

## Systematic List of the Noctuoidea of Europe (Notodontidae, Nolidae, Arctiidae, Lymantriidae, Erebidae, Micronoctuidae, and Noctuidae)

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### Superfamily NOCTUOIDEA LATREILLE, 1809

#### Remarks to Classification

In the European List of Noctuidae (FIBIGER and HACKER, 1991) we refrained from writing a justification for subdividing the family into subfamilies and tribes. Our understanding of the classification of the family has progressed since then, but only to some extent therefore several paraphyletic or even polyphyletic groupings still remain in the Noctuidae (s.l.) and in the other families dealt with here. Most of the tribes listed here are monophyletic and we believe that most of them will stand the test of time. In groups where research is lasting, we refer to the latest knowledge available. For example the family Noctuidae has now been divided into three families, the Noctuidae, Micronoctuidae and Erebidae, these corresponding roughly to the groups previously called "quadrifid" and "trifid" noctuids. Ongoing research, however, suggests that the arctiid clade might be derived from within the Erebidae (WELLER and MITCHELL, pers. com.). Other important results have been published in the last 13 years, some of which are: KITCHING and RAWLINS (in KRISTENSEN, 1998); KITCHING and YELA (1999); SPEIDEL, FÄNGER and NAUMANN (1996); SPEIDEL and NAUMANN (1996); POOLE (1995, and his catalogue from 1989); the North American Moths of North America (MONA) book series: LAFONTAINE and POOLE (1991), POOLE (1995), LAFONTAINE (1998, 2004); BECK (1996, 1999, 2000); the volumes of the book series Noctuidae Europaeae (1990-2003); and many papers in Esperiana.

Systematists agree that the Noctuoidea form a monophyletic clade, which is supported by both structural and molecular research. Also the Notodontidae, Arctiidae, Lymantriidae, Nolidae (probably), and Noctuidae (sensu stricto – the "trifids"), are believed to be monophyletic groups. However, it appears probable that the Erebidae (the "quadrifids") are probably paraphyletic in that the arctiid/lymantriid clade is probably derived from within the Erebidae. Since 1991 some of the European subfamilies of the former "Noctuidae" have been removed and placed in the Nolidae, which was upgraded to family status, and some tribes have changed in classification among the Notodontidae, Arctiidae, Lymantriidae, Erebidae, Micronoctuidae, and Noctuidae. Finally, the Arctiidae have been shown to be a monophyletic family and are closely related to the Erebidae (MITCHELL et al., 2000; JACOBSEN and WELLER, 2001), and the tiny genus *Micronoctua* has been shown to belong to a new family, the Micronoctuidae, a family of many undescribed genera. The many changes in the classification within the superfamily resulted in the need to expand this new European list to include all of the Noctuoidea.

For the additional families included in the check list since 1991, we generally follow KITCHING and RAWLINS (1998) for the Lymantriidae, MILLER (1991) for the Notodontidae, and JACOBSEN and WELLER (2001) for the Arctiidae. Finally for the Erebidae and Noctuidae we refer to the list from 1991 with supplements (FIBIGER and HACKER, 1992, 1998), KITCHING and RAWLINS (1998), FIBIGER and SKULE (2004), and especially to the accompanying paper by FIBIGER and LAFONTAINE (2005) in this volume of Esperiana. This latter paper is the result of intensive work where lepidopterological traditions from both sides of the Atlantic – particularly initiated and encouraged by J. D. LAFONTAINE (Ottawa) – called for the necessity to evaluate and share knowledge, so that through collaboration, we could build the foundation for this new European list from a holarctic perspective.

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## Systematic order of the Families and Subfamilies of the European Noctuoidea

Name	number of species	page
Family <b>NOTODONTIDAE</b> STEPHENS, 1829		
Subfamily <b>THAUMETOPOEINAE</b> AURIVILLIUS, 1889	5	97
Subfamily <b>PYGAERINAE</b> DUPONCHEL, [1845]	6	97
Subfamily <b>NOTODONTINAE</b> STEPHENS, 1829		
Tribus <b>NOTODONTINI</b> STEPHENS, 1829	22	97
Tribus <b>DICRANURINI</b> DUPONCHEL, [1845]	13	98
Subfamily <b>PHALAERINAE</b> BUTLER, 1886	5	99
Subfamily <b>HETEROCAMPINAE</b> NEUMOGEN & DYAR, 1894	3	99
Family <b>NOLIDAE</b> BRUAND, 1846		
Subfamily <b>NOLINAE</b> BRUAND, 1846	21	99
Subfamily <b>CHLOEPHORINAE</b> STANTON, 1859		
Tribus <b>CHLOEPHORINI</b> STANTON, 1859	2	100
Tribus <b>SARROTHRIPINI</b> HAMPSON, 1894	7	100
Subfamily <b>EARIADINAE</b> HAMPSON, 1912	5	101
Family <b>ARCTIIDAE</b> LEACH, [1815]		
Subfamily <b>LITHOSIINAE</b> BILLBERG, 1820		
Tribus <b>LITHOSIINI</b> BILLBERG, 1820	39	101
Subfamily <b>SYNTOMINAE</b> HERRICH-SCHÄFFER, [1846]		
Tribus <b>SYNTOMINI</b> HERRICH-SCHÄFFER, [1846]	10	103
Subfamily <b>ARCTIINAE</b> LEACH, [1815]		
Tribus <b>ARCTIINI</b> LEACH, [1815]	47	103
Tribus <b>CALLIMORPHINI</b> WALKER, [1865]	12	106
Family <b>LYMANTRIIDAE</b> HAMPSON, [1893]		
Subfamily <b>LYMANTRIINAE</b> HAMPSON, [1893]	15	106
Tribus <b>LYMANTRIINI</b> HAMPSON, [1893]		
Tribus <b>LEUCOMINI</b> GROTE, 1895	1	107
Tribus <b>ORGYIINI</b> WALLENGREN, 1861	14	107
Family <b>EREBIDAE</b> LEACH, [1815] <sup>1</sup>		
Subfamily <b>RIVULINAE</b> GROTE, 1895	3	108
Subfamily <b>BOLETOBIINAE</b> GROTE, 1895	4	108
Subfamily <b>HYPENODINAE</b> FORBES, 1954	8	108
Subfamily <b>ARAEOPTERONINAE</b> FIBIGER, 2005 <sup>2</sup>	1	109
Subfamily <b>EUBLEMMINAE</b> FORBES, 1954		
Tribus <b>EUBLEMMINI</b> FORBES, 1954	38	109
Subfamily <b>HERMINIINAE</b> LEACH, [1815]	19	110
Subfamily <b>HYPENINAE</b> HERRICH-SCHÄFFER, [1851]	12	112

<sup>1</sup> MITCHELL et al. (1997; 2000); FIBIGER & LAFONTAINE (2005).

<sup>2</sup> In: FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

Name	number of species	page
Subfamily <b>PHYTOMETRINAE</b> HAMPSON, 1913	7	112
Subfamily <b>AVENTIINAE</b> TUTT, 1896	1	113
[Subfamily <b>EREBINAE</b> LEACH, [1815] <sup>3</sup>		
Subfamily <b>CALPINAE</b> BOISDUVAL, 1840		
Tribus <b>CALPINI</b> BOISDUVAL, 1840	1	113
Tribus <b>SCOLIOPTERYGINI</b> HERRICH-SCHÄFFER, [1852] <sup>4</sup>	1	113
Subfamily <b>CATOCALINAE</b> BOISDUVAL, [1828]		
Tribus <b>TOXOCAMPINI</b> GUENÉE, 1852	29	113
Tribus <b>ACANTHOLIPINI</b> FIBIGER & LAFONTAINE, 2005 <sup>5</sup>	1	114
Tribus <b>ARYTRURINI</b> FIBIGER & LAFONTAINE, 2005 <sup>6</sup>	1	114
Tribus <b>MELIPOTINI</b> GROTE, 1895 (= <b>SYNEDINI</b> FORBES, 1954) <sup>7</sup>	8	115
Tribus <b>EUCLIDIINI</b> GUENÉE, 1852 <sup>8</sup>	5	115
Tribus <b>OPHIUSINI</b> GUENÉE, 1837	18	115
Tribus <b>CATOCALINI</b> BOISDUVAL, [1828]	29	116
Subfamily <b>EUTELIINAE</b> GROTE, 1882 <sup>9</sup>	2	117
Family <b>MICRONOCTUINAE</b> FIBIGER, 2005 <sup>10</sup>	1	117
Family <b>NOCTUIDAE</b> LATREILLE, 1809 <sup>11</sup>		
Subfamily <b>PLUSIINAE</b> BOISDUVAL, [1828]		
Tribus <b>ABROSTOLINI</b> EICHLIN & CUNNINGHAM, 1978	5	118
Tribus <b>ARGYROGRAMMATINI</b> EICHLIN & CUNNINGHAM, 1978	9	118
Tribus <b>PLUSIINI</b> BOISDUVAL, [1828]		
Subtribus <b>AUTOPLUSIINA</b> KITCHING, 1987	7	118
Subtribus <b>EUCHACIINA</b> CHOU and LU, 1979	17	119
Subtribus <b>PLUSIINA</b> BOISDUVAL, [1828]	21	120
Subfamily <b>EUSTROTIINAE</b> GROTE, 1882	9	120
Subfamily <b>BAGISARINAE</b> CRUMB, 1956	2	121
Subfamily <b>ACONTIINAE</b> GUENÉE, 1841 <sup>12</sup>		
Tribus <b>ACONTIINI</b> GUENÉE, 1841	6	121
Tribus <b>ARMADINI</b> WILTSHIRE, 1961	2	122
Tribus <b>AEDIINI</b> BECK, 1960	2	122
Subfamily <b>PANTHEINAE</b> SMITH, 1898	3	122
Subfamily <b>DILOBINAE</b> AURIVILLIUS, 1889	1	122
Subfamily <b>RAPHIINAE</b> BECK, 1996	1	122
Subfamily <b>ACRONICTINAE</b> HEINEMANN, 1859	24	123
Subfamily <b>METOPONIINAE</b> HERRICH-SCHÄFFER, [1851] <sup>13</sup>	17	124
Subfamily <b>CUCULLIINAE</b> HERRICH-SCHÄFFER, [1850]	60	125

<sup>3</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana. No European species have yet been recognised yet.

<sup>4</sup> See FIBIGER & LAFONTAINE, 2005.

<sup>5</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana

<sup>6</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

<sup>7</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

<sup>8</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

<sup>9</sup> No members of Stictopterinae in Europe, - although *Zebeeba falsalis* is placed sometimes in Stictopterinae erroneously.

<sup>10</sup> In FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

<sup>11</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

<sup>12</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

<sup>13</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

Name	number of species	page
Subfamily <b>ONCOCNEMINAE</b> FORBES & FRANCLEMONT, 1954	59	126
Subfamily <b>AMPHIPYRINAE</b> GUENÉE, 1837	13	129
Subfamily <b>PSAPHIDINAE</b> GROTE, 1896		
Tribus <b>PSAPHIDINI</b> GROTE, 1896	12	130
Tribus <b>FERALIINI</b> POOLE, 1995	1	131
Subfamily <b>HELIOTHINAE</b> BOISDUVAL, [1828]	23	131
Subfamily <b>CONDICINAE</b> POOLE, 1995	6	132
Subfamily <b>ERIOPINAE</b> HERRICH-SCHÄFFER, [1851]	2	132
Subfamily <b>BRYOPHILINAE</b> GUENÉE, 1852	29	132
Subfamily <b>XYLENINAE</b> GUENÉE, 1837 <sup>14</sup>		
Tribus <b>PSEUDEUSTROTIINI</b> BECK, 1996	1	134
Tribus <b>PRODENIINI</b> FORBES, 1954	3	134
Tribus <b>ELAPHRINI</b> BECK, 1996	2	134
Tribus <b>CARADRININI</b> BOISDUVAL, 1840		
Subtribus <b>CARADRININA</b> BOISDUVAL, 1840	48	134
Subtribus <b>ATHETINA</b> FIBIGER & LAFONTAINE, 2005 <sup>15</sup>	5	136
Tribus <b>COSMIINI</b> GUENÉE, 1852	16	136
Tribus <b>DYPTERYGIINI</b> FORBES, 1954	12	137
Tribus <b>ACTINOTIINI</b> BECK, 1996	5	138
Tribus <b>PHLOGOPHORINI</b> HAMPSON, 1918	8	138
Tribus <b>APAMEINI</b> GUENÉE, 1841		
Subtribus <b>OXYTRYPIINA</b> GOZMANY, 1970	1	139
Subtribus <b>APAMEINA</b> GUENÉE, 1841	107	139
Subtribus <b>SESAMIINA</b> FIBIGER & GOLDSTEIN, 2005	2	143
Tribus <b>EPISEMINI</b> GUENÉE, 1852	16	143
Tribus <b>XYLENINI</b> GUENÉE, 1837		
Subtribus <b>XYLENINA</b> GUENÉE, 1837	76	144
Subtribus <b>ANTITYPINA</b> FORBES & FRANCLEMONT, 1954	69	148
Subfamily <b>HADENINAE</b> GUENÉE, 1837		
Tribus <b>ORTHOSIINI</b> GUENÉE, 1837	21	151
Tribus <b>THOLERINI</b> BECK, 1996	4	
Tribus <b>HADENINI</b> GUENÉE, 1837	119	153
Tribus <b>LEUCANIINI</b> GUENÉE, 1837	36	158
Tribus <b>ERIOPYGINI</b> FIBIGER & LAFONTAINE, 2005 <sup>15</sup>	7	159
Tribus <b>GLOTTULINI</b> GUENÉE, 1852	1	160
Subfamily <b>NOCTUINAE</b> LATREILLE, 1809		
Tribus <b>AGROTINI</b> RAMBUR, 1848		
Subtribus <b>AUSTRANDESIINA</b> ANGULO & OLIVARES, 1990	1	160
Subtribus <b>AGROTINA</b> RAMBUR, 1848	135	160
Tribus <b>NOCTUINI</b> LATREILLE, 1809		
Subtribus <b>AXYLIINA</b> FIBIGER & LAFONTAINE, 2005	3	165
Subtribus <b>NOCTUINA</b> LATREILLE, 1809	131	165
Total	1576	

<sup>14</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

<sup>15</sup> See FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana

**Family NOTODONTIDAE** STEPHENS, 1829

**Subfamily THAUMETOPOEINAE** AURIVILLIUS, 1889

**Genus *Thaumetopoea*** HÜBNER, [1820]

*processionea* (LINNAEUS, 1758)  
*solitaria* (FREYER, 1838)  
*pityocampa* ([DENIS & SCHIFFERMÜLLER], 1775)  
*pinivora* (TREITSCHKE, 1834)  
*herculeana* RAMBUR, 1866

**Subfamily PYGAERINAE** DUPONCHEL, [1845]

**Genus *Pygaera*** OCHSENHEIMER, 1810

*timon* (HÜBNER, [1803])

**Genus *Clostera*** SAMOUELLE, 1819

*curtula* (LINNAEUS, 1758)  
*albosigma* (FITCH, 1855)<sup>16</sup>  
*pigra* (HUFNAGEL, 1766)  
*anachoreta* ([DENIS & SCHIFFERMÜLLER], 1775)  
*anastomosis* (LINNAEUS, 1758)

**Subfamily NOTODONTINAE** STEPHENS, 1829

**Tribus NOTODONTINI** STEPHENS, 1829

**Genus *Notodonta*** OCHSENHEIMER, 1810

*dromedarius* (LINNAEUS, 1758)  
*torva* (HÜBNER, [1803])  
*tritophus* ([DENIS & SCHIFFERMÜLLER], 1775)  
*ziczac* (LINNAEUS, 1758)

**Genus *Drymonia*** HÜBNER, [1819]

*dodonaea* ([DENIS & SCHIFFERMÜLLER], 1775)  
*ruficornis* (HUFNAGEL, 1766)  
*obliterata* (ESPER, [1785])<sup>17</sup> (= *melagona* BORKHAUSEN, 1790)  
*querna* ([DENIS & SCHIFFERMÜLLER], 1775)  
*velitaris* (HUFNAGEL, 1766)

**Genus *Pheosia*** HÜBNER, 1819

*tremula* (CLERCK, 1759)  
*gnoma* (FABRICIUS, 1776)

<sup>16</sup> New to Europe from the Ural Mountains (K. NUPPONEN & FIBIGER, 2002). This Eastern Palaearctic species was previously known westward to the Sayan and Altai Mountains (SCHINTLMEISTER, 1984; K. NUPPONEN & FIBIGER, 2002).

<sup>17</sup> The lectotype of *obliterata* ESP. was designated by HACKER (1999).

**Genus *Paradrymonia*** KIRIAKOFF, 1967

*vittata* (STAUDINGER, 1892)

**Genus *Pterostoma*** GERMAR, 1812

*palpina* (CLERCK, 1759)

**Genus *Ptilophora*** STEPHENS, 1828

*plumigera* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Leucodonta*** STAUDINGER, 1892

*bicoloria* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Ptilodon*** HÜBNER, 1822

*capucina* (LINNAEUS, 1758)

*cucullina* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Odontosia*** HÜBNER, 1819

*carmelita* (ESPER, [1798])<sup>18</sup>

*sieversii* (MÉNÉTRIÉS, 1856)

**Genus *Rhegmatophila*** STANDFUSS, 1888

*alpina* (BELLIER, 1881)

*richelloi* HARTIG, 1939

**Genus *Gluphisia*** BOISDUVAL, 1829

*crenata* (ESPER, [1785])

**Tribus DICRANURINI** DUPONCHEL, [1845]

**Genus *Cerura*** SCHRANK, 1802

*vinula* (LINNAEUS, 1758)

*iberica* (TEMPLADO & ORTIZ, 1966)

*erminea* (ESPER, [1783])

*intermedia* (TEICH, 1896)<sup>19</sup>

*przewalskyi* (ALPHÉRAKY, 1882)<sup>20</sup>

**Genus *Furcula*** LAMARCK, 1816

*furcula* (CLERCK, 1759)

*bicuspis* (BORKHAUSEN, 1790)

*aeruginosa* (CHRISTOPH, 1873)<sup>21</sup>

<sup>18</sup> Year of description cf. HEPPNER (1981) and HACKER (1999).

<sup>19</sup> South Russia: Astrakhan district (SCHINTLMEISTER, 1982; ANIKIN et al., 2000a).

<sup>20</sup> South Russia: Uralsk district (SCHINTLMEISTER, 1982; ANIKIN et al., 2000a).

<sup>21</sup> South Russia: Astrakhan, Volgograd, Samara and Saratov districts (SCHINTLMEISTER, 1982; ANIKIN et al., 2000a).

*bifida* (BRAHM, 1787)  
*interrupta* (CHRISTOPH, 1867)<sup>22</sup>

**Genus *Euhampsonia*** DYAR, 1897

*cristata* (BUTLER, 1877)<sup>23</sup>

**Genus *Neoharpyia*** DANIEL, 1965

*verbasci* (FABRICIUS, 1798)

**Genus *Dicranura*** REICHENBACH, 1817

*ulmi* ([DENIS & SCHIFFERMÜLLER], 1775)

#### **Subfamily PHALAEERINAE BUTLER, 1886**

**Genus *Phalera*** HÜBNER, 1819

*bucephala* (LINNAEUS, 1758)  
*bucephalina* STAUDINGER, 1901  
*bucephaloides* (OCHSENHEIMER, 1810)

**Genus *Peridea*** STEPHENS, 1828

*anceps* (GOEZE, 1781)  
*korbi* (REBEL, 1918)<sup>24</sup>

#### **Subfamily HETEROCAMPINAE NEUMOGEN & DYAR, 1894**

**Genus *Stauropus*** GERMAR, 1812

*fagi* (LINNAEUS, 1758)

**Genus *Harpyia*** OCHSENHEIMER, 1810

*milhauseri* (FABRICIUS, 1775)

**Genus *Spatalia*** HÜBNER, 1819

*argentina* ([DENIS & SCHIFFERMÜLLER], 1775)

#### **Family NOLIDAE BRUAND, 1846<sup>25</sup>**

##### **Subfamily NOLINAE BRUAND, 1846**

<sup>22</sup> South Russia: Astrakhan, Volgograd and Saratov districts (SCHINTLMEISTER, 1982; ANIKIN et al., 2000a).

<sup>23</sup> This species with Pacific distribution was collected once in the Samara district of S Russia: Zhiguli (ANIKIN et al., 2000a). It is doubtful if it is resident in the western Palaearctic region.

<sup>24</sup> Romania (ssp. *herculeana* POPESCU-GORJ & CAPUSE, 1963) (SCHINTLMEISTER, 1982; 1989).

<sup>25</sup> The arrangement follows FIBIGER & SKULE (in press).

**Genus *Antennola*** de FREINA & WITT, 1984

*impura* (MANN, 1862)

**Genus *Meganola*** DYAR, 1898

*togatulalis* (HÜBNER, 1796)  
*strigula* ([DENIS & SCHIFFERMÜLLER], 1775)  
*kolbi* DANIEL, 1935<sup>26</sup>  
*gigantula* (STAUDINGER, 1879)  
*albula* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Nola*** LEACH, [1815]

*cucullatella* (LINNAEUS, 1758)  
*tutulella* ZERNY, 1927  
*confusalis* (HERRICH-SCHÄFFER, [1847])  
*cicatricalis* (TREITSCHKE, 1835)  
*harouni* WILTSHIRE, 1951<sup>27</sup>  
*aerugula* (HÜBNER, 1793)  
*crambiformis* REBEL, 1902<sup>27a</sup>  
*centonalis* HÜBNER, 1796; subsp. *holsatica* SAUBER, 1916<sup>28</sup>  
*karellica* (TENGSTRÖM, 1869)  
*dresnayi* (WARNECKE, 1946)  
*squalida* STAUDINGER, 1871  
*crisatula* (HÜBNER, 1793)  
*subchlamydula* STAUDINGER, 1871  
*chlamitulalis* (HÜBNER, [1813])  
*thymula* MILLIÈRE, 1867

**Subfamily CHLOEPHORINAE** STANTON, 1859

**Tribus CHLOEPHORINI** STANTON, 1859

**Genus *Bena*** BILLBERG, 1820

*bicolorana* (FUESSLY, 1775) (= *quercana* [DENIS & SCHIFFERMÜLLER], 1775; = *prasinana* auctt. nec LINNAEUS)<sup>29</sup>

**Genus *Pseudoips*** HÜBNER, 1822

*prasinana* (LINNAEUS, 1758) (= *fagana* FABRICIUS, 1781)<sup>30</sup>

**Tribus SARROTHRIPINI** HAMPSON, 1894

**Genus *Nycteola*** HÜBNER, 1822

*revayana* (SCOPOLI, 1772)  
*columbana* (TURNER, 1925)<sup>31</sup>

<sup>26</sup> The question whether *kolbi* DANIEL, 1935 deserves full species or being just a synonym or a subspecies of *strigula* ([DENIS & SCHIFFERMÜLLER], 1775) is unsolved. We follow the opinions of BESHKOV (2000) and RAKOSY & SZEKELY (1995) and treat it at species rank.

<sup>27</sup> This species occurs in the south and south-eastern islands of Greece (FIBIGER & KARSHOLT, 1998).

<sup>27a</sup> Type locality of *crambiformis* REBEL, 1902 is S Ural, Orenburg (ANIKIN et al., 2000) (pers. comm. K. NUPPONEN).

<sup>28</sup> FIBIGER & KARSHOLT (1998).

<sup>29</sup> MIKKOLA & HONEY (1993); FIBIGER & HACKER (1998).

<sup>30</sup> Stat. rev. (MIKKOLA & HONEY, 1993): lectotype designation by LEMPKE. Therefore the Linnean name has been interpreted incorrectly (FIBIGER & HACKER, 1998).

<sup>31</sup> Bracket.



