

**An annotated checklist of the Aphids (Hemiptera: Aphidomorpha)
of Poland**

WAŁAW WOJCIECHOWSKI, ŁUKASZ DEPA, MARIUSZ KANTURSKI,
PIOTR WEGIEREK, KARINA WIECZOREK

Department of Zoology, Faculty of Biology and Environmental Protection, University
of Silesia, Bankowa 9, 40-007 Katowice, Poland,
e-mails: waclaw.wojciechowski@us.edu.pl, lukasz.depa@us.edu.pl, mkanturski@us.edu.pl,
piotr.wegierek@us.edu.pl, karina.wieczorek@us.edu.pl

ABSTRACT. The paper presents a comprehensive compilation of 764 taxa (species and subspecies), distributed over 167 genera, belonging to 17 subfamilies, three families and three superfamilies of Aphidomorpha recorded to date from Poland. The systematic positions of 19 taxa have been revised in accordance with recent changes in nomenclature. The presence in the Polish aphidofauna of *Drepanosiphum oregonensis* and *Coloradoa huculaki*, previously included without any distribution data in checklists of Polish aphids, has been confirmed. One species *Sitobion* (*Sitobion*) *alopecuri* is recognized as being new to Poland. At least 44 species (6% of local fauna of Aphidomorpha) are alien to Poland; among them 11 species collected from plants imported or cultivated in indoor conditions are listed.

KEY WORDS: aphids, new species, systematic list, taxonomy.

INTRODUCTION

Following the publication of the Catalogue of Polish Fauna – Aphidoidea by SZELEGIEWICZ (1968), three checklists of Polish species of aphids (Hemiptera: Aphidomorpha) by SZELEGIEWICZ (1978a), NAST et al. (1990) and WEGIEREK & WOJCIECHOWSKI (2004) were issued. Recently, a Distributional Checklist of the Aphids of Poland by OSIADACZ & HAŁAJ (2009) was published, supplemented by a Systematic Review of the Aphids of Poland with a Host Plant Index (OSIADACZ & HAŁAJ 2010) and an update of the latter work (OSIADACZ & HAŁAJ 2012).

As there were still errors and omissions in those earlier papers, a new and comprehensive compilation of the Polish Aphidomorpha in the form of checklist was deemed necessary in the light of recent systematic and nomenclatural revisions.

In the present paper, updated information is provided on the systematic positions and nomenclatural changes of 19 taxa. Based on available specimens and taxonomic analysis, one species (*Sitobion (Sitobion) alopecuri* (TAKAHASHI, 1921)) is accepted as being new to Poland. The presence in the Polish aphidofauna of two species *Drepanosiphum oregonensis* GRANOVSKY, 1939 and *Coloradoa huculaki* SZELEGIEWICZ, 1981, previously included without any distribution data in the systematic reviews of Polish aphids by SZELEGIEWICZ (1978a), NAST et al. (1990), WEGIEREK & WOJCIECHOWSKI (2004) and OSIADACZ & HALAJ (2009, 2010), has now been confirmed. However, nine taxa listed in the above-mentioned papers – *Eriosoma grossulariae* (SCHÜLE, 1887); *Anoecia (Anoecia) major* BÖRNER, 1950; *Aphis frangulae testacea* K.H. THOMAS, 1968; *Cryptomyzus galeopsidis dickeri* HILLE RIS LAMBERS, 1953; *C. galeopsidis galeopsidis* (KALTENBACH, 1843); *Macrosiphoniella (Asterobium) linariae* (KOCH, 1855); *M. (Macrosiphoniella) kaufmanni* BÖRNER, 1940; *Ovatomyzus boraginacearum* EASTOP, 1952; *Sitobion (Sitobion) paludum* MÜLLER, 1982 – still require such confirmation. These taxa are included in the present work but are not numbered.

As a consequence of the increasing globalisation of trade, there is a strong potential for the introduction of alien species into the native fauna. Therefore, Adelgidae (five species), Phylloxeridae (one species) and Aphididae (38 species) alien to Poland are indicated with an exclamation mark in the checklist. Polyphagous species of aphids, colonising plants cultivated in glasshouses, can occasionally infest plants in natural habitats. Therefore, species collected from plants imported or cultivated indoors have been added and indicated in the checklist (11 species).

Consequently, the list includes 764 taxa (species and subspecies) belonging to 167 genera representing 17 subfamilies, 3 families and 3 superfamilies of Aphidomorpha. Adelgidae is represented by 13 species, Phylloxeridae by 6 species and Aphididae by 745 taxa of specific or subspecific rank: Eriosomatinae 47, Hormaphidinae 3, Anoeciinae 6, Thelaxinae 5, Mindarinae 2, Drepanosiphinae 4, Phyllaphidinae 1, Calaphidinae 42, Saltusaphidinae 21, Chaitophorinae 38, Aphidinae 524 (Aphidini 166, Macrosiphini 358), Lachninae 51.

MATERIAL AND METHODS

The names and classification follow NIETO NAFRÍA & FAVRET (2011), with the exception of the taxonomic position of all the former Pterocommatinae, which have been

placed in the tribe Macrosiphini. The positions of questionable taxa were verified according to GARCÍA PRIETO et al. (2004), NIETO NAFRÍA et al. (2009), BLACKMAN (2010), BLACKMAN & EASTOP (2011, 2015). To extend the register of alien species present in Poland (WIECZOREK 2011), we used the list of Alien European Aphididae compiled by COEUR D'ACIER et al. (2010). Adelgidae and Phylloxeridae alien to Poland have been listed according to OSIADACZ & HAŁAJ (2011) and SOIKA & ŁABANOWSKI (2014); they are indicated with an exclamation mark in the checklist.

Abbreviations: UŚ – Department of Zoology, University of Silesia, Katowice, Poland; the examined slides are deposited in this institution; 1–764 – the numbers in the list refer to taxa of specific and subspecific rank; ! – species alien to Poland; * – species new to Poland; ** – species recorded from imported plants or cultivated in indoor conditions; ^{1–21} – the numbers in the list refer to taxonomic comments.

The names of particular subgenera and taxa of lower rank within genera have been arranged in alphabetical order.

THE APHIDS (HEMIPTERA: APHIDOMORPHA) OF POLAND: A CHECKLIST

Order: HEMIPTERA LINNAEUS, 1758

Suborder: STERNORRHYNCHA AMYOT & SERVILLE, 1843

Infraorder: APHIDOMORPHA BEKKER-MIGDISOVA & AIZENBERG, 1991

Superfamily: **ADELGOIDEA** ANNAND, 1928

Family: **ADELGIDAE** ANNAND, 1928

Subfamily: **ADELGINAE** ANNAND, 1928

Genus: *Adelges* VALLOT, 1836

Subgenus: *Adelges* VALLOT, 1836

1 Species: *laricis* VALLOT, 1836

2 *tardus* (DREYFUS, 1888)

Subgenus: *Aphrastasia* BÖRNER, 1909

3 Species: *pectinatae* (CHOLODKOVSKY, 1888) !

Subgenus: *Dreyfusia* BÖRNER, 1908

4 Species: *nordmannianae* (ECKSTEIN, 1890) !

5 *piceae* (RATZEBURG, 1844)

Subgenus: *Gilletteella* BÖRNER, 1930

6 Species: *cooleyi* (GILLETTE, 1907) !

Subgenus: *Sacchiphantes* CURTIS, 1844

7 Species: *abietis* (LINNAEUS, 1758)

8 *viridis* (RATZEBURG, 1843)

Subfamily: PINEINAE NÜSSLIN, 1909

Genus: *Pineus* SHIMER, 1869

- 9 Species: *cembrae* (CHOLODKOVSKY, 1888)
 10 *orientalis* (DREYFUS, 1889) !
 11 *pineoides* (CHOLODKOVSKY, 1903)
 12 *pini* (RATZEBURG, 1844)
 13 *strobi* (HARTIG, 1837) !

Superfamily: PHYLLOXEROIDEA HERRICH-SCHAEFFER, 1854

Family: PHYLLOXERIDAE HERRICH-SCHAEFFER, 1854

Subfamily: PHYLLOXERINAE HERRICH-SCHAEFFER, 1854

Tribe: Acanthohermesini BÖRNER, 1913

Genus: *Acanthohermes* KOLLAR, 1848

- 14 Species: *quercus* KOLLAR, 1848

Tribe: Phylloxerini HERRICH-SCHAEFFER, 1854

Genus: *Daktulosphaira* SHIMER, 1866 ¹

- 15 Species: *vitifoliae* (FITCH, 1851) !
 Genus: *Phylloxera* BOYER DE FONSCOLOMBE, 1834
 16 Species: *coccinea* (VON HEYDEN, 1837)
 17 *glabra* (VON HEYDEN, 1837)

Subfamily: PHYLLOXERININAE BÖRNER, 1908

Genus: *Phylloxerina* BÖRNER, 1908

- 18 Species: *caprae* BÖRNER, 1942
 19 *salicis* (LICHTENSTEIN, 1884)

Superfamily: APHIDOIDEA LATREILLE, 1802

Family: APHIDIDAE LATREILLE, 1802

Subfamily: ERIOSOMATINAE KIRKALDY, 1905

Tribe: Eriosomatini KIRKALDY, 1905

Genus: *Colopha* MONELL, 1877

- 20 Species: *compressa* (KOCH, 1856)
 Genus: *Eriosoma* LEACH, 1818
 21 Species: *anncharlotteae* DANIELSSON, 1979
grossulariae (SCHÜLE, 1887)
 22 *lanigerum* (HAUSMANN, 1802) !
 23 *lanuginosum* (HARTIG, 1839)
 24 *patchiae* (BÖRNER & BLUNCK, 1916)
 25 *ulmi ulmi* (LINNAEUS, 1758)

- 26 Genus: *Kaltenbachiella* SCHOUTEDEN, 1906
Species: *pallida* (HALIDAY, 1838)
- 27 Genus: *Tetraneura* HARTIG, 1841
Subgenus: *Tetraneura* HARTIG, 1841
Species: *ulmi* (LINNAEUS, 1758)
- 28 *africana* VAN DER GOOT, 1912
Subgenus: *Tetraneurella* HILLE RIS LAMBERS, 1970
- 29 Species: *nigriabdominalis* (SASAKI, 1899)**
- Tribe: Fordini ACLOQUE, 1897
- 30 Genus: *Aploneura* PASSERINI, 1863
Species: *lentisci* (PASSERINI, 1856)
- 31 Genus: *Baizongia* RONDANI, 1848
Species: *pistaciae* (LINNAEUS, 1767)
- 32 Genus: *Forda* VON HEYDEN, 1837
Species: *formicaria* VON HEYDEN, 1837
- 33 *marginata* KOCH, 1857
- 34 *pawlowae* MORDVILKO, 1901
- 35 Genus: *Geoica* HART, 1894
Species: *setulosa* (PASSERINI, 1860)
- 36 *utricularia* (PASSERINI, 1856)
- 37 Genus: *Paracletus* VON HEYDEN, 1837
Species: *bykovi bykovi* (MORDVILKO, 1921)
- 38 *cimiciformis cimiciformis* VON HEYDEN, 1837
- 39 Genus: *Smynthurodes* WESTWOOD, 1849
Species: *betae* WESTWOOD, 1849
- Tribe: Pemphigini HERRICH-SCHAEFFER, 1854
- 40 Genus: *Gootiella* TULLGREN, 1925
Species: *alba* SHAPOSHNIKOV, 1952
- 41 *tremulae* TULLGREN, 1925
- 42 Genus: *Mimeuria* BÖRNER, 1952
Species: *ulmiphila* (DEL GUERCIO, 1917)
- 43 Genus: *Mordwilkoja* DEL GUERCIO, 1909
Species: *vagabunda* (WALSH, 1863)
- 44 Genus: *Pachypappa* KOCH, 1856
Species: *marsupialis marsupialis* KOCH, 1856
- 45 *populi* (LINNAEUS, 1758)
- 46 *tremulae* (LINNAEUS, 1761)
- 47 *vesicalis* KOCH, 1856

