1763)	3	31
Pemphredoninae		
<i>Mimesa caucasia</i> Maidl, 1914	1	
<i>Mimesa equestris</i> (Fabricius, 1804)	6	28, 30, 31
<i>Mimesa rufa</i> (Panzer, 1805)	4	30, 33, 34
<i>Mimumesa atratina</i> (Morawitz, 1891)	9	2, 28, 30, 31, 33
<i>Mimumesa dahlbomi</i> (Wesmael, 1852)	22	28, 30, 33, 34
<i>Mimumesa littoralis</i> (Bondroit, 1934)	1	
<i>Mimumesa unicolor</i> (Linden, 1829)	23	27, 28, 30, 31, 32, 34
<i>Psen ater</i> (Olivier, 1792)	23	26, 31, 32
<i>Psenulus concolor</i> (Dahlbom, 1843)	7	28, 31, 32
<i>Psenulus fuscipennis</i> (Dahlbom, 1843)	24	26, 28, 30, 31, 32, 33, 34
<i>Psenulus laevigatus</i> (Schenck, 1857)	17	28, 30, 34
<i>Psenulus pallipes</i> (Panzer, 1798)	75	26, 28, 30, 31, 32, 33, 34
<i>Psenulus schencki</i> (Tournier, 1889)	13	30, 31, 32, 34
<i>Diodontus insidiosus</i> Spooner, 1938	1	
<i>Diodontus luperus</i> Shuckard, 1837	31	28, 30, 31, 32, 33, 34
<i>Diodontus major</i> Kohl, 1901	1	
<i>Diodontus medius</i> Dahlbom, 1845	1	
<i>Diodontus minutus</i> (Fabricius, 1793)	105	26, 28, 30, 31, 32, 33, 34
<i>Diodontus tristis</i> (Linden, 1829)	58	28, 30, 31, 32, 33, 34
<i>Pemphredon brevipetiolatus</i> Wagner, 1931	1	
<i>Pemphredon clypealis</i> Thomson, 1870	4	28, 30, 32, 34
<i>Pemphredon inornatus</i> Say, 1824	66	28, 30, 31, 32, 33, 34
<i>Pemphredon lethifer</i> (Shuckard, 1837)	115	26, 27, 28, 30, 31, 32, 33, 34
<i>Pemphredon lugubris</i> (Fabricius, 1793)	12	28, 30, 31, 34
<i>Pemphredon lugens</i> Dahlbom, 1842	5	28, 30, 34
<i>Pemphredon morio</i> Linden, 1829	5	33, 34
<i>Pemphredon rugifer</i> Dahlbom, 1844	16	28, 30, 31, 32, 33, 34
<i>Passaloecus clypealis</i> Faester, 1947	2	28
<i>Passaloecus corniger</i> Shuckard, 1837	22	28, 30, 33, 34
<i>Passaloecus gracilis</i> Curtis, 1834	16	26, 28, 30, 34
<i>Passaloecus insignis</i> (Linden, 1829)	10	28, 34
<i>Passaloecus singularis</i> Dahlbom, 1844	48	28, 30, 31, 32, 33, 34
<i>Polemistus abnormis</i> (Kohl, 1888)	3	31, 34
<i>Stigmus pendulus</i> Panzer, 1804	26	28, 34
<i>Stigmus solskyi</i> Morawitz, 1864	37	28, 30, 32, 33, 34
<i>Spilomena mocsaryi</i> Kohl, 1898	8	30, 34
<i>Spilomena troglodytes</i> (Linden, 1829)	25	28, 30, 31, 34
<i>Ammoplanus handlirschi</i> Gussakovskij, 1931	9	30, 31, 33
<i>Ammoplanus hofferi</i> Snoflak, 1943	25	31, 34
Astatinae		
<i>Astata apostata</i> Mercet, 1910	1	2, 28
<i>Astata boops</i> (Schrank, 1781)	24	26, 28, 30, 31, 32, 33
<i>Astata costae</i> Piccioli, 1867	1	
<i>Astata gallica</i> Beaumont, 1942	1	2, 30
<i>Astata kashmirensis</i> Nurse, 1909	8	28, 31, 32
<i>Astata minor</i> Kohl, 1885	32	26, 28, 30, 31, 32, 33, 34
<i>Dryudella tricolor</i> (Linden, 1829)	2	30
<i>Dinetus pictus</i> (Fabricius, 1793)	41	26, 28, 30, 31, 32, 33, 34

Larrinae

<i>Larra anathema</i> (Rossi, 1790)	10	28, 30, 33, 34
<i>Liris nigra</i> (Fabricius, 1775)	3	31, 34
<i>Tachytes etruscus</i> (Rossi, 1790)	11	26, 28, 30, 34
<i>Tachytes europaeus</i> Kohl, 1884	27	26, 28, 30, 31, 32, 33, 34
<i>Tachytes obsoletus</i> (Rossi, 1792)	2	26, 28
<i>Tachysphex bicolor</i> Brullé, 1856	3	26, 27, 28, 30
<i>Tachysphex fugax</i> (Radoszkowski, 1877)	1	31, 34
<i>Tachysphex fulvitaris</i> (Costa, 1867)	8	28, 31, 33, 34
<i>Tachysphex grandii</i> Beaumont, 1965	4	30, 31, 32, 33
<i>Tachysphex helveticus</i> Kohl, 1885	20	28, 30, 32, 33
<i>Tachysphex mocsaryi</i> Kohl, 1884	2	28, 30, 32
<i>Tachysphex nitidus</i> (Spinola, 1805)	51	26, 27, 28, 30, 31, 32, 33, 34
<i>Tachysphex obscuripennis</i> (Schenck, 1857)	11	26, 27, 28, 30, 32, 33, 34
<i>Tachysphex panzeri</i> (Linden, 1829)	4	26, 28, 30, 32
<i>Tachysphex pompiliformis</i> (Spinola, 1804)	54	26, 27, 28, 30, 31, 32, 33, 34
<i>Tachysphex psammobius</i> (Kohl, 1880)	42	27, 28, 30, 31, 32, 33, 34
<i>Tachysphex tarsinus</i> (Lepeletier, 1845)	7	30, 31
<i>Palarus variegatus</i> (Fabricius, 1781)	15	26, 27, 28, 30, 31, 32, 33, 34
<i>Solierella compedita</i> (Piccioli, 1869)	7	32, 33
<i>Miscophus ater</i> Lepeletier, 1845	1	33
<i>Miscophus bicolor</i> Jurine, 1807	49	26, 27, 28, 30, 31, 32, 33, 34
<i>Miscophus concolor</i> Dahlbom, 1844	6	31
<i>Miscophus spurius</i> (Dahlbom, 1832)	31	26, 27, 28, 30, 31, 32, 33, 34
<i>Nitela fallax</i> Kohl, 1884	12	30, 31, 34
<i>Nitela spinolae</i> Latreille, 1809	25	28, 30, 32, 33, 34
<i>Pison atrum</i> (Spinola, 1808)	27	28, 30, 31, 32, 33, 34
<i>Trypoxylon attenuatum</i> Smith, 1851	60	28, 30, 31, 32, 34
<i>Trypoxylon clavicerum</i> Lepeletier et Serville, 1828	81	28, 30, 31, 32, 33, 34
<i>Trypoxylon figulus</i> (Linné, 1758)	115	26, 28, 30, 31, 32, 33, 34
<i>Trypoxylon fronticornis</i> Gussakovskij, 1936	5	30
<i>Trypoxylon scutatum</i> Chevrier, 1867	21	26, 28, 31, 32, 33, 34

Crabroninae

<i>Belomicrus antennalis</i> Kohl, 1899	2	30
<i>Oxybelus argentatus</i> Curtis, 1833	6	26, 27, 28, 30, 32, 33
<i>Oxybelus aurantiacus</i> Mocsáry, 1883	2	4, 17, 26, 28, 32
<i>Oxybelus bipunctatus</i> Olivier, 1811	48	17, 26, 28, 30, 31, 32, 33, 34
<i>Oxybelus latidens</i> Gerstaecker, 1867	3	17, 28
<i>Oxybelus latro</i> Olivier, 1811	2	4, 17, 28
<i>Oxybelus lineatus</i> (Fabricius, 1787)	3	4, 17, 26, 28, 32
<i>Oxybelus mandibularis</i> Dahlbom, 1845	9	17, 26, 28, 30, 32, 33
<i>Oxybelus mucronatus</i> (Fabricius, 1793)	10	17, 28, 30, 31
<i>Oxybelus quattordecimnotatus</i> Jurine, 1807	96	17, 26, 27, 28, 30, 31, 32, 33, 34
<i>Oxybelus trispinosus</i> (Fabricius, 1787)	30	26, 28, 30, 31, 33
<i>Oxybelus uniglumis</i> (Linné, 1758)	55	26, 28, 30, 31, 32, 33, 34
<i>Oxybelus variegatus</i> Wesmael, 1853	53	17, 26, 28, 30, 31, 33, 34
<i>Oxybelus victor</i> Lepeletier, 1845	43	17, 28, 30, 31, 34
<i>Entomognathus brevis</i> (Linden, 1829)	116	17, 28, 29, 30, 31, 32, 33, 34
<i>Entomognathus dentifer</i> (Noskiewicz, 1929)	1	28
<i>Lindenius albilabris</i> (Fabricius, 1793)	114	17, 26, 27, 28, 30, 31, 32, 33, 34
<i>Lindenius laevis</i> Costa, 1871	24	28, 31, 32, 34
<i>Lindenius panzeri</i> (Linden, 1829)	28	26, 28, 30, 31, 32
<i>Lindenius parkanensis</i> Zavadič, 1948	21	4, 17, 28
<i>Lindenius pygmaeus armatus</i> (Linden, 1829)	76	17, 28, 30, 31, 32, 34