*degenerana* (HÜBNER, [1799])  
*asiatica* (KRULIKOVSKY, 1904)  
*siculana* (FUCHS, 1899)  
*kuldzhana* OBRATSOV, 1953<sup>32</sup>

**Genus *Characoma*** WALKER, 1863

*nilotica* (ROGENHOFER, 1882)<sup>33</sup>

**Subfamily EARIADINAE** HAMPSON, 1912

**Genus *Earias*** HÜBNER, [1825]<sup>34</sup>

*clorana* (LINNAEUS, 1761)  
*albovenosana* OBERTHÜR, 1917<sup>35</sup>  
*syriacana* BARTEL, 1903<sup>36</sup>  
*vernana* (FABRICIUS, 1787)  
*insulana* (BOISDUVAL, 1833)

**Family ARCTIIDAE** LEACH, [1815]<sup>37</sup>

**Subfamily LITHOSIINAE** BILLBERG, 1820

**Tribus LITHOSIINI** BILLBERG, 1820

**Genus *Nudaria*** HAWORTH, 1809

*mundana* (LINNAEUS, 1761)

**Genus *Thumatha*** WALKER, 1866

*senex* (HÜBNER, 1808)

**Genus *Paidia*** HÜBNER, 1819

*rica* (FREYER, 1858)  
*griseola* (ROTHSCHILD, 1933)  
*cinerascens* HERRICH-SCHÄFFER, 1847

**Genus *Apaidia*** HAMPSON, 1900

*mesogona* (GODART, 1824)  
*rufeola* (RAMBUR, 1832)

<sup>32</sup> DUFAY (1958) stated records of this species from Russia, Sarepta. Further specimens were taken in the Urals (K. NUPPONEN & FIBIGER, in press).

<sup>33</sup> *Pardasena virgulana* (MABILLE, 1880): The statement about records from Malta is due to a misunderstanding. The reference concerns a specimen taken in England, most probably imported.

<sup>34</sup> The African taxon *E. biplaga* WALKER, a pest on cotton, has been recorded four times in Europe: three times in England - one of which could be a migrant (Martin HONEY, pers. comm.) - and one in Denmark, 2004, also taken on open land, and it could be a migrant.

<sup>35</sup> A revision of the taxonomic status of *albovenosana* is needed.

<sup>36</sup> A revision of the taxonomic status of *syriacana* is needed.

<sup>37</sup> See FIBIGER & LAFONTAINE (2005).

**Genus *Mitochrista*** HÜBNER, 1819

*miniata* (FORSTER, 1771)

**Genus *Cybosia*** HÜBNER, 1819

*mesomella* (LINNAEUS, 1758)

**Genus *Pelosia*** HÜBNER, 1819

*muscerda* (HUFNAGEL, 1766)

*obtusa* (HERRICH-SCHÄFFER, 1847)

*plumosa* (MABILLE, 1900)

**Genus *Atolmis*** HÜBNER, 1819

*rubricollis* (LINNAEUS, 1758)

**Genus *Lithosia*** FABRICIUS, 1798

*quadra* (LINNAEUS, 1758)

**Genus *Eilema*** HÜBNER, 1819

*depressa* (ESPER, [1787])

*griseola* (HÜBNER, 1803)

*lurideola* (ZINCKEN, 1817)

*complana* (LINNAEUS, 1758)

*pseudocomplana* (DANIEL, 1938)

*morosina* (HERRICH-SCHÄFFER, 1847)

*caniola* (HÜBNER, 1808)

*palliatella* (SCOPOLI, 1763)

*pygmaeola* (DOUBLEDAY, 1847)

*predotae* (SCHAWERDA, 1927)

*lutarella* (LINNAEUS, 1758)

*muscula* (STAUDINGER, 1899)

*sororcula* (HUFNAGEL, 1766)

*uniola* (RAMBUR, 1866)

*interpositella* STRAND, 1920

*albicosta* (ROGENHOFER, 1894)

*rungsi* (TOULGOET, 1960)

**Genus *Zobida*** BIRKET-SMITH, 1965

*bipuncta* (HÜBNER, 1824)

**Genus *Setema*** de FREINA & WITT, 1984

*cereola* (HÜBNER, 1803)

**Genus *Setina*** SCHRANK, 1802

*irrorella* (LINNAEUS, 1758)

*flavicans* (GEYER, 1836)

*alpestris* ZELLER, 1865

*aurita* (ESPER, [1787])

*cantabrica* (de FREINA & WITT, 1985)

*roscida* ([DENIS & SCHIFFERMÜLLER], 1775)

**Subfamily SYNTOMINAE** HERRICH-SCHÄFFER, [1846]

**Genus *Amata*** FABRICIUS, 1807

*phegea* (LINNAEUS, 1758)  
*ragazzii* (TURATI, 1917)  
*kruegeri* (RAGUSA, 1904)  
*nigricornis* (ALPHÉRAKY, 1883)<sup>38</sup>  
*caspia* (STAUDINGER, 1877)<sup>39</sup>  
*transcaspica* OBRATZSOV, 1966<sup>40</sup>  
*turgaica* OBRATZSOV, 1966<sup>41</sup>

**Genus *Dysauxes*** HÜBNER, 1819

*ancilla* (LINNAEUS, 1758)  
*famula* (FREYER, 1836)  
*punctata* (FABRICIUS, 1781)

**Subfamily ARCTIINAE** LEACH, [1815]

**Tribus ARCTIINI** LEACH, [1815]

**Genus *Ocnogyna*** LEDERER, 1853

*corsica* (RAMBUR, 1832)  
*baetica* (RAMBUR, 1836)  
*loewii* (ZELLER, 1846)  
*zoraida* (de GRASLIN, 1837)  
*parasita* (HÜBNER, 1790)

**Genus *Artimelia*** RAMBUR, 1866

*latreillei* (GODART, 1823)

**Genus *Chelis*** RAMBUR, 1866

*maculosa* (GERNING, 1780)  
*simplonica* (BOISDUVAL, 1840)  
*dahurica* (BOISDUVAL, 1843)<sup>42</sup>  
*caecilia* (KINDERMANN, 1853)<sup>42a</sup>

**Genus *Sibirarctia*** DUBATOLOV, 1987<sup>43</sup>

*kindermanni* (STAUDINGER, 1867)<sup>44</sup>

<sup>38</sup> S. Russia (ANIKIN et al., 2000a).

<sup>39</sup> S. Russia (ANIKIN et al., 2000a).

<sup>40</sup> Only known from the type series from South Russia: Uralsk region (ANIKIN et al., 2000a).

<sup>41</sup> Only known from the type series from South Russia: Uralsk region (ANIKIN et al., 2000a).

<sup>42</sup> S. Russia: Bashkiria reserve; S. Ural (DUBATOLOV, 1988; [1994]; 1996; ANIKIN et al., 2000a).

<sup>42a</sup> S. Ural: Moskovo, steppe hills 2 km to the west from the main flow of Ural River, 5.VII.2003 (leg. K. NUPPONEN) (K. NUPPONEN pers. comm.).

<sup>43</sup> Combination cf. DUBATOLOV (1987).

<sup>44</sup> Described from S. Russia: Orenburg district.

**Genus *Watsonarctia*** de FREINA & WITT, 1984

*deserta* (BARTEL, 1902) (= *casta* ESPER, [1785])

**Genus *Phragmatobia*** STEPHENS, 1828

*fuliginosa* (LINNAEUS, 1758)

*placida* (FRIVALDSKY, 1835)

*luctifera* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Cymbalophora*** RAMBUR, 1866

*rivularis* (MÉNÉTRIÉS, 1832)

*pubica* (ESPER, [1785])<sup>45</sup>

**Genus *Parasemia*** HÜBNER, 1820

*plantaginis* (LINNAEUS, 1758)

**Genus *Grammia*** RAMBUR, 1866

*qvenseli* (PAYKULL, 1793)<sup>45a</sup>

**Genus *Holoarctia*** FERGUSON, 1984

*cervini* (FALLOU, 1864)

*puengeleri* (O. BANG-HAAS, 1927)<sup>46</sup>

**Genus *Spilosoma*** CURTIS, 1825

*lutea* (HUFNAGEL, 1766)

*lubricipeda* (LINNAEUS, 1758)

*urticae* (ESPER, [1789])

**Genus *Hyphantria*** HARRIS, 1841

*cunea* (DRURY, 1773)

**Genus *Diaphora*** STEPHENS, 1827

*mendica* (CLERCK, 1759)

**Genus *Cycnia*** HÜBNER, 1818

*sordida* (HÜBNER, 1803)

*luctuosa* (GEYER, 1833)

**Genus *Lacydes*** WALKER, 1855

*spectabilis* (TAUSCHER, 1806)

<sup>45</sup> Year of description cf. HEPPNER (1981) and HACKER (1999).

<sup>45a</sup> Spelling: L. AARVIK, pers. comm.

<sup>46</sup> S. Russia: Ural (ANIKIN et al., 2000b); subsp. *puengeleri* occurs in the Urals; subsp. *fridolini* (TORSTENIUS, 1971) occurs in Swedish and Norwegian Lapland.

**Genus *Rhyparia*** HÜBNER, 1820

*purpurata* (LINNAEUS, 1758)

**Genus *Rhyparioides*** BUTLER, 1877

*metelkana* (LEDERER, 1861)

**Genus *Diacrisia*** HÜBNER, 1819

*sannio* (LINNAEUS, 1758)

**Genus *Hyphoraia*** HÜBNER, 1820

*aulica* (LINNAEUS, 1758)

*testudinaria* (FOURCROY, 1785)

*dejeani* (GODART, 1822)

**Genus *Pararctia*** SOTAVALTA, 1965

*lapponica* (THUNBERG, 1791)

*tundrana* (TSHISTJAKOV, 1990)<sup>47</sup>

**Genus *Sibirarctia*** DUBATOLOV, 1987

*kindermanni* (HAMPSON, 1901)<sup>47a</sup>

**Genus *Acerbia*** SOTAVALTA, 1965

*alpina* (QUENSEL, 1802)

**Genus *Borearctia*** DUBATOLOV, 1984

*menetriesi* (EVERSMANN, 1846)

**Genus *Pericallia*** HÜBNER, 1820

*matronula* (LINNAEUS, 1758)

**Genus *Arctia*** SCHRANK, 1802

*tigrina* (VILLERS, 1789)

*caja* (LINNAEUS, 1758)

*olschwangi* DUBATOLOV, 1990<sup>48</sup>

*flavia* (FUESLY, 1779)

*villica* (LINNAEUS, 1758)

*festiva* (HUFNAGEL, 1766)

<sup>47</sup> *Pararctia subnebulosa* (DYAR, 1899) is a nearctic species, which was mixed with *P. tundrana* (see eg. TSHISTJAKOV 1990 and DUBATOLOV's internet pages) in former times. Thus, *P. subnebulosa* is not an European species. *P. tundrana* is known from arctic regions of Russia, westward to Polar Ural (pers. comm. K. NUPPONEN). According to DUBATOLOV ([1994]; 1996) it was recorded also from North Russia: Murmansk, Arkhangelsk regions; Komi republic.

<sup>47a</sup> The species occurs in the Ural Mountains.

<sup>48</sup> *Arctia olschwangi* is known from Polar Ural, and the Southern part of Yamal Peninsula and Eastern Yakutia, altogether 6 exx. (pers. comm. K. NUPPONEN).

**Tribus CALLIMORPHINI WALKER, [1865]**

(= UTETHEISINI FORBES, 1960; = NYCTEMERINI WALKER, [1865]) (JACOBSON & WELLER, 2001)

**Genus *Callimorpha* LATREILLE, 1809**

*dominula* (LINNAEUS, 1758)

**Genus *Euplagia* HÜBNER, 1820**

*quadripunctaria* (PODA, 1761)

**Genus *Tyria* HÜBNER, 1819**

*jacobaeae* (LINNAEUS, 1758)

**Genus *Dodia* DYAR, 1901**

*albertae* DYAR, 1901<sup>49</sup>

**Genus *Spiris* HÜBNER, 1819**

*striata* (LINNAEUS, 1758)

**Genus *Coscinia* HÜBNER, 1819**

*cribraria* (LINNAEUS, 1758)

*bifasciata* (RAMBUR, 1832)

*mariarosae* EXPÓSITO, 1991

*benderi* (MARTEN, 1957)

*romeii* (SAGARRA, 1924)

*libyssa* (PÜNGELER, 1907)

**Genus *Utetheisa* HÜBNER, 1819**

*pulchella* (LINNAEUS, 1758)

**Family LYMANTRIIDAE HAMPSON, [1893]**

**Subfamily LYMANTRIINAE HAMPSON, [1893]**

**Tribus LYMANTRIINI HAMPSON, [1893]**

**Genus *Lymantria* HÜBNER, [1819]**

*monacha* (LINNAEUS, 1758)

*dispar* (LINNAEUS, 1758)

*atlantica* (RAMBUR, 1837)

*lapidocola* (HERRICH-SCHÄFFER, 1851)

**Genus *Ocneria* HÜBNER, [1819]**

*rubea* ([DENIS & SCHIFFERMÜLLER], 1775)

*eos* REISSER, 1962

*ledereri* (MILLIÈRE, 1868)

<sup>49</sup> North Russia: Murmansk, Arkhangelsk regions; Komi Republic; N. Ural (DUBATOLOV, [1994]; 1996).

**Genus *Albarracina*** STAUDINGER, 1883

*warionis* (OBERTHÜR, 1881)

**Genus *Parocneria*** DYAR, 1897

*detrita* (ESPER, [1785])

*terebinthi* (FREYER, 1838)

**Genus *Euproctis*** HÜBNER, [1819]

**Subgenus *Euproctis*** HÜBNER, [1819]

*chrysorrhoea* (LINNAEUS, 1758)

**Subgenus *Sphrageidus*** MAES, 1984

*similis* (FUESSLY, 1775)

**Genus *Penthophera*** GERMAR, 1812

*morio* (LINNAEUS, 1767)

**Genus *Casama*** WALKER, 1865

*innotata* (WALKER, 1855)<sup>50</sup>

**Genus *Arctornis*** GERMAR, 1810

*l-nigrum* (MÜLLER, 1764)

#### **Tribus LEUCOMINI** GROTE, 1895

**Genus *Leucoma*** HÜBNER, [1822]

*salicis* (LINNAEUS, 1758)

#### **Tribus ORGYIINI** WALLENGREN, 1861

**Genus *Dicallomera*** BUTLER, 1881

*fascelina* (LINNAEUS, 1758)

**Genus *Calliteara*** BUTLER, 1881

*pubibunda* (LINNAEUS, 1758)

*abietis* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Laelia*** STEPHENS, 1828<sup>51</sup>

*coenosa* (HÜBNER, [1808])

<sup>50</sup> SAMMUT (2000): Malta, Bnghisa, 23.X.1987 (leg. A. SEGUNA).

<sup>51</sup> This genus is often erroneously placed in the tribe Lymantriini.

**Genus *Gynaephora* HÜBNER, [1822]**

*selenitica* (ESPER, [1789])  
*groenlandica* (WOCKE, 1874) (= *G. lugens* KOZHANCHIKOV, 1948)<sup>51a</sup>

**Genus *Orgyia* OCHSENHEIMER, 1810**

*recens* (HÜBNER, [1819])  
*antiqua* (LINNAEUS, 1758)  
*antiquiodes* (HÜBNER, [1822])  
*aurilimbata* GUENÉE, 1835  
*trigotephras* BOISDUVAL, 1828  
*corsica* (BOISDUVAL, 1834)  
*rupestris* RAMBUR, 1832  
*dubia* (TAUSCHER, 1806)

**Family EREBIDAE LEACH, [1815]<sup>52</sup>**

**Subfamily RIVULINAE GROTE, 1895<sup>53</sup>**

**Genus *Rivula* GUENÉE, [1845]**

*tanitalis* REBEL, 1912<sup>53a</sup>  
*sericealis* (SCOPOLI, 1763)

**Genus *Zebeeba* KIRBY, 1892, comb. n.<sup>54</sup>**

*falsalis* (HERRICH-SCHÄFFER, 1839)

**Subfamily BOLETOBIINAE GROTE, 1895<sup>55</sup>**

**Genus *Parascotia* HÜBNER, [1825]**

*detersa* (STAUDINGER, 1892)  
*nisseni* TURATI, 1905<sup>56</sup>  
*lorai* AGENJO, 1967  
*fuliginaria* (LINNAEUS, 1761)

**Subfamily HYPENODINAE FORBES, 1954<sup>57</sup>**

**Genus *Hyphenodes* DOUBLEDAY, 1850**

*humidalis* DOUBLEDAY, 1850 (= *turfosalis* WOCKE, 1850)

<sup>51a</sup> *G. groenlandica* WOCKE, 1874) (= *G. lugens* KOZHANCHIKOV, 1948), was recorded in 1994 in the Polar Ural (leg. J. KULLBERG & J. JALAVA). The taxon is probably not conspecific with *Gynaephora rossii* (CURTIS, 1835) (pers. comm. K. NUPPONEN).

<sup>52</sup> The systematic order and sequence of tribes, genera, and species follow mainly FIBIGER & HACKER (1991, 1992, and 1998); KITCHING & RAWLINS (1998); FIBIGER & SKULE (2004), GOATER et al. (2003); and especially FIBIGER & LAFONTAINE (2005), - in this volume of *Esperiana*.

<sup>53</sup> We maintain this taxon at subfamily level because of character states in the larvae and in the genitalia of both sexes; see FIBIGER & LAFONTAINE (2005), - in this volume of *Esperiana*.

<sup>53a</sup> Recorded in Europe on Crete.

<sup>54</sup> This genus and species, formerly placed in the subfamily Stictopterinae, was transferred to the subfamily Rivulinae by SPEIDEL et al. (1996) (see FIBIGER & LAFONTAINE, 2005, - in this volume of *Esperiana*).

<sup>55</sup> FIBIGER & LAFONTAINE (2005), - in this volume of *Esperiana*.

<sup>56</sup> No brackets (FIBIGER & HACKER, 1998).

<sup>57</sup> See FIBIGER and LAFONTAINE, 2005.



*anatolica* SCHWINGENSCHUSS, 1938 (= *nigritalis* RONKAY, 1984)<sup>58</sup>  
*orientalis* STAUDINGER, 1901 (= *nesiota* REBEL, 1916)<sup>59</sup>  
*kalchbergi* STAUDINGER, 1876

**Genus *Schrankia*** HÜBNER, [1825]

*costaestrigalis* (STEPHENS, 1834) (= *hartigi* BERIO, 1991)<sup>60</sup>  
*intermedialis* REID, 1972<sup>61</sup>  
*taenialis* (HÜBNER, [1809])  
*balneorum* (ALPHÉRAKY, 1880)<sup>62</sup>

**Subfamily ARAEOPTERONINAE** FIBIGER, 2005<sup>63</sup>

**Genus *Araeopteron*** HAMPSON, 1893<sup>64</sup>

*ecphaea* (HAMPSON, 1914)<sup>65</sup>

**Subfamily EUBLEMMINAE** FORBES, 1954<sup>66</sup>

**Tribus EUBLEMMINI** FORBES, 1954

**Genus *Calymma*** HÜBNER, [1823]

*communimacula* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Odice*** HÜBNER, [1823]

*arcuinna* (HÜBNER, 1790)  
*blandula* (RAMBUR, 1858)  
*pergrata* (RAMBUR, 1858)  
*suava* (HÜBNER, [1813])  
*jucunda* (HÜBNER, [1813])

**Genus *Eublemma*** HÜBNER, [1821] (= *Coccidiphaga* SPULER, 1907)<sup>67</sup>

*minutata* (FABRICIUS, 1794) (= *noctualis* HÜBNER, 1796)  
*viridula* (GUENÉE, 1841)  
*caprearum* (DRAUDT, 1933)<sup>68</sup>  
*elychrysi* (RAMBUR, 1833)

<sup>58</sup> Synonymy cf. NOWACKI & FIBIGER (1996); FIBIGER & HACKER (1998).

<sup>59</sup> With reference to the list from Cyprus in *Esperia* (FIBIGER, NILSSON & SVENDSEN, 1998).

<sup>60</sup> Synonymy cf. FIBIGER & HACKER (1998).

<sup>61</sup> This taxon is probably a hybrid, - under revision (FIBIGER, in prep.).

<sup>62</sup> Ukraine, Crimea and Ural (NUPPONEN & FIBIGER, 2002).

<sup>63</sup> The tribe is under revision. The character states of the tribe are described by FIBIGER & LAFONTAINE (2005), and in detail by FIBIGER & HACKER (2001). The tribe includes approximately 150 species distributed worldwide, most of which are undescribed (FIBIGER, in prep.).

<sup>64</sup> New genus for the European fauna. Its exact position close to Eublemminae and Acontiinae is yet uncertain and under revision (FIBIGER & HACKER, 2001).

<sup>65</sup> FIBIGER & AGASSIZ (2001). Greece and Spain: Mallorca. Now also found in the mainland of Spain, and in Italy, incl. Sicily (leg. S. BELLA, M. FIBIGER, O. KARSHOLT & G. JEPPESEN; and new to France from Corsica, Sept. 2003 (leg. D. NILSSON & P. SKOU). Either the species is spreading rapidly, or it has received intensified attention recently.

<sup>66</sup> Transferred from the 'trifine' (Noctuidae, s.s.) to the 'quadrifine' (Erebinae) (FIBIGER & LAFONTAINE, 2005); and partly revised, upgraded to subfamily rank, with autapomorphies listed in FIBIGER & HACKER (2002).

<sup>67</sup> Synonym of *Eublemma* HÜBNER, [1821] (FIBIGER & HACKER, 2002).

<sup>68</sup> Bona species. (FIBIGER, in press).

*pulchralis* (VILLERS, 1789) (= *candidana* FABRICIUS, 1794; = *rectifascia* de JOANNIS, 1909)<sup>69</sup>  
*ochreola* (STAUDINGER, 1900) (= *thurneri* ZERNY, 1936)<sup>70</sup>  
*ostrina* (HÜBNER, [1808])  
*porphyrinia* (FREYER, 1845)  
*parva* (HÜBNER, [1808])  
*debilis* (CHRISTOPH, 1884)<sup>71</sup>  
*panonica* (FREYER, 1840)  
*amasina* (EVERSMANN, 1842)  
*rosea* (HÜBNER, 1790)<sup>72</sup>  
*amoena* (HÜBNER, [1803]) (= *E. respersa* sensu auct. nec [D & S.], 1775)<sup>73</sup>  
*purpurina* ([DENIS & SCHIFFERMÜLLER], 1775)  
*pura* (HÜBNER, [1813])  
*himmighoffeni* (MILLIÈRE, 1867)  
*pallidula* (HERRICH-SCHÄFFER, 1856)  
*straminea* (STAUDINGER, 1892)  
*hansa* (HERRICH-SCHÄFFER, 1851)<sup>74</sup>  
*gratiosa* (EVERSMANN, 1854)  
*candicans* (RAMBUR, 1858)<sup>75</sup>  
*albida* (DUPONCHEL, 1843) (= *albicans* GUENÉE, 1852; = *gueneei* SPULER, 1907)<sup>76</sup>  
*parallela* (FREYER, 1842)  
*pusilla* (EVERSMANN, 1837) (= *concinnulla* HERRICH-SCHÄFFER, 1851)  
*polygramma* (DUPONCHEL, [1842])  
*ragusana* (FREYER, 1844)  
*scitula* (RAMBUR, 1833) (= *turatii* BERIO, 2002)<sup>77</sup>

**Genus *Rhypagla* NYE, 1975**

*lacernaria* (HÜBNER, [1813])

**Genus *Metachrostis* HÜBNER, [1820]**

*velox* (HÜBNER, [1813]) (= *velocissima* TURATI, 1926)  
*velocior* (STAUDINGER, 1892)  
*dardouini* (BOISDUVAL, 1840)

**Subfamily HERMINIINAE LEACH, [1815]**

**Genus *Orectis* LEDERER, 1857**

*massiliensis* (MILLIÈRE, [1864]) (= *euprepiata* DANNEHL, 1933)<sup>78</sup>  
*proboscidata* (HERRICH-SCHÄFFER, [1851]) (= *barteli* TURATI, 1907)<sup>79</sup>

<sup>69</sup> Synonym (LERAUT, 1997).

<sup>70</sup> Synonym cf. HACKER (1999e).

<sup>71</sup> SE. Russia: one ♂ (ZI St. Petersburg); 1 ♂ (Zool. Mus. Novosibirsk) (FIBIGER & HACKER, 1998).

<sup>72</sup> *Phalaena rosea* HÜBNER, 1790 is not a homonym of *Phalaena rosea* sensu FOURCROY, 1785, as the latter is a misidentification of *Bombyx rosea* FABRICIUS, 1775, a junior synonym of *Mitlochrista miniata* (FORSTER, 1771) (HONEY, in litt.) (cf. KARSHOLT, in: KARSHOLT & RAZOWSKI, 1996) (FIBIGER & HACKER, 1998).