- 48 *warshavensis* (NASONOV, 1894)
Genus: ***Pachypappella*** BAKER (A.C.), 1920
- 49 Species: *lactea* (TULLGREN, 1909)
Genus: ***Patchiella*** TULLGREN, 1925
- 50 Species: *reaumuri reaumuri* (KALTENBACH, 1843)
Genus: ***Pemphigus*** HARTIG, 1839
Subgenus: *Pemphigus* HARTIG, 1839
- 51 Species: *betae* DOANE, 1900
52 *borealis* TULLGREN, 1909
53 *bursarius* (LINNAEUS, 1758)
54 *fuscicornis* (KOCH, 1857)
55 *immunis* BUCKTON, 1896
56 *phenax* BÖRNER & BLUNCK, 1916
57 *populi* COURCHET, 1879
58 *populinigrae* (SCHRANK, 1801)
59 *protospirae* LICHTENSTEIN, 1885
60 *spyrothecae* PASSERINI, 1856
Genus: ***Prociphilus*** KOCH, 1857
Subgenus: *Prociphilus* KOCH, 1857
- 61 Species: *bumeliae* (SCHRANK, 1801)
62 *fraxini* (FABRICIUS, 1777)
Subgenus: *Stagona* KOCH, 1857
- 63 Species: *pini* (BURMEISTER, 1835)
64 *xylostei xylostei* (DE GEER, 1773)
Genus: ***Thecabius*** KOCH, 1857
Subgenus: *Parathecabius* BÖRNER, 1950
- 65 Species: *lysimachiae* BÖRNER, 1916
Subgenus: *Thecabius* KOCH, 1857
- 66 Species: *affinis* (KALTENBACH, 1843)
- Subfamily: HORMAPHIDINAE MORDVILKO, 1908
Tribe: Cerataphidini BAKER, 1920
Genus: ***Cerataphis*** LICHTENSTEIN, 1882
- 67 Species: *lataniae* (BOISDUVAL, 1867)**!
Tribe: Hormaphidini MORDVILKO, 1908
Genus: ***Hamamelistes*** SHIMER, 1867
- 68 Species: *betulinus* (HORVÁTH, 1896)

- 69 Genus: *Hormaphis* OSTEN-SACKEN, 1861
Species: *betulae* (MORDVILKO, 1901)
- Subfamily: PHLOEOMYZINAE MORDVILKO, 1934
70 Genus: *Phloeomyzus* HORVÁTH, 1896
Species: *passerinii* (SIGNORET, 1875)
- Subfamily: ANOECIINAE TULLGREN, 1909
Genus: *Anoecia* KOCH, 1857
Subgenus: *Anoecia* KOCH, 1857
71 Species: *corni* (FABRICIUS, 1775)
72 *furcata* (THEOBALD, 1915)
major BÖRNER, 1950
73 *stipae* MAMONTOVA, 1968
74 *vagans* (KOCH, 1856)
75 *zirnitsi* MORDVILKO, 1931
Subgenus: *Paranoecia* ZWÖLFER, 1957
76 Species: *pskovica* MORDVILKO, 1921
- Subfamily: THELAXINAE BAKER, 1920
Genus: *Glyphina* KOCH, 1856
77 Species: *betulae* (LINNAEUS, 1758)
78 *jacutensis* MORDVILKO, 1931
79 *pseudoschrankiana* BLACKMAN, 1989
Genus: *Thelaxes* WESTWOOD, 1840
80 Species: *dryophila* (SCHRANK, 1801)
81 *suberi* (DEL GUERCIO, 1911)
- Subfamily: MINDARINAE TULLGREN, 1909
Genus: *Mindarus* KOCH, 1857
82 Species: *abietinus* KOCH, 1857
83 *obliquus* (CHOLODKOVSKY, 1896)
- Subfamily: DREPANOSIPHINAE HERRICH-SCHAEFFER, 1857
Genus: *Drepanosiphum* KOCH, 1855
84 Species: *acerinum* (WALKER, 1848)
85 *aceris* KOCH, 1855
86 *oregonensis* GRANOVSKY, 1939²

- 87 *platanoidis* (SCHRANK, 1801)
- Subfamily: PHYLLAPHIDINAE HERRICH-SCHAEFFER, 1857
 Genus: *Phyllaphis* KOCH, 1856
- 88 Species: *fagi* LINNAEUS, 1767
- Subfamily: CALAPHIDINAE OESTLUND, 1919
 Tribe: Calaphidini OESTLUND, 1919
 Genus: *Betulaphis* GLENDENNING, 1926
- 89 Species: *brevipilosa* BÖRNER, 1940
 90 *quadrituberculata* (KALTENBACH, 1843)
 Genus: *Boernerina* BRAMSTEDT, 1940
- 91 Species: *depressa* BRAMSTEDT, 1940
 Genus: *Calaphis* WALSH, (1862) 1863
- 92 Species: *betulicola* (KALTENBACH, 1843)
 93 *flava* MORDVILKO, 1928
 Genus: *Callipterinella* VAN DER GOOT, 1913
- 94 Species: *calliptera* (HARTIG, 1841)
 95 *tuberculata* (VON HEYDEN, 1837)
 Genus: *Clethrobius* MORDVILKO, 1928
- 96 Species: *comes* (WALKER, 1848)
 Genus: *Euceraphis* WALKER, 1870
- 97 Species: *betulae* (KOCH, 1855)
 98 *punctipennis* (ZETTERSTEDT, 1828)
 Genus: *Monaphis* WALKER, 1870
- 99 Species: *antennata* (KALTENBACH, 1843)
 Genus: *Symydobius* MORDVILKO, 1894
 Subgenus: *Symydobius* MORDVILKO, 1894
- 100 Species: *oblongus* (VON HEYDEN, 1837)
 Tribe: Panaphidini OESTLUND, 1923
 Genus: *Appendiseta* RICHARDS, 1965
- 101 Species: *robiniae* (GILLETTE, 1907) !
 Genus: *Chromaphis* WALKER, 1870
- 102 Species: *juglandicola* (KALTENBACH, 1843) !
 Genus: *Ctenocallis* KLODNITSKY, 1924
- 103 Species: *setosus* (KALTENBACH, 1846)
 Genus: *Eucallipterus* SCHOUTEDEN, 1906
- 104 Species: *tiliae* (LINNAEUS, 1758)

- Genus: *Myzocallis* PASSERINI, 1860
Subgenus: *Agrioaphis* WALKER, 1870
105 Species: *castanicola* BAKER, 1917
106 *myricae* (KALTENBACH, 1843)
Subgenus: *Lineomyzocallis* RICHARDS, 1965
107 Species: *walshii* (MONELL in RILEY & MONELL, 1879) !
Subgenus: *Myzocallis* PASSERINI, 1860
108 Species: *boernerii* STROYAN, 1957
109 *carpini* (KOCH, 1855)
110 *coryli* (GOEZE, 1778)
Genus: *Panaphis* KIRKALDY, 1904
111 Species: *juglandis* (GOEZE, 1778) !
Genus: *Pterocallis* PASSERINI, 1860
Subgenus: *Pterocallis* PASSERINI, 1860
112 Species: *albidus* BÖRNER, 1940
113 *alni* (DE GEER, 1773)
114 *maculata* (VON HEYDEN, 1837)
Genus: *Therioaphis* WALKER, 1870
Subgenus: *Pterocallidium* BÖRNER, 1949
115 Species: *luteola* (BÖRNER, 1949)
116 *subalba* BÖRNER, 1949
trifolii (MONELL, 1882)
117 Subspecies: *trifolii* (MONELL, 1882)
118 *ventromaculata* F. P. MÜLLER, 1968
Subgenus: *Rhizoberlesia* DEL GUERCIO, 1919
119 Species: *brachytricha* HILLE RIS LAMBERS & VAN DEN
BOSCH, 1964
120 *riehmi* (BÖRNER, 1949)
Subgenus: *Therioaphis* WALKER, 1870
121 Species: *ononidis ononidis* (KALTENBACH, 1846)
122 *tenera tenera* (AIZENBERG, 1956)
Genus: *Tinocallis* MATSUMURA, 1919
Subgenus: *Eotinocallis* QUEDNAU, 2003
123 Species: *platani* (KALTENBACH, 1843)
Subgenus: *Sappocallis* MATSUMURA, 1919
124 Species: *nevskyi* REMAUDIÉRE, QUEDNAU & HEIE, 1988 !
125 *saltans* (NEVSKY, 1929) !

- Genus: *Tuberculatus* MORDVILKO, 1894
 Subgenus: *Tuberculatus* MORDVILKO, 1894
 126 Species: *quercus* (KALTENBACH, 1843)
 Subgenus: *Tuberculoides* VAN DER GOOT, 1915
 127 Species: *annulatus* (HARTIG, 1841)
 128 *borealis* (KRZYWIEC, 1971)
 129 *eggleri* BÖRNER, 1950
 130 *neglectus* (KRZYWIEC, 1966)
- Subfamily: SALTUSAPHIDINAE BAKER, 1920
 Tribe: Saltusaphidini BAKER, 1920
 Genus: *Iziphya* NEVSKY, 1929
 131 Species: *bufo* (WALKER, 1848)
 132 *ingegardae* HILLE RIS LAMBERS, 1952
 133 *memorialis* BÖRNER, 1950
 Genus: *Juncobia* QUEDNAU, 1954
 134 Species: *leegei* (BÖRNER, 1940)
 Genus: *Nevskya* OSSIANNILSSON, 1953
 135 Species: *fungifera* OSSIANNILSSON, 1953
 Genus: *Saltusaphis* THEOBALD, 1915
 136 Species: *scirpus* THEOBALD, 1915
 Genus: *Sminthuraphis* QUEDNAU, 1953
 137 Species: *ulrichi* QUEDNAU, 1953
 Tribe: Thripsaphidini BÖRNER, 1949
 Genus: *Allaphis* MORDVILKO, 1921
 138 Species: *cyperii* (WALKER, 1848)
 139 *ossiannilssoni* (HILLE RIS LAMBERS, 1952)
 140 *producta* (GILLETTE, 1917)
 141 *verrucosa verrucosa* (GILLETTE, 1917)
 Genus: *Subsaltusaphis* QUEDNAU, 1953
 Subgenus: *Subsaltusaphis* QUEDNAU, 1953
 142 Species: *flava* (HILLE RIS LAMBERS, 1939)
 143 *intermedia* (HILLE RIS LAMBERS, 1939)
 144 *lambersi lambersi* (QUEDNAU, 1954)
 145 *ornata* (THEOBALD, 1927)
 146 *pallida* (HILLE RIS LAMBERS, 1939)
 147 *paniceae* (QUEDNAU, 1954)
 148 *picta* (HILLE RIS LAMBERS, 1939)