<i>Rhopalum austriacum</i> (Kohl, 1899)	9	34
<i>Rhopalum clavipes</i> (Linné, 1758)	5	34
<i>Rhopalum coarctatum</i> (Scopoli, 1763)	10	28, 30, 32, 34
<i>Rhopalum gracile</i> Wesmael, 1852	7	4, 17, 28, 30, 34
<i>Crossocerus acanthophorus</i> (Kohl, 1892)	15	30, 31, 34
<i>Crossocerus annulipes</i> (Lepeletier et Brullé, 1834)	42	28, 30, 32, 34
<i>Crossocerus assimilis</i> (Smith, 1856)	15	28, 30, 34
<i>Crossocerus binotatus</i> Lepeletier et Brullé, 1834	1	28
<i>Crossocerus capitosus</i> (Shuckard, 1837)	3	28, 32
<i>Crossocerus cetratus</i> (Shuckard, 1837)	40	26, 28, 30, 31, 34
<i>Crossocerus distinguendus</i> (Morawitz, 1866)	46	28, 30, 31, 33, 34
<i>Crossocerus elongatulus</i> (Linden, 1829)	63	17, 28, 30, 31, 33, 34
<i>Crossocerus exiguus</i> (Linden, 1829)	32	26, 28, 30, 31, 33, 34
<i>Crossocerus megacephalus</i> (Rossi, 1790)	10	17, 28, 30, 34
<i>Crossocerus nigritus</i> (Lepeletier et Brullé, 1834)	14	28, 31, 34
<i>Crossocerus ovalis</i> Lepeletier et Brullé, 1834	20	4, 17, 28, 30, 31
<i>Crossocerus palmipes</i> (Linné, 1767)	3	4, 17, 28
<i>Crossocerus podagricus</i> (Linden, 1829)	83	26, 28, 30, 31, 32, 33, 34
<i>Crossocerus quadrimaculatus</i> (Fabricius, 1793)	50	17, 28, 30, 31, 32, 33, 34
<i>Crossocerus tarsatus</i> (Shuckard, 1837)	4	31
<i>Crossocerus vagabundus</i> (Panzer, 1798)	7	26, 28, 33, 34
<i>Crossocerus varius</i> Lepeletier et Brullé, 1834	4	30
<i>Crossocerus walkeri</i> (Shuckard, 1837)	1	
<i>Crossocerus wesmaeli</i> (Linden, 1829)	26	4, 17, 26, 28, 30, 32, 33, 34
<i>Tracheliodes curvitaris</i> (Herrich-Schaeffer, 1841)	2	
<i>Crabro cribrarius</i> (Linné, 1758)	51	17, 26, 28, 30, 31, 32, 33, 34
<i>Crabro peltarius</i> (Screber, 1784)	11	17, 26, 27, 28, 30, 32, 34
<i>Crabro scutellatus</i> (Scheven, 1781)	25	4, 17, 26, 28, 30, 32, 33, 34
<i>Ectemnius cavifrons</i> (Thomson, 1870)	19	26, 28, 30, 31, 32, 33, 34
<i>Ectemnius cephalotes</i> (Olivier, 1792)	21	17, 28, 31, 34
<i>Ectemnius confinis</i> (Walker, 1871)	31	17, 28, 30, 34
<i>Ectemnius continuus</i> (Fabricius, 1804)	119	17, 26, 27, 28, 30, 31, 32, 33, 34
<i>Ectemnius dives</i> (Lepeletier et Brullé, 1834)	60	17, 26, 28, 30, 31, 32, 33, 34
<i>Ectemnius fossorius</i> (Linné, 1758)	14	17, 26, 28, 30, 31, 32, 34
<i>Ectemnius guttatus</i> (Linden, 1829)	13	26, 28, 30, 31, 33, 34
<i>Ectemnius lapidarius</i> (Panzer, 1804)	66	17, 26, 28, 30, 31, 32, 33, 34
<i>Ectemnius lituratus</i> (Panzer, 1804)	58	28, 30, 31, 33, 34
<i>Ectemnius meridionalis</i> (Costa, 1871)	9	17, 28, 30, 31, 34
<i>Ectemnius nigritarsus</i> (Herrich-Schaeffer, 1841)	4	32
<i>Ectemnius rubicola</i> (Dufour et Perris, 1840)	57	17, 26, 28, 30, 31, 32, 33, 34
<i>Ectemnius ruficornis</i> (Zetterstedt, 1838)	8	26, 28, 30, 31, 33
<i>Ectemnius rugifer</i> (Dahlbom, 1845)	27	26, 28, 30, 31, 32, 33, 34
<i>Ectemnius schlettereri</i> (Kohl, 1888)	5	4, 17, 28
<i>Lestica alata</i> (Panzer, 1797)	20	17, 26, 28, 30, 31, 32, 33
<i>Lestica clypeata</i> (Schreber, 1759)	85	17, 26, 28, 30, 31, 32, 33, 34

Nyssoninae

<i>Mellinus arvensis</i> (Linné, 1758)	16	26, 28, 30, 32, 34
<i>Alysson spinosus</i> (Panzer, 1801)	57	26, 28, 30, 31, 32, 33, 34
<i>Alysson tricolor</i> Lepeletier et Serville, 1825	2	
<i>Didineis crassicornis</i> Handlirsch, 1888	1	
<i>Didineis lunicornis</i> (Fabricius, 1798)	5	28, 31
<i>Nysson dimidiatus</i> Jurine, 1807	24	26, 27, 28, 30, 31, 32, 33
<i>Nysson fulvipes</i> Costa, 1859	1	2
<i>Nysson interruptus</i> (Fabricius, 1798)	12	28, 31

<i>Nysson maculosus</i> (Gmelin, 1790)	18	28, 30, 31, 32, 33
<i>Nysson niger</i> Chevrier, 1868	11	26, 28, 30, 32, 33
<i>Nysson spinosus</i> (Forster, 1771)	23	28, 30, 31, 32, 34
<i>Nysson tridens</i> Gerstaecker, 1867	4	28, 32
<i>Nysson trimaculatus</i> (Rossi, 1790)	20	2, 26, 28, 30, 31, 32, 34
<i>Brachystegus scalaris</i> (Illiger, 1807)	4	28, 30, 31
<i>Argogorytes fargeii</i> (Shuckard, 1837)	3	28
<i>Argogorytes mystaceus</i> (Linné, 1761)	27	28, 30, 31, 32
<i>Dienoplus affinis</i> (Spinola, 1808)	26	27, 28, 30, 31, 34
<i>Dienoplus elegans</i> (Lepeletier, 1832)	14	26, 28, 30, 31, 32, 33, 34
<i>Dienoplus exiguus</i> (Handlirsch, 1888)	1	32
<i>Dienoplus laevis</i> (Latreille, 1792)	17	28, 32, 33
<i>Dienoplus lunatus</i> (Dahlbom, 1832)	1	33
<i>Dienoplus moravicus</i> (Snoflak, 1946)	2	28, 33
<i>Dienoplus tumidus</i> (Panzer, 1801)	3	
<i>Gorytes fallax</i> Handlirsch, 1888	22	28, 30, 31, 32, 33, 34
<i>Gorytes laticinctus</i> (Lepeletier, 1832)	34	26, 28, 30, 31, 32, 34
<i>Gorytes pleuripunctatus</i> (Costa, 1859)	7	28, 31
<i>Gorytes procrustes</i> Handlirsch, 1888	3	2, 28
<i>Gorytes quadrifasciatus</i> (Fabricius, 1804)	35	28, 30, 31, 32, 33, 34
<i>Gorytes quinquecinctus</i> (Fabricius, 1793)	82	26, 28, 30, 31, 32, 33
<i>Gorytes quinquefasciatus</i> (Panzer, 1798)	2	30
<i>Gorytes sulcifrons</i> (Costa, 1869)	2	2
<i>Lestiphorus bicinctus</i> (Rossi, 1794)	1	2, 28
<i>Lestiphorus bilunulatus</i> Costa, 1869	6	28, 31, 32
<i>Hoplisoides craverii</i> (Costa, 1869)	1	2, 28
<i>Hoplisoides latifrons</i> (Spinola, 1808)	3	28, 31
<i>Hoplisoides punctuosus</i> (Eversmann, 1849)	5	30, 31, 34
<i>Bembecinus hungaricus</i> (Fivaldszky, 1876)	12	26, 27, 28, 30, 32, 33, 34
<i>Bembecinus tridens</i> (Fabricius, 1781)	32	26, 27, 28, 30, 31, 32, 33, 34
<i>Bembix megerlei</i> Dahlbom, 1845	1	28
<i>Bembix oculata</i> Panzer, 1801	2	26, 28, 30, 32
<i>Bembix rostrata</i> (Linné, 1758)	23	26, 28, 30, 31, 32, 33, 34
<i>Bembix tarsata</i> Latreille, 1809	2	28

Philanthinae

<i>Philanthus coronatus</i> (Thunberg, 1784)	5	28, 31
<i>Philanthus triangulum</i> (Fabricius, 1775)	63	26, 28, 30, 31, 32, 33, 34
<i>Philanthus venustus</i> (Rossi, 1790)	2	30
<i>Cerceris albofasciata</i> (Rossi, 1790)	24	2, 14, 26, 28, 30, 31, 32, 34
<i>Cerceris arenaria</i> (Linné, 1758)	92	26, 27, 28, 30, 31, 32, 33, 34
<i>Cerceris bicincta</i> Klug, 1835	3	14, 28
<i>Cerceris bracteata</i> Eversmann, 1849	1	14
<i>Cerceris circularis dacica</i> Schletterer, 1887	4	14, 26, 28, 30, 34
<i>Cerceris flavilabris</i> (Fabricius, 1793)	9	14, 28, 31, 33
<i>Cerceris hortivaga</i> Kohl, 1880	30	26, 27, 28, 30, 31, 32, 34
<i>Cerceris interrupta</i> (Panzer, 1799)	3	14, 28, 31
<i>Cerceris lunata funerea</i> Costa, 1869	1	14, 28
<i>Cerceris quadricincta</i> (Panzer, 1799)	9	2, 14, 31, 34
<i>Cerceris quadrifasciata</i> (Panzer, 1799)	8	28, 32
<i>Cerceris quinquefasciata</i> (Rossi, 1792)	65	26, 28, 30, 31, 32, 33, 34
<i>Cerceris rubida</i> (Jurine, 1807)	5	2, 14, 28
<i>Cerceris ruficornis</i> (Fabricius, 1793)	25	26, 28, 31, 32, 34
<i>Cerceris rybyensis</i> (Linné, 1771)	30	26, 27, 28, 30, 31, 32, 33, 34
<i>Cerceris sabulosa</i> (Panzer, 1799)	85	26, 27, 28, 30, 31, 32, 33, 34
<i>Cerceris somotorensis</i> Balthasar, 1956	1	28