<sup>73</sup> Misidentification, originated from HÜBNER, who himself corrected it (HONEY, in litt.) (cf. KARSHOLT, in: KARSHOLT & RAZOWSKI, 1996; FIBIGER & HACKER, 1998).

<sup>74</sup> Bona species (HACKER, 1999e; FIBIGER & HACKER, 2004).

<sup>75</sup> Name of species (cf. FIBIGER & HACKER, 1998). Rediscovered in southern Spain, after more than 100 years of virtual absence (PENNY HALE, pers. comm.).

<sup>76</sup> Synonyms (KARSHOLT, in: KARSHOLT & RAZOWSKI, 1996; FIBIGER & HACKER, 1998).

<sup>77</sup> FIBIGER & HACKER (2002) syn.

<sup>78</sup> RAINERI & ZILLI (1995); FIBIGER & HACKER (1998).

<sup>79</sup> RAINERI & ZILLI (1995); FIBIGER & HACKER (1998).

**Genus *Idia*** HÜBNER, [1813]

*calvaria* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Simplicia*** GUENÉE, 1854

*rectalis* (EVERSMANN, 1842)

**Genus *Paracolax*** HÜBNER, [1825]

*tristalis* (FABRICIUS, 1794) (= *glaucinalis* auct., nec LINNAEUS, 1758, nec [DENIS & SCHIFFERMÜLLER], 1775; = *derivalis* HÜBNER, 1796)

**Genus *Nodaria*** GUENÉE, 1854

*nodosalis* (HERRICH-SCHÄFFER, [1851])

**Genus *Macrochilo*** HÜBNER, [1825]

*cribrumalis* (HÜBNER, 1793)

**Genus *Herminia*** LATREILLE, 1802

*tarsipennalis* TREITSCHKE, 1835

*tarsicrinalis* (KNOCH, 1782)

*flavicrinalis* ANDREAS, 1910 (= *flavicrinaloides* POOLE, 1989; = *gigantea* TURATI, 1911)

*grisealis* ([DENIS & SCHIFFERMÜLLER], 1775)

*tenuialis* (REBEL, 1899)

**Genus *Polypogon*** SCHRANK, 1802

*tentacularia* (LINNAEUS, 1758)

*gryphalis* (HERRICH-SCHÄFFER, 1851)

**Genus *Pechipogo*** HÜBNER, 1825

*strigilata* (LINNAEUS, 1758) (= *barbalis* CLERCK, 1759)

*plumigeralis* (HÜBNER, [1825]) (= *crinalis* TREITSCHKE, 1829)<sup>80</sup>

*simplicicornis* (ZERNY, 1935)<sup>81</sup>

**Genus *Zanclognatha*** LEDERER, 1857

*lunalis* (SCOPOLI, 1763)

*zelleralis* (WOCKE, 1850)

<sup>80</sup> YELA, HONEY & RONKAY (1997); FIBIGER & HACKER (1998).

<sup>81</sup> YELA, HONEY & RONKAY (1997); FIBIGER & HACKER (1998).

**Subfamily HYPENINAE** HERRICH-SCHÄFFER, [1851]

**Genus *Zekelita*** WALKER, 1863 (= *Rhynchodontodes* WARREN, 1913)<sup>82</sup>

**Subgenus *Rhynchodontodes*** WARREN, 1913

*antiqualis* (HÜBNER, [1809])

**Subgenus *Ravalita*** LÖDL & MAYERL, 1998

*ravulalis* (STAUDINGER, 1879)

*ravalis* (HERRICH-SCHÄFFER, 1851) (= *revolutalis* ZELLER, 1852)<sup>83</sup>

**Genus *Hypena*** SCHRANK, 1802

**Subgenus *Hypena*** SCHRANK, 1802

*proboscidalis* (LINNAEUS, 1758)

*rostralis* (LINNAEUS, 1758)

*obesalis* TREITSCHKE, 1829

*obsitalis* (HÜBNER, [1813])

*palpalis* (HÜBNER, 1796) (= *extensalis* GUENÉE, 1854)

*munitalis* MANN, 1861

*opulenta* (CHRISTOPH, 1877)

*lividalis* (HÜBNER, 1796)

**Subgenus *Bomolocha*** HÜBNER, [1825]

*crassalis* (FABRICIUS, 1787)

**Subfamily PHYTOMETRINAE** HAMPSON, 1913<sup>84</sup>

**Genus *Phytometra*** HAWORTH, 1809

*luna* ZERNY, 1927

*sanctiflorentis* (BOISDUVAL, 1834)

*viridaria* (CLERCK, 1759)

*amata* (BUTLER, 1878)<sup>85</sup>

**Genus *Raparna*** MOORE, 1882

*conicephala* (STAUDINGER, 1870)

**Genus *Colobochyla*** HÜBNER, [1825]

*salicalis* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Trisateles*** TAMS, 1939

*emortualis* ([DENIS & SCHIFFERMÜLLER], 1775)

<sup>82</sup> LÖDL & MAYERL (1998), FIBIGER & HACKER (1998).

<sup>83</sup> LÖDL & MAYERL (1998), FIBIGER & HACKER (1998). Apart from the population of SE European Russia, this species occurs also in Greece on Samos (leg. P. SVENDSEN), and on the Dodokanesian Islands, Leros, Kalymnos, and Rhodos (leg. FIBIGER, JEPPESEN, MADSEN & NILSSON).

<sup>84</sup> FIBIGER & LAFONTAINAE (2005),-in this volume of Esperiana.

<sup>85</sup> This species of Eastern Palearctic distribution was surprisingly found in Slovenia (3 males). Whether or not its presence in Europe is autochthonous cannot be decided at present (KÜHNE, 1997; FIBIGER & HACKER, 1998).

**Subfamily AVENTIINAE** TUTT, 1896<sup>86</sup>

**Genus *Laspeyria*** GERMAR, 1810

*flexula* ([DENIS & SCHIFFERMÜLLER], 1775)

**Subfamily CALPINAE** BOISDUVAL, 1840<sup>87</sup>

**Tribus CALPINI** BOISDUVAL, 1840

**Genus *Calyptra*** OCHSENHEIMER, 1816

*thalictri* (BORKHAUSEN, 1790)

**Tribus SCOLIOPTERYGINI** HERRICH-SCHÄFFER, [1852]

**Genus *Scoliopteryx*** GERMAR, 1810

*libatrix* (LINNAEUS, 1758)

**Subfamily CATOCALINAE** BOISDUVAL, [1828]<sup>88</sup>

**Tribus TOXOCAMPINI** GUENÉE, 1852

**Genus *Chrysorithrum*** BUTLER, 1878

*flavomaculata* (BREMER, 1861)

**Genus *Exophyla*** GUENÉE, 1841<sup>89</sup>

*rectangularis* (GEYER, [1828])

**Genus *Anumeta*** WALKER, 1858

*atrosignata* WALKER, 1858

*spilota* (ERSCHOV, 1874)<sup>90</sup>

*henkei* STAUDINGER, 1877

*fractistrigata* ALPHÉRAKY, 1882

*cestis* (MÉNÉTRIÉS, 1848)

**Genus *Lygephila*** BILLBERG, 1820

*lusoria* (LINNAEUS, 1758)

*lubrica* (FREYER, 1846)

*ludicra* (HÜBNER, 1790)

*glycyrrhizae* (RAMBUR, 1866)

<sup>86</sup> FIBIGER & LAFONTAINAE (2005),-in this volume of Esperiana.

<sup>87</sup> FIBIGER & LAFONTAINAE (2005),-in this volume of Esperiana.

<sup>88</sup> General arrangement see GOATER, RONKAY and FIBIGER, (2003); the new arrangement of the tribes is following FIBIGER & LAFONTAINAE (2005),-in this volume of Esperiana.

<sup>89</sup> Spelling.

<sup>90</sup> Bona species (GOATER, RONKAY & FIBIGER, 2003).

*fonti* YELA & CALLE, [1990]<sup>91</sup>  
*pastinum* (TREITSCHKE, 1826)  
*viciae* (HÜBNER, [1822])  
*craccae* ([DENIS & SCHIFFERMÜLLER], 1775) (= *herrerai* YELA, 1990)<sup>92</sup>  
*procax* (HÜBNER, [1813]) (= *limosa* TREITSCHKE, 1826)

**Genus *Tathorhynchus*** HAMPSON, 1894<sup>93</sup>

*exsiccata* (LEDERER, 1855)

**Genus *Autophila*** HÜBNER, [1823]

**Subgenus *Autophila*** HÜBNER, [1823]

*hirsuta* (STAUDINGER, 1870)  
*libanotica* (STAUDINGER, 1901)<sup>94</sup>  
*limbata* (STAUDINGER, 1871)  
*dilucida* (HÜBNER, [1808])  
*asiatica* (STAUDINGER, 1888)  
*rosea* (STAUDINGER, 1888)<sup>95</sup>

**Subgenus *Cheirophanes*** BOURSIN, 1955

*cataphanes* (HÜBNER, [1813])  
*anaphanes* BOURSIN, 1940  
*chamaephanes* BOURSIN, 1940<sup>96</sup>  
*ligaminosa* (EVERSMANN, 1851)  
*maura* (STAUDINGER, 1888)<sup>97</sup>

**Genus *Apopestes*** HÜBNER, [1823]

*spectrum* (ESPER, [1787])

**Tribus ACANTHOLIPINI** FIBIGER & LAFONTAINE, 2005<sup>98</sup>

**Genus *Acantholipes*** LEDERER, 1857

*regularis* (HÜBNER, [1813])

**Tribus ARYTRURINI** FIBIGER & LAFONTAINE, 2005<sup>99</sup>

**Genus *Arytrura*** JOHN, 1912

*musculus* (MÉNÉTRIÉS, 1859)

<sup>91</sup> Year of publication (Misc. Zool. 12: 205).

<sup>92</sup> Year of publication; *herrerai* YELA, 1990 is a synonym of *L. craccae* ([DENIS & SCHIFFERMÜLLER], 1775) (GOATER, RONKAY & FIBIGER, 2003).

<sup>93</sup> Raised again to generic level, see FIBIGER and LAFONTAINE (2005).

<sup>94</sup> FIBIGER (1992a).

<sup>95</sup> Now six more specimens from Malta (Paul SAMMUT, Antony SEGUNA, and Aldo CATANIA pers. comm.).

<sup>96</sup> BOURSIN (1955) and FIBIGER & HACKER (1992; 1998): South Russia: Kamenka near Saratov; also reported from the South Ural Mountains of Russia (NUPPONEN & FIBIGER, 2002).

<sup>97</sup> Recorded from Malta (SAMMUT, 1984; FIBIGER & HACKER, 1998).

<sup>98</sup> See FIBIGER and LAFONTAINE (2005).

<sup>99</sup> See GOATER, RONKAY and FIBIGER (2003).

**Tribus MELIPOTINI** GROTE, 1895 (= SYNEDINI FORBES, 1954)<sup>100</sup>

**Genus *Drasteria*** HÜBNER, 1818 (= *Protomelipotis* BERIO, 2002, **syn. n.**)<sup>101</sup>

*flexuosa* (MÉNÉTRIÉS, 1848)  
*tenera* (STAUDINGER, 1877)  
*caucasica* (KOLENATI, 1846)  
*picta* (CHRISTOPH, 1877)  
*cailino* (LEFEBVRE, 1827)  
*saisani* (STAUDINGER, 1882)  
*sesquistria* (EVERSMANN, 1854)  
*rada* (BOISDUVAL, 1848)

**Tribus EUCLIDIINI** GUENÉE, 1852<sup>102</sup>

**Genus *Euclidia*** OCHSENHEIMER, 1816<sup>103</sup>

**Subgenus *Euclidia*** OCHSENHEIMER, 1816

*glyphica* (LINNAEUS, 1758)

**Subgenus *Callistege*** HÜBNER, [1823]

*mi* (CLERCK, 1759)  
*fortalitium* (TAUSCHER, 1809)

**Subgenus *Gonospileia*** HÜBNER, [1823]

*munita* (HÜBNER, [1813])  
*triquetra* ([DENIS & SCHIFFERMÜLLER], 1775)

**Tribus OPHIUSINI** GUENÉE, 1837<sup>104</sup>

**Genus *Catephia*** OCHSENHEIMER, 1816

*alchymista* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Zethes*** RAMBUR, 1833

*insularis* RAMBUR, 1833

**Genus *Pericyma*** HERRICH-SCHÄFFER, [1851]

*albidentaria* (FREYER, 1842)

**Genus *Heteropalpia*** BERIO, 1939

*acrosticta* (PÜNGELER, 1904)<sup>105</sup>

<sup>100</sup> See GOATER, RONKAY and FIBIGER (2003) and FIBIGER and LAFONTAINE (2005).

<sup>101</sup> *Protomelipotis* BERIO, 2002 was described with *sesquistria* (EVERSMANN, 1854) as its type species.

<sup>102</sup> See FIBIGER and LAFONTAINE (2005).

<sup>103</sup> Arrangement of subgenera and species following GOATER, RONKAY & FIBIGER (2003).

<sup>104</sup> See GOATER, RONKAY and FIBIGER (2003).

<sup>105</sup> Recorded from Malta (leg. SAMMUT) (GOATER, RONKAY & FIBIGER, 2003).

**Genus *Pandesma*** GUENÉE, 1852

*robusta* (WALKER, [1858])

**Genus *Cerocala*** BOISDUVAL, 1828

*scapulosa* (HÜBNER, [1808])

*algiriae* OBERTHÜR, 1876 (= *insana* HAMPSON, 1913 nec HERRICH-SCHÄFFER, 1858, nec STAUDINGER, 1871)<sup>106</sup>

**Genus *Ophiusa*** OCHSENHEIMER, 1816

*tirhaca* (CRAMER, 1777)

**Genus *Minucia*** MOORE, [1885]

*lunaris* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Clytie*** HÜBNER, [1823]

*delunaris* (STAUDINGER, 1889)<sup>107</sup>

*illunaris* (HÜBNER, [1813])<sup>108</sup>

*gracilis* (BANG-HAAS, 1907)<sup>109</sup>

*syriaca* (BUGNION, 1837)

**Genus *Dysgonia*** HÜBNER, [1823]

*rogenhoferi* (BOHATSCH, 1880)<sup>110</sup>

*torrida* (GUENÉE, 1852)

*algira* (LINNAEUS, 1767)

**Genus *Grammodes*** GUENÉE, 1852 (= Genus *Prodotis* JOHN, 1910)

*bifasciata* (PETAGNA, 1787)

*stolida* (FABRICIUS, 1775)

**Tribus *CATOCALINI*** BOISDUVAL, [1828]<sup>111</sup>

**Genus *Catocala*** SCHRANK, 1802

**Subgenus *Catocala*** SCHRANK, 1802

*fulminea* (SCOPOLI, 1763)

*nymphaea* (ESPER, [1787])

*eutychea* (TREITSCHKE, 1835)

*mariana* RAMBUR, 1858

*disjuncta* (GEYER, [1828])

<sup>106</sup> Taxonomy cf. GOATER, RONKAY & FIBIGER (2003) or HACKER (2001).

<sup>107</sup> Within the revision of the genus *Clytie* HBN. (HACKER, 2001) not mentioned for the European fauna, but reported by LVOVSKI (1971) from S Russia: Astrakhan. See GOATER, RONKAY and FIBIGER (2003).

<sup>108</sup> *C. sancta* (STAUDINGER, 1898) has never been found in Europe (cf. the revision of the genus *Clytie* HBN.; HACKER, 2001).

<sup>109</sup> Revision of the genus *Clytie* HÜBNER, [1823] (HACKER, 2001); also reported from the South Ural Mountains of Russia (NUPPONEN & FIBIGER, 2002).

<sup>110</sup> Reported by LVOVSKI (1971) from S Russia: Astrakhan. See GOATER, RONKAY and FIBIGER (2003).

<sup>111</sup> See GOATER, RONKAY and FIBIGER (2003).



*separata* (FREYER, 1848)<sup>112</sup>  
*conversa* (ESPER, [1787])  
*neonympha* (ESPER, [1805])  
*nymphagoga* (ESPER, [1787])  
*brandti* (HACKER & KAUTT, 1999)<sup>113</sup>  
*diversa* (GEYER, [1828])  
*hymenaea* ([DENIS & SCHIFFERMÜLLER], 1775)  
*fraxini* (LINNAEUS, 1758)  
*conjuncta* (ESPER, [1787])  
*adultera* MÉNÉTRIÉS, 1856  
*nupta* (LINNAEUS, 1767)  
*electa* (VIEWEG, 1790)  
*elocata* (ESPER, [1787])  
*oberthueri* (AUSTAUT, 1879)<sup>114</sup>  
*deducta* EVERSMANN, 1843  
*puerpera* (GIORNA, 1791)  
*orientalis* STAUDINGER, 1877<sup>115</sup>  
*dilecta* (HÜBNER, [1808])  
*sponsa* (LINNAEUS, 1767)  
*promissa* ([DENIS & SCHIFFERMÜLLER], 1775)  
*detrita* WARREN, 1913  
*lupina* HERRICH-SCHÄFFER, [1851]  
*pacta* (LINNAEUS, 1758)  
*optata* (GODART, 1824)

#### Subfamily EUTELIINAE GROTE, 1882

##### Genus *Eutelia* HÜBNER, [1823]

*adulatrix* (HÜBNER, [1813])  
*adoratrix* (STAUDINGER, 1892)

#### Family MICRONOCTUIDAE FIBIGER, 2005<sup>116</sup>

##### Genus *Micronoctua* FIBIGER, 1997

*karsholti* FIBIGER, 1997<sup>117</sup>

#### Family NOCTUIDAE LATREILLE, 1809<sup>118</sup>

##### Subfamily PLUSIINAE BOISDUVAL, [1828]<sup>119</sup>

<sup>112</sup> *C. separata* FRR. is a full species and not a infraspecific form of *disjuncta* (GEYER, [1828]) (HACKER, 1998c; FIBIGER & HACKER, 1998).

<sup>113</sup> This species was described from Iran and it occurs in a very isolated population in Greece: Epirus (ssp. *schaideri* HACKER & HABELER, 1999).

<sup>114</sup> FIBIGER (1991) and FIBIGER & HACKER (1992; 1998): Spain.

<sup>115</sup> New for the European fauna from the western and European part of Kazakhstan and the South Ural Mountains of Russia (HACKER & MIATLEUSKI, 2001; NUPPONEN & FIBIGER, 2002).

<sup>116</sup> In FIBIGER & LAFONTAINE, 2005,- in this volume of Esperiana.

<sup>117</sup> Described from southern Turkey and the south-eastern Greek Islands (FIBIGER, 1997a; FIBIGER & HACKER, 1998).

<sup>118</sup> The systematic order and sequence of species follow mainly FIBIGER & HACKER (1991, 1992, and 1998; FIBIGER & SKULE (2004); and FIBIGER & LAFONTAINE, 2005,-in this volume of Esperiana.

<sup>119</sup> See GOATER, RONKAY and FIBIGER (2003).

**Tribus ABROSTOLINI** EICHLIN & CUNNINGHAM, 1978

**Genus *Abrostola*** OCHSENHEIMER, 1816

- tripartita* (HUFNAGEL, 1766) (= *triplasia* auctt. nec LINNAEUS, 1758)<sup>120</sup>  
*asclepiadis* ([DENIS & SCHIFFERMÜLLER], 1775)<sup>121</sup>  
*agnorista* DUFAY, 1956  
*triplasia* (LINNAEUS, 1758) (= *trigemina* WERNEBURG, 1864)<sup>122</sup>  
*clarissa* (STAUDINGER, 1900)<sup>123</sup>

**Tribus ARGYROGRAMMATINI** EICHLIN & CUNNINGHAM, 1978

**Genus *Trichoplusia*** McDUNNOUGH, 1944

- ni* (HÜBNER, [1803])

**Genus *Thysanoplusia*** ICHNOSÉ, 1973

- orichalcea* (FABRICIUS, 1775)  
*daubei* (BOISDUVAL, 1840)  
*circumscripta* (FREYER, 1831)

**Genus *Ctenoplusia*** DUFAY, 1970

- accentifera* (LEFEBVRE, 1827)  
*limbirena* (GUENÉE, 1852)  
*vittata* (WALLENGREN, 1856)<sup>124</sup>

**Genus *Chrysodeixis*** HÜBNER, [1821]

- chalcites* (ESPER, [1789])<sup>125</sup>  
*acuta* (WALKER, [1858])

**Tribus PLUSIINI** BOISDUVAL, [1828]

**Subtribus AUTOPLUSIINA** KITCHING, 1987<sup>126</sup>

**Genus *Macdunnoughia*** KOSTROWICKI, 1961

- confusa* (STEPHENS, 1850)

**Genus *Diachrysia*** HÜBNER, [1821]

- chryson* (ESPER, [1789])

<sup>120</sup> Stat. rev. (MIKKOLA & HONEY, 1993; FIBIGER & HACKER, 1998).

<sup>121</sup> Name of species (cf. FIBIGER & HACKER, 1991).

<sup>122</sup> Stat. rev. (MIKKOLA & HONEY, 1993; FIBIGER & HACKER, 1998).

<sup>123</sup> Reported from Bulgaria and European Turkey (BESHKOV, 2000; GOATER, L. RONKAY & FIBIGER, 2003).

<sup>124</sup> England, 1996 (B. GOATER, pers. com.; FIBIGER & HACKER, 1998).

<sup>125</sup> It should be mentioned here that the closely related (and also superficially very similar) SE Asian sister-species, *C. eriosoma* (DOUBLEDAY, 1843) recently has been recorded on several occasions in Germany and Sweden (once), imported as pest species into green-houses (HEINICKE, 2000; PALMQVIST, 2004 - with genitalia illustrated).

<sup>126</sup> In FIBIGER & LAFONTAINE, 2005, - in this volume of Esperiana.

*chrysitis* (LINNAEUS, 1758)  
*stenochrysis* (WARREN, 1913) (= *tutti* KOSTROWICKI, 1961)<sup>127</sup>  
*generosa* (STAUDINGER, 1900)<sup>128</sup>  
*nadeja* (OBERTHÜR, 1880)  
*zosimi* (HÜBNER, [1822])

**Subtribus EUCHALCIINA** CHOU and LU, 1979<sup>129</sup>

**Genus *Euchalcia*** HÜBNER, [1821]

*variabilis* (PILLER, 1783) (= *cuprea* ESPER, [1787])<sup>130</sup>  
*bellieri* (KIRBY, 1900) (= *galloi* BERIO, 1989)<sup>131</sup>  
*siderifera* (EVERSMANN, 1846)  
*italica* (STAUDINGER, 1882)  
*consona* (FABRICIUS, 1787)  
*modestoides* POOLE, 1989 (= *modesta* HÜBNER, 1786 praeocc.)  
*biezankoi* (ALBERTI, 1965)  
*chlorocharis* (DUFAY, 1961)  
*emichi* (ROGENHOFER & MANN, 1873)<sup>132</sup>

**Genus *Polychrysia*** HÜBNER, [1821]

*moneta* (FABRICIUS, 1787)  
*esmeralda* (OBERTHÜR, 1880)

**Genus *Panchrysia*** HÜBNER, [1821]

*aurea* (HÜBNER, [1803]) (= *deaurata* ESPER, [1787] nec GOEZE, 1781; = *chryson* BORKHAUSEN, 1792 nec ESPER, [1789])<sup>133</sup>  
*v-argenteum* (ESPER, [1798])  
*ornata* (Bremer, 1864)<sup>134</sup>  
*dives* (EVERSMANN, 1844)

**Genus *Lamprotes*** REICHENBACH (Leipzig), 1817

*c-aureum* (KNOCH, 1781)

**Genus *Plusidia*** BUTLER, 1879

*cheiranthi* (TAUSCHER, 1809)

<sup>127</sup> Taxonomy cf. GOATER, RONKAY & FIBIGER (2003).

<sup>128</sup> Recorded from S Russia (GOATER, L. RONKAY & FIBIGER, 2003) and Ukraine (KLJUTSCHKO, pers. comm.).

<sup>129</sup> In FIBIGER & LAFONTAINE, 2005,- in this volume of *Esperiana*.

<sup>130</sup> For the nomenclatural questions concerning the taxa *cuprea* ESPER, [1787] and *modestoides* POOLE, 1989 cf. KONONENKO et al. (1998) and especially HACKER (1998b). HACKER designated a lectotype of *cuprea* and this species is conspecific with *variabilis* (PILLER, 1783). Subsp. *uralensis* (EVERSMANN, 1842) in the South Ural mountains; subsp. *fuscolivacea* VARGA & RONKAY, 1984 in Bulgaria.