- 149 *rossneri* (BÖRNER, 1940)
 Genus: *Thripsaphis* GILLETTE, 1917
 Subgenus: *Neobacillaphis* HUCULAK, 1968
- 150 Species: *szelegiewiczi szelegiewiczi* (HUCULAK, 1968)
 Subgenus: *Thripsaphis* GILLETTE, 1917
- 151 Species: *caricis* (MORDVILKO, 1921)
- Subfamily: CHAITOPHORINAE MORDVILKO, 1908
 Tribe: Chaitophorini MORDVILKO, 1908
 Genus: *Chaitophorus* KOCH, 1854
- 152 Species: *caprae* (MOSLEY, 1841)
- 153 *diversisetosus diversisetosus* SZELEGIEWICZ
 & CZYLOK, 1981
horii (TAKAHASHI, 1939)
- 154 Subspecies: *horii beuthani* (BÖRNER, 1950)
- 155 *hypogaeus* HILLE RIS LAMBERS, 1947
- 156 *leucomelas* KOCH, 1854
- 157 *longisetosus* SZELEGIEWICZ, 1959
- 158 *mordvilkoii* MAMONTOVA, 1961
- 159 *nassonowi* MORDVILKO, 1894
- 160 *parvus* HILLE RIS LAMBERS, 1935
- 161 *pentandrinus* OSSIANNILSSON, 1959
- 162 *populeti populeti* (PANZER, 1804)
- 163 *populialbae populialbae* (BOYER
 DE FONSCOLOMBE, 1841)
- 164 *ramicola* (BÖRNER, 1949)
- 165 *salicti* (SCHRANK, 1801)
salijaponicus ESSING & KUWANA, 1918
- 166 Subspecies: *salijaponicus niger* MORDVILKO, 1929
- 167 *tremulae tremulae* KOCH, 1854
- 168 *truncatus* (HAUSMANN, 1802)
- 169 *vitellinae vitellinae* (SCHRANK, 1801)
- Genus: *Periphylus* VAN DER HOEVEN, 1863
- 170 Species: *acericola* (WALKER, 1848)
- 171 *aceris* (LINNAEUS, 1761)
- 172 *californiensis californiensis* (SHINJI, 1917) !
- 173 *coracinus* (KOCH, 1854)
- 174 *hirticornis* (WALKER, 1848)

- 175 *lyropictus* (KESSLER, 1886)
 176 *obscurus* MAMONTOVA, 1955
 177 *testudinaceus* (FERNIE, 1852)
- Tribe: Siphini MORDVILKO, 1928
 Genus: *Atheroides* HALIDAY, 1839
 178 Species: *doncasteri* OSSIANNILSSON, 1955
 179 *hirtellus* HALIDAY, 1839
 180 *serrulatus* HALIDAY, 1839
 Genus: *Caricosipha* BÖRNER, 1939
 181 Species: *paniculatae* BÖRNER, 1939
 Genus: *Chaetosiphella* HILLE RIS LAMBERS, 1939
 182 Species: *berlesei* (DEL GUERCIO, 1905)
 183 *stipae stipae* HILLE RIS LAMBERS, 1947
 184 *tshernavini* (MORDVILKO, 1921)
 Genus: *Laingia* THEOBALD, 1922
 185 Species: *psammae* THEOBALD, 1922
 Genus: *Sipha* PASSERINI, 1860
 Subgenus: *Sipha* PASSERINI, 1860
 186 Species: *glyceriae* (KALTENBACH, 1843)
 Subgenus: *Rungisia* MIMEUR, 1933
 187 Species: *arenarii* MORDVILKO, 1921
 188 *elegans* DEL GUERCIO, 1905
 189 *maydis* PASSERINI, 1860
- Subfamily: APHIDINAE LATREILLE, 1802
 Tribe: Aphidini LATREILLE, 1802
 Genus: *Anthemidaphis* TASHEV, 1967
 190 Species: *oligommata* (TASHEV, 1967)
 Genus: *Aphis* LINNAEUS, 1758
 Subgenus: *Aphis* LINNAEUS, 1758
 191 Species: *acanthoidis* (BÖRNER, 1940)
 192 *acetosae* LINNAEUS, 1761
 193 *affinis* DEL GUERCIO, 1911
 194 *althaeae althaeae* (NEVSKY, 1929)³
 195 *antherici* HOLMAN, 1966
 196 *austriaca* HILLE RIS LAMBERS, 1950
 197 *ballotae* (PASSERINI, 1860)⁴
 198 *berlinskii* HUCULAK, 1968

- 199 *berteroae* SZELEGIEWICZ, 1966
200 *breviseta* HOLMAN, 1966
201 *brohmeri* BÖRNER, 1952
202 *brunellae* SCHOUTEDEN, 1903
203 *bupleuri* (BÖRNER, 1932)
204 *cacaliasteris* HILLE RIS LAMBERS, 1947
205 *calaminthae* (BÖRNER, 1952)
206 *callunae* THEOBALD, 1915
207 *cerastii* (BÖRNER, 1950)
208 *chloris* KOCH, 1854
209 *cirsioleracei* (BÖRNER, 1932)
210 *clematidis clematidis* KOCH, 1854
211 *clinopodii* PASSERINI, 1861
212 *comari* PRIOR & STROYAN, 1977
213 *commensalis* STROYAN, 1952
214 *comosa* (BÖRNER, 1950)
215 *confusa* WALKER, 1849
coronillae FERRARI, 1872
216 Subspecies: *arenaria* HOFFMANN, 1968
217 *coronillae* FERRARI, 1872
218 *craccae* LINNAEUS, 1758
219 *craccivora craccivora* KOCH, 1854
220 *crepidis* (BÖRNER, 1940)
cytisorum HARTIG, 1841
221 Subspecies: *cytisorum* HARTIG, 1841
222 *sarothamni* FRANSSEN, 1928
223 *eryngiglomerata* BOZHKO, 1963
224 *etiolata* STROYAN, 1952
225 *euphorbiae* KALTENBACH, 1843
fabae SCOPOLI, 1763
226 Subspecies: *cirsiacanthoidis* SCOPOLI, 1763
227 *evonymi* FABRICIUS, 1775
228 *fabae* SCOPOLI, 1763
229 *solanella* THEOBALD, 1914
230 *farinosa farinosa* GMELIN, 1790
231 *forbesi* WEED, 1889 !
frangulae KALTENBACH, 1845
232 Subspecies: *frangulae* KALTENBACH, 1845

233	<i>beccabungae</i> KOCH, 1855
	<i>testacea</i> K. H. THOMAS, 1968
234	<i>funitecta</i> (BÖRNER, 1950)
235	<i>galiiscabri</i> SCHRANK, 1801
236	<i>genistae</i> SCOPOLI, 1763
237	<i>gentianae</i> (BÖRNER, 1940)
	<i>gossypii</i> GLOVER, 1877
238	Subspecies: <i>capsellae</i> KALTENBACH, 1843
239	<i>gossypii</i> GLOVER, 1877** !
240	<i>hederae</i> KALTENBACH, 1843
241	<i>helianthemi helianthemi</i> FERRARI, 1872
242	<i>hieracii</i> SCHRANK, 1801
243	<i>hypochoeridis</i> (BÖRNER, 1940)
244	<i>idaei</i> VAN DER GOOT, 1912
245	<i>ilicis</i> KALTENBACH, 1843
246	<i>intybi</i> KOCH, 1855
247	<i>jacobaeae</i> SCHRANK, 1801
248	<i>janischi</i> (BÖRNER, 1940)
249	<i>klimeschi</i> (BÖRNER, 1950)
250	<i>korshunovi</i> IVANOVSKAJA, 1971
251	<i>lambersi</i> (BÖRNER, 1940)
252	<i>lamiorum</i> (BÖRNER, 1950)
253	<i>leontodontis</i> (BÖRNER, 1950)
254	<i>longini</i> HUCULAK, 1968
255	<i>loti</i> KALTENBACH, 1862
256	<i>lotiradicis</i> STROYAN, 1972
257	<i>mammulata</i> GHIMINGHAM & HILLE RIS LAMBERS, 1949
258	<i>mamonthovae</i> DAVLETSINA, 1964
259	<i>medicaginis</i> KOCH, 1854
260	<i>mirifica</i> (BÖRNER, 1950)
261	<i>molluginis</i> (BÖRNER, 1950)
262	<i>montanicola</i> HILLE RIS LAMBERS, 1950
263	<i>nasturtii</i> KALTENBACH, 1843
264	<i>nerii</i> BOYER DE FONSCOLOMBE, 1841**
265	<i>newtoni</i> THEOBALD, 1927
266	<i>origani</i> PASSERINI, 1860
267	<i>pilosellae</i> (BÖRNER, 1952)

- 268 *picridis* (BÖRNER, 1950) ⁵
269 *plantaginis* GOEZE, 1778
270 *podagrariae* SCHRANK, 1801
271 *pollinaria* (BÖRNER, 1952)
272 *polygonata* (NEVSKY, 1929)
273 *pomi* DE GEER, 1773
274 *praeterita* WALKER, 1849
275 *proffii* (BÖRNER, 1942)
276 *psammophila* SZELEGIEWICZ, 1967
277 *pseudocomosa* STROYAN, 1972
278 *pulsatillicola* HOLMAN, 1966
279 *roepkei* (HILLE RIS LAMBERS, 1931)
280 *ruborum* (BÖRNER & SCHILDER, 1931)
281 *rumicis* LINNAEUS, 1758
282 *salicariae* KOCH, 1855
283 *salviae* WALKER, 1852
284 *sambuci* LINNAEUS, 1758
sanguisorbae SCHRANK, 1801
285 Subspecies: *poterii* (BÖRNER, 1940)
286 *sanguisorbae* SCHRANK, 1801
287 *schilderi* (BÖRNER, 1940)
288 *sedii* KALTENBACH, 1843
289 *selini* (BÖRNER, 1940)
290 *serpylli* KOCH, 1854
291 *seselii* (BOZHKO, 1959)
292 *spiraecola* PATCH, 1914** !
293 *spiraephaga* MÜLLER (F.P.), 1961 !
294 *stachydis* MORDVILKO, 1929
295 *subnitida* (BÖRNER, 1940)
296 *subviridis* (BÖRNER, 1940)
297 *symphyti* SCHRANK, 1801
298 *tacita* HUCULAK, 1968
299 *taraxacicola* (BÖRNER, 1940)
300 *teucris* (BÖRNER, 1942)
301 *thalictri thalictri* KOCH, 1854
302 *thesii* HOLMAN, 1966
303 *thomasi* (BÖRNER, 1950)
304 *tormentillae* PASSERINI, 1879