Apidae

Colletinae

<i>Hylaeus angustatus</i> (Schenck, 1859)	28	20, 26, 27, 29, 30, 32, 33, 34, 35
<i>Hylaeus annularis</i> (Kirby, 1802)	69	20, 26, 27, 29, 30, 32, 33, 34, 35
<i>Hylaeus brevicornis</i> Nylander, 1852)	150	20, 26, 27, 29, 30, 32, 33, 34, 35
<i>Hylaeus cardioscapus</i> Cockerell, 1924	5	34
<i>Hylaeus communis</i> Nylander, 1852	137	20, 26, 29, 30, 32, 33, 35
<i>Hylaeus cornutus</i> Curtis, 1831	70	20, 29, 30, 32, 35
<i>Hylaeus difformis</i> (Eversmann, 1852)	18	20, 29, 32, 33, 35
<i>Hylaeus duckei</i> (Alfken, 1904)	43	20, 29, 32, 35
<i>Hylaeus euryscapus</i> Förster, 1871	1	20
<i>Hylaeus gibbus gibbus</i> Saunders, 1850	6	20, 26, 27, 29, 34
<i>Hylaeus gibbus confusus</i> Nylander, 1852	117	20, 26, 27, 29, 30, 32, 33, 34, 35
<i>Hylaeus gracilicornis</i> (Morawitz, 1867)	9	20, 35
<i>Hylaeus hyalinatus</i> Smith, 1842	38	29, 30, 32, 35
<i>Hylaeus leptcephalus</i> (Morawitz, 1870)	64	20, 26, 29, 30, 33, 35
<i>Hylaeus lineolatus</i> (Schenck, 1859)	5	20, 35
<i>Hylaeus moricei</i> (Friese, 1898)	10	26, 30, 35
<i>Hylaeus nigrinus</i> (Fabricius, 1798)	12	29, 33, 35
<i>Hylaeus pectoralis</i> Förster, 1871	10	20, 35
<i>Hylaeus pfankuchi</i> (Alfken, 1919)	5	20, 32, 35
<i>Hylaeus pictipes</i> Nylander, 1852	7	20, 35
<i>Hylaeus punctatus</i> Förster, 1871	50	20, 26, 29, 32, 33, 35
<i>Hylaeus punctulatissimus</i> Smith, 1842	11	29, 35
<i>Hylaeus rinki</i> (Gorski, 1852)	8	20, 32, 35
<i>Hylaeus signatus</i> (Panzer, 1798)	41	20, 29, 30, 32, 33, 35
<i>Hylaeus sinuatus</i> (Schenck, 1853)	91	20, 26, 29, 30, 32, 33, 35
<i>Hylaeus styriacus</i> Förster, 1871	70	29, 30, 32, 33, 35
<i>Hylaeus trinotatus</i> (Pérez, 1895)	3	20, 35
<i>Hylaeus variegatus</i> (Fabricius, 1798)	54	20, 26, 27, 29, 30, 32, 33, 34, 35
<i>Colletes carinatus gallicus</i> Radoszkowski, 1891	1	35
<i>Colletes collaris</i> Dours, 1872	2	9, 21
<i>Colletes cucicularius</i> (Linné, 1761)	47	21, 26, 29, 30, 32, 34, 35
<i>Colletes daviesanus</i> Smith, 1846	49	21, 29, 30, 32, 34, 35
<i>Colletes fodiens</i> (Geoffroy, 1785)	40	21, 26, 27, 29, 30, 33, 34, 35
<i>Colletes ligatus hylaeiformis</i> Eversmann, 1852	14	21, 29, 30, 35
<i>Colletes inexpectatus</i> Noskiewicz, 1936	32	21, 30, 33, 34, 35
<i>Colletes lebedewi</i> Noskiewicz, 1936	1	9, 21, 35
<i>Colletes marginatus</i> Smith, 1853	8	21, 34, 35
<i>Colletes mlokoszewiczi</i> Radoszkowski, 1891	6	29, 35
<i>Colletes nasutus</i> Smith, 1853	6	21, 29, 35
<i>Colletes pallescens</i> Noskiewicz, 1936	10	26, 30, 32, 35
<i>Colletes similis</i> Schenck, 1853	46	21, 26, 29, 30, 32, 33, 34, 35
<i>Colletes succinctus</i> (Linné, 1758)	4	21, 35

Andreninae

<i>Andrena aciculata</i> Morawitz, 1886	1	35
<i>Andrena aeneiventris</i> Morawitz, 1872	33	24, 29, 35
<i>Andrena agilissima</i> (Scopoli, 1770)	3	29, 32, 35
<i>Andrena alfkenella</i> Perkins, 1914	50	29, 30, 32, 34, 35
<i>Andrena angustior fulvata</i> Stöckhert, 1930	14	26, 29, 30, 32, 34, 35
<i>Andrena apicata</i> Smith, 1847	9	26, 30, 33
<i>Andrena argentata</i> Smith, 1844	27	24, 26, 29, 30, 32, 33, 34, 35
<i>Andrena atrata</i> Friese, 1887	6	24, 35
<i>Andrena barbilabris</i> (Kirby, 1802)	29	27, 29, 30, 32, 33, 34, 35

<i>Andrena bicolor</i> Fabricius, 1775	28	29, 30, 33, 34, 35
<i>Andrena bimaculata bimaculata</i> (Kirby, 1802)	71	24, 26, 29, 30, 32, 33, 34, 35
<i>Andrena bimaculata morawitzi</i> Thomson, 1872	5	30, 35
<i>Andrena bisulcata</i> Morawitz, 1877	25	24, 29, 30, 34, 35
<i>Andrena braunsiana</i> Friese, 1887	1	24
<i>Andrena bucephala</i> Stephens, 1846	25	29, 30, 32, 35
<i>Andrena carbonaria</i> (Linné, 1767)	11	24, 32, 35
<i>Andrena chrysopus</i> Pérez, 1903	2	35
<i>Andrena chrysopyga</i> Schenck, 1853	15	24, 29, 32, 35
<i>Andrena chrysoseles</i> (Kirby, 1802)	3	32, 35
<i>Andrena cineraria</i> (Linné, 1758)	11	29, 32, 35
<i>Andrena combinata</i> (Christ, 1791)	2	29, 35
<i>Andrena cordialis</i> Morawitz, 1877	19	24, 29, 30, 32, 35
<i>Andrena curvana</i> Warncke, 1965	53	29, 30, 32, 35
<i>Andrena denticulata</i> (Kirby, 1802)	35	24, 26, 29, 32, 33, 34, 35
<i>Andrena dorsalis</i> Brullé, 1832	13	29, 32, 34, 35
<i>Andrena dorsata dorsata</i> (Kirby, 1802)	133	24, 26, 27, 29, 30, 32, 33, 34, 35
<i>Andrena dorsata propinqua</i> Schenck, 1853	71	24, 26, 27, 29, 32, 33, 34, 35
<i>Andrena enslinella</i> Stöckert, 1924	3	35
<i>Andrena falsifica</i> Perkins, 1915	34	26, 27, 29, 30, 32, 33, 35
<i>Andrena flavipes</i> Panzer, 1799	188	26, 29, 30, 32, 33, 34, 35
<i>Andrena florea</i> Fabricius, 1793	13	29, 30, 32, 35
<i>Andrena floricola</i> Eversmann, 1852	40	29, 34, 35
<i>Andrena florivaga</i> Eversmann, 1852	5	29, 30, 35
<i>Andrena fulva</i> (Müller, 1766)	12	29, 30, 32, 33, 34, 35
<i>Andrena fulvago</i> (Christ, 1791)	11	29, 34, 35
<i>Andrena fulvicornis</i> Schenck, 1853	40	29, 30, 32, 35
<i>Andrena fulvida</i> Schenck, 1853	2	26, 35
<i>Andrena fuscata</i> Erichson, 1835	2	24, 35
<i>Andrena gravida</i> Imhoff, 1832	78	24, 29, 30, 32, 33, 34, 35
<i>Andrena haemorrhoea</i> (Fabricius, 1781)	104	24, 26, 27, 29, 30, 32, 33, 34, 35
<i>Andrena hattorfiana</i> (Fabricius, 1775)	50	24, 29, 30, 32, 34, 35
<i>Andrena helvola</i> (Linné, 1758)	28	29, 30, 32, 33, 34, 35
<i>Andrena humilis</i> Imhoff, 1832	11	26, 29, 32, 34, 35
<i>Andrena impunctata</i> Pérez, 1895	28	24, 29, 30, 32, 35
<i>Andrena labialis</i> (Kirby, 1802)	42	24, 29, 32, 34, 35
<i>Andrena labiata</i> Fabricius, 1781	37	26, 29, 30, 32, 33, 34, 35
<i>Andrena lagopus</i> Latreille, 1809	19	29, 30, 34, 35
<i>Andrena lathyri</i> Alfken, 1899	27	27, 29, 30, 32, 33, 35
<i>Andrena marginata</i> Fabricius, 1776	28	24, 29, 30, 33, 34, 35
<i>Andrena minutula</i> (Kirby, 1802)	116	26, 29, 30, 32, 33, 34, 35
<i>Andrena minutuloides</i> Perkins, 1914	140	24, 26, 29, 30, 32, 33, 34, 35
<i>Andrena mitis</i> Schmiedeknecht, 1883	16	30, 32, 34, 35
<i>Andrena mocsaryi</i> Schmiedeknecht, 1883	16	29, 30, 35
<i>Andrena nana</i> (Kirby, 1802)	25	29, 30, 34, 35
<i>Andrena nanula</i> Nylander, 1848	5	29, 30, 35
<i>Andrena nasuta</i> Giraud, 1863	14	24, 29, 33, 35
<i>Andrena nigroaenea</i> (Kirby, 1802)	12	24, 30, 32, 35
<i>Andrena nitida nitida</i> (Müller, 1776)	74	29, 30, 32, 33, 34, 35
<i>Andrena nitida limata</i> Smith, 1853	49	24, 29, 30, 32, 33, 34, 35
<i>Andrena nitidiuscula</i> Schenck, 1853	62	24, 26, 29, 30, 32, 33, 34, 35
<i>Andrena niveata</i> Friese, 1887	12	27, 29, 32, 35
<i>Andrena nobilis</i> Morawitz, 1874	4	35
<i>Andrena numida hypopolia</i> Schmiedeknecht, 1883	5	24, 29, 35
<i>Andrena nychtemera</i> Imhoff, 1866	22	24, 26, 29, 30, 35