<sup>131</sup> Synonym of *galloi* BERIO, 1989 by FIBIGER & HACKER (1992; 1998).

<sup>132</sup> Recorded new for Europe on Kalymnos, Greece (M. FIBIGER, G. JEPPESEN, D. NILSSON & A. MADSEN, in prep.).

<sup>133</sup> *Phalaena Noctua deaurata* ESPER, [1787] is a homonym of *Phalaena deaurata* GOEZE, 1781 (HACKER, 1998b; FIBIGER & HACKER, 1998).

<sup>134</sup> New for the European fauna from the Ural mountains (K. NUPPONEN & FIBIGER, in press; GOATER, L. RONKAY & FIBIGER, 2003).

**Subtribus PLUSIINA** BOISDUVAL, [1828]<sup>135</sup>

**Genus *Autographa*** HÜBNER, [1821]

*gamma* (LINNAEUS, 1758) (= *messmeri* SCHADEWALD, 1992; = *voelkeri* SCHADEWALD, 1992)<sup>136</sup>  
*mandarina* (FREYER, 1845)  
*pulchrina* (HAWORTH, 1809)  
*buraetica* (STAUDINGER, 1892)  
*jota* (LINNAEUS, 1758)  
*macrogamma* (EVERSMANN, 1842)  
*aemula* ([DENIS & SCHIFFERMÜLLER], 1775)  
*excelsa* (KRETSCHMAR, 1862)  
*bractea* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Megalographa*** LAFONTAINE & POOLE, 1991

*biloba* (STEPHENS, 1830)<sup>137</sup>.

**Genus *Cornutiplusia*** KOSTROWICKI, 1961

*circumflexa* (LINNAEUS, 1767)

**Genus *Syngrapha*** HÜBNER, [1821]

*devergens* (HÜBNER, [1813])  
*rihaecacuminum* VARGA & L. RONKAY, 1982<sup>138</sup>  
*parilis* (HÜBNER, [1809])  
*hochenwarthi* (HOCHENWARTH, 1785)  
*diasema* (BOISDUVAL, 1829)  
*microgamma* (HÜBNER, [1823])  
*ain* (HOCHENWARTH, 1785)  
*interrogationis* (LINNAEUS, 1758)

**Genus *Plusia*** OCHSENHEIMER, 1816

*festucae* (LINNAEUS, 1758)  
*putnami* (GROTE, 1873)

**Subfamily EUSTROTIINAE** GROTE, 1882<sup>139</sup>

**Genus *Phyllophila*** GUENÉE, 1852

*obliterata* (RAMBUR, 1833)

**Genus *Protodeltote*** UEDA, 1984

*pygarga* (HUFNAGEL, 1766)

**Genus *Deltote*** REICHENBACH (Leipzig), 1817

*deceptoris* (SCOPOLI, 1763)

<sup>135</sup> In FIBIGER & LAFONTAINE, 2005,- in this volume of Esperiana.

<sup>136</sup> New synonyms (FIBIGER, 1993b; FIBIGER & HACKER, 1998).

<sup>137</sup> Several times migrant in England (GOATER, RONKAY & FIBIGER, 2003).

<sup>138</sup> Bona species (GOATER, RONKAY & FIBIGER, 2003).

<sup>139</sup> In FIBIGER & LAFONTAINE, 2005,- in this volume of Esperiana.

*uncula* (CLERCK, 1759)  
*bankiana* (FABRICIUS, 1775)

**Genus *Euloastra*** BUTLER, 1886

*diaphora* (STAUDINGER, 1879)

**Genus *Pseudozarba*** WARREN, 1914

*bipartita* (HERRICH-SCHÄFFER, 1850)

**Genus *Ozarba*** WALKER, 1865

*moldavicula* (HERRICH-SCHÄFFER, 1851)  
*lascivalis* (LEDERER, 1855)

**Subfamily BAGISARINAE** CRUMB, 1956<sup>140</sup>

**Genus *Xanthodes*** GUENÉE, 1852

*albago* (FABRICIUS, 1794)

**Genus *Pardoxia*** VIVES & GONZALEZ, 1981<sup>141</sup>

*graellsii* (FEISTHAMEL, 1837)

**Subfamily ACONTIINAE** GUENÉE, 1841<sup>142</sup>

**Tribus ACONTIINI** GUENÉE, 1841<sup>143</sup>

**Genus *Acontia*** OCHSENHEIMER, 1816<sup>144</sup>

**Subgenus *Acontia*** OCHSENHEIMER, 1816<sup>145</sup>

*lucida* (HUFNAGEL, 1766)  
*melanura* (TAUSCHER, 1809) (= *titania* sensu auctt. nec ESPER, [1798])<sup>146</sup>  
*titania* (ESPER, [1798]) (= *urania* FRIVALDSKY, 1835)<sup>147</sup>  
*candefacta* (HÜBNER, [1831])<sup>147a</sup>

**Subgenus *Emmelia*** HÜBNER, [1821], **stat. nov.**<sup>148</sup>

*trabealis* (SCOPOLI, 1763)  
*viridisquama* (GUENÉE, 1852)

<sup>140</sup> Arrangement following CRUMB (1956); KITCHING AND RAWLINS (1999).

<sup>141</sup> Junior author.

<sup>142</sup> New autapomorphies are found during the revision by LEGRAIN, HACKER & FIBIGER, in prep. The subfamily comprises more than 250 species worldwide, many of which are not yet described. See FIBIGER & LAFONTAINE, 2005.

<sup>143</sup> See FIBIGER & LAFONTAINE (2005).

<sup>144</sup> The tribe Acontiini is under revision by LEGRAIN, HACKER & FIBIGER, in prep, who state new autapomorphies.

<sup>145</sup> Revised by LEGRAIN, HACKER & FIBIGER, in prep.

<sup>146</sup> Bona sp. (HACKER, 1998b).

<sup>147</sup> Synonym (HACKER, 1998b).

<sup>147a</sup> This nearctic species was introduced to Ukraine and is spreading there rapidly (KLIJUTSHKO et al., 2004).

<sup>148</sup> Revised by LEGRAIN, HACKER & FIBIGER, in prep.

**Tribus ARMADINI** WILTSHIRE, 1961<sup>149</sup>

**Genus *Armada*** STAUDINGER, 1884<sup>150</sup>

*panaceorum* (MÉNÉTRIÉS, 1848)  
*barrygoateri* FIBIGER, L. & G. RONKAY, 2003

**Tribus AEDIINI** BECK, 1960<sup>151</sup>

**Genus *Aedia*** HÜBNER, [1823]<sup>152</sup>

*funesta* (ESPER, [1766])  
*leucomelas* (LINNAEUS, 1758)

**Subfamily PANTHEINAE** SMITH, 1898<sup>153</sup>

**Genus *Panthea*** HÜBNER, [1820]

*coenobita* (ESPER, 1785)

**Genus *Trichosea*** GROTE, 1875

*ludifica* (LINNAEUS, 1758)

**Genus *Colocasia*** OCHSENHEIMER, 1816

*coryli* (LINNAEUS, 1758)

**Subfamily DILOBINAE** AURIVILLIUS, 1889<sup>154</sup>

**Genus *Diloba*** BOISDUVAL, 1840

*caeruleocephala* (LINNAEUS, 1758)<sup>155</sup>

**Subfamily RAPHIINAE** BECK, 1996<sup>156</sup>

**Genus *Raphia*** HÜBNER, [1821]

*hybris* (HÜBNER, [1813])

<sup>149</sup> See FIBIGER & LAFONTAINE (2005).

<sup>150</sup> See FIBIGER & LAFONTAINE (2005).

<sup>151</sup> See FIBIGER & LAFONTAINE (2005).

<sup>152</sup> See FIBIGER & LAFONTAINE (2005).

<sup>153</sup> See FIBIGER & LAFONTAINE (2005).

<sup>154</sup> See FIBIGER & LAFONTAINE (2005).

<sup>155</sup> We tentatively place the often debated Dilobinae here, according to the similarity of the genitalia with those of *C. coryli* L.. (V. KONONENKO, pers. comm.).

<sup>156</sup> See FIBIGER & LAFONTAINE (2005).

Subfamily **ACRONICTINAE** HEINEMANN, 1859<sup>157</sup>

**Genus *Oxicesta*** HÜBNER, [1819]

*geographica* (FABRICIUS, 1787)

*chamoenices* HERRICH-SCHÄFFER, 1845 (= *nervosa* de VILLERS, 1789, nec RETZIUS, 1783)<sup>158</sup>

*serratae* ZERNY, 1927

**Genus *Eogena*** GUENÉE, 1852

*contaminei* (EVERSMANN, 1847)

**Genus *Moma*** HÜBNER, [1820]

*alpium* (OSBECK, 1778)

**Genus *Acronicta*** OCHSENHEIMER, 1816

**Subgenus *Acronicta*** OCHSENHEIMER, 1816

*alni* (LINNAEUS, 1767)

*cuspis* (HÜBNER, [1813])

*tridens* ([DENIS & SCHIFFERMÜLLER], 1775)

*psi* (LINNAEUS, 1758)

*aceris* (LINNAEUS, 1758)

*leporina* (LINNAEUS, 1758)

**Subgenus *Subacronicta*** KOZHANTSHIKOV, 1950

*megacephala* ([DENIS & SCHIFFERMÜLLER], 1775)

**Subgenus *Hyboma*** HÜBNER, [1820]

*strigosa* ([DENIS & SCHIFFERMÜLLER], 1775)

**Subgenus *Viminia*** CHAPMAN, 1890

*menyanthidis* (ESPER, [1789])

*auricoma* ([DENIS & SCHIFFERMÜLLER], 1775)

*euphorbiae* ([DENIS & SCHIFFERMÜLLER], 1775)

*cinerea* (HUFNAGEL, 1766)<sup>158a</sup>

*orientalis* MANN, 1862

*rumicis* (LINNAEUS, 1758)

**Genus *Craniophora*** SNELLEN, 1867

*ligustri* ([DENIS & SCHIFFERMÜLLER], 1775)

*pontica* (STAUDINGER, 1879)

**Genus *Simyra*** OCHSENHEIMER, 1816

*nervosa* ([DENIS & SCHIFFERMÜLLER], 1775)

*albovenosa* (GOEZE, 1781)

<sup>157</sup> See FIBIGER & LAFONTAINE (2005).

<sup>158</sup> Homonym (LERAUT, 1997; FIBIGER & HACKER, 1998).

<sup>158a</sup> The status of this taxon is not yet studied.

*dentinosa* FREYER, 1839

**Subfamily METOPONIINAE** HERRICH-SCHÄFFER, [1851]<sup>160</sup>

**Genus *Panemeria*** HÜBNER, [1823]

*tenebrata* (SCOPOLI, 1763) (= *jocosa* ZELLER, 1847)<sup>161</sup>  
*tenebromorpha* RÁKOSY, HENTSCHOLEK & HUBER, 1996<sup>162</sup>

**Genus *Apaustis*** HÜBNER, [1823]

*rupicola* ([DENIS & SCHIFFERMÜLLER], 1775) (= *theophila* STAUDINGER, 1866)<sup>163</sup>

**Genus *Alvaradoia*** AGENJO, 1984<sup>164</sup>

*numerica* (BOISDUVAL, 1840)

**Genus *Aegle*** HÜBNER, [1823]

*semicana* (ESPER, [1798]) (= *vespertalis* HÜBNER, [1813])<sup>165</sup>  
*vespertinalis* (RAMBUR, 1858)<sup>166</sup>  
*agatha* (STAUDINGER, 1861)  
*kaekeritziana* (HÜBNER, [1799])  
*exquisita* BOURSIN, 1969

**Genus *Metaegle*** HAMPSON, 1908

*pallida* (STAUDINGER, 1892)<sup>167</sup>

**Genus *Megalodes*** GUENÉE, 1852

*eximia* (FREYER, 1845)

**Genus *Synthymia*** HÜBNER, [1823]

*fixa* (FABRICIUS, 1787)

**Genus *Haemerosia*** BOISDUVAL, 1840

*renalis* (HÜBNER, [1813])  
*vassilininei* A. BANG-HAAS, 1912

<sup>160</sup> Following MATTHEWS (1991) the genera listed here were previously placed in the Nearctic subfamily Stiriinae GROTE, 1882, see FIBIGER & LAFONTAINE, 2005.

<sup>161</sup> Synonym (FIBIGER & HACKER, 1998; cf. BERIO, 2002).

<sup>162</sup> This species was described from N. Greece

<sup>163</sup> Synonym (FIBIGER & HACKER, 1998).

<sup>164</sup> Transferred from Eustrotiinae.

<sup>165</sup> Synonym, see HACKER, 1998b; FIBIGER & HACKER, 1998.

<sup>166</sup> Year of publication.

<sup>167</sup> BESHKOV (2000): Bulgaria.



**Genus *Mesotrosta*** LEDERER, 1857

*signalis* (TREITSCHKE, 1829)

**Genus *Mycteroplus*** HERRICH-SCHÄFFER, [1850]

*puniceago* (BOISDUVAL, 1840)

**Genus *Tyta*** BILLBERG, 1820<sup>167a</sup>

*luctuosa* ([DENIS & SCHIFFERMÜLLER], 1775)

**Subfamily CUCULLIINAE** HERRICH-SCHÄFFER, [1850]

**Genus *Cucullia*** SCHRANK, 1802<sup>168</sup>

**Subgenus *Cucullia*** SCHRANK, 1802<sup>169</sup>

*argentina* (FABRICIUS, 1787)

*bubaceki* KITT, 1925

*magnifica* FREYER, 1840 (= *scopula* FISCHER VON WALDHEIM, 1839)

*splendida* (STOLL, 1782)

*scopariae* DORFMEISTER, 1853

*fuchsiana* EVERSOMANN, 1842

*fraudatrix* EVERSOMANN, 1837

*formosa* ROGENHOFER, 1860

*absinthii* (LINNAEUS, 1761)<sup>170</sup>

*argentea* (HUFNAGEL, 1766)

*spectabilisoides* POOLE, 1989 (= *spectabilis* HÜBNER, [1813] nec TAUSCHER, 1806)

*cineracea* FREYER, 1842

*lindei* HEYNE, 1899<sup>171</sup>

*artemisiae* (HUFNAGEL, 1766)

*praecana* EVERSOMANN, 1843

*mixta* FREYER, 1842

*cemenelensis* BOURSIN, 1923<sup>172</sup>

*lactea* (FABRICIUS, 1787)

*xeranthemi* BOISDUVAL, 1840

*propinqua* EVERSOMANN, 1842

*tiefi* TSHETVERIKOV, 1956

*lactucae* ([DENIS & SCHIFFERMÜLLER], 1775)

*fraterna* BUTLER, 1878

*lucifuga* ([DENIS & SCHIFFERMÜLLER], 1775)

*umbratica* (LINNAEUS, 1758)

*biornata* FISCHER VON WALDHEIM, 1840

*balsamitae* BOISDUVAL, 1840

*sabulosa* STAUDINGER, 1879

*campanulae* FREYER, [1831]

*santoliniae* RAMBUR, 1834

*hartigi* RONKAY & RONKAY, 1988

*calendulae* TREITSCHKE, 1835 (= *wredowi* O. G. COSTA, [1835]; = *dellabrunai* BERIO, 1980)

*chamomillae* ([DENIS & SCHIFFERMÜLLER], 1775)

<sup>167a</sup> See FIBIGER & LAFONTAINE, 2005.

<sup>168</sup> RONKAY & RONKAY (1994).

<sup>169</sup> See under *Shargacucullia* RONKAY & RONKAY, 1992.

<sup>170</sup> Name of the species (cf. RONKAY & RONKAY 1994).

<sup>171</sup> Year of publication.

<sup>172</sup> Year of publication.

*indertiensis* [HERRICH-SCHÄFFER, 1856]<sup>173</sup>  
*santonici* (HÜBNER, [1813])  
*naruenensis* STAUDINGER, 1879  
*boryphora* FISCHER von WALDHEIM, 1840  
*achilleae* GUENÉE, 1852  
*improba* CHRISTOPH, 1885  
*syrtana* (MABILLE, 1888)  
*biskrana* (OBERTHÜR, 1918)  
*gnaphalii* (HÜBNER, [1813])  
*tanaceti* ([DENIS & SCHIFFERMÜLLER], 1775)  
*dracunculi* (HÜBNER, [1813])  
*virgaureae* BOISDUVAL, 1840  
*amota* ALPHÉRAKY, 1887  
*asteris* ([DENIS & SCHIFFERMÜLLER], 1775)

**Subgenus *Shargacucullia* RONKAY & RONKAY, 1992<sup>174</sup> stat. rev.**

*scrophulariphaga* (RAMBUR, 1833)  
*caninae* (RAMBUR, 1833)  
*blattariae* (ESPER, [1790]) (= *minogenica* REBEL, 1916; = *eugeniae* BECK, 1989)  
*scrophulariphila* (STAUDINGER, 1859)  
*erythrocephala* (F. WAGNER, 1914) (= *scrophularivora* GUENÉE, 1852, nomen nudum)  
*gozmanyi* RONKAY & RONKAY, 1994 (= *blattariae eugeniae* auct.)<sup>175</sup>  
*scrophulariae* ([DENIS & SCHIFFERMÜLLER], 1775)  
*lanceolata* (VILLERS, 1789) (= *thapsiphaga* TREITSCHKE, 1826)<sup>176</sup>  
*reisseri* (BOURSIN, 1933)  
*lychnitis* (RAMBUR, 1833)  
*verbasci* (LINNAEUS, 1758)  
*prenanthis* (BOISDUVAL, 1840)<sup>177</sup>

**Subgenus *Calocucullia* RONKAY & RONKAY, 1987, stat. rev.<sup>178</sup>**

*celsiae* (HERRICH-SCHÄFFER, 1850)

**Subfamily ONCOCNEMIDINAE FORBES & FRANCLEMONT, 1954**

**Genus *Brachygalea* HAMPSON, 1906<sup>179</sup>**

*albolineata* (BLACHIER, 1905)

**Genus *Calophasia* STEPHENS, 1829**

*lunula* (HUFNAGEL, 1766)  
*hamifera* STAUDINGER, 1863  
*platyptera* (ESPER, [1788])<sup>180</sup>  
*almoravida* de GRASLIN, 1863  
*barthae* F. WAGNER, 1929  
*opalina* (ESPER, [1794]) (= *casta* BORKHAUSEN, 1793)

<sup>173</sup> Year of publication (HEPPNER, 1982).

<sup>174</sup> RONKAY & RONKAY (1992; 1994). This taxon was synonymised first by POOLE (1995) and further by KULLBERG et al. (2002), but we believe that this clade merits subgeneric status, based on the superficial distinctness and by the synapomorphic structures of their genitalia, especially the vesica

<sup>175</sup> RONKAY & RONKAY (1994) sp. n.: Hungary; Slovakia.

<sup>176</sup> Synonym (LERAUT, 1997; FIBIGER & HACKER, 1998).

<sup>177</sup> Year of publication.

<sup>178</sup> RONKAY & RONKAY (1994); **stat. rev.**, see above note 174.

<sup>179</sup> Synonymy of *Criophasia* HAMPSON, 1906 cf. RONKAY & RONKAY (1995). The two genera have been described in the same publication. WARREN (1910) already used *Brachygalea*, in this case RONKAY & RONKAY, 1995 are right in treating *Criophasia* as a synonym.

<sup>180</sup> It has not been possible to trace european records of *angularis* CHRETIÉN, 1911 (= *strigmaticea* ROTHSCHILD, 1913).

**Genus *Pamparama*** RONKAY & RONKAY, 1995<sup>181</sup>

*acuta* (FREYER, 1837)

**Genus *Behounekia*** HACKER, 1990

*freyeri* (FRIVALDSKY, 1835)

**Genus *Omphalophana*** HAMPSON, 1906

*antirrhinii* (HÜBNER, [1803])

*serrata* (TREITSCHKE, 1835)

*anatolica* (LEDERER, 1857)

**Genus *Sympistis*** HÜBNER, [1823]

*funebria* (HÜBNER, [1809]) (= *funesta* PAYKULL, 1793)

*lapponica* (THUNBERG, 1791)

*heliophila* (PAYKULL, 1793) (= *melaleuca* THUNBERG, 1791 praeocc.)

*nigrita* (BOISDUVAL, 1840)<sup>182</sup> (= subsp. *zetterstedti* STAUDINGER, 1857)

**Genus *Oncocnemis*** LEDERER, 1853

*confusa* (FREYER, [1839])

*strioligera* LEDERER, 1853

*campicola* LEDERER, 1853

*nigricula* (EVERSMANN, 1847)

*senica* (EVERSMANN, 1856) (= *literata* BREMER, 1864)

**Genus *Calliergis*** HÜBNER, [1821]<sup>183</sup>

*ramosa* (ESPER, [1786])

**Genus *Lophoterges*** HAMPSON, 1906

*millierei* (STAUDINGER, 1870)

*hoerhammeri* (F. WAGNER, 1931)

**Genus *Epimecia*** GUENÉE, 1839

*ustula* (FREYER, 1835)

**Genus *Rhabinopteryx*** CHRISTOPH, 1889

*subtilis* (MABILLE, 1888)

**Genus *Teinoptera*** CALBERLA, 1891 (= *Copiphana* HAMPSON, 1906; = *Wiltshireria* BERIO, 2002 **syn. n.**)<sup>184</sup>

*olivina* (HERRICH-SCHÄFFER, 1852)

<sup>181</sup> RONKAY & RONKAY (1995): gen. n.

<sup>182</sup> RONKAY & RONKAY (1995): *zetterstedti* (STAUDINGER, 1857) is just a subspecies of *nigrita* (BOISDUVAL, 1840).

<sup>183</sup> Name of the genus (cf. FIBIGER & HACKER, 1991).

<sup>184</sup> Synonym (HACKER, 1998b; FIBIGER & HACKER, 1998). *Wiltshireria* BERIO, 2002, described for the genotype *kraussi* REBEL is also a synonym of *Teinoptera* CALBERLA, 1891 **syn. n.**

*lunaki* (BOURSIN, 1940)  
*oliva* (STAUDINGER, 1895)<sup>185</sup>

**Genus *Cleonymia*** BERIO, 1966

**Subgenus *Cleonymia*** BERIO, 1966 (= *Pectinania* BERIO, 2002 **syn. n.**)<sup>186</sup>

*baetica* (RAMBUR, 1837)  
*chabordis* (OBERTHÜR, 1876)

**Subgenus *Serryvania*** BERIO, 1980<sup>187</sup>

*yvanii* (DUPONCHEL, 1833)  
*diffluens* (STAUDINGER, 1870)  
*opposita* (LEDERER, 1870)  
*pectinicornis* (STAUDINGER, 1859)

**Genus *Amephana*** HAMPSON, 1906

**Subgenus *Amephana*** HAMPSON, 1906

*anarrhini* (DUPONCHEL, [1840])

**Subgenus *Trigonephra*** BERIO, 1980

*aurita* (FABRICIUS, 1787)  
*dalmatica* (REBEL, 1919)

**Genus *Omia*** HÜBNER, [1821]

*cymbalariae* (HÜBNER, [1809])  
*banghaasi* STAUDER, 1930  
*cyclopea* (de GRASLIN, 1837)

**Genus *Harpagophana*** HAMPSON, 1906

*hilaris* (STAUDINGER, 1895)

**Genus *Recophora*** NYE, 1975

*canteneri* (DUPONCHEL, 1833)

**Genus *Metopoceras*** GUENÉE, 1850

**Subgenus *Metopoceras*** GUENÉE, 1850

*felicina* (DONZEL, 1844)  
*omar* (OBERTHÜR, 1887)

**Subgenus *Tritomoceras*** BERIO, 1980

*albarracina* HAMPSON, 1918  
*khalildja* OBERTHÜR, 1884

<sup>185</sup> RONKAY & RONKAY (1995): one European specimen recorded from Greece in 1896, coll. ZMUC.

<sup>186</sup> *Pectinania* BERIO, 2002, described for the generotype *chabordis* OBERTHÜR, 1876 is a synonym of *Cleonymia* BERIO, 1966 **syn. n.**

<sup>187</sup> *Ronkayiana* FIBIGER & HACKER is a nomen nudum.