- 305 *triglochinis* THEOBALD, 1926
 306 *ulmariae* SCHRANK, 1801
 307 *umbrella* (BÖRNER, 1950)
 308 *urticata* GMELIN, 1790
 309 *uvaeursi* OSSIANNILSSON, 1959
 310 *vaccinii* (BÖRNER, 1940)
 311 *veratri* WALKER, 1852
 312 *verbasci* SCHRANK, 1801
 313 *verticillatae* (BÖRNER, 1940)
 314 *viburni* SCOPOLI, 1763
 315 *vineti* HOFFMANN, 1972
 316 *violae* SCHOUTEDEN, 1900
 317 *vitalbae* FERRARI, 1872
 Subgenus: *Bursaphis* MAC VICAR BAKER, 1934
 318 Species: *epilobii* KALTENBACH, 1843
 319 *grossulariae* KALTENBACH, 1843
 320 *holoentherae* RAKAUSKAS, 2007
 321 *oenotherae oenotherae* OESTLUND, 1887 !
 322 *schneideri* (BÖRNER, 1940)
 Subgenus: *Toxoptera* KOCH, 1856
 323 Species: *aurantii aurantii* BOYER DE FONSCOLOMBE,
 1841** !
 Genus: *Hyalopterus* KOCH, 1854
 324 Species: *amygdali* (E. BLANCHARD, 1840)
 325 *pruni* (GEOFFROY, 1762)
 Genus: *Melanaphis* VAN DER GOOT, 1917
 326 Species: *luzulella* (HILLE RIS LAMBERS, 1947)
 327 *pyraria* (PASSERINI, 1861)
 Genus: *Protaphis* BÖRNER, 1952
 328 Species: *anthemidis* (BÖRNER, 1940)
 329 *carlinae* (BÖRNER, 1940)
 330 *elongata* (NEVSKY, 1928)
 331 *erigerontis* HOLMAN, 1966
 332 *hartigi* (HILLE RIS LAMBERS, 1931)
 333 *picridicola* HOLMAN, 1966
 Genus: *Rhopalosiphum* KOCH, 1854
 334 Species: *maidis* (FITCH, 1856) !
 335 *nymphaeae* (LINNAEUS, 1761)

- 336 *oxyacanthae* (SCHRANK, 1801) !
 337 *padi* (LINNAEUS, 1758)
 338 *rufiabdominale* (SASAKI, 1899)^{6**} !
 339 *rufulum* RICHARDS, 1960
 Genus: *Schizaphis* BÖRNER, 1931
 Subgenus: *Euschizaphis* HILLE RIS LAMBERS, 1947
 340 Species: *palustris* (THEOBALD, 1929)
 Subgenus: *Paraschizaphis* HILLE RIS LAMBERS, 1947
 341 Species: *caricis* (SCHOUTEDEN, 1906)
 342 *scirpi scirpi* (PASSERINI, 1874)
 Subgenus: *Schizaphis* BÖRNER, 1931
 343 Species: *agrostis* HILLE RIS LAMBERS, 1947
 344 *dubia* HUCULAK, 1968
 345 *graminum* (RONDANI, 1852)
 346 *holci* HILLE RIS LAMBERS, 1947
 347 *jaroslavi* (MORDVILKO, 1921)
 348 *longicaudata* HILLE RIS LAMBERS, 1939
 349 *nigerrima* (HILLE RIS LAMBERS, 1931)
 350 *rotundriventris* (SIGNORET, 1860) **
 351 *rufula* (WALKER, 1849)
 352 *wahlgreni* (OSSINILSSON, 1959)
 353 *weingaertneriae* HILLE RIS LAMBERS, 1947
 Genus: *Toxopteryna* BÖRNER, 1940
 354 Species: *vandergooti* (BÖRNER, 1939)
 Genus: *Xerobion* NEVSKY, 1928
 355 Species: *judenkoi* (SZELEGIEWICZ, 1959)
 Tribe: Macrosiphini WILSON, 1910⁷
 Genus: *Acaudinum* BÖRNER, 1930
 Subgenus: *Acaudinum* BÖRNER, 1930
 356 Species: *centaureae* (KOCH, 1854)
 Genus: *Acyrtosiphon* MORDVILKO, 1914
 Subgenus: *Acyrtosiphon* MORDVILKO, 1914
 357 Species: *auctum* (WALKER, 1849)
 358 *boreale* HILLE RIS LAMBERS, 1952
 359 *caraganae caraganae* (CHOLODKOVSKY, 1907) !
cyparissiae (KOCH, 1855)
 360 Subspecies: *cyparissiae* (KOCH, 1855)

- 361 *propinquum* MORDVILKO, 1914
- 362 *ignotum* MORDVILKO, 1914
- 363 *knechteli* (BÖRNER, 1950)
- 364 *lactucae* (PASSERINI, 1860)
- 365 *loti* (THEOBALD, 1913)
- malvae* (MOSLEY, 1841)
- 366 Subspecies: *agrioniae* (BÖRNER, 1940)
- 367 *malvae* (MOSLEY, 1841)
- 368 *oterii* PRIOR & STROYAN, 1964
- 369 *potha* BÖRNER, 1950
- 370 *rogersii* (THEOBALD, 1913)
- 371 *parvum* BÖRNER, 1950
- pisum* HARRIS, 1776
- 372 Subspecies: *ononis* (KOCH, 1855)
- 373 *pisum* HARRIS, 1776
- Subgenus: *Liporrhinus* BÖRNER, 1939
- 374 Species: *chelidonii* (KALTENBACH, 1843)
- Genus: *Allocotaphis* BÖRNER, 1950
- 375 Species: *quaestionis* (BÖRNER, 1942)
- Genus: *Ammiaphis* BÖRNER, 1952
- 376 Species: *sii* (KOCH, 1855)
- Genus: *Amphorophora* BUCKTON, 1876
- Subgenus: *Amphorophora* BUCKTON, 1876
- 377 Species: *ampullata ampullata* BUCKTON, 1876
- 378 *gei* (BÖRNER, 1939)
- 379 *idaei* (BÖRNER, 1939)
- 380 *rubi* (KALTENBACH, 1843)
- Genus: *Amphorosiphon* HILLE RIS LAMBERS, 1949
- 381 Species: *pulmonariae* (BÖRNER, 1942)
- Genus: *Anuraphis* DEL GUERCIO, 1907
- 382 Species: *catonii* HILLE RIS LAMBERS, 1935
- 383 *farfarae* (KOCH, 1854)
- 384 *subterranea* (WALKER, 1852)
- Genus: *Aspidaphis* GILLETTE, 1917
- 385 Species: *adjuvans* (WALKER, 1848)
- Genus: *Aulacorthum* MORDVILKO, 1914
- Subgenus: *Aulacorthum* MORDVILKO, 1914
- 386 Species: *aegopodii* BÖRNER, 1939

- 387 *cylactis* BÖRNER, 1942 ⁸
 388 *flavum* MÜLLER, 1958
 389 *knautiae* HEIE, 1960
 390 *langei* BÖRNER, 1939
 391 *majanthemi* MÜLLER, 1956
 392 *palustre* HILLE RIS LAMBERS, 1947
 393 *rufum* HILLE RIS LAMBERS, 1947
 394 *sedens* MÜLLER, 1966
 395 *solani solani* (KALTENBACH, 1843)
 396 *speyeri* BÖRNER, 1939
- Genus: *Brachycaudus* VAN DER GOOT, 1913
 Subgenus: *Acaudus* VAN DER GOOT, 1913
- 397 Species: *divaricatae* SHAPOSHNIKOV, 1956
 398 *klugkisti* (BÖRNER, 1942)
 399 *lamii* (KOCH, 1854)
 400 *lateralis* WALKER, 1848
 401 *lucifugus* MÜLLER, 1952
 402 *lychnidis* (LINNAEUS, 1758)
 403 *mordvilkoii* HILLE RIS LAMBERS, 1931
 404 *populi* (DEL GUERCIO, 1911)
- Subgenus: *Appelia* BÖRNER, 1930
- 405 Species: *cerinthis* BOZHKO, 1961
prunicola (KALTENBACH, 1943)
- 406 Subspecies: *prunicola* (KALTENBACH, 1943)
 407 *schwartzii* (BÖRNER, 1931) ⁹
 408 Species: *tragopogonis* (KALTENBACH, 1843)
- Subgenus *Brachycaudina* BÖRNER, 1930
- 409 Species: *napelli* (SCHRANK, 1801)
- Subgenus: *Brachycaudus* VAN DER GOOT, 1913
- 410 Species: *helichrysi* (KALTENBACH, 1843)
 411 *salicinae* BÖRNER, 1939
 412 *spiraeae* BÖRNER, 1932
- Subgenus: *Prunaphis* SHAPOSHNIKOV, 1964
- 413 Species: *cardui* (LINNAEUS, 1758) ¹⁰
- Subgenus: *Scrophulaphis* ANDREEV, 1982
- 414 Species: *linariae* STROYAN, 1950 ¹¹
 415 *persicae* (PASSERINI, 1860)

- Subgenus: *Thuleaphis* HILLE RIS LAMBERS, 1960
 416 Species: *amygdalinus* (SCHOUTEDEN, 1905)
 417 *rumexicolens* (PATCH, 1917) !
 418 *sedi* (JACOB, 1964)
 Genus: *Brachycolus* BUCKTON, 1879
 419 Species: *cerastii* (KALTENBACH, 1846)
 420 *cucubali* (PASSERINI, 1863)
 421 *stellariae* (HARDY, 1850)
 Genus: *Brachycorynella* AIZENBERG, 1954
 422 Species: *asparagi* (MORDVILKO, 1929)
 Genus: *Brevicoryne* DAS, 1915
 423 Species: *brassicae* (LINNAEUS, 1758)
 Genus: *Capitophorus* VAN DER GOOT, 1913
 424 Species: *carduinus* (WALKER, 1850)
 425 *elaeagni* (DEL GUERCIO, 1894)
 426 *hippohaes hippohaes* (WALKER, 1852)
horni BÖRNER, 1931
 427 Subspecies: *gynoxantha* HILLE RIS LAMBERS, 1953
 428 *horni* BÖRNER, 1931
 429 *pakansus* HOTTES & FRISON, 1931
 430 *similis* VAN DER GOOT, 1915
 Genus: *Cavariella* DEL GUERCIO, 1911
 431 Species: *aegopodii* (SCOPOLI, 1763)
 432 *archangelicae* (SCOPOLI, 1763)
 433 *cicutae* (KOCH, 1854)
 434 *intermedia* HILLE RIS LAMBERS, 1969
 435 *konoii* TAKAHASHI, 1939
 436 *pastinacae* (LINNAEUS, 1758)
 437 *salicicola* (MATSUMURA, 1917)
 438 *theobaldi* (GILLETTE & BRAGG, 1918)
 Genus: *Ceruraphis* BÖRNER, 1926
 439 Species: *eriphori* (WALKER, 1848)
 Genus: *Chaetosiphon* MORDVILKO, 1914
 Subgenus: *Chaetosiphon* MORDVILKO, 1914
 440 Species: *alpestre alpestre* HILLE RIS LAMBERS, 1953
 Subgenus: *Pentatrichopus* BÖRNER, 1930
 441 Species: *potentillae* (WALKER, 1850)
 442 *tetrrhodum* (WALKER, 1849)