<i>Andrena obsoleta spongiosa</i> Warncke, 1967	7	32, 35
<i>Andrena ocreata</i> (Christ, 1791)	3	35
<i>Andrena oralis</i> Morawitz, 1876	2	35
<i>Andrena ovatula</i> (Kirby, 1802)	104	27, 29, 30, 32, 33, 34, 35
<i>Andrena pallitarsis</i> Pérez, 1903	7	24, 29, 34, 35
<i>Andrena pandellei europaea</i> Warncke, 1967	17	33, 35
<i>Andrena paucisquama</i> Noskiewicz, 1924	14	29, 32, 33, 35
<i>Andrena pellucens</i> Pérez, 1895	1	24
<i>Andrena pillichi</i> Noskiewicz, 1939	1	24, 35
<i>Andrena polita</i> Smith, 1847	24	29, 34, 35
<i>Andrena potentillae</i> Panzer, 1809	3	35
<i>Andrena praecox</i> (Scopoli, 1763)	55	24, 26, 27, 29, 30, 32, 33, 35
<i>Andrena proxima</i> (Kirby, 1802)	73	29, 30, 32, 34, 35
<i>Andrena rosae</i> Panzer, 1801	57	24, 29, 30, 32, 33, 34, 35
<i>Andrena roseipes</i> Alfken, 1933	2	35
<i>Andrena rufula</i> Schmiedeknecht, 1883	6	24, 35
<i>Andrena sabulosa sabulosa</i> (Scopoli, 1763)	41	29, 30, 32, 33, 35
<i>Andrena sabulosa trimmerana</i> (Kirby, 1802)	8	29, 35
<i>Andrena saxonica</i> Stöckhert, 1935	18	29, 32, 35
<i>Andrena schencki</i> Morawitz, 1866	21	29, 30, 32, 34, 35
<i>Andrena schlettereri</i> Friese, 1896	21	29, 35
<i>Andrena scita</i> Eversmann, 1852	2	24, 35
<i>Andrena seminuda</i> Friese, 1896	40	29, 30, 32, 34, 35
<i>Andrena sericata</i> Imhoff, 1866	24	29, 30, 32, 35
<i>Andrena simontornyella</i> Noskiewicz, 1939	52	29, 30, 32, 34, 35
<i>Andrena spreta pusilla</i> Pérez, 1903	10	29, 30, 35
<i>Andrena strohmella</i> Stöckhert, 1928	4	30, 35
<i>Andrena subopaca</i> Nylander, 1848	69	24, 26, 27, 29, 30, 32, 33, 34, 35
<i>Andrena suerinensis</i> Friese, 1884	20	24, 27, 29, 32, 35
<i>Andrena susterai</i> Alfken, 1914	67	29, 30, 32, 33, 34, 35
<i>Andrena symphyti</i> Schmiedeknecht, 1883	51	29, 30, 32, 33, 34, 35
<i>Andrena taraxaci</i> Giraud, 1861	72	29, 30, 32, 33, 34, 35
<i>Andrena thoracica</i> (Fabricius, 1775)	2	24, 29, 35
<i>Andrena tibialis</i> (Kirby, 1802)	45	24, 26, 27, 29, 32, 22, 34, 35
<i>Andrena tridentata</i> (Kirby, 1802)	1	35
<i>Andrena truncatilabris</i> Morawitz, 1877	11	34, 35
<i>Andrena tscheki</i> Morawitz, 1872	14	29, 30, 34, 35
<i>Andrena vaga</i> Panzer, 1799	53	26, 29, 30, 32, 33, 34, 35
<i>Andrena variabilis</i> Smith, 1853	1	24, 35
<i>Andrena varians</i> (Kirby, 1802)	29	29, 30, 32, 35
<i>Andrena ventralis</i> Imhoff, 1832	33	26, 29, 30, 32, 34, 35
<i>Andrena ventricosa</i> Dours, 1873	7	29, 35
<i>Andrena viridescens</i> Viereck, 1916	61	27, 29, 30, 32, 33, 34, 35
<i>Andrena wilkella</i> (Kirby, 1802)	1	24
<i>Panurgus calcaratus</i> (Scopoli, 1763)	67	26, 29, 30, 32, 33, 34, 35
<i>Panurginus labiatus</i> (Eversmann, 1852)	14	29, 30, 35
<i>Melitturga clavicornis</i> (Latreille, 1806)	5	29, 30, 35
<i>Camptopoeum frontale</i> (Fabricius, 1804)	1	35

Halictinae

<i>Halictus (Halictus) asperulus</i> Pérez, 1895	3	35
<i>Halictus (H.) brunnescens</i> (Eversmann, 1852)	4	29, 35
<i>Halictus (H.) eurygnathus</i> Blüthgen, 1936	1	
<i>Halictus (H.) fulvipes</i> (Klug, 1817)	1	35
<i>Halictus (H.) langobardicus</i> Blüthgen, 1944	63	29, 30, 32, 34, 35

<i>Halictus (H.) maculatus</i> Smith, 1848	130	27, 29, 30, 32, 33, 34, 35
<i>Halictus (H.) quadricinctus</i> (Fabricius, 1776)	19	29, 33, 35
<i>Halictus (H.) rubicundus</i> (Christ, 1791)	51	26, 27, 29, 30, 32, 33, 34, 35
<i>Halictus (H.) sajói</i> Blüthgen, 1923	4	29, 35
<i>Halictus (H.) scabiosae</i> (Rossi, 1790)1	2	29, 32, 35
<i>Halictus (H.) sexcinctus</i> (Fabricius, 1775)	51	27, 29, 30, 32, 33, 34, 35
<i>Halictus (H.) simplex</i> Blüthgen, 1923	140	10, 29, 30, 32, 33, 34, 35
<i>Halictus (Seladonia) confusus perkinsi</i> Blüthgen, 1925	38	26, 27, 29, 30, 32, 34, 35
<i>Halictus (S.) kessleri</i> Bramson, 1879	53	29, 35
<i>Halictus (S.) leucaheneus arenosus</i> Ebmer, 1976	22	26, 27, 29, 30, 33, 35
<i>Halictus (S.) seladonius</i> (Fabricius, 1794)	31	26, 29, 30, 32, 33, 34, 35
<i>Halictus (S.) semitectus</i> Morawitz, 1873	17	10, 26, 30, 32, 33, 34, 35
<i>Halictus (S.) smaragdulus</i> Vachal, 1895	2	10, 35
<i>Halictus (S.) subauratus</i> (Rossi, 1792)	123	26, 29, 30, 32, 33, 34, 35
<i>Halictus (S.) tumulorum</i> (Linné, 1758)	51	29, 30, 32, 34, 35
<i>Halictus (Vestitohalictus) tectus</i> Radoszkowski, 1875	1	35
<i>Lasioglossum (Lasioglossum) costulatum</i> (Kriechbaumer, 1873)	12	29, 30, 2, 35
<i>Lasioglossum (L.) discum</i> (Smith, 1853)	26	29, 32, 34, 35
<i>Lasioglossum (L.) kussariense</i> (Blüthgen, 1924)	2	29
<i>Lasioglossum (L.) laevigatum</i> (Kirby, 1802)	24	29, 30, 32, 34, 35
<i>Lasioglossum (L.) laterale</i> (Brullé, 1832)	34	10, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (L.) lativentre</i> (Schenck, 1853)	24	26, 29, 30, 34, 35
<i>Lasioglossum (L.) leucozonium</i> (Schränk, 1781)	82	26, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (L.) majus</i> (Nylander, 1852)	46	27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (L.) pallens</i> (Brullé, 1832)	47	27, 29, 30, 32, 33, 34, 36
<i>Lasioglossum (L.) pseudocaspicum</i> (Blüthgen, 1923)	2	29
<i>Lasioglossum (L.) quadrinotatum</i> (Kirby, 1802)	9	29, 35
<i>Lasioglossum (L.) sexnotatum</i> (Kirby, 1802)	71	27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (L.) subfasciatum</i> (Imhoff, 1832)	8	29, 35
<i>Lasioglossum (L.) xanthopum</i> (Kirby, 1802)	27	29, 32, 35
<i>Lasioglossum (L.) zonulum</i> (Smith, 1848)	39	27, 29, 30, 32, 34, 35
<i>Lasioglossum (Erylaeus) aeratum</i> (Kirby, 1802)	11	10, 26, 27, 30, 32, 33, 35
<i>Lasioglossum (E.) albipes</i> (Fabricius, 1781)	69	27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) argusticeps</i> (Perkins, 1895)	1	35
<i>Lasioglossum (E.) bluethgeni</i> Ebmer, 1971	21	27, 29, 32, 34, 35
<i>Lasioglossum (E.) brevicorne brevicorne</i> (Schenck, 1868)	37	26, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) brevicorne aciculatum</i> (Blüthgen, 1930)	7	26, 33, 34, 35
<i>Lasioglossum (E.) buccale</i> (Pérez, 1903)	14	29, 30, 32, 34, 35
<i>Lasioglossum (E.) calceatum</i> (Scopoli, 1763)	114	27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) clypeare</i> (Schenck, 1853)	10	29, 30, 32, 34, 35
<i>Lasioglossum (E.) convexiusculum</i> (Schenck, 1853)	18	29, 32, 34, 35
<i>Lasioglossum (E.) crassepunctatum</i> (Blüthgen, 1923)	1	
<i>Lasioglossum (E.) damascenum</i> (Pérez, 1911)	1	35
<i>Lasioglossum (E.) elegans</i> (Lepeletier, 1841)	2	35
<i>Lasioglossum (E.) euboense</i> (Strand, 1909)	5	10, 35
<i>Lasioglossum (E.) fulvicorne</i> (Kirby, 1802)	3	27, 30, 32, 35
<i>Lasioglossum (E.) glabriusculum</i> (Morawitz, 1872)	55	10, 29, 30, 32, 34, 35
<i>Lasioglossum (E.) griseolum</i> (Morawitz, 1872)	2	35
<i>Lasioglossum (E.) intermedium</i> (Schenck, 1868)	1	35
<i>Lasioglossum (E.) interruptum</i> (Schenck, 1868)	49	29, 30, 33, 34, 35
<i>Lasioglossum (E.) laeve</i> (Kirby, 1802)	1	35
<i>Lasioglossum (E.) laticeps</i> (Schenck, 1868)	89	27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) leucopum</i> (Kirby, 1802)	1	10, 35
<i>Lasioglossum (E.) limbellum</i> (Morawitz, 1876)	2	35