**Genus *Valerietta*** DRAUDT, 1938<sup>188</sup>

*bulgarica* (DRENOWSKI, 1953)  
*niphopasta* (HAMPSON, 1906)<sup>189</sup>

**Genus *Lamprosticta*** HÜBNER, [1820]

*culta* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Xylocampa*** GUENÉE, 1837

*areola* (ESPER, [1789])  
*mustapha* (OBERTHÜR, 1910)

**Genus *Stilbia*** STEPHENS, 1829<sup>190</sup>

*anomala* (HAWORTH, 1812)  
*andalusiaca* STAUDINGER, 1892  
*calberlae* (FAILLA-TEDALDI, 1890)  
*faillae* PÜNGELER, 1891<sup>191</sup>  
*philopalis* de GRASLIN, 1852

**Genus *Praestilbia*** STAUDINGER, 1892

*armeniaca* STAUDINGER, 1892

**Genus *Stilbina*** STAUDINGER, 1892

**Subgenus *Lukaschia*** BECK, 1991<sup>192</sup>  
*olympica* DIERL & POVOLNY, 1970

**Subfamily AMPHIPYRINAE** GUENÉE, 1837<sup>193</sup>

**Genus *Pyrois*** HÜBNER, [1820]

*cinnamomea* (GOEZE, 1781)  
*effusa* (BOISDUVAL, [1828])

**Genus *Amphipyra*** OCHSENHEIMER, 1816

*pyramidea* (LINNAEUS, 1758)  
*berbera* RUNGS, 1949  
*perflua* (FABRICIUS, 1787)  
*livida* ([DENIS & SCHIFFERMÜLLER], 1775)  
*tragopoginis* (CLERCK, 1759)  
*tetra* (FABRICIUS, 1787)

<sup>188</sup> HREBLAY (1992); BESHKOV (2000).

<sup>189</sup> BESHKOV (2000): Bulgaria: Spirka Kresna.

<sup>190</sup> RONKAY et al. (2001).

<sup>191</sup> Year of description.

<sup>192</sup> Subgenus stat. rev. (RONKAY et al., 2001).

<sup>193</sup> See FIBIGER & LAFONTAINE, 2005.

*micans* LEDERER, 1857  
*molybdea* CHRISTOPH, 1867<sup>194</sup>  
*submicans* KUZNETZOV, 1958  
*stix* HERRICH-SCHÄFFER, 1850

**Genus *Phidrimana*** KONONENKO, 1989<sup>195</sup>  
*amurensis* (STAUDINGER, 1892)<sup>196</sup>

**Subfamily PSAPHIDINAE** GROTE, 1896<sup>197</sup>

**Tribus PSAPHIDINI** GROTE, 1896<sup>198</sup>

**Genus *Asteroscopus*** BOISDUVAL, 1828<sup>199</sup>  
*sphinx* (HUFNAGEL, 1766)  
*syriaca* (WARREN, 1910) (= *decipulae* KOVACS, 1966)

**Genus *Brachionycha*** HÜBNER, [1819]  
*nubeculosa* (ESPER, 1785)  
*sajana* DRAUDT, 1934

**Genus *Valeria*** STEPHENS, 1829  
*oleagina* ([DENIS & SCHIFFERMÜLLER], 1775)  
*jaspidea* (de VILLERS, 1789)

**Genus *Meganephria*** HÜBNER, [1820]  
*bimaculosa* (LINNAEUS, 1767)

**Genus *Allophyes*** TAMS, 1942<sup>200</sup>  
*oxyacanthae* (LINNAEUS, 1758)  
*corsica* (SPULER, 1908)<sup>201</sup>  
*asiatica* (STAUDINGER, 1892)  
*alfaroi* AGENJO, 1951  
*cretica* PINKER & REISSER, 1978

<sup>194</sup> Described from one single female originating from Sarepta. It is unclear, if *molybdea* CHRISTOPH, 1867 and *submicans* KUZNETZOV, 1958 are conspecific and why *molybdea* is said to be a senior synonym of *submicans*, because according to POOLE (1989) the name was not preoccupied by an older taxon in the same combination. According to ANIKIN et al. (2000b) the species (given as *submicans* = *molybdea*) was recorded in Europe in the districts of Volgograd, Saratov and Uralsk.

<sup>195</sup> Not in Apameini, but here.

<sup>196</sup> This eastern steppe species (E Siberia; Russian Far East) was reported from the Orenburg region (KONONENKO, 1989), South Russia (ANIKIN et al., 2000b) and: S Ural, Orenburg (K. NUPPONEN & FIBIGER, 2002).

<sup>197</sup> See FIBIGER & LAFONTAINE, 2005.

<sup>198</sup> Systematic position cf. RONKAY & RONKAY (1995).

<sup>199</sup> Gen. rest. (RONKAY & RONKAY, 1995).

<sup>200</sup> The genus contains some taxonomic problems concerning the confirmation of species or subspecies status of some taxa (MAZEL, 1991; FIBIGER & HACKER, 1998; RONKAY et al., 2001).

<sup>201</sup> With subsp. *protai* BOURSIN, 1966; and subsp. *parenzani* de LAEVER, 1977.

**Tribus FERALIINI POOLE, 1995**

**Genus *Feralia* GROTE, 1874**

*sauberi* (GRAESER, 1892)

**Subfamily HELIOTHINAE BOISDUVAL, [1828]**

**Genus *Schinia* HÜBNER, [1818] (= *Protoschinia* HARDWICK, 1970)**

*cardui* (HÜBNER, 1790)

*cognata* (FREYER, 1833)

*purpurascens* (TAUSCHER, 1809)

*scutosa* ([DENIS & SCHIFFERMÜLLER], 1775)<sup>202</sup>

**Genus *Stenoecia* WARREN, 1911**

*dos* (FREYER, 1838)

**Genus *Pyrocleptria* HAMPSON, 1903**

*cora* (EVERSMANN, 1837)

**Genus *Heliothis* OCHSENHEIMER, 1816**

*viriplaca* (HUFNAGEL, 1766)

*maritima* de GRASLIN, 1855

*ononis* ([DENIS & SCHIFFERMÜLLER], 1775)

*peltigera* ([DENIS & SCHIFFERMÜLLER], 1775)

*nubigera* HERRICH-SCHÄFFER, 1851

**Genus *Helicoverpa* HARDWICK, 1965**

*armigera* (HÜBNER, [1808])

**Genus *Pyrrhia* HÜBNER, [1821]**

*umbra* (HUFNAGEL, 1766)

*exprimens* (WALKER, 1857)

*purpurina* (ESPER, [1804])

**Genus *Periphanes* HÜBNER, [1821]**

*delphinii* (LINNAEUS, 1758)

*victorina* (SODOFSKY, 1849)

*treitschkei* (FRIVALDSKY, 1835)

**Genus *Chazaria* MOORE, 1881 (= *Rhodocleptria* HAMPSON, 1903)**

*incarnata* (FREYER, 1838)<sup>203</sup>

<sup>202</sup> Combination (MATTHEWS, 1991; FIBIGER & HACKER, 1998).

<sup>203</sup> POOLE (1989); FIBIGER & HACKER (1998).

**Genus *Aedophron*** LEDERER, 1857

*rhodites* (EVERSMANN, 1851)  
*phlebophora* LEDERER, 1858

**Genus *Janthinea*** GUENÉE, 1852

*friwaldskii* (DUPONCHEL, 1835)

**Genus *Hebdomochondra*** STAUDINGER, 1879

*syrticola* STAUDINGER, 1879

**Subfamily CONDICINAE** POOLE, 1995<sup>204</sup>

**Genus *Condica*** WALKER, 1856 (= *Platysenta* GROTE, 1874)

*viscosa* (FREYER, 1831)  
*capensis* (WALKER, 1857)<sup>205</sup>

**Genus *Hadjina*** STAUDINGER, 1892

*wichti* (HIRSCHKE, 1904)

**Genus *Acosmetia*** STEPHENS, 1829

*caliginosa* (HÜBNER, [1813])

**Genus *Eucarta*** LEDERER, 1857<sup>206</sup>

*amethystina* (HÜBNER, [1803])  
*virgo* (TREITSCHKE, 1835)

**Subfamily ERIOPINAE** HERRICH-SCHÄFFER, [1851]<sup>207</sup>

**Genus *Callopietria*** HÜBNER, [1821]

*juventina* (STOLL, 1782)  
*latreillei* (DUPONCHEL, 1827)

**Subfamily BRYOPHILINAE** GUENÉE, 1852

**Genus *Cryphia*** HÜBNER, 1818

**Subgenus *Cryphia*** HÜBNER, 1818

<sup>204</sup> Arrangement follows KITCHING and RAWLINS (1999).

<sup>205</sup> Denmark, England; probably migration, but might have been introduced by fruits, vegetables or flowers (FIBIGER & HACKER, 1998). Occurs regularly in southern Spain, Andalusia (G. JEPPESEN, pers. comm.).

<sup>206</sup> See FIBIGER & LAFONTAINE, 2005.

<sup>207</sup> The name for the subfamily was already used by several authors (e.g. POOLE, 1995; BECK 1999); it is derived from Eriopidae HERRICH-SCHÄFFER, [1845], type genus *Eriopus* TREITSCHKE, 1825 (= *Callopietria* HÜBNER, [1821]). See FIBIGER & LAFONTAINE, 2005.



*receptricula* (HÜBNER, [1803])  
*omalosi* SVENDSEN & FIBIGER, 1998<sup>208</sup>  
*distincta* (CHRISTOPH, 1887)<sup>209</sup>  
*fraudatricula* (HÜBNER, [1803])  
*amygdalina* BOURSIN, 1963  
*simulatricula* (GUEÉE, 1852)  
*algae* (FABRICIUS, 1775)  
*pallida* (BETHUNE-BAKER, 1894)  
*ochsi* BOURSIN, 1940<sup>210</sup>

**Subgenus *Bryoleuca* HAMPSON, 1908**

*ravula* (HÜBNER, [1813])  
*vandalusia* (DUPONCHEL, 1842)  
*ereptricula* (TREITSCHKE, 1825)  
*tephrocharis* BOURSIN, 1953  
*rectilinea* (WARREN, 1909)  
*seladona* (CHRISTOPH, 1885)  
*raptricula* ([DENIS & SCHIFFERMÜLLER], 1775)  
*gea* (SCHAWERDA, 1934)  
*orthogramma* BOURSIN, 1954  
*petrea* (GUENÉE, 1852)  
*petricolor* (LEDERER, 1870)  
*strobinoi* DUJARDIN, 1972<sup>211</sup>

**Subgenus *Bryophila* TREITSCHKE, 1825**

*domestica* (HUFNAGEL, 1766)  
*maeonis* (LEDERER, 1865)

**Subgenus *Bryopsis* BOURSIN, 1970**

*muralis* (FORSTER, 1771)  
*amasina* (DRAUDT, 1931)

**Subgenus *Bryonycta* BOURSIN, 1955**

*pineti* (STAUDINGER, 1859)

**Genus *Victrix* STAUDINGER, 1879**

**Subgenus *Victrix* STAUDINGER, 1879<sup>212</sup>**

*agenjoi* (FERNÁNDEZ, 1931)

**Subgenus *Moureia* ORFILA & ROSSI, 1956**

*microglossa* (RAMBUR, 1858)

**Subgenus *Poliobrya* HAMPSON, 1908**

*umovii* (EVERSMANN, 1846)

<sup>208</sup> Described from Crete (SVENDSEN & FIBIGER, 1998; FIBIGER & HACKER, 1998).

<sup>209</sup> New for the European fauna from the western and European part of Kazakhstan (HACKER & MIATLEUSKI, 2001).

<sup>210</sup> This species was described two times (1940/1941) using the same type material (FIBIGER & HACKER, 1998).

<sup>211</sup> The taxon is under revision.

<sup>212</sup> Subgenus (VARGA & RONKAY, 1989).

**Subfamily XYLENINAE** GUENÉE, 1837<sup>213</sup>

**Tribus PSEUDEUSTROTIINI** BECK, 1996

**Genus *Pseudeustrotia*** WARREN, 1913<sup>214</sup>

*candidula* ([DENIS & SCHIFFERMÜLLER], 1775)

**Tribus PRODENIINI** FORBES, 1954

**Genus *Spodoptera*** GUENÉE, 1852

*exigua* (HÜBNER, [1808])

*ciliatum* (GUENÉE, 1852)

*littoralis* (BOISDUVAL, 1833)

**Tribus ELAPHRIINI** BECK, 1996

**Genus *Galgula*** GUENÉE, 1852

*partita* GUENÉE, 1852

**Genus *Elaphria*** HÜBNER, [1818]<sup>215</sup>

*venustula* (HÜBNER, 1790)

**Tribus CARADRININI** BOISDUVAL, 1840

**Subtribus CARADRININA** BOISDUVAL, 1840<sup>216</sup>

**Genus *Caradrina*** OCHSENHEIMER, 1816<sup>216a</sup>

**Subgenus *Caradrina*** OCHSENHEIMER, 1816

*morpheus* (HUFNAGEL, 1766)

**Subgenus *Platyperigea*** J. B. SMITH, 1894

*terrea* FREYER, 1840

*proxima* RAMBUR, [1837] (= *infusca* RAMBUR, 1858)

*kadenii* FREYER, 1836

*aspersa* RAMBUR, 1834

*montana* BREMER, 1861<sup>217</sup>

*albina* EVERSMAAN, 1848

*petraea* TENGSTRÖM, 1869 (= *grisea* EVERSMAAN, 1848)

<sup>213</sup> See FIBIGER & LAFONTAINE, 2005, in this volume of Esperiana.

<sup>214</sup> The systematic position of this genus has been disputed for a long time (e.g. ZILLI, 1997). It is surprisingly found to be a member of this subfamily (D. LAFONTAINE, pers. obs., -see FIBIGER & LAFONTAINE, 2005, -in this volume of Esperiana).

<sup>215</sup> See FIBIGER & LAFONTAINE, 2005, in this volume of Esperiana.

<sup>216</sup> See the revision by HACKER (2004), see also FIBIGER & LAFONTAINE, 2005.

<sup>216a</sup> See the revision by HACKER (2004).

<sup>217</sup> With subsp. *menetriesii* KRETSCHMAR, 1863 and *rougemonti* SPULER, 1908.

**Subgenus *Boursinidrina* HACKER, 2004**

*syriaca* STAUDINGER, [1892]  
*germainii* (DUPONCHEL, 1835) (= *psammopsis* BOURSIN, 1967)

**Subgenus *Kalchbergiana* HACKER, 2004**

*ingrata* STAUDINGER, 1897

**Subgenus *Eremodrina* BOURSIN, 1937**

*vicina* STAUDINGER, 1870<sup>218</sup>  
*armeniaca* (BOURSIN, 1936) (= *clara* SCHAWERDA, 1928 praeocc.)  
*expansa* ALPHÉRAKY, 1887<sup>219</sup>  
*inumbrata* (STAUDINGER, 1900)<sup>220</sup>  
*draudti* (BOURSIN, 1936) (= *pseudopertinax* BOURSIN, 1939)<sup>221</sup>  
*zernyi* (BOURSIN, 1936)<sup>222</sup>  
*ibeasi* (FERNÁNDEZ, [1918])  
*fergana* STAUDINGER, [1892]<sup>223</sup>  
*pertinax* (STAUDINGER, 1879)  
*gilva* (DONZEL, 1837)  
*flava* OBERTHÜR, 1876  
*distigma* CHRÉTIEN, 1913

**Subgenus *Paradrina* BOURSIN, 1937**

*selini* BOISDUVAL, 1840  
*fuscicornis* RAMBUR, 1832  
*abruzzensis* (DRAUDT, 1933)  
*minoica* HACKER, 2004  
*suscianja* (von MENTZER, 1981)  
*wullschlegeli* PÜNGELER, 1903<sup>224</sup>  
*fulvafusca* HACKER, 2004<sup>225</sup>  
*flavirena* GUENÉE, 1852 (= *muricolor* BOURSIN, 1933)  
*noctivaga* BELLIER, 1863  
*levantina* HACKER, 2004<sup>226</sup>  
*clavipalpis* (SCOPOLI, 1763)

**Genus *Hoplodrina* BOURSIN, 1937**

*octogenaria* (GOEZE, 1781) (= *alsines* BRAHM, 1791)  
*blanda* ([DENIS & SCHIFFERMÜLLER], 1775)  
*superstes* (OCHSENHEIMER, 1816)  
*hesperica* DUFAY & BOURSIN, 1960  
*respersa* ([DENIS & SCHIFFERMÜLLER], 1775)  
*ambigua* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Chilodes* HERRICH-SCHÄFFER, [1849]**

*maritima* (TAUSCHER, 1806)

<sup>218</sup> Also from Malta (P. SAMMUT, A. SEGUNA, and A. CATANIA, pers. comm.).

<sup>219</sup> Recorded from S-Ural.

<sup>220</sup> Recorded from S-Ural.

<sup>221</sup> In Europe from Crete (subsp. *cretica* REISSER, 1958).

<sup>222</sup> Described from SE European Russia, Sarepta.

<sup>223</sup> New to the European fauna from S. Russia: 1 ♂, „S. Rußland“ [Sarepta] (gen.prep. HACKER N 9585♂) (Museum für Tierkunde, Dresden) (FIBIGER & HACKER, 1998).

<sup>224</sup> With subsp. *hispanica* MABILLE, 1906, *callei* YELA, 1987, and *scythica* HACKER, 2004.

<sup>225</sup> In Europe known only from Rostov/Don (POLTAVSKI & NEKRASOV, 2002), reported as *C. poecila* (BOURSIN, 1939).

<sup>226</sup> It seems likely that *C. jacobsi* (ROTHSCHILD, 1914) occurs in the southernmost Iberian Peninsula, but the separation from small specimens of *C. flavirena* GUENÉE, 1852 is difficult and requires genitalia checking (see HACKER, 2004).

*distracta* (EVERSMANN, 1848)

**Genus *Scythocentropus*** SPEISER, 1902 (= *Ecboleamia* HAMPSON, 1908)<sup>227</sup>

*scripturosa* (EVERSMANN, 1854)<sup>228</sup>

*inquinata* (MABILLE, 1888)

*misella* (PÜNGELER, 1908)<sup>229</sup>

**Genus *Rusina*** STEPHENS, 1829<sup>230</sup>

*ferruginea* (ESPER, [1785])<sup>231</sup>

**Genus *Pseudoxestia*** BOURSIN, 1953<sup>232</sup>

*apfelbecki* (REBEL, 1901)

**Genus *Charanyca*** BILLBERG, 1820<sup>233</sup>

*trigrammica* (HUFNAGEL, 1766) (= *erubescens* TURATI, 1909)

#### **Subtribus ATHETISINA** FIBIGER & LAFONTAINE, 2005<sup>234</sup>

**Genus *Athetis*** HÜBNER, [1821]

*gluteosa* (TREITSCHKE, 1835) (= *kitti* REBEL, 1913)<sup>235</sup>

*furvula* (HÜBNER, [1808])

**Genus *Hydrillula*** TAMS, 1938

*pallustris* (HÜBNER, [1808])

**Genus *Proxenus*** HERRICH-SCHÄFFER, [1850]

*lepigone* (MÖSCHLER, 1860)

*hospes* (FREYER, 1831)

#### **Tribus COSMINI** GUENÉE, 1852<sup>236</sup>

**Genus *Enargia*** HÜBNER, [1821]

*paleacea* (ESPER, [1788])

*abluta* (HÜBNER, [1808]) (= *imbuta* BOISDUVAL, 1840)

<sup>227</sup> See HACKER (2001).

<sup>228</sup> Name of the species (cf. FIBIGER & HACKER, 1991).

<sup>229</sup> See NUPPONEN and FIBIGER (2002).

<sup>230</sup> Not in Apameini.

<sup>231</sup> The nomenclatural valid name of the species - *ferruginea* (ESPER, [1785]) or *tristis* (RETZIUS, 1783) - is not yet clear.

<sup>232</sup> Not in Apameini.

<sup>233</sup> Not in Apameini.

<sup>234</sup> In this volume of Esperiana.

<sup>235</sup> See HUEMER and TARMANN (1993).

<sup>236</sup> See FIBIGER and LAFONTAINE (2005).

**Genus *Ipimorpha*** HÜBNER, [1821]

*retusa* (LINNAEUS, 1761)  
*subtusa* ([DENIS & SCHIFFERMÜLLER], 1775)  
*contusa* (FREYER, 1849)

**Genus *Cosmia*** OCHSENHEIMER, 1816

**Subgenus *Cosmia*** OCHSENHEIMER, 1816

*diffinis* (LINNAEUS, 1767)  
*affinis* (LINNAEUS, 1767)

**Subgenus *Calymnia*** HÜBNER, [1821]

*trapezina* (LINNAEUS, 1758)  
*confinis* HERRICH-SCHÄFFER, [1849] (= *rhodopsis* BOURSIN, 1962)  
*pyralina* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Dicycla*** GUENÉE, 1852

*oo* (LINNAEUS, 1758)

**Genus *Atethmia*** HÜBNER, [1821]

*ambusta* ([DENIS & SCHIFFERMÜLLER], 1775)  
*algorica* (CULOT, 1917)  
*centrago* (HAWORTH, 1809)

**Genus *Mesogona*** BOISDUVAL, 1840<sup>236a</sup>

*acetosellae* ([DENIS & SCHIFFERMÜLLER], 1775)  
*oxalina* (HÜBNER, [1803])

**Tribus DYPTERYGIINI** FORBES, 1954<sup>237</sup>

**Genus *Dypterygia*** STEPHENS, 1829

*scabriuscula* (LINNAEUS, 1758)

**Genus *Trachea*** OCHSENHEIMER, 1816

*atriplicis* (LINNAEUS, 1758)

**Genus *Anthracia*** HÜBNER, [1823]

*eriopoda* (HERRICH-SCHÄFFER, [1851])  
*ephiates* (HÜBNER, [1822])

**Genus *Mormo*** OCHSENHEIMER, 1816

*maura* (LINNAEUS, 1758)

<sup>236a</sup> Arrangement of the species and genus according to discussions between LAFONTAINE and FIBIGER.

<sup>237</sup> See FIBIGER and LAFONTAINE, 2005, in this volume of Esperiana.

**Genus *Polyphaenis*** BOISDUVAL, 1840

*viridis* (VILLERS, 1789) (= *sericata* ESPER, [1787]<sup>238</sup>; = *albibasis* WARREN, 1911)

**Genus *Olivenebula*** KISHIDA & YOSHIMOTO, 1977 (= *Chlorothalpa* BECK, 1996)<sup>239</sup>

*subsericata* (HERRICH-SCHÄFFER, [1861])  
*xanthochloris* (BOISDUVAL, 1840)

**Genus *Thalpophila*** HÜBNER, [1820]

*matura* (HUFNAGEL, 1766)  
*vitalba* (FREYER, 1834)

**Genus *Phoebophilus*** STAUDINGER, 1888

*veternosus* (PÜNGELER, 1908)<sup>240</sup>

**Genus *Heterophysa*** BOURSIN, 1953

*dumetorum* (GEYER, [1834])

**Tribus ACTINOTIINI** BECK, 1996<sup>241</sup>

**Genus *Hyppa*** DUPONCHEL, [1845]

*rectilinea* (ESPER, [1788])

**Genus *Brachyxanthia*** BUTLER, 1878

*zelotypa* (LEDERER, 1853)<sup>242</sup>

**Genus *Actinotia*** HÜBNER, [1821]

*polyodon* (CLERCK, 1759)  
*radiosa* (ESPER, [1804])

**Genus *Chloantha*** BOISDUVAL, RAMBUR & GRASLIN, [1836]<sup>243</sup>

*hyperici* ([DENIS & SCHIFFERMÜLLER], 1775)

**Tribus PHLOGOPHORINI** HAMPSON, 1918<sup>244</sup>

**Genus *Phlogophora*** TREITSCHKE, 1825

*scita* (HÜBNER, 1790)

<sup>238</sup> A homonym as stated by several authors (cf. RAINERI & ZILLI, 1995; NOWACKI & FIBIGER, 1996; LERAUT, 1997).

<sup>239</sup> Combination cf. HACKER (2001).

<sup>240</sup> FIBIGER & HACKER (1992; 1998): Russia: South Ural Mts.: Guberla.

<sup>241</sup> See FIBIGER & LAFONTAINE, 2005.