- 443 Genus: *Chondrillobium* BOZHKO, 1961
Species: *blatnyi* (PINTERA, 1959)
- 444 Genus: *Coloradoa* WILSON, 1910
Species: *abrotani* (KOCH, 1854)
445 *absinthii* (LICHTENSTEIN, 1885)
446 *achilleae* HILLE RIS LAMBERS, 1939
447 *angelicae* (DEL GUERCIO, 1911)
448 *artemisiae* (DEL GUERCIO, 1913)
449 *campestrella* OSSIANNILSSON, 1959
450 *campestris* BÖRNER, 1939
451 *huculaki* SZELEGIEWICZ, 1981¹²
452 *inodorella* OSSIANNILSSON, 1959
453 *tanacetina* (WALKER, 1850)
- Genus: *Corylobium* MORDVILKO, 1914
454 Species: *avellanae* (SCHRANK, 1801)
- Genus: *Cryptaphis* HILLE RIS LAMBERS, 1947
455 Species: *poae* (HARDY, 1850)
- Genus: *Cryptomyzus* OESTLUND, 1923
Subgenus: *Ampullosiphon* HEIKINHEIMO, 1955
456 Species: *stachydis* (HEIKINHEIMO, 1955)
Subgenus: *Cryptomyzus* OESTLUND, 1922
457 Species: *alboapicalis* (THEOBALD, 1916)
458 *ballotae* HILLE RIS LAMBERS, 1953
galeopsidis (KALTENBACH, 1843)
459 Subspecies: *citrinus* HILLE RIS LAMBERS, 1953
dickeri HILLE RIS LAMBERS, 1953
galeopsidis (KALTENBACH, 1843)
460 *korschelti* BÖRNER, 1938
461 *leonuri* BOZHKO, 1961
462 *ribis* (LINNAEUS, 1758)
- Genus: *Cryptosiphum* BUCKTON, 1879
463 Species: *artemisiae artemisiae* BUCKTON, 1879
464 *brevipilosum* BÖRNER, 1932
- Genus: *Delphiniobium* MORDVILKO, 1914
465 Species: *junackianum junackianum* (KARSCH, 1887)
- Genus: *Diphorodon* BÖRNER, 1939¹³
466 Species: *cannabis* PASSERINI, 1860

Genus: *Diuraphis* AIZENBERG, 1956Subgenus: *Diuraphis* AIZENBERG, 1956

- 467 Species: *muehlei* (BÖRNER, 1950)
 468 *noxia* (MORDVILKO ex KURDJUMOV, 1913)
 Subgenus: *Holcaphis* HILLE RIS LAMBERS, 1939
 469 Species: *agrostidis* (MUDDATHIR, 1965)
bromicola (HILLE RIS LAMBERS, 1959)
 471 *calamagrostis* (OSSIANNILSSON, 1959)
 472 *frequens* (WALKER, 1848)
 473 *holci* (HILLE RIS LAMBERS, 1956)

Genus: *Dysaphis* BÖRNER, 1931Subgenus: *Dysaphis* BÖRNER, 1931

- 474 Species: *angelicae* (KOCH, 1854)
 475 *anthrisci* BÖRNER, 1950
apifolia (THEOBALD, 1923)
 476 Subspecies: *apiifolia petroselini* (BÖRNER, 1950)
 477 *bononii* (HILLE RIS LAMBERS, 1935)
 478 *brancoi brancoi* (BÖRNER, 1950)
 479 *chaerophylli* (BÖRNER, 1940)
crataegi (KALTENBACH, 1843)
 480 Subspecies: *aethusae* (BÖRNER, 1950)
 481 *crataegi* (KALTENBACH, 1843)
 482 *kunzei* (BÖRNER, 1950)
 483 *devecta* (WALKER, 1849)
 484 *hirsutissima* (BÖRNER, 1940)
lappae (KOCH, 1854)
 485 Subspecies: *cirsii* (BÖRNER, 1950)
 486 *lappae* (KOCH, 1854)
 487 *laserpitii* (BÖRNER, 1950)
 488 *lauberti* (BÖRNER, 1940)
leefmansii (HILLE RIS LAMBERS, 1954)
 489 Subspecies: *leefmansii krumbholzi* MÜLLER, 1961
newskyi (BÖRNER, 1940)
 490 Subspecies: *aizenbergi* (SHAPOSHNIKOV, 1949)
 491 *newskyi* (BÖRNER, 1940)
 492 *oreoselini* SZELEGIEWICZ, 1982
 493 *radicola* (MORDVILKO, 1897)
 494 *ranunculi* (KALTENBACH, 1843)

- 495 *tulipae* (BOYER DE FONSCOLOMBE, 1841)
Subgenus: *Pomaphis* BÖRNER, 1939
- 496 Species: *aucupariae* (BUCKTON, 1879)
- 497 *plantaginea* (PASSERINI, 1860)
- 498 *plantaginis* (PAŠEK, 1955)
- 499 *pyri* (BOYER DE FONSCOLOMBE, 1841)
- 500 *sorbi* (KALTENBACH, 1843)
Genus: *Elatobium* MORDVILKO, 1914
- 501 Species: *abietinum* (WALKER, 1849)
Genus: *Ericaphis* BÖRNER, 1939
- 502 Species: *ericae* (BÖRNER, 1933)
- 503 *latifrons* (BÖRNER, 1942)
Genus: *Hayhurstia* DEL GUERCIO, 1917
- 504 Species: *atriplicis* (LINNAEUS, 1761)
Genus: *Hyadaphis* KIRKALDY, 1904
- 505 Species: *bicincta* BÖRNER, 1942
- 506 *bupleuri* BÖRNER, 1939
- 507 *coriandri* (DAS, 1918)
- 508 *foeniculi foeniculi* (PASSERINI, 1860)
- 509 *passerinii* (DEL GUERCIO, 1911)
- 510 *polonica* SZELEGIEWICZ, 1959
- 511 *tataricae* (AIZENBERG, 1935)
Genus: *Hyalopteroides* THEOBALD, 1916
- 512 Species: *humilis* (WALKER, 1852)
Genus: *Hydaphias* BÖRNER, 1930
- 513 Species: *hofmanni* BÖRNER, 1950
- 514 *molluginis* BÖRNER, 1939
- 515 *mosana* HILLE RIS LAMBERS, 1956
Genus: *Hyperomyzus* BÖRNER, 1933
- Subgenus: *Hyperomyzella* HILLE RIS LAMBERS, 1949
- 516 Species: *rhinanthi* (SCHOUTEDEN, 1903)
Subgenus: *Hyperomyzus* BÖRNER, 1933
- 517 Species: *lactucae* (LINNAEUS, 1758)
- 518 *lampsanae* (BÖRNER, 1932)
- 519 *pallidus* HILLE RIS LAMBERS, 1935
Subgenus: *Neonasonovia* HILLE RIS LAMBERS, 1949
- 520 Species: *picridis* (BÖRNER & BLUNCK, 1916)
- 521 *zirnitsi* HILLE RIS LAMBERS, 1952

- Genus: *Idiopterus* DAVIS, 1909
 522 Species: *nephrolepidis* DAVIS, 1909** !
- Genus: *Illinoia* WILSON, 1910
 Subgenus: *Illinoia* WILSON, 1910
 523 Species: *azaleae azaleae* (MASON, 1925) !
 Subgenus *Masonaphis* HILLE RIS LAMBERS, 1939
 524 Species: *lambersi* (MACGILLIVRAY, 1960) !
- Genus: *Impatientinum* MORDVILKO, 1914
 525 Species: *asiaticum asiaticum* NEVSKY, 1929 !
 526 *balsamines* (KALTENBACH, 1862)
- Genus: *Jacksonia* THEOBALD, 1923
 527 Species: *papillata* THEOBALD, 1923
- Genus: *Linosiphon* BÖRNER, 1950
 528 Species: *asperulophagum* HOLMAN, 1961
 529 *galii* (MAMONTOVA, 1961)
 530 *galiophagum* (WIMSHURST, 1923)
- Genus: *Liosomaphis* WALKER, 1868
 531 Species: *berberidis* (KALTENBACH, 1843)
- Genus: *Lipaphis* MORDVILKO, 1928
 Subgenus: *Lipaphidiella* DONCASTER, 1954
 532 Species: *ruderalis* BÖRNER, 1939
 Subgenus: *Lipaphis* MORDVILKO, 1928
 533 Species: *alliariae* F. P MÜLLER, 1952
 534 *erysimi* (KALTENBACH, 1843)
 535 *fritzmuelleri* BÖRNER, 1950
 536 *rossi rossi* BÖRNER, 1939
 537 *turritella* (WAHLGREN, 1938)
- Genus: *Longicaudus* VAN DER GOOT, 1913
 538 Species: *trirhodus trirhodus* (WALKER, 1849)
- Genus: *Macrosiphoniella* DEL GUERCIO, 1911
 Subgenus: *Asterobium* HILLE RIS LAMBERS, 1938
 539 Species: *asteris* (WALKER, 1849)
linariae (KOCH, 1855)
 Subgenus: *Macrosiphoniella* DEL GUERCIO, 1911
 540 Species: *abrotani abrotani* (WALKER, 1852)
 541 *absinthii* (LINNAEUS, 1758)
 542 *artemisiae artemisiae* (BOYER DE FONSCOLOMBE,
 1841)

- 543 *dimidiata* BÖRNER, 1942
kaufmanni BÖRNER, 1940
- 544 *millefolii* (DE GEER, 1773)
- 545 *nitida nitida* (BÖRNER, 1950)
- 546 *ptarmicae* HILLE RIS LAMBERS, 1956
- 547 *sanborni* (GILLETTE, 1908) ** !
- 548 *sejuncta* (WALKER, 1848)
- 549 *staegeri staegeri* HILLE RIS LAMBERS, 1947
- 550 *subaequalis* BÖRNER, 1942
- 551 *subterranea* (KOCH, 1855)
- 552 *tanacetaria tanacetaria* (KALTENBACH, 1843)
- 553 *tapuskae* (HOTTE & FRISON, 1931)
- 554 *usquertensis* HILLE RIS LAMBERS, 1935
Subgenus: *Phalangomyzus* BÖRNER, 1939
Species: *oblonga* (MORDVILKO, 1901)
- 555 *persequens* (WALKER, 1852)
- 556 Subgenus: *Ramitrichophorus* HILLE RIS LAMBERS, 1947
Species: *hillerislambersi* OSSIANNILSSON, 1954
- 557 *jankei* BÖRNER, 1939
- 558 *medvedevi* (BOZHKO, 1957)
- 559 Genus: ***Macrosiphum*** PASSERINI, 1860
Subgenus: ***Macrosiphum*** PASSERINI, 1860
Species: *albifrons* ESSIG, 1911 !
- 560 *atragenae* HOLMAN, 1980
- 561 *cholodkovskyi* (MORDVILKO, 1909)
- 562 *daphnidis* BÖRNER, 1950
- 563 *dryopteridis* (HOLMAN, 1959) ¹⁴
- 564 *equiseti* (HOLMAN, 1961) ¹⁵
- 565 *euphorbiae* (THOMAS, 1878) !
- 566 *euphorbiellum* THEOBALD, 1917 ¹⁶
- 567 *funestum* (MACCHIATI, 1885)
- 568 *gei* (KOCH, 1855)
- 569 *holmani* LECLANT, 1972
- 570 *knautiae* HOLMAN, 1972
- 571 *lisae* HEIE, 1965
- 572 *melampyri* MORDVILKO, 1919
- 573 *oredonense* REMAUDIÉRE, 1952
- 574 *prenanthidis* BÖRNER, 1940
- 575