<i>Lasioglossum (E.) lineare</i> (Schenck, 1868)	14	29, 34, 35
<i>Lasioglossum (E.) lucidulum</i> (Schenck, 1859)	44	26, 27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) malachurum</i> (Kirby, 1802)	97	29, 30, 33, 34, 35
<i>Lasioglossum (E.) marginatum</i> (Brullé, 1832)	101	29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) marginellum</i> (Schenck, 1853)	31	10, 29, 34, 35
<i>Lasioglossum (E.) mesosclerum</i> (Pérez, 1903)	6	10, 29, 34, 35
<i>Lasioglossum (E.) minutissimum</i> (Kirby, 1802)	39	10, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) minutulum</i> (Schenck, 1853)	2	35
<i>Lasioglossum (E.) morio</i> (Fabricius, 1793)	137	29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) nigripes</i> (Lepeletier, 1841)	42	29, 32, 33, 34, 35
<i>Lasioglossum (E.) nitidulum</i> (Fabricius, 1804)	37	29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) nitidiusculum</i> (Kirby, 1802)	86	10, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) obscuratum acerbum</i> (Warncke, 1975)	1	35
<i>Lasioglossum (E.) pauxillum</i> (Schenck, 1853)	156	27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) parvulum</i> (Schenck, 1853)	33	29, 34, 35
<i>Lasioglossum (E.) politum</i> (Schenck, 1853)	197	27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) punctatissimum</i> (Schenck, 1853)	62	26, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) puncticolle</i> (Morawitz, 1872)	15	26, 27, 29, 34, 35
<i>Lasioglossum (E.) pygmaeum</i> (Schenck, 1853)	11	10, 29, 35
<i>Lasioglossum (E.) quadrinotatum</i> (Schenck, 1853)	37	10, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) quadrisignatum</i> (Schenck, 1853)	1	29
<i>Lasioglossum (E.) semilucens</i> (Alfken, 1814)	58	29, 30, 33, 34, 35
<i>Lasioglossum (E.) setulosum</i> (Strand, 1909)	1	35
<i>Lasioglossum (E.) sexstrigatum</i> (Schenck, 1868)	69	26, 27, 29, 30, 32, 33, 34, 35
<i>Lasioglossum (E.) subhirtum</i> (Lepeletier, 1841)	1	10, 35
<i>Lasioglossum (E.) tarsatum</i> (Schenck, 1868)	4	10, 27, 32, 35
<i>Lasioglossum (E.) trichopygum</i> (Blüthgen, 1923)	21	29, 30, 34, 35
<i>Lasioglossum (E.) truncaticolle</i> (Morawitz, 1878)	1	29
<i>Lasioglossum (E.) villosulum</i> (Kirby, 1802)	40	10, 26, 29, 30, 32, 33, 34, 35
<i>Sphecodes albilabris</i> (Fabricius, 1793)	51	27, 29, 30, 32, 33, 34, 35
<i>Sphecodes alternatus</i> Smith, 1853	10	23, 29, 34, 35
<i>Sphecodes crassus</i> Thomson, 1870	15	27, 29, 30, 33, 35
<i>Sphecodes cristatus</i> Hagens, 1882	18	23, 27, 30, 33, 34, 35
<i>Sphecodes croaticus</i> Meyer, 1922	17	23, 26, 29, 32, 35
<i>Sphecodes ephippius</i> (Linné, 1767)	102	26, 29, 30, 32, 33, 34, 35
<i>Sphecodes ferruginatus</i> Hagens, 1882	33	23, 29, 30, 35
<i>Sphecodes geofrellus</i> (Kirby, 1802)	2	27, 35
<i>Sphecodes gibbus</i> (Linné, 1758)	88	27, 29, 30, 32, 34, 35
<i>Sphecodes intermedius</i> Blüthgen, 1923	1	10, 23, 35
<i>Sphecodes longulus</i> Hagens, 1882	48	10, 23, 29, 30, 32, 33, 34, 35
<i>Sphecodes majalis</i> Pérez, 1903	24	29, 30, 35
<i>Sphecodes miniatus</i> Hagens, 1882	86	23, 29, 32, 33, 34, 35
<i>Sphecodes monilicornis</i> (Kirby, 1802)	101	29, 30, 32, 33, 34, 35
<i>Sphecodes niger</i> Hagens, 1874	41	29, 32, 34, 35
<i>Sphecodes pellucidus</i> Smith, 1845	72	23, 29, 3, 32, 33, 34, 35
<i>Sphecodes pseudofasciatus</i> Blüthgen, 1924	11	29, 30, 35
<i>Sphecodes puncticeps</i> Thomson, 1870	64	23, 29, 30, 32, 33, 34, 35
<i>Sphecodes reticulatus</i> Thomson, 1870	9	23, 30, 35
<i>Sphecodes ruficrus rubicundus</i> Hagens, 1875	2	29, 35
<i>Sphecodes rufiventris</i> (Panzer, 1798)	68	23, 29, 30, 32, 33, 34, 35
<i>Sphecodes scabricollis</i> Wesmael, 1865	8	10, 23, 29, 32, 35
<i>Sphecodes spinulosus</i> Hagens, 1875	2	35
<i>Nomioides minutissimus</i> (Rossi, 1790)	20	10, 26, 27, 2, 30, 32, 33, 34, 35
<i>Nomioides variegatus</i> (Olivier, 1789)	24	26, 29, 30, 32, 33, 34, 35
<i>Pseudapis diversipes</i> (Latreille, 1806)	7	35

<i>Pseudapis femoralis</i> (Pallas, 1773)	1	35
<i>Rophites algirus trispinosus</i> Pérez, 1903	4	29, 35
<i>Rophites hartmanni</i> Friese, 1902	31	29, 30, 32, 34, 35
<i>Rophites quinquespinosus</i> Spinola, 1818	33	29, 30, 34, 35
<i>Rhophitoides canus</i> (Eversmann, 1852)	31	29, 35
<i>Systropha curvicornis</i> (Scopoli, 1770)	46	16, 29, 30, 32, 33, 34, 35
<i>Systropha planidens</i> Giraud, 1861	3	29, 35
Melittinae		
<i>Melitta dimidiata</i> Morawitz, 1876	4	29, 35
<i>Melitta haemorrhoidalis</i> (Fabricius, 1775)	4	29
<i>Melitta leporina</i> (Panzer, 1799)	43	16, 29, 32, 34, 35
<i>Melitta nigricans</i> Alfken, 1905	36	29, 30, 32, 33, 34, 35
<i>Melitta tricincta</i> Kirby, 1802	22	16, 29, 30, 35
<i>Macropis frivaldszkyi</i> Mocsáry, 1878	1	29
<i>Macropis fulvipes</i> (Fabricius, 1804)	11	26, 29, 30, 32, 34, 35
<i>Macropis labiata</i> (Fabricius, 1804)	27	16, 26, 29, 30, 32, 33, 35
<i>Dasyroda hirtipes</i> (Fabricius, 1793)	57	16, 26, 29, 30, 32, 33, 34, 35
Megachilinae		
<i>Lithurgus chrysurus</i> Fonscolombe, 1834	25	26, 29, 32, 33, 34, 35
<i>Lithurgus cornutus fuscipennis</i> Lepeletier, 1841	17	29, 32, 33, 34, 35
<i>Trachusa byssina</i> (Panzer, 1798)	11	25, 29, 35
<i>Anthidium cingulatum</i> Latreille, 1809	1	15
<i>Anthidium florentinum</i> (Fabricius, 1775)	16	15, 29, 34, 35
<i>Anthidium laterale</i> Latreille, 1809	2	15, 35
<i>Anthidium lituratum</i> (Panzer, 1801)	56	15, 26, 27, 29, 30, 32, 33, 34, 35
<i>Anthidium manicatum</i> (Linné, 1758)	54	15, 29, 30, 32, 33, 34, 35
<i>Anthidium oblongatum</i> (Illiger, 1806)	70	15, 29, 30, 32, 33, 34, 35
<i>Anthidium punctatum</i> Latreille, 1809	14	25, 29, 30, 32, 35
<i>Anthidium septemspinosum</i> Lepeletier, 1841	3	32, 33
<i>Anthidium strigatum</i> (Panzer, 1805)	37	15, 16, 27, 29, 30, 32, 33, 34, 35
<i>Anthidium tenellum</i> Mocsáry, 1879	3	15, 35
<i>Stelis breviscula</i> (Nylander, 1848)	30	29, 30, 32, 33, 34, 35
<i>Stelis jugae</i> Noskiewicz, 1962	10	35
<i>Stelis minuta</i> Lepeletier et Serville, 1825	5	25, 29, 32, 34, 35
<i>Stelis odontopyga</i> Noskiewicz, 1925	3	29, 35
<i>Stelis ornatula</i> (Klug, 1807)	12	25, 26, 29, 30, 32, 35
<i>Stelis phaeoptera</i> (Kirby, 1802)	1	33
<i>Stelis punctulatissima</i> (Kirby, 1802)	18	29, 30, 32, 35
<i>Stelis signata</i> (Latreille, 1809)	5	25, 30, 32, 33, 34, 35
<i>Dioxys cincta</i> (Jurine, 1807)	1	8
<i>Dioxys pannonica</i> Mocsáry, 1877	1	25, 29
<i>Dioxys tridentata</i> (Nylander, 1848)	2	35
<i>Chelostoma appendiculatum</i> (Morawitz, 1871)	50	8, 29, 30, 32, 34, 35
<i>Chelostoma campanularum</i> (Kirby, 1802)	42	29, 30, 32, 33, 34, 35
<i>Chelostoma distinctum</i> Stöckert, 1929	25	8, 26, 29, 30, 32, 33, 34, 35
<i>Chelostoma florissomne</i> (Linné, 1758)	50	29, 30, 32, 33, 34, 35
<i>Chelostoma fuliginosum</i> (Panzer, 1798)	31	29, 30, 32, 34, 35
<i>Chelostoma handlirschi</i> Schletterer, 1889	2	
<i>Chelostoma ventrale</i> Schletterer, 1889	25	29, 30, 33, 34, 35
<i>Heriades crenulatus</i> Nylander, 1856	53	26, 29, 30, 32, 33, 34, 35
<i>Heriades rubicolus</i> Pérez, 1890	1	35
<i>Heriades truncorum</i> (Linné, 1758)	9	26, 27, 29, 30, 32, 33, 34, 35
<i>Hoplitis acuticornis</i> (Dufour et Perris, 1840)	7	29, 32, 35