<sup>242</sup> FIBIGER & HACKER (1992): Russia: Perm („westl. Uralvorland“) (EVERSMANN, 1856).

<sup>243</sup> FIBIGER (1997b).

<sup>244</sup> See FIBIGER & LAFONTAINE, 2005. The genus *Paranataelia* DRAUDT, 1935 and its species *tenerifica* (HAMPSON, 1906) (= *whitei* REBEL, 1906), **syn. n.**, were previously listed as to occur on the Azores (FIBIGER and HACKER, 1991), but it is absent from these islands and is an endemic species of the Canary Islands.

*meticulosa* (LINNAEUS, 1758) (= *lamii* SCHADEWALD, 1992)<sup>245</sup>  
*interrupta* (HAMPSON, 1908)  
*cabrali* PINKER, 1971  
*furnasi* PINKER, 1971<sup>246</sup>

**Genus *Euplexia*** STEPHENS, 1829

*lucipara* (LINNAEUS, 1758)

**Genus *Auchmis*** HÜBNER, [1821]

*detersa* (ESPER, [1787])

**Genus *Pseudenargia*** BOURSIN, 1956

*ulicis* (STAUDINGER, 1859)

**Tribus APAMEINI** GUENÉE, 1841  
(= Nonagriini GUENÉE, 1837, a synonym of Apameini)<sup>247</sup>

**Subtribus OXYTRYPINA** GOZMANY, 1970<sup>248</sup>

**Genus *Oxytrypia*** STAUDINGER, 1871

*orbiculosa* (ESPER, [1799])

**Subtribus APAMEINA** GUENÉE, 1841

**Genus *Apamea*** OCHSENHEIMER, 1816

*monoglypha* (HUFNAGEL, 1766)  
*baischi* HACKER, 1989  
*sicula* (TURATI, 1909) (= *indiges* sensu auct. nec TURATI, 1926)<sup>249</sup>  
*syriaca* OSTHELDER, 1933 (= *tallosi* KOVACS & VARGA, 1969)<sup>250</sup>  
*lithoxylaea* ([DENIS & SCHIFFERMÜLLER], 1775)  
*sublustri* (ESPER, [1788])  
*arabs* (OBERTHÜR, 1881)  
*crenata* (HUFNAGEL, 1766)  
*epomidion* (HAWORTH, 1809) (= *characteraea* sensu auct. nec ([DENIS & SCHIFFERMÜLLER], 1775)<sup>251</sup>  
*aquila* DONZEL, 1837  
*lateritia* (HUFNAGEL, 1766)  
*furva* ([DENIS & SCHIFFERMÜLLER], 1775)  
*maillardi* (GEYER, [1834])  
*zeta* (TREITSCHKE, 1825) (= *exulis* LEFEBVRE, 1836)  
*michiellii* VARGA, 1976  
*rubrirena* (TREITSCHKE, 1825)  
*platinea* (TREITSCHKE, 1825)  
*oblonga* (HAWORTH, 1809)  
*remissa* (HÜBNER, [1809])

<sup>245</sup> FIBIGER (1993b); FIBIGER & HACKER (1998), new synonym.

<sup>246</sup> Name of the species (cf. FIBIGER & HACKER, 1991); Acores.

<sup>247</sup> According to the nomenclatural code (2000) we accept the well known name Apameini - see also FIBIGER & LAFONTAINE, 2005,-in this volume of Esperiana. The genera and species, incl. their sequences in this tribe are under revision (ZILLI, RONKAY and FIBIGER, in prep., in Noctuidae Europaeae).

<sup>248</sup> See FIBIGER and LAFONTAINE (2005).

<sup>249</sup> FIBIGER & HACKER (1998).

<sup>250</sup> FIBIGER & HACKER (1998).

<sup>251</sup> Valid name (KARSHOLT, in: KARSHOLT & RAZOWSKI, 1996).

*unanimis* (HÜBNER, [1813])  
*illyria* FREYER, 1846  
*leucodon* (EVERSMANN, 1837)  
*anceps* ([DENIS & SCHIFFERMÜLLER], 1775) (= *siegeli* BERIO, 1985)  
*sordens* (HUFNAGEL, 1766)  
*ferrago* (EVERSMANN, 1837)  
*pyxina* (A. BANG-HAAS, 1910)  
*alpigena* (BOISDUVAL, [1837])  
*scolopacina* (ESPER, [1788])

**Genus Leucapamea** SUGI, 1982

*ophiogramma* (ESPER, [1794])

**Genus Eremobina** McDUNNOUGH, 1927 (= *Pabulatrix* SUGI, 1982)<sup>252</sup>

*pabulatricula* (BRAHM, 1791)

**Genus Oligia** HÜBNER, [1821]

*strigilis* (LINNAEUS, 1758)  
*versicolor* (BORKHAUSEN, 1792)  
*latruncula* ([DENIS & SCHIFFERMÜLLER], 1775)  
*dubia* (HEYDEMANN, 1942)  
*fasciuncula* (HAWORTH, 1809)

**Genus Mesoligia** BOURSIN, 1965

*furuncula* ([DENIS & SCHIFFERMÜLLER], 1775)  
*literosa* (HAWORTH, 1809) (= *faroulti* ROTHSCCHILD, 1914)

**Genus Mesapamea** HEINICKE, 1959

**Subgenus Mesapamea** HEINICKE, 1959

*secalis* (LINNAEUS, 1758)  
*didyma* (ESPER, 1788) (= *secalella* REMM, 1983)<sup>253</sup>  
*moderata* (EVERSMANN, 1843)  
*storai* REBEL, 1938 (= *acorina* PINKER, 1971)

**Subgenus Resapamea** VARGA & RONKAY, 1992<sup>254</sup>

*hedeni* (GRAESER, 1888)

**Genus Xylomoia** STAUDINGER, 1892<sup>255</sup>

*strix* MIKKOLA, 1980  
*graminea* (GRAESER, 1889)  
*stangelmaieri* MIKKOLA, 1998<sup>256</sup>  
*retinax* MIKKOLA, 1998<sup>257</sup>

<sup>252</sup> Synonym (FIBIGER & HACKER, 1998).

<sup>253</sup> *M. remmi* REZBANYAI-RESER, 1985 (?= *insolita* REZBANYAI-RESER, 1996): Because the females recorded have strongly deformed genitalia, we still refrain from accepting these taxa as full species, and hold to the opinion that they are hybrids between *M. secalis* and *M. didyma*.

<sup>254</sup> S.E. Russia (VARGA & RONKAY, 1992; AHOLA, pers. comm.; KLJUTSCHKO, pers. comm.; LEHMANN, pers. comm.) (FIBIGER & HACKER, 1998).

<sup>255</sup> The genus is a true member of Apameini.

<sup>256</sup> Described from N. Italy/Venezia Giulia, Caorle; figured on plate A: 13.

<sup>257</sup> One of the paratypes was recorded from S-Ural (Chelyabinsk Distr.) (cf. also K. NUPPONEN & FIBIGER, 2002).



**Genus *Phothedes*** LEDERER, 1857

*captiuncula* (TREITSCHKE, 1825)

**Genus *Eremobia*** STEPHENS, 1829

*ochroleuca* ([DENIS & SCHIFFERMÜLLER], 1775) (= *asiatica* DRAUDT, 1936)<sup>258</sup>  
*deccerti* HAMPSON, 1908 (= *pseudotrachea* KRULIKOWSKY, 1909)

**Genus *Luperina*** BOISDUVAL, 1829

*testacea* ([DENIS & SCHIFFERMÜLLER], 1775)  
*kruegeri* TURATI, 1912  
*siegeli* (BERIO, 1986)  
*nickerlii* (FREYER, 1845)  
*irritaria* (A. BANG-HAAS, 1912)<sup>259</sup>  
*taurica* (KLJUTSCHKO, 1967)  
*rubella* (DUPONCHEL, 1835)  
*samnii* (SOHN-RETHEL, 1929)  
*dumerilii* (DUPONCHEL, 1826)  
*pozzii* (CURO, 1883)  
*zollikoferi* (FREYER, 1836)

**Genus *Sidemia*** STAUDINGER, 1892

*spilogramma* (RAMBUR, 1871)

**Genus *Crypsedra*** WARREN, 1911<sup>260</sup>

*gemmea* (TREITSCHKE, 1825)

**Genus *Amphipoea*** BILLBERG, 1820

*oculea* (LINNAEUS, 1761)  
*fucosa* (FREYER, 1830)  
*asiatica* (BURROWS, 1911)  
*lucens* (FREYER, 1845)  
*crinanensis* (BURROWS, 1908)

**Genus *Hydraecia*** GUENÉE, 1841

*micacea* (ESPER, [1789])  
*ultima* HOLST, 1965  
*nordstroemi* HORKE, 1952  
*mongoliensis* URBACH, 1967  
*petasitis* DOUBLEDAY, 1847  
*osseola* (STAUDINGER, 1882)

**Genus *Gortyna*** OCHSENHEIMER, 1816

*flavago* ([DENIS & SCHIFFERMÜLLER], 1775)

<sup>258</sup> *Asiatica* DRAUDT, 1936 is not a full species but only a subspecies of *ochroleuca* D. & S. (HACKER, 1998b).

<sup>259</sup> In Italy subsp. *sohnretheli* DRAUDT, 1931 (= *tiberina* (SOHN-RETHEL, 1929).

<sup>260</sup> It is a true Apameini, -not related to *Polymixis* (see also HACKER & RONKAY, 1992b).

*xanthenes* (GERMAR, [1842])<sup>261</sup> (= *franciscae* TURATI, 1913)  
*puengeleri* (TURATI, 1909)  
*moesiaca* HERRICH-SCHÄFFER, 1849  
*borelii* (PIERRET, 1837) (= *grapholeuca* BERIO, 2002, **syn. n.**)<sup>262</sup>  
*cervago* EVERSMAANN, 1844

**Genus *Helotropha*** LEDERER, 1857

*leucostigma* (HÜBNER, [1808])

**Genus *Calamia*** HÜBNER, [1821]

*tridens* (HUFNAGEL, 1766)

**Genus *Staurophora*** REICHENBACH (Leipzig), 1817

*celsia* (LINNAEUS, 1758)

**Genus *Argyrospila*** HERRICH-SCHÄFFER, [1851]

*succinea* (ESPER, [1798]) (= *maculata* EVERSMAANN, 1842)<sup>263</sup>

**Genus *Chortodes*** TUTT, 1897

*minima* (HAWORTH, 1809)  
*extrema* (HÜBNER, [1809])  
*fluxa* (HÜBNER, [1809])  
*pygmina* (HAWORTH, 1809)  
*dulcis* (OBERTHÜR, 1918)  
*morrisii* (MORRIS, 1837) (= subsp. *sohn-retheli* PÜNGELER, 1907)  
*elymi* (TREITSCHKE, 1825)  
*stigmatica* (EVERSMAANN, 1855)  
*brevilinea* (FENN, 1864) (= *impudica* STAUDINGER, 1892)  
*abrupta* (EVERSMAANN, 1854) (= *contumax* PÜNGELER, 1902; = *johni* PÜNGELER, 1914)

**Genus *Oria*** HÜBNER, [1821]

*musculosa* (HÜBNER, [1808])  
*myodea* (RAMBUR, 1858)

**Genus *Nonagria*** OCHSENHEIMER, 1816

*typhae* (THUNBERG, 1784)

**Genus *Rhizedra*** WARREN, 1911

*lutosa* (HÜBNER, [1803])

**Genus *Celaena*** STEPHENS, 1829

*haworthii* (CURTIS, 1829)

<sup>261</sup> Year of publication.

<sup>262</sup> This name was proposed by BERIO (2002) for "*G. leucographa* BORKH. nec. SCHIFF."

<sup>263</sup> The species *striata* (STAUDINGER, 1897) has never been found authentically in Europe.

**Genus *Phragmatiphila* HAMPSON, 1908**

*nexa* (HÜBNER, [1808]) (= *insularis* TURATI, 1913)<sup>264</sup>

**Genus *Archanara* WALKER, 1866**

*geminipuncta* (HAWORTH, 1809)  
*neurica* (HÜBNER, [1808])  
*dissoluta* (TREITSCHKE, 1825)  
*sparganii* (ESPER, [1790])  
*algae* (ESPER, [1789])

**Genus *Sedina* URBAHN, 1933**

*buettneri* (E. HERING, 1858)

**Genus *Arenostola* HAMPSON, 1910**

*phragmitidis* HÜBNER, [1803]) (= *semicana* sensu auctt. nec ESPER, [1798])<sup>265</sup>

**Genus *Coenobia* STEPHENS, 1850**

*rufa* (HAWORTH, 1809)

**Subtribus SESAMIINA FIBIGER & GOLDSTEIN, 2005<sup>266</sup>**

**Genus *Sesamia* GUENÉE, 1852**

*nonagrioides* (LEVEBVRE, 1827)  
*cretica* LEDERER, 1857

**Tribus EPISEMINI GUENÉE, 1852<sup>267</sup> (= CLEOCERINI FORBES & FRANCLEMONT, 1954)**

**Genus *Episema* OCHSENHEIMER, 1816**

*grueneri* BOISDUVAL, [1837]  
*glaucina* (ESPER, [1789])  
*amasina* HAMPSON, 1906<sup>268</sup>  
*tersa* ([DENIS & SCHIFFERMÜLLER], 1775)<sup>269</sup>  
*gozmanyi* RONKAY & HACKER, 1985  
*lederi* CHRISTOPH, 1885 (= *sareptana* ALPHÉRAKY, 1897)  
*korsakovi* (CHRISTOPH, 1885)

**Genus *Cleoceris* BOISDUVAL, [1836]**

*scoriacea* (ESPER, [1789])

<sup>264</sup> Combination. LERAUT (1997) treats *insularis* as subspecies of *nexa* (HÜBNER, [1808]).

<sup>265</sup> Following KARSHOLT (in: KARSHOLT & RAZOWSKI, 1996) and LERAUT (1997) the valid name of this species should be *phragmitidis* (HÜBNER, [1803]). *Semicana* ESP. is a senior synonym of *Aegle vespertalis* HBN. (see HACKER, 1998a).

<sup>266</sup> See FIBIGER and LAFONTAINE, 2005, this volume of Esperiana.

<sup>267</sup> RONKAY et al. (2001).

<sup>268</sup> In Europe restricted to Crimea (RONKAY et al., 2001).

<sup>269</sup> The taxon *melanogona* (TAUSCHER, 1809) is unsolved; it might be a full species or a synonym of *tersa* ([DENIS & SCHIFFERMÜLLER], 1775), *amasina* HAMPSON, 1906, *glaucina* (ESPER, [1789]), or *lederi* CHRISTOPH, 1885.

**Genus *Leucochlaena*** HAMPSON, 1906

**Subgenus *Leucochlaena*** HAMPSON, 1906

*oditis* (HÜBNER, [1822]) (= *hispidata* GEYER, [1832])<sup>270</sup>

*turatii* (SCHAWERDA, 1931)

*seposita* TURATI, 1919<sup>271</sup>

*cypraota* HAMPSON, 1918 (= *muscosa* STAUDINGER, 1892)

**Subgenus *Furcochlaena*** RONKAY, YELA & HREBLAY, 2001<sup>272</sup>

*fallax* (STAUDINGER, 1870)

**Genus *Ulochlaena*** LEDERER, 1857

*hirta* (HÜBNER, [1813])

**Genus *Eremopola*** WARREN, 1911

**Subgenus *Eremopola*** WARREN, 1911

*lenis* (STAUDINGER, 1892)

**Subgenus *Eremochlaena*** BOURSIN, 1953<sup>273</sup>

*orana* (LUCAS, 1894)

**Tribus XYLENINI** GUENÉE, 1837<sup>274</sup>

**Subtribus XYLENINA** GUENÉE, 1837<sup>275</sup>

**Genus *Brachylomia*** HAMPSON, 1906

*viminalis* (FABRICIUS, 1777)

*uralensis* (WARREN, 1910)

**Genus *Parastichtis*** HÜBNER, [1821] (= *Dyschorista* LEDERER, 1857; = *Taeniosea* GROTE, 1874)<sup>276</sup>

*suspecta* (HÜBNER, [1817])

**Genus *Apterogenum*** BERIO, 2002<sup>277</sup>

*ypsillon* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Atypha*** HÜBNER, [1821]<sup>278</sup>

*pulmonaris* (ESPER, [1790])

<sup>270</sup> According to RONKAY et al. (2001) *hispidata* GEYER, [1832] means not a full species but a synonym of *oditis* (HÜBNER, [1822]).

<sup>271</sup> Year of description (RONKAY et al., 2001).

<sup>272</sup> RONKAY et al. (2001).

<sup>273</sup> Stat. rev. (RONKAY et al., 2001).

<sup>274</sup> RONKAY et al. (2001).

<sup>275</sup> See FIBIGER & LAFONTAINE, 2005, in this volume of Esperiana.

<sup>276</sup> Arrangement of the species and genus according to discussions between LAFONTAINE and FIBIGER; this genus has been moved from a position within the Apameini.

<sup>277</sup> *Apterogenum* BERIO, 2002 was described for the genotype *ypsillon* ([DENIS & SCHIFFERMÜLLER], 1775).

<sup>278</sup> According to the structures in the male and female genitalia, this genus is better placed in this tribe.

**Genus *Tiliacea*** TUTT, 1896<sup>279</sup>

*citrago* (LINNAEUS, 1758)  
*aurago* ([DENIS & SCHIFFERMÜLLER], 1775)  
*sulphurago* ([DENIS & SCHIFFERMÜLLER], 1775) (= *fulvago* auct. nec CLERCK, 1759)  
*cypreago* (HAMPSON, 1906)

**Genus *Xanthia*** OCHSENHEIMER, 1816<sup>280</sup>

**Subgenus *Xanthia*** OCHSENHEIMER, 1816

*togata* (ESPER, [1788])

**Subgenus *Spudaea*** SNELLEN, 1867

*ruticilla* (ESPER, [1791])  
*pontica* (KLJUTSHKO, 1968)<sup>281</sup>

**Genus *Cirrhia*** HÜBNER, [1821]<sup>282</sup>

*icteritia* (HUFNAGEL, 1766) (= *fulvago* sensu auct.)  
*gilvago* ([DENIS & SCHIFFERMÜLLER], 1775)  
*austauti* OBERTHÜR, 1881<sup>283</sup>  
*ocellaris* (BORKHAUSEN, 1792)

**Genus *Maraschia*** OSTHELDER, 1933

*grisescens* OSTHELDER, 1933

**Genus *Agrochola*** HÜBNER, [1821]

**Subgenus *Agrochola*** HÜBNER, [1821]

*lychnidis* ([DENIS & SCHIFFERMÜLLER], 1775)  
*orejoni* AGENJO, 1951

**Subgenus *Alpichola*** RONKAY, 1984

*lactiflora* (DRAUDT, 1934) (= *wautieri* DUFAY, 1975)  
*fibigeri* HACKER & MOBERG, 1989

**Subgenus *Anchoscelis*** GUENÉE, 1839 (= *Agrolitha* BERIO, 1980)<sup>284</sup>

*pistacinoides* (d' AUBUISSON, 1867) (= *dujardini* DUFAY, 1975)  
*nitida* ([DENIS & SCHIFFERMÜLLER], 1775)  
*prolai* BERIO, 1976  
*deleta* (STAUDINGER, 1882)  
*turneri* BOURSIN, 1953

<sup>279</sup> Upgraded to genus rank by RONKAY et al. (2001). *Helladica* HACKER & FIBIGER is a nomen nudum, used in the first list 1991, but not described further on.

<sup>280</sup> Arrangement of the species and subgenera according to discussions between LAFONTAINE and FIBIGER, May 2004 (see also discussion in LAFONTAINE & MIKKOLA, 2003).

<sup>281</sup> According to the new nomenclatural code (2000) this well known name should be accepted. Very few entomologists know the taxon *Spudaea castanea* OSTHELDER, 1933, which was proposed by HACKER (2001) to be the oldest name for that species.

<sup>282</sup> Arrangement of the species according to discussions between LAFONTAINE and FIBIGER.

<sup>283</sup> The taxon *austauti* OBERTHÜR, 1881 means a full species and not a subspecies or synonym of *gilvago* ([DENIS & SCHIFFERMÜLLER], 1775) (RONKAY et al., 2001). In Europe it occurs in the southern half of the Iberian Peninsula.

<sup>284</sup> *Agrolitha* BERIO, 1980 is treated by RONKAY et al. (2001) as a species group within the subgenus *Anchoscelis* GUENÉE, 1839 only.

*humilis* ([DENIS & SCHIFFERMÜLLER], 1775)  
*rupicapra* (STAUDINGER, 1879)  
*kindermanni* (FISCHER VON RÖSLERSTAMM, 1838) (= *wolfschlaegeri* BOURSIN, 1953)  
 (with subsp. *sicula* BISCHOF & BITTERMANN, 1996)<sup>285</sup>  
*consueta* (HERRICH-SCHÄFFER, [1852])<sup>285a</sup>  
*litura* (LINNAEUS, 1758)<sup>286</sup>  
*meridionalis* (STAUDINGER, 1871)  
*osthelderi* BOURSIN, 1951  
*gratiosa* (STAUDINGER, 1882)  
*helvola* (LINNAEUS, 1758)

**Subgenus *Leptologia*** PROUT, 1901

*lota* (CLERCK, 1759)  
*schreieri* HACKER & WEIGERT, 1986<sup>287</sup>  
*blidaensis* (STERTZ, 1915)  
*macilenta* (HÜBNER, [1809])

**Subgenus *Haemachola*** BECK, 1991<sup>288</sup>

*haematidea* (DUPONCHEL, 1827)

**Subgenus *Sunira*** FRANCLEMONT, 1950

*circellaris* (HUFNAGEL, 1766)

**Subgenus *Propenistra*** BERIO, 1980

*laevis* (HÜBNER, [1803])

**Subgenus *Friwaldskyola*** RONKAY, 1984

*mansueta* (HERRICH-SCHÄFFER, 1850)

**Genus *Omphaloscelis*** HAMPSON, 1906

*lunosa* (HAWORTH, 1809)

**Genus *Conistra*** HÜBNER, [1821]

**Subgenus *Conistra*** HÜBNER, [1821]

*vaccinii* (LINNAEUS, 1761)  
*ligula* (ESPER, [1791])  
*alicia* LAJONQUIÈRE, 1939  
*rubiginosa* (SCOPLI, 1763)

<sup>285</sup> According to RONKAY et al. (2001) *kindermanni* (FISCHER VON RÖSLERSTAMM, 1838) and *wolfschlaegeri* BOURSIN, 1953 are said to be two distinct species. Here we are following the concept of HACKER (1996c) which seems to be more convincing. It says that in Europe only one species has been proven and its name is the oldest name described: *kindermanni* (locus typicus: [Rijeka] Fiume. The specimen of *kindermanni* from Dalmatia [Gravosa], found and published by BOURSIN, was therefore not an autochthonous example of the species but obviously mislabelled. This theory is supported by a series of specimens, collected by S. GOMBOC from Croatia: „Krk, Conobe near Punat, 5-30 m, coast, Makjia 26.X.1999 (gen.prep. H. HACKER N 14591♂, 14592♀)“. This locality is situated 25 km SE of the type locality of *kindermanni*. Until now no authentic specimen of another sister species could be found on the Balkans, although the Balkan fauna is explored rather well.

The taxon *wolfschlaegeri* describes the darker and mountainous form of *kindermanni*, while *sicula* BISCHOF & BITTERMANN, 1996 represents the isolated Sicilian populations. The correct name for the species of the Near East is *consueta* HERRICH-SCHÄFFER, [1852].

<sup>285a</sup> Type locality of this species is „Constantinople“ [Istanbul].

<sup>286</sup> The status of *luteogrisea* (WARREN, 1911) as distinct species or subspecies is still unsolved. It does not occur in Europe (RONKAY et al., 2001).

<sup>287</sup> Described as subspecies of *lota* (CLERCK, 1759) from the Balkans; upgraded to species rank by HACKER (2001).

<sup>288</sup> RONKAY et al. (2001).