- 576 *ptericolens* PATCH, 1919 ¹⁷ !
 577 *rosae rosae* (LINNAEUS, 1758)
 578 *stellariae* THEOBALD, 1913
 579 *tinctum* (WALKER, 1849)
 Genus: **Megoura** BUCKTON, 1876
 580 Species: *litoralis* F. P. MÜLLER, 1952
 581 *viciae* BUCKTON, 1876
 Genus: **Megourella** HILLE RIS LAMBERS, 1949
 582 Species: *purpurea* HILLE RIS LAMBERS, 1949
 583 *tribulis* (WALKER, 1849)
 Genus: **Metopeurum** MORDVILKO, 1914
 584 Species: *enslini* (BÖRNER, 1933)
 585 *fuscoviride fuscoviride* STROYAN, 1950
 Genus: **Metopolophium** MORDVILKO, 1914
 Subgenus: *Metopolophium* MORDVILKO, 1914
 586 Species: *albidum* HILLE RIS LAMBERS, 1947
 587 *dirhodum* (WALKER, 1849)
 588 *fasciatum* STROYAN, 1982
 589 *festucae festucae* (THEOBALD, 1917)
 590 *tenerum* HILLE RIS LAMBERS, 1947
 Genus: **Microlophium** MORDVILKO, 1914
 591 Species: *carnosum* (BUCKTON, 1876)
 592 *sibiricum sibiricum* (MORDVILKO, 1914)
 Genus: **Microsiphum** CHOLODKOVSKY, 1902
 593 Species: *jazykovi* NEVSKY, 1928
 594 *millefolii* WAHLGREN, 1940
 595 *woronickeae* JUDENKO, 1931
 Genus: **Muscaphis** BÖRNER, 1933
 596 Species: *escherichi escherichi* (BÖRNER, 1939)
 597 *musci* BÖRNER, 1933
 Genus: **Myzaphis** VAN DER GOOT, 1913
 598 Species: *rosarum* (KALTENBACH, 1843)
 Genus: **Myzus** PASSERINI, 1860
 Subgenus: *Galiobium* BÖRNER, 1933
 599 Species: *langei* (BÖRNER, 1933)
 Subgenus: *Myzus* PASSERINI, 1860
 Species: *cerasi*
 600 Subspecies: *cerasi* (FABRICIUS, 1775)

- 601 *pruniavium* BÖRNER, 1926
 602 *lythri* (SCHRANK, 1801)
 603 *ornatus* LAING, 1932 !
 604 *varians* DAVIDSON, 1912 !
 Subgenus: *Nectarosiphon* SCHOUTEDEN, 1901
 605 Species: *ajugae* SCHOUTEDEN, 1903
 606 *certus* (WALKER, 1849)
 607 *ligustri* (MOSLEY, 1841)
 608 *myosotidis* (BÖRNER, 1950)
 609 *persicae* (SULZER, 1776) !
 610 *titschaki* (BÖRNER, 1942)
 Subgenus: *Sciamyzus* STROYAN, 1954
 611 Species: *ascalonicus* DONCASTER, 1946 !
 Genus: *Nasonovia* MORDVILKO, 1914
 Subgenus: *Nasonovia* MORDVILKO, 1914
 Species: *compositellae* (THEOBALD, 1924)
 612 Subspecies: *compositellae* (THEOBALD, 1924)
 613 *nigra* (HILLE RIS LAMBERS, 1931)
 614 *pilosellae* (BÖRNER, 1933)
 615 *ribisnigri* (MOSLEY, 1841)
 Genus: *Neoamphorophora* MASON, 1924
 616 Species: *ledi* (WAHLGREN, 1938)
 Genus: *Neomariaella* SZWEDO & OSIADACZ, 2010
 617 Species: *lambersi* (SZELEGIEWICZ, 1961)
 Genus: *Neomyzus* VAN DER GOOT, 1915
 618 Species: *circumflexus* (BUCKTON, 1876) !
 Genus: *Neopterocomma* HILLE RIS LAMBERS, 1935
 619 Species: *asiphum* HILLE RIS LAMBERS, 1935
 620 *verhoeveni* HILLE RIS LAMBERS, 1956
 Genus: *Ossiannilssonia* HILLE RIS LAMBERS, 1952
 621 Species: *oelandica* HILLE RIS LAMBERS, 1952
 Genus: *Ovatomyzus* HILLE RIS LAMBERS, 1947
 Species: *boraginacearum* EASTOP, 1952
 622 *chamaedrys* (PASSERINI, 1879)
 623 *stachyos* HILLE RIS LAMBERS, 1947
 Genus: *Ovatus* VAN DER GOOT, 1913
 Subgenus: *Ovatus* VAN DER GOOT, 1913
 624 Species: *crataegarius* (WALKER, 1850)

- 625 *insitus* (WALKER, 1849)
626 *mentharius* (VAN DER GOOT, 1913)
Genus: ***Paczoskia*** MORDVILKO, 1919
627 Species: *longipes* TASHEV, 1964
628 *major major* BÖRNER, 1950
629 *obtecta* BÖRNER, 1950
Genus: ***Paramyzus*** BÖRNER, 1933
630 Species: *heraclei heraclei* BÖRNER, 1933
Genus: ***Phorodon*** PASSERINI, 1860
631 Species: *humuli humuli* (SCHRANK, 1801)
Genus: ***Pleotrichophorus*** BÖRNER, 1930
632 Species: *deviatus* MÜLLER, 1972
633 *duponti* HILLE RIS LAMBERS, 1935
634 *glandulosus glandulosus* (KALTENBACH, 1846)
635 *helichrysi* BOZHKO, 1963
636 *persimilis persimilis* BÖRNER, 1950
Genus: ***Plocamaphis*** OESTLUND, 1923
637 Species: *amerinae* (HARTIG, 1841)
flocculosa (WEED, 1891)
638 Subspecies: *flocculosa brachysiphon* OSSIANNILSSON,
1959
flocculosa goernitzi BÖRNER, 1940
Genus: ***Pseudacaudella*** BÖRNER, 1950
640 Species: *rubida* (BÖRNER, 1939)
Genus: ***Pseudobrevicoryne*** HEINZE, 1960
641 Species: *buhri* (BÖRNER, 1952)
642 *erysimi* HOLMAN, 1961
Genus: ***Pterocomma*** BUCKTON, 1879
643 Species: *dubium* (BÖRNER, 1950)
644 *jacksoni* THEOBALD, 1921
645 *konoii* (HORI ex TAKAHASHI, 1939)
pilosum BUCKTON, 1879
646 Subspecies: *pilosum* BUCKTON, 1879
647 *sarmaticum* SZELEGIEWICZ, 1967
648 *populeum* (KALTENBACH, 1843)
649 *rufipes* (HARTIG, 1841)
650 *salicis* (LINNAEUS, 1758)
651 *tremulae* BÖRNER, 1940

- Genus: **Rhodobium** HILLE RIS LAMBERS, 1947
652 Species: *porosum* (SANDERSON, 1900) !
- Genus: **Rhopalomyzus** MORDVILKO, 1921
Subgenus: *Judenkoa* HILLE RIS LAMBERS, 1946
653 Species: *lonicerae* (SIEBOLD, 1839)
Subgenus: *Rhopalomyzus* MORDVILKO, 1921
654 Species: *poae* (GILLETTE, 1908)
- Genus: **Rhopalosiphoninus** BACKER (A. C.), 1920
Subgenus: *Neorhopalosiphoninus* GHOSH (A.K.)
& RAYCHAUDHURI (D.N.), 1968¹⁸
Species: *staphyleae* (KOCH, 1854)
655 Subspecies: *staphyleae* (KOCH, 1854)
656 *tulipaellus* (THEOBALD, 1916)
Subgenus: *Pseudorhopalosiphoninus* HEINZE, 1961
657 Species: *calthae* (KOCH, 1854)
Subgenus: *Rhopalosiphoninus* BACKER, 1920
658 Species: *latysiphon* (DAVIDSON, 1912) !
659 *maianthemum* STROYAN, 1965
660 *ribesinus* (VAN DER GOOT, 1912)
Subgenus: *Submegoura* HILLE RIS LAMBERS, 1953
661 Species: *heikinheimoi* (BÖRNER, 1952)
- Genus: **Semiaphis** VAN DER GOOT, 1913
662 Species: *anthrisci* (KALTENBACH, 1843)
663 *dauci dauci* (FABRICIUS, 1775)
664 *pimpinellae* (KALTENBACH, 1843)
- Genus: **Sitobion** MORDVILKO, 1914
Subgenus: *Sitobion* MORDVILKO, 1914
665 Species: *alopecuri* (TAKAHASHI, 1921)¹⁹ * !
666 *avenae* (FABRICIUS, 1775)
667 *fragariae* (WALKER, 1848)
paludum MÜLLER, 1982
- Genus: **Smiela** MORDVILKO, 1948
668 Species: *fusca* MORDVILKO, 1948
- Genus: **Spatulophorus** MÜLLER (F. P.), 1958
669 Species: *incanae* MÜLLER (F. P.), 1958
- Genus: **Staegeriella** HILLE RIS LAMBERS, 1947
670 Species: *necopinata* (BÖRNER, 1939)

- Genus: *Subacyrthosiphon* HILLE RIS LAMBERS, 1947
 671 Species: *cryptobium* HILLE RIS LAMBERS, 1947
 Genus: *Taiwanomyzus* TAO, 1963
 672 Species: *alpicola* (HILLE RIS LAMBERS, 1969)
 Genus: *Titanosiphon* NEVSKY, 1928
 673 Species: *artemisiae* (KOCH, 1855)
 Genus: *Trichosiphonaphis* TAKAHASHI, 1922
 Subgenus: *Xenomyzus* AIZENBERG, 1935
 674 Species: *corticis* (AIZENBERG, 1935)
 Genus: *Tubaphis* HILLE RIS LAMBERS, 1947
 675 Species: *ranunculina* (WALKER, 1852)
 Genus: *Uroleucon* MORDVILKO, 1914
 Subgenus: *Lambersius* OLIVE, 1965
 676 Species: *erigeronense* (THOMAS, 1878) !
 Subgenus: *Uroleucon* MORDVILKO, 1914
 677 Species: *achilleae* (KOCH, 1855)
 678 *chondrillae* (NEVSKY, 1929)
 679 *cichorii* (KOCH, 1855)
 680 *cirsii* (LINNAEUS, 1758)
 681 *grossum* (HILLE RIS LAMBERS, 1939)
 682 *hypochoeridis* (FABRICIUS, 1779)
 683 *inulicola inulicola* (HILLE RIS LAMBERS, 1939)
 684 *jaceicola jaceicola* (HILLE RIS LAMBERS, 1939)
 685 *leontodontis* (HILLE RIS LAMBERS, 1939)
 686 *murale* (BUCKTON, 1876)
 687 *obscurum* (KOCH, 1855)
 688 *picridis* (FABRICIUS, 1775)
 689 *pilosellae* (BÖRNER, 1933)
 690 *pseudoambrosiae* (OLIVE, 1963) ** !
 691 *pulicariae* (HILLE RIS LAMBERS, 1939)
 692 *sonchi sonchi* (LINNAEUS, 1767)
 693 *tanacetii* (LINNAEUS, 1758)
 694 *telekiae* (HOLMAN, 1965)
 695 *tussilaginis* (WALKER, 1850)
 Subgenus: *Uromelan* MORDVILKO, 1914
 696 Species: *aeneum* (HILLE RIS LAMBERS, 1939)
 697 *campanulae campanulae* (KALTENBACH, 1843)
 698 *carlinae* (BÖRNER, 1933)