<i>Hoplitis adunca</i> (Panzer, 1798)	7	29, 32, 35
<i>Hoplitis anthocopoides</i> (Schenck, 1853)	1	
<i>Hoplitis claviventris</i> (Thomson, 1872)	35	26, 27, 29, 30, 32, 33, 34, 35
<i>Hoplitis leucomelaena</i> (Kirby, 1802)	70	26, 29, 30, 32, 33, 34, 35
<i>Hoplitis manicata</i> (Morice, 1901)	23	29, 30, 33, 35
<i>Hoplitis ravouxi</i> (Pérez, 1902)	1	29
<i>Hoplitis rufohirta</i> (Latreille, 1811)	40	29, 32, 35
<i>Hoplitis tenuispina</i> (Alfken, 1937)	3	29, 35
<i>Hoplitis tridentata</i> (Dufour et Perris, 1840)	15	25, 29, 34, 35
<i>Anthocopa andrenoides</i> (Spinola, 1808)	8	29, 35
<i>Anthocopa bidentata</i> (Morawitz, 1876)	42	26, 29, 32, 34, 35
<i>Anthocopa laevifrons</i> (Morawitz, 1872)	4	25, 29
<i>Anthocopa ligurica</i> (Morawitz, 1868)	2	25, 29
<i>Anthocopa mocsaryi</i> (Friese, 1895)	1	35
<i>Anthocopa papaveris</i> (Latreille, 1799)	5	8, 29, 35
<i>Anthocopa spinulosa</i> (Kirby, 1802)	36	29, 30, 32, 33, 34, 35
<i>Anthocopa tergestensis</i> (Ducke, 1897)	12	25, 29, 35
<i>Osmia bicolor</i> (Schrank, 1781)	45	26, 27, 30, 32, 33, 34, 35
<i>Osmia coerulea</i> (Linné, 1758)	141	26, 29, 30, 32, 33, 34, 35
<i>Osmia cerinthidis</i> Morawitz, 1876	23	29, 33, 35
<i>Osmia cornuta</i> (Latreille, 1805)	35	29, 32, 33, 35
<i>Osmia fulviventris</i> (Panzer, 1798)	21	27, 29, 30, 35
<i>Osmia gallarum</i> Spinola, 1808	15	25, 29, 30, 35
<i>Osmia melanogaster</i> Spinola, 1808	8	27, 29, 35
<i>Osmia pilicornis</i> Smith, 1846	5	25, 29
<i>Osmia rufa globosa</i> (Scopoli, 1763)	86	26, 29, 30, 31, 33, 34, 35
<i>Osmia tunensis aurulenta</i> (Panzer, 1799)	100	26, 29, 30, 31, 33, 34, 35
<i>Osmia ventralis</i> (Panzer, 1798)	12	30, 35
<i>Metallinella brevicornis</i> (Fabricius, 1798)	14	30, 35
<i>Chalicodoma ericetorum</i> (Lepeletier, 1841)	88	29, 30, 33, 34, 35
<i>Chalicodoma parietinum</i> (Geoffroy, 1785)	2	35
<i>Megachile albisecta</i> (Klug, 1817)	1	35
<i>Megachile apicalis</i> Spinola, 1808	35	29, 31, 35
<i>Megachile argentata</i> (Fabricius, 1793)	16	29, 30, 31, 33, 34, 35
<i>Megachile bombycina</i> Radoszkowski, 1874	1	8, 35
<i>Megachile centuncularis</i> (Linné, 1758)	100	26, 27, 29, 30, 31, 33, 34, 35
<i>Megachile circumcincta</i> (Kirby, 1802)	21	26, 29, 30, 33, 35
<i>Megachile deceptor</i> Pérez, 1890	12	29, 35
<i>Megachile genalis</i> Morawitz, 1880	11	25, 29, 35
<i>Megachile lagopoda</i> (Linné, 1761)	2	29, 35
<i>Megachile ligniseca</i> (Kirby, 1802)	9	29, 30, 31, 33, 35
<i>Megachile maritima</i> (Kirby, 1802)	28	26, 29, 30, 31, 33, 35
<i>Megachile melanopyga</i> Costa, 1863	2	29, 35
<i>Megachile octosignata</i> Nylander, 1852	2	29, 31
<i>Megachile pilicrus</i> Morawitz, 1877	25	26, 29, 30, 31, 34, 35
<i>Megachile pilidens</i> Alfken, 1924	38	29, 31, 34, 35
<i>Megachile rotundata</i> (Fabricius, 1787)	57	26, 29, 30, 31, 33, 34, 35
<i>Megachile rubrimana</i> Morawitz, 1894	1	29
<i>Megachile versicolor</i> Smith, 1844	15	29, 30, 31, 35
<i>Megachile willoughbiella</i> (Kirby, 1802)	42	26, 27, 29, 31, 34, 35
<i>Coelioxys afra</i> Lepeletier, 1841	31	29, 34, 35
<i>Coelioxys aurolimbata</i> Förster, 1853	39	29, 32, 34, 35
<i>Coelioxys brevis</i> Eversmann, 1852	6	30, 34, 35
<i>Coelioxys conoidea</i> (Illiger, 1806)	13	26, 30, 32, 34, 35
<i>Coelioxys elongata</i> Lepeletier, 1841	13	29, 32, 34, 35

<i>Coelioxys inermis</i> (Kirby, 1802)	49	26, 29, 30, 32, 33, 34, 35
<i>Coelioxys mandibularis</i> Nylander, 1848	7	29, 30, 35
<i>Coelioxys obtusa</i> Pérez, 1884	4	29, 35
<i>Coelioxys polycentris</i> Förster, 1853	3	8, 25, 29, 35
<i>Coelioxys quadridentata</i> (Linné, 1761)	21	29, 30, 32, 33, 34, 35
<i>Coelioxys rufescens</i> Lepeletier, 1825	19	26, 29, 30, 32, 34, 35
<i>Coelioxys rufocaudata</i> Lepeletier, 1841	19	29, 34, 35
Anthophorinae		
<i>Nomada alboguttata</i> Herrich-Schaeffer, 1839	28	27, 29, 30, 34, 35
<i>Nomada argentata</i> Herrich-Schaeffer, 1839	7	26, 29, 35
<i>Nomada armata</i> Herrich-Schaeffer, 1839	18	29, 30, 32, 35
<i>Nomada atroscutellaris</i> Strand, 1921	26	29, 30, 32, 34, 35
<i>Nomada baccata hrubanti</i> Balthasar, 1958	1	26
<i>Nomada basalis</i> Herrich-Schaeffer, 1839	7	22, 29, 35
<i>Nomada bifasciata fucata</i> Panzer, 1798	59	27, 29, 30, 32, 34, 35
<i>Nomada bifasciata lepeletieri</i> Pérez, 1884	73	29, 30, 32, 35
<i>Nomada bifida</i> Thomson, 1872	39	29, 30, 32, 34, 35
<i>Nomada bispinosa</i> Mocsáry, 1883	4	29
<i>Nomada bluethgeni</i> Stöckhert, 1943	32	29, 30, 32, 34, 35
<i>Nomada blepharipes</i> Schmiedeknecht, 1882	1	22, 35
<i>Nomada braunsiana</i> Schmiedeknecht, 1882	2	35
<i>Nomada calimorpha</i> Schmiedeknecht, 1882	1	35
<i>Nomada castellana</i> Dusmet, 1913	15	22, 29, 35
<i>Nomada chrysopyga</i> Morawitz, 1871	1	35
<i>Nomada conjungens</i> Herrich-Schaeffer, 1839	26	29, 30, 32, 34, 35
<i>Nomada distinguenda</i> Morawitz, 1874	33	26, 27, 29, 30, 32, 34, 35
<i>Nomada emarginata</i> Morawitz, 1877	2	35
<i>Nomada fabriciana</i> (Linné, 1767)	19	29, 30, 34, 35
<i>Nomada facilis</i> Schwarz, 1967	1	29
<i>Nomada ferruginata</i> (Linné, 1767)	27	26, 29, 30, 35
<i>Nomada flava</i> Panzer, 1798	18	29, 30, 32, 34, 35
<i>Nomada flavoguttata</i> (Kirby, 1802)	80	29, 30, 32, 34, 35
<i>Nomada flavopicta</i> (Kirby, 1802)	25	22, 29, 34, 35
<i>Nomada fulvicornis</i> Fabricius, 1793	43	22, 29, 34, 35
<i>Nomada fulvicornis schmiedeknechti</i> Schmiedeknecht, 1882	2	22, 35
<i>Nomada furva</i> Panzer, 1798	30	26, 29, 32, 34, 35
<i>Nomada fuscicornis</i> Nylander, 1848	18	26, 29, 35
<i>Nomada guttulata</i> Schenck, 1859	3	22, 35
<i>Nomada hirtipes</i> Pérez, 1884	1	29
<i>Nomada hungarica</i> Dalla Torre et Friese	1	22, 35
<i>Nomada incisa</i> Schmiedeknecht, 1882	4	35
<i>Nomada integra</i> Brullé, 1832	1	29
<i>Nomada kohli</i> Schmiedeknecht, 1882	2	30
<i>Nomada lathburiana</i> (Kirby, 1802)	30	29, 30, 32, 35
<i>Nomada leucophthalma</i> (Kirby, 1802)	5	30, 33, 34, 35
<i>Nomada marshamella</i> (Kirby, 1802)	8	32, 34, 35
<i>Nomada melanopyga</i> Schmiedeknecht, 1882	5	35
<i>Nomada mutabilis</i> Morawitz, 1870	5	29
<i>Nomada panzeri</i> Lepeletier, 1841	52	29, 30, 32, 33, 34, 35
<i>Nomada panzeri glabella</i> Thomson, 1870	9	29, 30, 32, 34, 35
<i>Nomada panzeri hybrida</i> Schmiedeknecht, 1882	15	32, 33, 35
<i>Nomada platythorax</i> Schwarz, 1981	6	35
<i>Nomada pleurosticta</i> Herrich-Schaeffer, 1839	7	29, 34, 35