*gallica* (LEDERER, 1857)  
*daubei* (DUPONCHEL, 1838)  
*veronicae* (HÜBNER, [1813]) (= *camastra* de LAEVER, 1979)<sup>289</sup>  
*intricata* (BOISDUVAL, [1828])<sup>290</sup>

**Subgenus *Peperina*** HREBLAY, 1992

*torrida* (LEDERER, 1857)

**Subgenus *Orrhodiella*** SPULER, 1907

*ragusae* (FAILLA-TEDALDI, 1890)

**Subgenus *Dasycampa*** GUENÉE, 1837

*rubiginea* ([DENIS & SCHIFFERMÜLLER], 1775)  
*staudingeri* (de GRASLIN, 1863)  
*erythrocephala* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Jodia*** HÜBNER, 1818

*croceago* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Hillia*** GROTE, 1883

*iris* (ZETTERSTEDT, [1839])

**Genus *Lithophane*** HÜBNER, [1821]

**Subgenus *Lithophane*** HÜBNER, [1821]

*semibrunnea* (HAWORTH, 1809)  
*ledereri* (STAUDINGER, 1892)  
*socia* (HUFNAGEL, 1766) (= *hepatica* auct., nec CLERCK, 1759)  
*ornitopus* (HUFNAGEL, 1766)  
*furcifera* (HUFNAGEL, 1766)  
*consocia* (BORKHAUSEN, 1792)  
*lamda* (FABRICIUS, 1787)  
*merckii* (RAMBUR, 1832)

**Subgenus *Prolitha*** BERIO, 1980

*leautieri* (BOISDUVAL, 1829)  
*lapidea* (HÜBNER, [1808])

**Genus *Lithomoia*** HÜBNER, [1821]

*solidaginis* (HÜBNER, [1803])

**Genus *Xylena*** OCHSENHEIMER, 1816

*exsoleta* (LINNAEUS, 1758)  
*vetusta* (HÜBNER, [1813])  
*lunifera* (WARREN, 1910)

<sup>289</sup> For the taxon *metria* BOURSIN, 1940 (= *pseudopolitina* HACKER, 1990) cf. HREBLAY (1992b). *Metria* BOURSIN, 1940 is restricted to the Eastern Anatolian-Turkmenian area and does not occur in Europe.

<sup>290</sup> The western sibling to *C. veronicae*.

*buckwelli* RUNGS, 1952<sup>291</sup>

**Genus *Orbona*** HÜBNER, [1821]<sup>293</sup>

*fragariae* (VIEWEG, 1790)

**Genus *Eupsilia*** HÜBNER, [1821]

*transversa* (HUFNAGEL, 1766)

**Subtribus ANTIPYPINA** FORBES & FRANCLEMONT, 1954<sup>294</sup>

**Genus *Evisa*** REISSER, 1930

*schawerdai* REISSER, 1930

**Genus *Rileyiana*** MOUCHA & CHVALA, 1963

*fovea* (TREITSCHKE, 1825)

**Genus *Dryobota*** LEDERER, 1857

*labecula* (ESPER, [1788])

**Genus *Scotochrosta*** LEDERER, 1857

*pulla* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Dichonia*** HÜBNER, [1816]<sup>295</sup>

*aeruginea* (HÜBNER, [1808])

*convergens* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Griposia*** TAMS, 1939<sup>296</sup>

*aprilina* (LINNAEUS, 1758)

*wegneri* KOBES & FIBIGER, 2003<sup>297</sup>

*pinker* (KOBES, 1973)

<sup>291</sup> Stat. rev., the atlanto-mediterranean species occurs in South Spain (RONKAY et al., 2001).

<sup>293</sup> According to RONKAY et al. (2001) *Orbona* HÜBNER, [1821] is a monotypic genus and should be placed close to *Xylena* OCHSENHEIMER, 1816 and *Eupsilia* HÜBNER, [1821].

<sup>294</sup> See FIBIGER & LAFONTAINE, 2005, in this volume of *Esperiana*. The larvae of the genera listed here put them into the Antitypina (short, strongly dorsoventrally flattened spinneret, and also the habitus of the adult). The larvae of *Evisa* is not known but the moth resembles an Antitypina in spite of its longer clasper.

<sup>295</sup> Year of description.

<sup>296</sup> RONKAY et al. (2001). Raised to genus level (KOBES & FIBIGER, 2003).

<sup>297</sup> Recorded from NE Greece and Bulgaria (BESHKOV & LANGOUROV, 2004).



**Genus *Dryobotodes* WARREN, 1910**

**Subgenus *Dryobotodes* WARREN, 1910**

*eremita* (FABRICIUS, 1775)  
*monochroma* (ESPER, [1790])  
*servadeii* PARENZAN, [1982]  
*roboris* (BOISDUVAL, [1828]) (= *roboris* GEYER, [1835]; = *cerris* BOISDUVAL, 1840)<sup>298</sup>  
*carbonis* (F. WAGNER, 1931)

**Subgenus *Dichonioxa* BERIO, 1980**

*tenebrosa* (ESPER, [1789])

**Genus *Pseudohadena* ALPHÉRAKY, 1889<sup>299</sup>**

**Subgenus *Pseudohadena* ALPHÉRAKY, 1889**

*arenacea* RONKAY, VARGA & FÁBIÁN, 1995<sup>300</sup>  
*armata* (ALPHÉRAKY, 1887)<sup>301</sup>  
*argyllostigma* (VARGA & RONKAY, 1991)<sup>302</sup>  
*mariana* E. de LAJONQUIÈRE, 1964

**Subgenus *Graphanta* RONKAY, VARGA & FÁBIÁN, 1995, stat. nov.**

*commoda* (STAUDINGER, 1889)  
*stenoptera* BOURSIN, 1970<sup>303</sup>

**Subgenus *Gryphadena* KUZNETSOV, 1908**

*minuta* PÜNGELER, 1900<sup>304</sup>

**Subgenus *Eremohadena* RONKAY, VARGA & FÁBIÁN, 1995, stat. nov.**

*halimi* (MILLIÈRE, 1877)  
*roseonitens* (OBERTHÜR, 1887)  
*chenopodiphaga* (RAMBUR, 1832)  
*immunda* (EVERSMANN, 1842)

**Genus *Antitype* HÜBNER, [1821]**

*chi* (LINNAEUS, 1758)  
*suda* (GEYER, [1832])  
*jonis* (LEDERER, 1865)

**Genus *Ammoconia* LEDERER, 1857**

*caecimacula* ([DENIS & SCHIFFERMÜLLER], 1775)

<sup>298</sup> Name of the species and synonymy cf. RONKAY et al. (2001). *Hadena roboris* (BOISDUVAL, 1828 is not a homonym of *Noctua roboris* FABRICIUS, 1776 as indicated by several authors (KARSHOLT, in: KARSHOLT & RAZOWSKI, 1996).

<sup>299</sup> According to further examinations and discussions (RONKAY and FIBIGER) this genus has been moved from a position within the "Ipimorphini".

<sup>300</sup> Recorded from S-Ural. NUPPONEN & FIBIGER (in prep.).

<sup>301</sup> New for the European fauna from the western and European part of Kazakhstan (HACKER & MIATLEUSKI, 2001).

<sup>302</sup> Found also in southern European Russia.

<sup>303</sup> S Russia (K. NUPPONEN & FIBIGER, 2002), originally described from Uralsk.

<sup>304</sup> S Russia (leg. J. MIATLEUSKI, det. M. FIBIGER). The species was originally described from Turkmenistan: Merw and Kazakhstan: Iligebiet and is recorded also from SE Europe: S. Ural, Uralsk (KUZNETSOV, 1908; PÜNGELER, 1899).

*senex* (GEYER, [1828])  
*reisseri* RONKAY & VARGA, 1984

**Genus *Ammopolia*** BOURSIN, 1955  
*witzenmanni* (STANDFUSS, 1890)

**Genus *Trigonophora*** HÜBNER, [1821]  
**Subgenus *Trigonophora*** HÜBNER, [1821]

*flammea* (ESPER, [1785])  
*crassicornis* (OBERTHÜR, 1918)  
*jodea* (HERRICH-SCHÄFFER, [1850])

**Subgenus *Pseudaporophyla*** BECK, 1991<sup>306</sup>  
*haasi* (STAUDINGER, 1892)<sup>307</sup>

**Genus *Aporophyla*** GUENÉE, 1841  
**Subgenus *Aporophyla*** GUENÉE, 1841  
*australis* (BOISDUVAL, 1829)

**Subgenus *Phylapora*** BERIO, 1980  
*chioleuca* (HERRICH-SCHÄFFER, 1850)  
*lutulenta* ([DENIS & SCHIFFERMÜLLER], 1775)  
*lueneburgensis* (FREYER, 1848)  
*nigra* (HAWORTH, 1809)  
*canescens* (DUPONCHEL, 1826)

**Genus *Dasyolia*** GUENÉE, 1852  
*templi* (THUNBERG, 1792) (= *alpina* ROGENHOFER, 1866; = *banghaasi* TURATI, 1914; = *calabrolucana* HARTIG, 1971)<sup>308</sup>  
*ferdinandi* RÜHL, 1892  
*esseri* FIBIGER, 1992<sup>309</sup>

**Genus *Polymixis*** HÜBNER, [1820]<sup>310</sup>  
**Subgenus *Eumichtis*** HÜBNER, [1821]<sup>311</sup>  
*lichenea* (HÜBNER, [1813])

<sup>306</sup> RONKAY et al. (2001).

<sup>307</sup> New combination cf. RONKAY et al. (2001).

<sup>308</sup> The taxon *banghaasi* TURATI, 1914 is only a subspecies of *templi* (THUNBERG, 1792) and not a full species (RAINERI & ZILLI, 1995; FIBIGER & HACKER, 1998; RONKAY et al., 2001).

<sup>309</sup> Described from Greece: Crete, Mt. Ida, 28 km East of Heraklion, 2 km East Ideon Andron, 1600m. The species is endemic to Crete.

<sup>310</sup> According to further studies we synonymise the following taxa: *Xanthomixis* BECK, 1996, **syn. n.**; *Serpmixis* BECK, 1991, **syn. n.**; *Propolymixis* BERIO, 1980, **syn. n.**; *Myxinia* BERIO, 1985, **syn. n.**; *Simplitype* BERIO, 1980, **syn. n.**

<sup>311</sup> HACKER & RONKAY (1992b).

**Subgenus *Polymixis* HÜBNER, [1820]**

*polymita* (LINNAEUS, 1761)  
*xanthomista* (HÜBNER, [1819])  
*serpentina* (TREITSCHKE, 1825)  
*argillaceago* (HÜBNER, [1822])  
*rufocincta* (GEYER, [1828])  
*flavicincta* ([DENIS & SCHIFFERMÜLLER], 1775) (= *lajonquieri* BOURSIN, 1963)  
*sublutea* (TURATI, 1909)  
*dubia* (DUPONCHEL, 1836)

**Subgenus *Bischoffia* HACKER & RONKAY, 1992<sup>312</sup>**

*bischoffi* (HERRICH-SCHÄFFER, 1850)  
*culoti* (SCHAWERDA, 1921)

**Subgenus *Parabrachionycha* HACKER, 1990**

*leuconota* (FRIVALDSKY, 1841) (= *leuconota* HERRICH-SCHÄFFER, 1850; = *stigmatica* GUENÉE, 1852; = *malickyi* HACKER & FIBIGER, 1992)<sup>313</sup>  
*tresignata* (MÉNÉTRIÉS, 1848)  
*latesco* FIBIGER, 2001<sup>314</sup>

**Genus *Blepharita* HAMPSON, 1907**

*amica* (TREITSCHKE, 1825)

**Genus *Mniotype* FRANCLEMONT, 1941 (= *Eremobastis* PÉREZ-LÓPEZ & MORENTE-BENÍTEZ, 1996, **syn. n.**)<sup>315</sup>**

*adusta* (ESPER, [1790]) (= *sommeri* LEFEBVRE, 1836)  
*bathensis* (LUTZAU, 1901)  
*anilis* (BOISDUVAL, 1840)  
*spinosa* (CHRÉTIEN, 1910)  
*solieri* (BOISDUVAL, 1840)  
*deluccai* (BERIO, 1976) (= *vallettai* de LAEVER, 1980)  
*satura* ([DENIS & SCHIFFERMÜLLER], 1775)<sup>316</sup>  
*fulva* (ROTHSCHILD, 1914) (subsp. *maribelae* PÉREZ-LÓPEZ & MORENTE-BENÍTEZ, 1996, **comb. n.**)<sup>317</sup>

**Subfamily HADENINAE GUENÉE, 1837<sup>318</sup>**

**Tribus ORTHOSIINI GUENÉE, 1837<sup>319</sup>**

**Genus *Panolis* HÜBNER, [1821]**

*flammea* ([DENIS & SCHIFFERMÜLLER], 1775)

<sup>312</sup> HACKER & RONKAY (1992b).

<sup>313</sup> Taxonomy and synonymy of this nomenclaturally difficult group cf. RONKAY et al. (2001).

<sup>314</sup> Twin species of *tresignata* (MÉNÉTRIÉS, 1848); it was described from Turkmenistan and Southeast Russia: Sarepta.

<sup>315</sup> *Eremobastis* does not belong to the tribe Apameini, although it was described as a subgenus of *Luperina*.

<sup>316</sup> Combination cf. RONKAY et al. (2001).

<sup>317</sup> Described from S. Spain (Granada). A synonym of the North African species *fulva* (ROTHSCHILD, 1914) (HACKER, 2001).

<sup>318</sup> See FIBIGER & LAFONTAINE, 2005, in this volume of *Esperiana*.

<sup>319</sup> RONKAY et al. (2001).

**Genus *Dioszeghyana*** HREBLAY, 1993<sup>320</sup>

*schmidti* (DIOSZEGHY, 1935)

**Genus *Orthosia*** OCHSENHEIMER, 1816

**Subgenus *Orthosia*** OCHSENHEIMER, 1816

*incerta* (HUFNAGEL, 1766)

**Subgenus *Monima*** HÜBNER, [1821]

*miniosa* ([DENIS & SCHIFFERMÜLLER], 1775)

*cerasi* (FABRICIUS, 1775) (= *stabilis* [DENIS & SCHIFFERMÜLLER], 1775)

*dalmatica* (F. WAGNER, 1909)<sup>321</sup>

*cruda* ([DENIS & SCHIFFERMÜLLER], 1775)

*sordescens* HREBLAY, 1993<sup>322</sup>

*populeti* (FABRICIUS, 1781)

**Subgenus *Cororthosia*** BERIO, 1980

*gracilis* ([DENIS & SCHIFFERMÜLLER], 1775)<sup>323</sup>

*opima* (HÜBNER, [1809])

**Subgenus *Semiophora*** STEPHENS, 1829

*gothica* (LINNAEUS, 1758)

**Genus *Anorthoa*** BERIO, 1980<sup>324</sup>

*munda* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Perigrapha*** LEDERER, 1857<sup>325</sup>

**Subgenus *Rororthosia*** BERIO, 1999<sup>326</sup>

*rorida* (FRIVALDSKY, 1835)

*sellingi* (FIBIGER, HACKER & MOBERG, 1996)<sup>327</sup>

**Subgenus *Perigrapha*** LEDERER, 1857

*i-cinctum* ([DENIS & SCHIFFERMÜLLER], 1775)

*circumducta* (LEDERER, 1855)

**Genus *Egira*** DUPONCHEL, 1845

*conspicillaris* (LINNAEUS, 1758)

*tibori* HREBLAY, 1994<sup>328</sup>

<sup>320</sup> HREBLAY (1993): gen. n.

<sup>321</sup> HACKER (1992); FIBIGER & HACKER (1992); RONKAY et al. (2001).

<sup>322</sup> Described from the vicinity of Stavropol, South Russia.

<sup>323</sup> European records of *O. ella* (BUTLER, 1878) need confirmation.

<sup>324</sup> The genus occupies a somewhat transitional position between the *Perigrapha-Harutaeographa* genera-complex and *Orthosia* (cf. HREBLAY, 1996b; RONKAY et al., 2001).

<sup>325</sup> Overview of the genus cf. HREBLAY (1996b).

<sup>326</sup> RONKAY et al. (2001): stat. rev.

<sup>327</sup> Endemic to Crete.

<sup>328</sup> The species is a sister taxon of *conspicillaris* (LINNAEUS, 1758) and occurs in Europe in the SE half of the Balkans. Here and in the western parts of Turkey it is partly sympatric and syntopic with *conspicillaris* (HREBLAY, 1994; RONKAY et al., 2001).

*bulgarica* BESHKOV, 2000<sup>329</sup>  
*anatolica* (HERING, 1933)

**Tribus THOLERINI** BECK, 1996<sup>330</sup>

**Genus *Tholera*** HÜBNER, [1821]

*cespitis* ([DENIS & SCHIFFERMÜLLER], 1775)  
*decimalis* (PODA, 1761)  
*hilaris* (STAUDINGER, 1901)

**Genus *Cerapteryx*** CURTIS, 1833

*graminis* (LINNAEUS, 1758)

**Tribus HADENINI** GUENÉE, 1837<sup>331</sup>

**Genus *Anarta*** OCHSENHEIMER, 1816 (= *Tricholea* GROTE, 1883; = *Hadula* STAUDINGER, 1889; = *Discestra* HAMPSON, 1905)<sup>332</sup>

**Subgenus *Trichoclea*** GROTE, 1883 (= *Hadula* STAUDINGER, 1889)<sup>333</sup>

*sabulorum* (ALPHÉRAKY, 1882)

**Subgenus *Cardiestra*** BOURSIN, 1963

*halolimna* (GYULAI & VARGA, 1998)<sup>334</sup>

**Subgenus *Calocestra*** BECK, 1991

*pugnax* (HÜBNER, [1824])  
*odontites* (BOISDUVAL, 1829) (= *microdon* GUENÉE, 1852; (= *marmorosa* BORKHAUSEN, 1792)<sup>335</sup>  
*colletti* (SPARRE-SCHNEIDER, 1876)<sup>336</sup>  
*farnhami* (GROTE, 1873)<sup>337</sup>  
*imperspicua* HACKER, 1998<sup>338</sup>  
*mendax* (STAUDINGER, 1879)  
*hoplites* (STAUDINGER, 1901)<sup>339</sup>  
*nupponenorum* HACKER & FIBIGER, 2002<sup>340</sup>  
*dianthi* (TAUSCHER, 1809)  
*trifolii* (HUFNAGEL, 1766)  
*gredosi* (de LAEVER, 1977)  
*stigmosa* (CHRISTOPH, 1887)

<sup>329</sup> Described from Bulgaria: Rhodopi Mts., Assenova Krepost above Assenovgrad town (BESHKOV, 2000) after a single male specimen.

<sup>330</sup> See FIBIGER & LAFONTAINE, 2005.

<sup>331</sup> Cf. HACKER, RONKAY & HREBLAY (2002) and the *Hadena* Revision by HACKER, 1998a.

<sup>332</sup> Tim McCABE, pers. comm.

<sup>333</sup> Tim McCABE, pers. comm.

<sup>334</sup> Described from the European part of Kazakhstan (HACKER, 1998a).

<sup>335</sup> HACKER (1998a): synonymy.

<sup>336</sup> This species was described from the Norwegian mountains and occurs in Europe additionally in the Ural Mountains, while *furca* (EVERSMANN, 1852) ranges only in the northern part of Central Asia (HACKER, 1998a).

<sup>337</sup> This species, originally described from North America, occurs in the Palaeartic Region in the subspecies *palaeartica* HACKER, 1998. It was found in Europe once in Finland: Rovaniemi.

<sup>338</sup> This third European species of the *colletti* species group occurs in Europe only in Norway (HACKER, 1998a).

<sup>339</sup> In Europe known from the easternmost part: S. Ural: Guberla (HACKER, 1998a).

<sup>340</sup> This very remarkable and beautiful species was recorded by T. & K. NUPPONEN from the South Ural, distr. Orenburg, Pokrovka vill., 20 km S Schibendy and southward from the vicinity of Volgograd (HACKER, 1998a).

*sodae* (RAMBUR, 1829)  
*melanopa* (THUNBERG, 1791)

**Subgenus *Anarta*** OCHSENHEIMER, 1816

*myrtilli* (LINNAEUS, 1761)

**Genus *Coranarta*** HACKER, 1998<sup>341</sup>

*cordigera* (THUNBERG, 1788)  
*restricta* YELA, 2002<sup>342</sup>

**Genus *Cardepia*** HAMPSON, 1905<sup>343</sup>

*sociabilis* (de GRASLIN, 1850)  
*affinis* (ROTHSCHILD, 1913) (= *deserticola* sensu auct.)<sup>344</sup>  
*irrisoria* (ERSHOV, 1874)<sup>345</sup>  
*hartigi* (PARENZAN, 1981) (with subsp. *additamenda* HACKER, 1998)<sup>346</sup>  
*helix* (BOURSIN, 1962)

**Genus *Clemathada*** BECK, 1996<sup>347</sup>

*calberlai* (STAUDINGER, 1883)

**Genus *Polia*** OCHSENHEIMER, 1816

*bombycina* (HUFNAGEL, 1766)  
*hepatica* (CLERCK, 1759) (= *trimaculosa* ESPER, [1788]); = *tincta* BRAHM, 1791  
*nebulosa* (HUFNAGEL, 1766)  
*cherrug* RAKOSY & WIESER, 1997  
*malchani* (DRAUDT, 1934)<sup>348</sup>  
*vespertilio* (DRAUDT, 1934)<sup>349</sup>  
*serratilinea* OCHSENHEIMER, 1816 (= *serratilinea* TREITSCHKE, 1825; = *spalax* ALPHÉRAKY, 1887)  
*conspicua* (A. BANG-HAAS, 1912)<sup>350</sup>  
*richardsoni* (CURTIS, 1835)  
*lamuta* (HERZ, 1903) (= *asiatica* auct.)  
*altaica* (LEDERER, 1853)<sup>351</sup>

**Genus *Pachetra*** GUENÉE, 1841

*sagittigera* (HUFNAGEL, 1766)

**Genus *Lacanobia*** BILLBERG, 1820<sup>352</sup>

**Subgenus *Lacanobia*** BILLBERG, 1820

<sup>341</sup> Revision cf. HACKER (1998a).

<sup>342</sup> This species is closely related to *cordigera* (THUNBERG, 1788) and *C. carbonaria* (Siberia and Far East) and occurs in Central Spain (YELA; 2002; HACKER et al., 2002).

<sup>343</sup> Revision cf. HACKER (1998a).

<sup>344</sup> Synonymy cf. HACKER et al. (2002).

<sup>345</sup> The area of this eastern species covers the SE European Russia and the Crimea (HACKER, 1998a; HACKER et al., 2002).

<sup>346</sup> HACKER et al. (2002): synonymy.

<sup>347</sup> For the position of the genus, see FIBIGER and LAFONTAINE, 2005.

<sup>348</sup> An East and Central Palaeartic species which extends westward to the South Ural region (HACKER et al., 2002).

<sup>349</sup> Similarly distributed as *malchani* (DRAUDT, 1934) (HACKER et al., 2002).

<sup>350</sup> Subsp. *sabmeana* MIKKOLA, 1980 in Finland; subsp. *conspicua* is the Central Siberian population.

<sup>351</sup> One further species new to the European fauna found by T. & K. NUPPONEN in the South Ural (HACKER et al., 2002).

<sup>352</sup> Revision by BEHOUNEK (1992).

*w-latinum* (HUFNAGEL, 1766)

**Subgenus *Dianobia*** BEHOUNEK, 1992<sup>353</sup>

*thalassina* (HUFNAGEL, 1766)

*contigua* ([DENIS & SCHIFFERMÜLLER], 1775)

*suasa* ([DENIS & SCHIFFERMÜLLER], 1775)

**Subgenus *Diataraxia*** HÜBNER, [1821]

*oleracea* (LINNAEUS, 1758)

*splendens* (HÜBNER, [1808])

*aliena* (HÜBNER, [1809])

*blenna* (HÜBNER, [1824]) (= *peregrina* TREITSCHKE, 1825)

*praedita* (HÜBNER, [1813])

**Genus *Melanchra*** HÜBNER, [1820]

*persicariae* (LINNAEUS, 1761)

*granti* WARREN, 1905<sup>354</sup>

**Genus *Hypobarathra*** HAMPSON, 1905

*icterias* (EVERSMANN, 1843)

**Genus *Ceramica*** GUENÉE, 1852

*psi* (LINNAEUS, 1758)

**Genus *Papestra*** SUKHAREVA, 1973

*biren* (GOEZE, 1781) (= *glauca* HÜBNER, [1809])

**Genus *Hada*** BILLBERG, 1820

*plebeja* (LINNAEUS, 1761) (= *nana* HUFNAGEL, 1766)<sup>355</sup>

**Genus *Hyssia*** GUENÉE, 1852

*cavernosa* (EVERSMANN, 1842) (= *gozmanyi* KOVACS, 1968)

**Genus *Mamestra*** OCHSENHEIMER, 1816

*brassicae* (LINNAEUS, 1758)

**Genus *Sideridis*** HÜBNER, [1821]

**Subgenus *Sideridis*** HÜBNER, [1821]

*lampra* (SCHAWERDA, 1913) (= *anapheles* NYE, 1975; = *evidens* HÜBNER, [1808])

*turbida* (ESPER, 1790) (= *albicolon* HÜBNER, [1813])<sup>356</sup>

<sup>353</sup> *Obvia* (EVERSMANN, 1856) is a dubious taxon and omitted by both authors, BEHOUNEK (1992) and HACKER et al. (2002).