- 699 *doronici* (BÖRNER, 1942)
 700 *ensifoliae* (HOLMAN, 1965)
jaceae (LINNAEUS, 1758)
 701 Subspecies: *jaceae* (LINNAEUS, 1758)
 702 *henrichi* (BÖRNER, 1950)
 703 *reticulatum* (HILLE RIS LAMBERS, 1939)
 704 *minosmartellii* BARBAGALLO & PATTI, 1994
 705 *nigrocampanulae* (THEOBALD, 1928)
 706 *rapunculoidis* (BÖRNER, 1939)
 707 *simile* (HILLE RIS LAMBERS, 1935)
 708 *solidaginis* (FABRICIUS, 1779)
 709 *taraxaci* (KALTENBACH, 1843)
 Genus: ***Vesiculaphis*** DEL GUERCIO, 1911
 710 Species: *theobaldi* TAKAHASHI, 1930
 Genus: ***Volutaphis*** BÖRNER, 1939
 711 Species: *schusteri* (BÖRNER, 1939)
 Genus: ***Wahlgreniella*** HILLE RIS LAMBERS, 1949
 712 Species: *ossiannilssoni* HILLE RIS LAMBERS, 1949
 Genus: ***Zinia*** SHAPOSHNIKOV, 1950
 713 Species: *veronicae* SHAPOSHNIKOV, 1950
- Subfamily: LACHNINAE HERRICH-SCHAEFFER, 1854
 Tribe: Eulachnini BAKER, 1920
 Genus: ***Cinara*** CURTIS, 1835
 Subgenus: *Cinara* CURTIS, 1835
 714 Species: *acutirostris* HILLE RIS LAMBERS, 1956
 715 *brauni* BÖRNER, 1940
 716 *cembrae* (SEITNER, 1936)
 717 *confinis* (KOCH, 1856)
 718 *costata* (ZETTERSTEDT, 1828)
 719 *cuneomaculata* (DEL GUERCIO, 1909)
 720 *hyperophila* (KOCH, 1855)
 721 *kochiana kochiana* (BÖRNER, 1939)
 722 *laricis* (HARTIG, 1839)
 723 *neubergi* (ARNHART, 1930)
 724 *nuda* MORDVILKO, 1895
 725 *pectinatae* (NÖRDLINGER, 1880)
 726 *piceae* (PANZER, 1800)

- 727 *piceicola* (CHOLODKOVSKY, 1896)
 728 *pilicornis* (HARTIG, 1841)
 729 *pilosa* (ZETTERSTEDT, 1940)
 730 *pinea* (MORDVILKO, 1895)
 731 *pini* (LINNAEUS, 1758)
 732 *pinihabitans* (MORDVILKO, 1895)
 733 *piniphila* (RATZEBURG, 1844)
 734 *pruinosa pruinosa* (HARTIG, 1841)
 Subgenus: *Cupressobium* BÖRNER, 1940
 735 Species: *cupressi* (BUCKTON, 1881)
 736 *fresai* (BLANCHARD, 1939)
 737 *juniperi* (DE GEER, 1773)
 738 *mordvilkoii* (PAŠEK, 1954)
 739 *tujafilina* (DEL GUERCIO, 1909)
 Genus: *Eulachnus* DEL GUERCIO, 1909
 740 Species: *agilis* (KALTENBACH, 1843)
 741 *alticola* BÖRNER, 1940
 742 *brevipilosus* BÖRNER, 1940
 743 *cembrae* BÖRNER, 1950
 744 *nigricola* (PAŠEK, 1953)
 745 *rileyi* (WILLIAMS, 1911)
 Genus: *Schizolachnus* MORDVILKO, 1909
 746 Species: *pineti* (FABRICIUS, 1781)
 Tribe: Lachnini HERRICH-SCHAEFFER, 1854
 Genus: *Lachnus* BURMEISTER, 1835
 747 Species: *pallipes* (HARTIG, 1841)²⁰
 748 *roboris* (LINNAEUS, 1758)
 Genus: *Maculolachnus* GAUMONT, 1920
 749 Species: *submacula* (WALKER, 1848)
 Genus: *Stomaphis* WALKER, 1870²¹
 Subgenus: *Parastomaphis* PAŠEK, 1953
 750 Species: *graffii* CHOLODKOVSKY, 1894
 751 *longirostris* (FABRICIUS, 1787)
 Subgenus: *Stomaphis* WALKER, 1870
 752 Species: *quercus* (LINNAEUS, 1758)
 753 *wojciechowskii* DEPA, 2012

- Genus: *Tuberolachnus* MORDVILKO, 1909
 Subgenus: *Tuberolachnus* MORDVILKO, 1909
 754 Species: *salignus* (GMELIN, 1790)
 Tribe: Tramini HERRICH-SCHAEFFER, 1854
 Genus: *Protrama* BAKER (A.C.), 1920
 755 Species: *flavescens* (KOCH, 1856)
 756 *longitarsus longitarsus* (FERRARI, 1872)
 757 *radicis* (KALTENBACH, 1843)
 758 *ranunculi* (DEL GUERCIO, 1909)
 Genus: *Trama* von Heyden, 1837
 Subgenus: *Neotrama* BAKER (A.C.), 1920
 759 Species: *caudata* DEL GUERCIO, 1909
 760 *maritima* (EASTOP, 1953)
 Subgenus: *Trama* von HEYDEN, 1837
 761 Species: *centaureae* BÖRNER, 1940
 762 *rara* MORDVILKO, 1908
trogodytes VON HEYDEN, 1837
 763 Subspecies: *pubescens* (KOCH, 1857)
 764 *trogodytes* VON HEYDEN, 1837

Taxonomix comments

¹ According to BLACKMAN & EASTOP (2015) *Daktulosphaira* SHIMER, 1866 = *Viteus* SHIMER, 1867.

² This species was included in the systematic reviews of Polish aphids by SZELEGIEWICZ (1978a), NAST et al. (1990), WEGIEREK & WOJCIECHOWSKI (2004) and OSIADACZ & HALAJ (2009, 2010) without any distributional data; its presence has now been confirmed: Katowice, *Acer pseudoplatanus* LINNAEUS, 173, 16.VI.2013, No 15/13/121, UŚ, leg. K. WIECZOREK.

³ According to GARCÍA PRIETO et al. (2004): “HILLE RIS LAMBERS (1966, pg. 125) established *Aphis davletshinae* to replace *A. althaeae* (NEVSKY, 1929) because he believed the latter to be a senior homonym of *althaea* HARRIS, 1776 (*nomen dubium* according to EASTOP & HILLE RIS LAMBERS, 1976, pg. 42). However, this was a mistake, opposed to what is stated in article 58.1 of the International Code of Zoological Nomenclature, Fourth Edition” (CINZ 2000). *A. davletshinae* should be *A. althaeae*.

⁴ According to GARCÍA PRIETO et al. (2004): “For two aphid species in the subfamily Aphidinae living on *Ballota* (one belonging to the genus *Aphis* and the other to *Brachycaudus*) SZELEGIEWICZ (1968) assigned the name *Aphis ballotae* to the latter and established the replacement name *balloticola* for the former. This was not the correct

choice as there are two specimens seen by PASSERINI (much later designated as lectotypes by HILLE RIS LAMBERS of *A. ballotae* PASSERINI, unpublished datum!), currently at the Natural History Museum – London, belonging to the group *frangulae/gossypii* of the genus *Aphis* (BLACKMAN, pers. comm., 2004)”.

Also, *Aphis balloticola* SZELEGIEWICZ, 1968 is a *nomen nudum* because when it was established as a new name for «*Aphis ballotae*: auct., non PASSERINI, 1860», SZELEGIEWICZ gave no description or indication: the bibliographic reference to SZULCZEWSKI is not sufficient as he (SZULCZEWSKI, 1950, pg. 34) did not provide any characters for his “Aphididae 34”. *A. balloticola* SZELEGIEWICZ should be *A. ballotae* PASSERINI and the former name has been excluded from the checklist.

⁵ According to GARCÍA PRIETO et al. (2004): “SZELEGIEWICZ (1961, pg. 303) established *Aphis stroyani* to replace *A. picridis* (BÖRNER, 1950) (junior secondary homonym of *A. picridis* FABRICIUS, 1775). However, this was a mistake, contrary to what is stated for the replacement of junior secondary homonyms in article 59.4 of the International Code of Zoological Nomenclature, Fourth Edition” (CINZ 2000). *A. stroyani* SZELEGIEWICZ should be *A. picridis* (BÖRNER).

⁶ The correct name for the rice root aphid is *Rhopalosiphum rufiabdominale* (SASAKI), not *rufiabdominalis* (mentioned by ŁABANOWSKI (2008) and OSIADACZ & HALAJ (2012)), because the gender of *Rhopalosiphum* is neuter (BLACKMAN & EASTOP 2011).

⁷ All former Pterocommatinae have been included in the tribe Macrosiphini WILSON, 1910 in accordance with VON DOHLEN et al. (2006). Not confirmed by NIETO NAFRÍA & FAVRET (2011) – the Pterocommatinae has the status of an independent subfamily; however, the authors in the update to the registers of family-group and genus group taxa of Aphidoidea (2014) included all former Pterocommatinae in Macrosiphini.

⁸ *Aulacorthum cylactis* BÖRNER, 1942 – according to BLACKMAN & EASTOP (2015) this is a good species, not the subspecies *Aulacorthum (Aulacorthum) solani cylactis* BÖRNER, 1942.

⁹ A morphometric and molecular study by COCUZZA et al. (2007) indicated that this species should be treated as a subspecies of *B. (A.) prunicola*.

¹⁰ According to the subgeneric classification by ANDREEV (2003) *Brachycaudus cardui* (LINNAEUS, 1758) belongs to the subgenus *Prunaphis*.

¹¹ According to the subgeneric classification by ANDREEV (2003) *Brachycaudus linariae* STROYAN, 1950 belongs to the subgenus *Scrophulaphis*.

¹² This species was included in the systematic reviews of Polish aphids by SZELEGIEWICZ (1978a), NAST et al. (1990), WEGIEREK & WOJCIECHOWSKI (2004) and OSIADACZ & HALAJ (2009, 2010) without any distribution data; its presence has now been confirmed. The locality of *Coloradoa huculaki* (Poland, Warszawa-Bielany, 27.06.1976,

SZELEGIEWICZ 1981, p. 85) is mentioned in “The Aphids (Homoptera, Aphidoidea) of the Hortobagy” (SZELEGIEWICZ 1981).

¹³ NIETO NAFRÍA & FAVRET 2011 gave full generic status to *Diphorodon* BÖRNER, 1939.

¹⁴ According to JENSEN (1997) *Sitobion* (*S.*) *dryopteridis* (HOLMAN, 1959), mentioned in OSIADACZ & HAŁAJ 2010, should be *Macrosiphum* (*M.*) *dryopteridis* (HOLMAN, 1959).

¹⁵ According to JENSEN (1997) *Sitobion* (*S.*) *equiseti* (HOLMAN, 1961), mentioned in OSIADACZ & HAŁAJ 2010, should be *Macrosiphum* (*M.*) *equiseti* (HOLMAN, 1961).

¹⁶ *Macrosiphum euphorbiellum* THEOBALD, 1917 (= *M. amygdaloides* THEOBALD, 1925). Synonymy established by WATSON (1982) (PhD thesis) and published in BLACKMAN 2010.