<i>Nomada posthuma</i> Blüthgen, 1949	2	27, 35
<i>Nomada rhenana</i> Morawitz, 1872	7	29, 33, 35
<i>Nomada rostrata</i> Herrich-Schaeffer, 1839	2	22, 29
<i>Nomada rufipes</i> Fabricius, 1793	10	29, 32, 33, 35
<i>Nomada sexfasciata</i> Panzer, 1799	38	27, 29, 34, 35
<i>Nomada sheppardana</i> (Kirby, 1802)	42	29, 30, 34, 35
<i>Nomada sheppardana minuscula</i> Noskiewitz, 1930	20	27, 29, 30, 35
<i>Nomada signata</i> Jurine, 1807	1	22, 35
<i>Nomada stigma</i> Fabricius, 1804	10	35
<i>Nomada striata</i> Fabricius, 1793	2	29, 35
<i>Nomada succincta</i> Panzer, 1798	45	27, 29, 30, 32, 33, 34, 35
<i>Nomada symphyti</i> Stöckhert, 1930	46	29, 30, 32, 34, 35
<i>Nomada trapeziformis</i> Schmiedeknecht, 1882	2	29, 32
<i>Nomada tridentirostris</i> Dours, 1837	1	29
<i>Nomada trispinosa</i> Schmiedeknecht, 1882	47	29, 34, 35
<i>Nomada verna</i> Schmiedeknecht, 1882	2	29
<i>Nomada villosa</i> Thomson, 1870	6	29, 30, 35
<i>Nomada zonata</i> Panzer, 1798	19	29, 30, 35
<i>Ammobates punctatus</i> (Fabricius, 1804)	8	26, 30, 32, 33, 34, 35
<i>Pasites maculatus</i> Jurine, 1807	2	22, 35
<i>Parammobatodes minutus</i> (Mocsáry, 1878)	1	35
<i>Ammobatoides abdominalis</i> (Eversmann, 1852)	3	25, 29
<i>Biastes brevicornis</i> (Panzer, 1798)	37	19, 29, 30, 32, 33, 34, 35
<i>Biastes emarginatus</i> (Schenck, 1853)	7	25, 29, 35
<i>Epeolus cruciger</i> (Panzer, 1799)	10	26, 29, 30, 32, 35
<i>Epeolus tristis</i> Smith, 1854	31	19, 29, 30, 33, 34, 35
<i>Epeolus variegatus</i> (Linné, 1758)	30	26, 29, 30, 32, 33, 34, 35
<i>Epeoloides coecutiens</i> (Fabricius, 1775)	11	7, 19, 26, 29, 30, 32, 33, 35
<i>Tetralonia acutangula</i> Morawitz, 1877	1	29
<i>Tetralonia armeniaca</i> Morawitz, 1878	1	13, 35
<i>Tetralonia dentata</i> (Klug, 1835)	13	13, 29, 30, 33, 34, 35
<i>Tetralonia hungarica</i> (Friese, 1895)	6	13, 29, 35
<i>Tetralonia macroglossa</i> Illiger, 1806	52	13, 29, 32, 32, 33, 34, 35
<i>Tetralonia nana</i> Morawitz, 1873	22	13, 39, 32, 35
<i>Tetralonia ruficornis</i> (Fabricius, 1804)	14	13, 39, 35
<i>Tetralonia salicariae</i> (Lepelletier, 1841)	31	13, 29, 30, 32, 33, 34, 35
<i>Tetralonia tricineta</i> (Erichson, 1835)	3	13, 29, 35
<i>Eucera chrysopyga</i> Pérez, 1879	22	13, 29, 35
<i>Eucera cinerea</i> Lepelletier, 1841	3	13, 35
<i>Eucera clypeata</i> Erichson, 1835	11	13, 29, 35
<i>Eucera interrupta</i> Baer, 1850	37	13, 29, 32, 33, 35
<i>Eucera longicornis</i> (Linné, 1758)	22	13, 29, 35
<i>Eucera nitidiventris</i> Mocsáry, 1879	13	13, 29, 35
<i>Eucera parvula</i> Friese, 1895	9	29, 34, 35
<i>Eucera parvicornis</i> Mocsáry, 1878	2	13, 35
<i>Eucera seminuda</i> Brullé, 1832	13	13, 29, 35
<i>Eucera taurica</i> Morawitz, 1870	1	13, 35
<i>Eucera tuberculata</i> (Fabricius, 1793)	108	13, 26, 27, 29, 30, 32, 33, 34, 35
<i>Clisodon furcatus</i> (Panzer, 1798)	34	18, 29, 30, 32, 33, 34, 35
<i>Amegilla albigena</i> (Lepelletier, 1841)	4	18, 29, 35
<i>Amegilla garrula</i> (Rossi, 1790)	6	29, 34, 35
<i>Amegilla quadrifasciata</i> (Villers, 1789)	3	18, 35
<i>Amegilla salviae</i> (Morawitz, 1856)	48	18, 26, 29, 30, 32, 33, 34, 35
<i>Anthophora acervorum</i> (Linné, 1758)	73	18, 29, 30, 32, 33, 34, 35
<i>Anthophora aestivalis</i> (Panzer, 1801)	1	

<i>Anthophora crinipes</i> Smith, 1854	74	18, 29, 30, 32, 33, 34, 35
<i>Anthophora parietina</i> (Fabricius, 1793)	18	18, 29, 35
<i>Anthophora pubescens</i> (Fabricius, 1781)	34	18, 29, 35
<i>Anthophora quadrimaculata</i> (Panzer, 1806)	15	18, 29, 35
<i>Anthophora retusa</i> (Linné, 1758)	11	18, 29, 33, 35
<i>Heliophila bimaculata</i> (Panzer, 1798)	20	18, 26, 27, 30, 32, 33, 35
<i>Melecta luctuosa</i> (Scopoli, 1770)	1	
<i>Melecta punctata</i> (Fabricius, 1775)	59	18, 29, 30, 32, 33, 34, 35
<i>Thyreus historionicus</i> (Pérez, 1883)	1	29
<i>Thyreus orbatus</i> (Lepeletier, 1841)	8	18, 29, 33, 35
<i>Thyreus ramosus</i> (Lepeletier, 1841)	37	18, 29, 30, 34, 35
<i>Thyreus truncatus</i> (Pérez, 1883)	1	18, 35
<i>Ceratina acuta</i> Friese, 1896	4	19, 29, 35
<i>Ceratina callosa</i> (Fabricius, 1794)	73	19, 26, 27, 29, 30, 32, 33, 34, 35
<i>Ceratina cucurbitina</i> (Rossi, 1792)	31	29, 30, 32, 34, 35
<i>Ceratina cyanea</i> (Kirby, 1802)	109	19, 26, 27, 29, 32, 33, 34, 35
<i>Ceratina gravidula</i> Gerstaecker, 1869	2	34
<i>Ceratina nigrolabiata</i> Friese, 1896	2	34
<i>Ceratina nigroaenea</i> Gerstaecker, 1869	3	19, 29, 35
<i>Xylocopa iris</i> (Christ, 1791)	1	19
<i>Xylocopa valga</i> Gerstaecker, 1872	47	19, 26, 29, 30, 32, 33, 34, 35
<i>Xylocopa violacea</i> (Linné, 1758)	17	19, 29, 30, 32, 33, 35

Apinae

<i>Bombus argillaceus</i> (Scopoli, 1763)	8	11, 25, 29, 35
<i>Bombus confusus</i> Schenck, 1859	3	11, 25, 29, 35
<i>Bombus haematurus</i> Kriehbaumer, 1870	7	32, 33, 34
<i>Bombus hortorum</i> (Linné, 1761)	40	11, 26, 29, 30, 32, 34, 35
<i>Bombus humilis</i> Illiger, 1806	21	11, 26, 29, 30, 32, 35
<i>Bombus hypnorum ericetorum</i> (Panzer, 1801)	14	29, 30, 32, 35
<i>Bombus laesus mocsaryi</i> Kriehbaumer, 1877	3	11, 35
<i>Bombus lapidarius</i> (Linné, 1758)	57	11, 26, 29, 30, 32, 33, 34, 35
<i>Bombus muscorum</i> (Linné, 1758)	18	11, 33, 35
<i>Bombus paradoxus</i> Dalla Torre, 1882	6	11, 25, 26, 29, 35
<i>Bombus pascuorum collium</i> (Scopoli, 1763)	86	11, 26, 29, 30, 32, 33, 34, 35
<i>Bombus pomorum</i> (Panzer, 1805)	3	11, 35
<i>Bombus pratorum</i> (Linné, 1761)	8	29, 30, 35
<i>Bombus ruderarius</i> (Müller, 1776)	37	11, 29, 30, 32, 33, 34, 35
<i>Bombus ruderatus eurynotus</i> Dalla Torre, 1882	2	11, 35
<i>Bombus subterraneus nemorum</i> (Scopoli, 1763)	1	11
<i>Bombus sylvarum plumosus</i> (Christ, 1791)	48	11, 29, 32, 33, 34, 35
<i>Bombus terrestris</i> (Linné, 1758)	91	11, 26, 29, 30, 32, 33, 34, 35
<i>Psithyrus barbutellus</i> (Kirby, 1802)	9	19, 29, 32, 35
<i>Psithyrus campestris</i> (Panzer, 1801)	4	19, 29, 32, 35
<i>Psithyrus rupestris</i> (Fabricius, 1793)	1	19, 35
<i>Psithyrus vestalis</i> (Geoffroy, 1785)	10	19, 29, 32, 35

Irodalom

1. BAJÁRI, E. 1956: Törösdarázs alkatúak. – Scolioidea. – in: Magyarország Állatvilága (Fauna Hungariae), XIII/3.: 1-35.
2. BAJÁRI, E. 1957: Kaparódarázs alkatúak I. – Sphecoidea I. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/7.: 1-117.
3. MÓCZÁR, L. 1956: Pökölödarázs alkatúak. – Pompiloidea. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/5.: 1-76.
4. MÓCZÁR, L. 1959: Kaparódarázs alkatúak II. – Sphecoidea II. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/8.: 1-87.
5. MÓCZÁR, L. 1967: Fémdarázs alkatúak. – Chrysoidea. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/2.: 1-118.
6. MÓCZÁR, L. 1995: Redősszárnyúdarázs-szerűek. – Vespoidea. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/B./6.: 1-181.
7. MÓCZÁR, M. 1957: Méhfélék. – Apidae. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/13.: 1-75.
8. MÓCZÁR, M. 1958: Művészméhek. – Megachilidae. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/12.: 1-78.
9. MÓCZÁR, M. 1960: Ősméhek – Földiméhek. – Colletidae – Melittidae. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/9.: 1-64.
10. MÓCZÁR, M. 1967: Karcsuméhek. – Halictidae. – In: Magyarország Állatvilága (Fauna Hungariae), XIII/9.: 1-116.
11. MÓCZÁR, M. 1953: A dongóméhek (*Bombus* Latr.) faunakatalógusa (Cat. Hym. IV.). – Fol. ent. hung. 6: 197-228.
12. BAJÁRI, E. – MÓCZÁR, L. 1954: A Methocidae, Myrmosidae és Multillidae családok faunakatalógusa (Cat. Hym. V.). – Fol. ent. hung. 7:61-78.
13. MÓCZÁR, M. 1955: Az *Eucera* Latr., *Tetralonia* Spin., *Melitturga* Latr. és az *Ammobatoides* Rad. nemzetségek faunakatalógusa (Cat. Hym. VII.). – Fol. Ent. Hung. 8: 111-129.
14. BAJÁRI, E. 1956: A csomósdarazsak (*Cerceris* Latr.) faunakatalógusa (Cat. Hym. VIII.). – Fol. ent. hung. 9:79-88.
15. MÓCZÁR, M. 1956: A pelyhesméhek (*Anthidium* Fabr.) faunakatalógusa és etológiai adatai (Cat. Hym. IX.). – Fol. ent. hung. 9: 211-222.
16. MÓCZÁR, M. 1957: A hazai földiméh-félék (*Melittidae*) faunakatalógusa és etológiai adatai (Cat. Hym. XI.). – Fol. ent. hung. 10: 459-471.
17. MÓCZÁR, L. 1958: A Crabroninae (Fam.: Sphecidae) alsóalád faunakatalógusa (Cat. Hym. XIII.). – Fol. ent. hung. 11: 189-216.
18. MÓCZÁR, M. 1958: A bundásméhek (*Anthophora* Latr.) és fészekelősködők, a gyász és foltosméhek (*Melecta* Latr., *Crocisa* Latr.) revíziója, faunakatalógusa és etológiai adatai (Cat. Hym. XIV.). – Fol. ent. hung. 11: 403-421.
19. MÓCZÁR, M. 1959: Az *Epeolus* Latr., a *Ceratina* Latr. és a *Psythirus* Lep. nemek (Fam.: Apidae) faunakatalógusa és etológiai adatai (Cat. Hym. XVI.). – Fol. Ent. Hung., 12: 461-480.
20. MÓCZÁR, M. 1961: A Kárpát-medence ősméheinek – Colletidae – revíziója, faunakatalógusa és etológiai adatai I., Álarcosméhek – *Prosopis* F. (Cat. Hym. XVIII.). – Fol. ent. hung. 14:143-161.
21. MÓCZÁR, M. 1961b. A Kárpát-medence ősméheinek – Colletidae – revíziója, faunakatalógusa és etológiai adatai II., Selyemméhek. *Colletes* Latr. (Cat. Hym. XIX.). – Fol. ent. hung. 14: 403-411.
22. MÓCZÁR, L. - SCHWARZ, M. 1968: A *Nomada*-, *Ammobates*-, *Psites*- és *Parammobatodes* nemek faunakatalógusa (Cat. Hym. XXIII.). – Fol. ent. hung. 21:339-360.
23. MÓCZÁR, L. - SCHWARZ, M. 1970: A *Sphecodes* Latr. fajok faunakatalógusa (Cat. Hym. XXIV.). – Fol. ent. hung. 23: 209-219.
24. MÓCZÁR, L. ET WARCNKE, K. (1972): Faunenkatolog der Gattung *Andrena* Fabricius (Cat. Hym., XXVI.). *Acta Biol. Szeged* 18:185-221.
25. JÓZAN, Zs. 1971. Néhány adat Dél-Dunántúl méhalkatú (Hym., Apoidea) faunájához. – *Folia ent. hung.* 24: 109-117.

26. JÓZAN, ZS. 1983: A Barcsi borókás fullánkos (Hymenoptera, Aculeata) faunája, I. – Dunántúli Dolgozatok Természettudományi Sorozat 3:89-111.
27. JÓZAN, ZS. 1985a: A Barcsi borókás fullánkos (Hymenoptera, Aculeata) faunája, II. - Dunántúli Dolgozatok Természettudományi Sorozat 5:177-192.
28. JÓZAN, ZS. 1985b: Dél-Dunántúl kaparódarázs (Hymenoptera: Sphecoidea) faunájának alapvetése. – A Janus Pannonius Múzeum Évkönyve 29 (1984): 53-86.
29. JÓZAN, ZS. 1990: A Zselic méhszerű (Hymenoptera, Apoidea) faunájának alapvetése. – A Janus Pannonius Múzeum Évkönyve 34 (1989): 81-92.
30. JÓZAN, ZS. 1992a: A Boronka-melléki Tájvédelmi Körzet fullánkos hártványásszárnyú (Hymenoptera, Aculeata) faunájának alapvetése. - Dunántúli Dolgozatok Természettudományi Sorozat 7:163-210.
31. JÓZAN, ZS. 1992b: A Zselic kaparódarázs faunájának (Hymenoptera, Aculeata) állatföldrajzi és ökofaunisztikai vizsgálata. – Somogyi Múzeumok Közleményei 9:279-292.
32. JÓZAN, ZS. 1995: Adatok a tervezett Duna-Dráva Nemzeti Park fullánkos hártványásszárnyú (Hymenoptera, Aculeata) faunájának ismeretéhez - Dunántúli Dolgozatok Természettudományi Sorozat 8:99-115.
33. JÓZAN, ZS. 1996: A Baláta környék fullánkos hártványásszárnyú faunájának (Hym. Aculeata) alapvetése. – Somogyi Múzeumok Közleményei 12: 271-297.
34. JÓZAN, ZS. 1998: A Duna-Dráva Nemzeti Park fullánkos hártványásszárnyú (Hymenoptera, Aculeata) faunája - Dunántúli Dolgozatok Természettudományi Sorozat 9:291-327.
35. JÓZAN, ZS. 2000: Külső-Somogy méhszerű (Hymenoptera, Apoidea) faunája. – Somogyi Múzeumok Közleményei 14: 309-330.

The Aculeata fauna of Somogy county (Hymenoptera, Aculeata)

ZSOLT JÓZAN

The researchwork of the Aculeata fauna in Somogy county started in the 1920's. The first data came from the southern part of Balaton region and records were done by the researchworkers of the Hungarian Natural History Museum, Bajári E., Móczár L., Móczár M. in Budapest. Part of the data was published in the Fauna Hungariae Volume XIII. and in the Hymenoptera fauna catalogue. The author started his researchwork in Somogy county in 1962. He made investigations on the fauna of Duna-Dráva National Park, Zselic, Barcs Juniper Woodland and Boronka-melléki Landscape Protection Area and Látrány Nature Conservation Area and the fauna of Outer Somogy. The results were published in several papers (JÓZAN 2000).

To the present date, 992 species have been recorded in the Aculeata fauna of Somogy county (Table 1.). Column A contains the number of settlements where the species occurred and column B contains the number of papers in which the listed species were found. *Crossocerus walkeri* is a new species in the Hungarian Aculeata fauna.

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