¹⁷ According to JENSEN (1997) *Sitobion* (*S.*) *ptericolens* (PATCH, 1919), mentioned in OSIADACZ & HAŁAJ 2010, should be *Macrosiphum* (*M.*) *ptericolens* PATCH, 1919.

¹⁸ According to NIETO NAFRÍA et al. (2009): “HILLE RIS LAMBERS never described the genus *Myzosiphon*, but EASTOP & HILLE RIS LAMBERS (1976: 378) used it as a subgenus of *Rhopalosiphoninus* BAKER, also failing to describe it, and it has continued to be used as such. As *Myzosiphon* is unavailable and cannot be valid (Code article 23.1), it requires a replacement name. The replacement name must be *Neorhopalosiphoninus* GHOSH & RAYCHAUDHURI (1968: 187), because it is the only available synonym”.

¹⁹ Krośnice, 27.VI.2013, No 06/13/135, UŚ, leg. Ł. DEPA.

²⁰ A morphometric and molecular study by MRÓZ et al. 2015 indicated that *L. longirostris* (MORDVILKO, 1909) is a synonym of *L. pallipes* (HARTIG, 1841).

²¹ *Parastomaphis* PAŠEK, 1953 stat. rev. (DEPA et al. 2015). On the basis of the structure of the apical part of antennomere VI (rounded apex in *Stomaphis* and nodulose apex in *Parastomaphis*) of the viviparous generation, PAŠEK (1953) subdivided the genus *Stomaphis* into two subgenera: *Stomaphis* and *Parastomaphis*, later treated as separate genera (SZELEGIEWICZ 1978b). Then *Parastomaphis* was synonymised with *Stomaphis* by EASTOP & HILLE RIS LAMBERS (1976) and current aphid taxonomy retains this taxon undivided as a single genus within the tribe Lachnini (NIETO NAFRÍA & FAVRET 2011). However, on the basis of the morphological characters of the sexuales, supported by biological data, in our opinion the taxonomic status of the subgenus *Parastomaphis* should be maintained.

ACKNOWLEDGEMENTS

The authors are sincerely grateful to STEPHANIE WRIGHT (BMNH, London, UK) for her linguistic assistance. We are also very grateful to the anonymous Reviewers and the Editor for all the valuable suggestions that have improved the manuscript.

REFERENCES

- ANDREEV A. 2003. The subgeneric classification of *Brachycaudus* VAN DER GOOT. [in:] J.C. SIMON, C.A. DEDRYVER, C. RISPE, M. HULLE (eds.). Aphids in a New Millenium, Inra Editions, Rennes, 111–117.
- BLACKMAN R.L. 2010. Handbooks for the identification of British insects 2, 7. Aphids – Aphidinae (Macrosiphini). Royal Entomological Society, London.
- BLACKMAN R.L., EASTOP V.F. 1994. Aphids on Natural History Museum, Wallingford.
- BLACKMAN R.L., EASTOP V.F. 2011. Additions and amendments to “Aphids on the World’s Plants”. Zootaxa 2774: 57–68.
- BLACKMAN R.L., EASTOP V.F. 2015. Aphids of the World’s Plants: An Online Identification and Information Guide. Internet: <http://www.aphidsonworldsplants.info> (Accessed 8 Jun. 2015)
- COCUZZA G., CAVALIERI V., JOUSSELIN E., COEUR D’ACIER A., BARBAGALLO S. 2007. Morphological and molecular analysis of *Brachycaudus*, subgenus *Appelia*-complex (Hemiptera: Aphididae). Redia 90: 33–49.
- COEUR D’ACIER A., PÉREZ HIDALGO N., PETROVIĆ-OBRAĐOVIĆ O. 2010. Chapter 9.2. Aphids (Hemiptera, Aphididae). [in:] A. ROQUES, M. KENIS, D. LEES, C. LOPEZ-VAAMONDE, W. RABITSCH, J.-Y. RASPLUS, D.B. ROY (eds.). Alien terrestrial arthropods of Europe. BioRisk 4(1): 435–474.
- CINZ [Comisión Internacional de Nomenclatura Zoológica] 2000. Código Internacional de Nomenclatura Zoológica Cuarta edición. Museo Nacional de Ciencias Naturales (CSIC), Madrid.
- DEPA Ł., KANTURSKI M., JUNKIERT Ł., WIECZOREK K. 2015. Giant females vs dwarfish males of the genus *Stomaphis* WALKER (Hemiptera: Aphididae) – an aphid example of the ongoing course to permanent parthenogenesis? Arthropod Systematics and Phylogeny 73(1): 19–40.
- EASTOP V.F., HILLE RIS LAMBERS D. 1976. Survey of the World's Aphids. W. Junk, The Hague.
- GARCÍA PRIETO F., PÉREZ HIDALGO N., MIER DURANTE M.P., NIETO NAFRÍA J.M. 2004. Updated check-list of Iberian-Balearic Aphidini (Hemiptera, Aphididae). Graellsia 60(2): 197–214.
- GHOSH A.K., RAYCHAUDHURI D.N. 1968. Aphids of Sikkim. Proceedings of the Zoological Society of Calcutta 21: 179–195.
- HILLE RIS LAMBERS D. 1966. Some synonyms in Aphididae. Entomologische Berichten 26: 124–126.
- JENSEN A.S. 1997. Redefinition of the aphid genus *Sitobion* MORDVILKO (Hemiptera: Aphididae) based on cladistics analyses, with emphasis on North American species. Systematic Entomology 22(4): 333–344.

- MRÓZ E., TRELA J., DEPA Ł. 2015. Taxonomic analysis of *Lachnus pallipes/longirostris-roboris* complex (Hemiptera, Aphididae, Lachninae), with the redescription of sexual morphs and new synonymy. *Zoologischer Anzeiger* **254**: 51–61.
- NAST J., CHUDZICKA E., KLIMASZEWSKI S.M., CZYŁOK A., WOJCIECHOWSKI W., KOTEJA J. 1990. Homoptera – pluskwiaki równoskrzydłe. [in:] J. RAZOWSKI (ed.). Tom I., część XXXII/1 20. Ossolineum, Wrocław – Warszawa – Kraków: 91–124.
- NIETO NAFRÍA J.M., FAVRET C., AKIMOTO S.-I., BARBAGALLO S., CHAKRABARTI S., MIER DURANTE M.P., MILLER G.L., PÉREZ HIDALGO N., QIAO G.-X., SANO M., STEKOLSHCHIKOV A., WEGIEREK P. 2009. Several Nomenclatural clarifications on genus-group names in the Aphididae (Hemiptera, Sternorrhyncha). *Redia* **92**: 119–123.
- NIETO NAFRÍA J.M., FAVRET C., AKIMOTO S.-I., BARBAGALLO S., CHAKRABARTI S., MIER DURANTE M.P., MILLER G.L., PÉREZ HIDALGO N., QIAO G.-X., SANO M., STEKOLSHCHIKOV A., WEGIEREK P. 2011. Register of genus-group taxa of Aphidoidea. [in:] J.M. NIETO NAFRÍA, C. FAVRET (eds.). Registers of Family-group and genus-group taxa of Aphidoidea (Hemiptera Sternorrhyncha). Universidad de León, León, 81–404.
- NIETO NAFRÍA J.M., FAVRET C. 2014. Update to the Registers of family-group and genus group taxa of Aphidoidea (Hemiptera, Sternorrhyncha). *Boletín de la Asociación Española de Entomología* **38**(1-2): 1–23.
- OSIADACZ B., HAŁAJ R. 2009. Polish Entomological Monographs, vol. 6. The Aphids (Hemiptera: Sternorrhyncha: Aphidinea) of Poland. A distributional checklist. Polish Entomological Society, Poznań.
- OSIADACZ B., HAŁAJ R. 2010. Silesian Natural History Monographs, vol. 1. Systematic Review of Aphids (Hemiptera: Sternorrhyncha: Aphidomorpha) of Poland with Host Plant Index. A Monographic Survey. Instytut Tarnogórski i Muzeum, Tarnowskie Góry.
- OSIADACZ B., HAŁAJ R. 2011. Alien and invasive species of oviparous aphids (Aphidomorpha: Adelgoidea, Phylloxeroidea) in Poland: characteristics and review. *Aphids and Other Hemipterous Insects* **17**: 31–40.
- OSIADACZ B., HAŁAJ R. 2012. The Update of “Systematic Review of Aphids (Hemiptera: Sternorrhyncha: Aphidomorpha) of Poland with Host Plant Index”. *Wiadomości Entomologiczne* **31**(4): 230–241.
- PAŠEK V. 1953. Contribution to the classification of Middle European Lachnidae (Homopt., Aphidoidea). *Věstník Československé Zoologické Společnosti* **17**(3): 149–176. (in Czech)
- SOIKA G., ŁABANOWSKI G. 2014. Invasive organisms recorded in Polish nursery gardens. Manual of detection of invasive mites and insects on the basis of their appearance and diagnostic features. Instytut Ogrodnictwa, Skierniewice. (in Polish)
- SZELEGIEWICZ H. 1961. Über zwei wenig bekannte mitteleuropäische Blattlausarten (Homoptera: Aphididae). *Bulletin de l'Académie Polonaise des Sciences (II)* **9**(7): 303–307.
- SZELEGIEWICZ H. 1968. Aphids. Aphidodea. *Catalogus faunae Poloniae* **21**(4): 1–316. (in Polish)
- SZELEGIEWICZ H. 1978a. A check list of the aphids of Poland. *Zeszyty Problemowe Postępów Nauk Rolniczych* **296**: 1–40. (in Polish)

- SZELEGIEWICZ H. 1978b. Aphids – Aphidoidea. Introduction and Lachnidae. Klucze do oznaczania owadów Polski **17**(5a): 1–107. (in Polish)
- SZELEGIEWICZ H. 1981. The aphids (Homoptera, Aphidoidea) of the Hortobagy. [in:] S. MAHUNKA (ed.). The fauna of the Hortobagy National Park. Volume I. Akadémiai Kiadó, Budapest, 77–87.
- SZULCZEWSKI J. 1950. Zooecidia of the Wielkopolski National Park. Prace Monograficzne nad Przyrodą Wielkopolskiego Parku Narodowego **2**: 141-178. (in Polish)
- VON DOHLEN C.D., ROWE C.A. HEIE O.E. 2006. A test of morphological hypotheses for tribal and subtribal relationships of Aphidinae (Insecta: Hemiptera: Aphididae) using DNA sequences. *Molecular Phylogenetic and Evolution* **38**(2): 316-329.
- WATSON G.W. 1982. A biometric, electrophoretic and caryotypic analysis of British species of *Macrosiphum* (Homoptera; Aphididae). PhD Thesis, University of London, London.
- WEGIEREK P., WOJCIECHOWSKI W. 2004. Sternorrhyncha. [in:] W. BOGDANOWICZ, E. CHUDZICKA, I. PILIPIUK, E. SKIBIŃSKA (eds.). Fauna Polski – Charakterystyka i wykaz gatunków. T. I. Muzeum i Instytut Zoologii PAN, Warszawa, 234–271.
- WIECZOREK K. 2011. Aphid species alien to Poland. *Polish Journal of Entomology* **80**(2): 203–224.

Received: 15 August 2015

Accepted: 29 October 2015