<sup>354</sup> HACKER et al. (2002): comb. n.

<sup>355</sup> Taxonomy and nomenclature cf. MIKKOLA & HONEY (1993).

<sup>356</sup> Synonymy cf. HACKER (1008b; HACKER et al., 2002).

*egena* (LEDERER, 1853)

**Subgenus *Aneida*** SUKHAREVA, 1973

*rivularis* (FABRICUS, 1775)

**Subgenus *Heliophobus*** BOISDUVAL, 1829

*reticulata* (GOEZE, 1781)

*kitti* (SCHAWERDA, 1914)

*unicolor* (ALPHÉRAKY, 1889)<sup>357</sup>

**Subgenus *Dianthivora*** VARGA & RONKAY, 1991<sup>358</sup>

*implexa* (HÜBNER, [1809])

**Genus *Saragossa*** STAUDINGER, 1900

*seeboldi* STAUDINGER, 1900

*siccanorum* (STAUDINGER, 1870)

*demotica* (PÜNGELER, 1902)<sup>359</sup>

*uralica* HACKER & FIBIGER, 2002<sup>360</sup>

*porosa* (EVERSMANN, 1854)<sup>361</sup>

**Genus *Conisania*** HAMPSON, 1905

**Subgenus *Conisania*** HAMPSON, 1905<sup>362</sup>

*leineri* (FREYER, 1836)

*cervina* (EVERSMANN, 1842)<sup>363</sup>

*arterialis* (DRAUDT, 1936)<sup>364</sup>

*poelli* (STERTZ, 1915)

*renati* (OBERTHÜR, 1890)

*arida* (LEDERER, 1855)<sup>365</sup>

**Subgenus *Luteohadena*** BECK, 1991<sup>366</sup>

*luteago* ([DENIS & SCHIFFERMÜLLER], 1775) (= *behouneki* de FREINA, 1983)<sup>367</sup>

*andalusica* (STAUDINGER, 1859)

*literata* (FISCHER VON WALDHEIM, 1840)

**Genus *Hecatera*** GUENÉE, 1852<sup>368</sup> (= *Epipsammia* STAUDINGER, 1879 **syn. n.**)<sup>369</sup>

*deserticola* STAUDINGER, 1879

<sup>357</sup> HACKER et al. (2002): South Ural Mts. Recorded from South-Ural (Guberla) (BEHOUNEK, 1986). In this region the two species *reticulata* (GOEZE, 1790) and *unicolor* (ALPHÉRAKY, 1889) occur sympatrically: *reticulata* (GOEZE, 1781), „Süd-Ural“ (ex coll. BARTEL) (gen.prep. HACKER 10674) (ZSM).

<sup>358</sup> VARGA & RONKAY (1991); HACKER et al. (2002).

<sup>359</sup> HACKER et al. (2002): comb. n.

<sup>360</sup> HACKER et al. (2002): sp. n.

<sup>361</sup> HACKER et al. (2002): combination.

<sup>362</sup> Revision of the genus *Hadena* SCHRANK, 1802 (HACKER, 1996).

<sup>363</sup> Distinct species and not subspecies of *leineri* (FREYER, 1836) (HACKER et al., 2002).

<sup>364</sup> European part of Kazakhstan (HACKER, et al., 2002).

<sup>365</sup> Found in the Southern Ural region in the subspecies *nupponenorum* HACKER & FIBIGER, 2002 (HACKER et al., 2002).

<sup>366</sup> Revision of the genus *Hadena* SCHRANK, 1802 (HACKER, 1996).

<sup>367</sup> Revision of the genus *Hadena* SCHRANK, 1802 (HACKER, 1996): syn. n.

<sup>368</sup> The genus was erroneously interpreted as *Aetheria* HÜBNER, [1821] (NOWACKI & FIBIGER in KARSHOLT & RAZOWSKI, 1996; LERAUT, 1997 and authors thereafter) (HACKER et al., 2002).

<sup>369</sup> Examination of specimens recorded by J. MIATLEUSKI from the European part of Kazakhstan have revealed that *Epipsammia* (type species, *deserticola*) is a synonym of *Hecatera*.



*bicolorata* (HUFNAGEL, 1766)  
*corsica* (RAMBUR, 1832)  
*weissi* (DRAUDT, 1934)<sup>370</sup>  
*dysodea* ([DENIS & SCHIFFERMÜLLER], 1775) (= *faroulti* ROTHSCILD, 1914)  
*cappa* (HÜBNER, [1809])  
*[digramme* (FISCHER VON WALDHEIM, 1820)]<sup>371</sup>

**Genus *Enterpia*** GUENÉE, 1850<sup>372</sup>

*laudeti* (BOISDUVAL, 1840)  
*roseocandida* HACKER, 1996<sup>373</sup>  
*picturata* (ALPHÉRAKY, 1882)<sup>374</sup>

**Genus *Hadena*** SCHRANK, 1802<sup>375</sup>

**Subgenus *Hadena*** SCHRANK, 1802

*bicuris* (HUFNAGEL, 1766)  
*capsincola* ([DENIS & SCHIFFERMÜLLER], 1775)<sup>376</sup>  
*azorica* MEYER & FIBIGER, 2002<sup>377</sup>  
*magnolii* (BOISDUVAL, 1829)  
*compta* ([DENIS & SCHIFFERMÜLLER], 1775) (= *armeriae* GUENÉE, 1852)<sup>378</sup>  
*confusa* (HUFNAGEL, 1766)  
*variolata* (STAUDINGER, 1892)<sup>379</sup>  
*adriana* (SCHAWERDA, 1921)<sup>380</sup>  
*gueneei* (STAUDINGER, 1901)  
*albimacula* (BORKHAUSEN, 1792)  
*vulcanica* (TURATI, 1907) (with subsp. *urumovi* DRENOWSKI, 1931, and subsp. *expectata* HACKER, 1996)<sup>381</sup>  
*archaica* HACKER, 1996<sup>382</sup>  
*perpetua* HACKER, 1996<sup>383</sup>  
*luteocincta* (RAMBUR, 1834) (= *azarai* AGENJO, 1940)  
*wehrlii* (DRAUDT, 1934)<sup>384</sup>  
*orihuela* HACKER, 1996<sup>385</sup>  
*persimilis* HACKER, 1996<sup>386</sup>  
*filograna* (ESPER, [1788]) (= *filigrana* ESPER, [1796]; = *consparcata* FREYER, 1844)<sup>387</sup>

<sup>370</sup> HACKER (2001) and HACKER et al. (2002): stat. rev.

<sup>371</sup> Taxonomic identity problematic and uncertain (HACKER et al., 2002).

<sup>372</sup> HACKER (1996); HACKER et al. (2002): taxonomic revision; stat. rev.

<sup>373</sup> HACKER (1996): sp. n.

<sup>374</sup> HACKER (1996); HACKER et al. (2002): comb. n.

<sup>375</sup> Revision of the genus *Hadena* SCHRANK, 1802 (HACKER, 1996).

<sup>376</sup> HACKER (1996) subdivided the species known as *bicuris* into two species, distinguishable mainly by female genitalia. The distribution boundary crosses Central Europe and Sweden (HACKER, 1996; PALMQUIST, 1997). *H. bicuris* (HUFNAGEL, 1766) shows atlanto-mediterranean origin, while *capsincola* ([DENIS & SCHIFFERMÜLLER], 1775) seems to have a Mongolian origin.

<sup>377</sup> Endemic on the Acores, Portugal (HACKER et al., 2002).

<sup>378</sup> HACKER (1996); HACKER et al. (2002): syn. n.

<sup>379</sup> This species with mainly Central and Eastern Palaearctic distribution touches Europe in the S. Urals and Bashkiria (HACKER, 1996; HACKER et al. (2002)).

<sup>380</sup> HACKER (1996); HACKER et al. (2002): stat. rev. The taxon *armeriae* GUENÉE, 1852, described from SE-Russia and formerly used for the species with ponto-mediterranean distribution, is only a subspecies of *compta* ([DENIS & SCHIFFERMÜLLER], 1775), whereas the name of the other species is *adriana* (SCHAWERDA, 1921).

<sup>381</sup> The taxon *expectata* HACKER, 1996 is treated by YELA (2002) at species rank.

<sup>382</sup> Described from South Spain (HACKER, 1996).

<sup>383</sup> Described from Turkey and Macedonia: Kale, lake Ohrid (HACKER, 1996).

<sup>384</sup> This species is rare in Southern and Central Spain (ssp. *wehrlii* DRDT.) and widely distributed in the Balkans and in Turkey (ssp. *frequens* HACKER, 1996).

<sup>385</sup> Described from South and Central Spain (HACKER, 1996).

<sup>386</sup> Described from South Russia, Ukraine and the Central Balkan (HACKER, 1996).

<sup>387</sup> Concerning the question whether the name of the species is *filograna* (ESPER, [1788]) or *filigrana* ESPER, [1796] cf. HACKER (1996) and again HACKER et al. (2002).

*consparcatooides* (SCHAWERDA, 1928)  
*caesia* ([DENIS & SCHIFFERMÜLLER], 1775)  
*clara* (STAUDINGER, 1901)  
*drenowskii* (REBEL, 1930)<sup>388</sup>

**Subgenus *Anepia*** HAMPSON, 1918<sup>389</sup>

*perplexa* ([DENIS & SCHIFFERMÜLLER], 1775)  
*irregularis* (HUFNAGEL, 1766)  
*syriaca* (OSTHELDER, 1933) (= *imitaria* BRANDT, 1947)  
*ruetimeyeri* BOURSIN, 1951  
*nevadae* (DRAUDT, 1933)  
*christophi* (MÖSCHLER, 1862)  
*silenes* (HÜBNER, [1822]) (= *variegata* F. WAGNER, 1929)  
*sancta* (STAUDINGER, 1859)

**Subgenus *Maschukia*** HACKER, 1996<sup>390</sup>

*pumila* (STAUDINGER, 1879)  
*scythia* KLYUCHKO & HACKER, 1996<sup>391</sup>

**Subgenus *Pinkericola*** HACKER, 1987

*tephroleuca* (BOISDUVAL, 1833) (= *asiatica* F. WAGNER, 1931)

**Subgenus *Pronotestra*** HAMPSON, 1905

*silenides* (STAUDINGER, 1895)

**Tribus LEUCANIINI** GUENÉE, 1837 (= Tribus MYTHIMNINI RUNGS, 1956)<sup>392</sup>

**Genus *Mythimna*** OCHSENHEIMER, 1816

**Subgenus *Mythimna*** OCHSENHEIMER, 1816 (= *Aletia* HÜBNER, 1821)<sup>393</sup>

*turca* (LINNAEUS, 1761)  
*velutina* (EVERSMANN, 1846)  
*pudorina* ([DENIS & SCHIFFERMÜLLER], 1775)  
*conigera* ([DENIS & SCHIFFERMÜLLER], 1775)  
*pallens* (LINNAEUS, 1758)  
*favicolor* (BARRETT, 1896)  
*deserticola* (BARTEL, 1903)  
*impura* (HÜBNER, [1808])  
*straminea* (TREITSCHKE, 1825)  
*vitellina* (HÜBNER, [1808])

**Subgenus *Pseudaletia*** FRANCLEMONT, 1951

*unipuncta* (HAWORTH, 1809)

**Subgenus *Sablia*** SUKHAREVA, 1973

*anderreggii* (BOISDUVAL, 1840)

<sup>388</sup> The species *melanochroa* (STAUDINGER, 1892) has never been found in Europe (HACKER, 1996).

<sup>389</sup> Revision cf. HACKER (1992b; 1996).

<sup>390</sup> Revision cf. HACKER (1996): subgen. n.

<sup>391</sup> Described from some steppe reserves of Ukraine (HACKER, 1996).

<sup>392</sup> See FIBIGER & LAFONTAINE, 2005.

<sup>393</sup> Synonymy cf. HACKER, RONKAY & HREBLAY (2002).

*alopecuri* (BOISDUVAL, 1840)  
*albiradiosa* (EVERSMANN, 1852)  
*sicula* (TREITSCHKE, 1835) (= *scirpi* DUPONCHEL, 1836)  
*opaca* (STAUDINGER, 1900)<sup>394</sup>

**Subgenus *Prodigithymna*** HACKER, RONKAY & HREBLAY, 2002

*prominens* (WALKER, 1856) (= *hispanica* BELLIER, 1863)

**Subgenus *Morphopoliana*** HREBLAY, 1996

*languida* (WALKER, 1858) (= *consanguis* auct., nec GUENÉE, 1852)<sup>395</sup>

**Subgenus *Hyphilare*** HÜBNER, [1821]

*albipuncta* ([DENIS & SCHIFFERMÜLLER], 1775)  
*ferrago* (FABRICIUS, 1787)  
*litoralis* (CURTIS, 1827)  
*congrua* (HÜBNER, [1817])  
*algorica* (OBERTHÜR, 1918)  
*umbriger*a (SAALMÜLLER, 1891)  
*l-album* (LINNAEUS, 1767)

**Subgenus *Anapoma*** BERIO, 1980

*riparia* (RAMBUR, 1829)

**Genus *Leucania*** OCHSENHEIMER, 1816

**Subgenus *Leucania*** OCHSENHEIMER, 1816

*comma* (LINNAEUS, 1761)  
*obsoleta* (HÜBNER [1803])  
*zeae* (DUPONCHEL, 1827) (= *putrida* STAUDINGER, 1889)  
*palaestinae* STAUDINGER, 1897 (= *languida* STAUDINGER, 1898)  
*putrescens* (HÜBNER, [1824])  
*punctosa* (TREITSCHKE, 1825)  
*herrichii* HERRICH-SCHÄFFER, 1849  
*joannisi* BOURSIN & RUNGS, 1952 (= *arbia* BOURSIN & RUNGS, 1952)

**Subgenus *Acantholeucania*** RUNGS, 1953

*loreyi* (DUPONCHEL, 1827)

**Genus *Senta*** STEPHENS, 1834

*flammea* (CURTIS, 1828) (= *stenoptera* STAUDINGER, 1892)

**Tribus ERIOPYGINI** FIBIGER & LAFONTAINE, 2005<sup>396</sup>

**Genus *Lasionycta*** AURIVILLIUS, 1892 (= *Eriopygodes* HAMPSON, 1905<sup>397</sup>; = *Anartomima* BOURSIN, 1952<sup>398</sup>; = *Lasionhada* BERIO, 1981)

<sup>394</sup> South Ural Mts (HACKER, RONKAY & HREBLAY, 2002).

<sup>395</sup> The *Mythimna consanguis*-, *languida*-, *madensis*-, *natalensis*- species group (*Morphopoliana*) was revised by HREBLAY (1996).

<sup>396</sup> See FIBIGER & LAFONTAINE, 2005, in this volume of *Esperiana*.

<sup>397</sup> Syn. n. (HACKER et al., 2002).

<sup>398</sup> Syn. n. (HACKER et al., 2002).

*skraelingia* (HERRICH-SCHÄFFER, 1852)  
*proxima* (HÜBNER, [1809])  
*leucocycla* (STAUDINGER, 1857) (= *dovrensis* WOCKE, 1864)  
*staudingeri* (AURIVILLIUS, 1891) (= *leucocycla* auct.)  
*secedens* (WALKER, 1858) (= *bohemani* STAUDINGER, 1861)<sup>399</sup>  
*imbecilla* (FABRICIUS, 1794)<sup>400</sup>  
*impar* (STAUDINGER, 1870)<sup>401</sup>

**Tribus GLOTTULINI** GUENÉE, 1852<sup>402</sup>

**Genus *Brithys*** HÜBNER, [1821]

*crini* (FABRICIUS, 1775) (= *pancratii* CYRILLO, 1787; = *encausta* HÜBNER, [1808])<sup>403</sup>

**Subfamily NOCTUINAE** LATREILLE, 1809<sup>404</sup>

**Tribus AGROTINI** RAMBUR, 1848<sup>405</sup>

**Subtribus AUSTRANDESIINA** ANGULO & OLIVARES, 1990<sup>406</sup>

**Genus *Peridroma*** HÜBNER, [1821]

*saucia* (HÜBNER, [1808])

**Subtribus AGROTINA** RAMBUR, 1848<sup>407</sup>

[All Palaearctic genera and subgenera of Agrotina are mentioned here]

**Genus *Actebia*** STEPHENS, 1829<sup>408</sup>

**Subgenus *Actebia*** STEPHENS, 1829

*praecox* (LINNAEUS, 1758)  
*fennica* (TAUSCHER, 1837)

**Subgenus *Protexarnis*** McDUNNOUGH, 1929

*squalida* (GUENÉE, 1852)

**Subgenus *Parexarnis*** BOURSIN, 1946

*fugax* (TREITSCHKE, 1825)

<sup>399</sup> Comb. n. (HACKER et al., 2002).

<sup>400</sup> Comb. n. (HACKER et al., 2002).

<sup>401</sup> Comb. n. (HACKER et al., 2002).

<sup>402</sup> Arrangement following KITCHING and RAWLINS (1999).

<sup>403</sup> ZILLI & ROMANO (1992); FIBIGER & HACKER (1992) synonym.

<sup>404</sup> Taxonomy and systematic cf. FIBIGER (1990, 1993a, 1997b).

<sup>405</sup> Position of the tribe, validation and sequence of genera see LAFONTAINE & FIBIGER, 2004 in LAFONTAINE, 2004,- see FIBIGER & LAFONTAINE, 2005, in this volume of Esperiana.

<sup>406</sup> FIBIGER & LAFONTAINE, 2005,-in this volume of Esperiana. Only one genus and one species occur in the Old World and in the Nearctic region.

<sup>407</sup> FIBIGER & LAFONTAINE, 2005,-in this volume of Esperiana. The changes here are extensive, they are treated in detail (world wide) in the systematic chapter by LAFONTAINE & FIBIGER in Fascicle 27, pt. 1 of the North American MONA book-series (LAFONTAINE, 2004).

<sup>408</sup> FIBIGER & LAFONTAINE, 2005,-in this volume of Esperiana.

[Subgenus *Hemiexarnis* STEPHENS, 1829; in the Old World only in Central and Eastern Asia]

[Subgenus *Perissandria* WARREN, 1909; in the Old World only in Central and Eastern Asia]

**Subgenus *Ledereragrotis* VARGA, 1991**

*multifida* (LEDERER, 1870)

**Genus *Dichagyris* LEDERER, 1857<sup>409</sup>**

**Subgenus *Albocosta* FIBIGER & LAFONTAINE, 1997<sup>410</sup> (= *Basistriga* FIBIGER & LAFONTAINE, 1997)**

*musiva* (HÜBNER, [1803])

*flammatra* ([DENIS & SCHIFFERMÜLLER], 1775)

**Subgenus *Stenosomides* STRAND, 1942**

*spissilinea* (STAUDINGER, 1896)

*mansoura* (CHRÉTIEN, 1911)

**Subgenus *Dichagyris* LEDERER, 1857 (= *Yigoga* NYE, 1975; = *Phleboeis* CHRISTOPH, 1887, -a monotypic taxon in Central Asia)<sup>411</sup>**

*vallesiaca* (BOISDUVAL, [1837])

*tyrannus* (A. BANG-HAAS, 1912)

*squalorum* (EVERSMANN, 1856)

*eremicola* (STANDFUSS, 1888)

*squalidior* (STAUDINGER, 1901)<sup>412</sup>

*lux* FIBIGER & K. NUPPONEN, 2002<sup>413</sup>

*multicuspis* (EVERSMANN, 1852)

*candelisequa* ([DENIS & SCHIFFERMÜLLER], 1775)

*melanura* (KOLLAR, 1846)

*rhadamanthys* (REISSER, 1958)

*leucomelas* (BRANDT, 1941)<sup>414</sup>

*imperator* (A. BANG-HAAS, 1912) (= *alcarriensis* CALLE & AGENJO, 1981)

*duskei* MOBERG & FIBIGER, 1990<sup>415</sup>

*terminicincta* (CORTI, 1933)<sup>416</sup>

*celebrata* (ALPHÉRAKY, 1897)

*himalayensis* TURATI, 1933 (in Europe only subsp. *despecta* CORTI & DRAUDT, 1933)

*renigera* (HÜBNER, [1808])

*erubescens* (STAUDINGER, 1892)

*forficula* (EVERSMANN, 1851)

*constanti* (MILLIÈRE, 1860)

*lutescens* (EVERSMANN, 1844)

*romanovi* (CHRISTOPH, 1885)<sup>417</sup> (= *karsholti* FIBIGER, 1990)

<sup>409</sup> FIBIGER & LAFONTAINE, 2005, -in this volume of Esperiana.

<sup>410</sup> FIBIGER (1997b) gen. n.

<sup>411</sup> FIBIGER & LAFONTAINE, 2005, -in this volume of Esperiana. The species-groups (in this large Holarctic subgenus) – which do not merit subgeneric status – are separated by blank lines, sequenced from the most ancestral to the most derived group.

<sup>412</sup> See also POLTAVSKY & NEKRASOV, 2002: S. Russia, Rostov-Don region.

<sup>413</sup> Type locality: S Ural.

<sup>414</sup> S Russia: Rostov/Don-region (POLTAVSKY & NEKRASOV, 2002).

<sup>415</sup> FIBIGER (1997b): Russia: Sarepta. The species *D. stellans* (CORTI & DRAUDT, 1933) does not occur in Europe. see also K. NUPPONEN & FIBIGER (2002).

<sup>416</sup> S Russia: Kalmykia Republic (POLTAVSKY & NEKRASOV, 2002).

<sup>417</sup> Subsp. *serraticornis* (STAUDINGER, 1898) (HACKER, 2001) - the only European subsp. *serraticornis* Stgr. occurs in Spain.

*flavina* (HERRICH-SCHÄFFER, 1852)

*truculenta* (LEDERER, 1853)

*nigrescens* (HÖFNER, 1888) (= *romanoi* BERIO, 1980)<sup>418</sup>

*forcipula* ([DENIS & SCHIFFERMÜLLER], 1775)

*insula* FIBIGER, 1997<sup>419</sup>

*iranicola* KOÇAK, 1990<sup>420</sup>

*fidelis* (de JOANNIS, 1903)

*celsicola* (BELLIER, 1859)

*gracilis* (F. WAGNER, 1929)

*signifera* ([DENIS & SCHIFFERMÜLLER], 1775)

*soror* FIBIGER, 1997<sup>421</sup>

*orientis* (ALPHÉRAKY, 1882)

*nachadira* (BRANDT, 1941) (in Europe occurs the subsp. *pseudorientis* BOURSIN, 1952)<sup>422</sup>

**Genus *Eucoptocnemis*** GROTE, 1874<sup>423</sup>

**Subgenus *Cladocerotis*** HAMPSON, 1903 (= *Pachyagrotis* BOURSIN, 1953)

*optabilis* (BOISDUVAL, 1834)

*ankarensis* REBEL, 1931<sup>424</sup>

**Genus *Euxoa*** HÜBNER, 1821

**Subgenus *Chorizagrotis*** SMITH, 1890

*penelope* FIBIGER, 1997<sup>425</sup>

*adumbrata* (EVERSMANN, 1842)<sup>426</sup>

*lidia* (STOLL, 1782)

**Subgenus *Pleonectopoda*** GROTE, 1873

*hilaris* (FREYER, 1838)

*derrae* HACKER, 1985

*haverkampfi* (STANDFUSS, 1893)

*continentalis* REISSER, 1935<sup>427</sup>

*nevadensis* CORTI, 1928

**Subgenus *Euxoa*** HÜBNER, [1821]<sup>428</sup>

*sibirica* (BOISDUVAL, [1837])<sup>429</sup>

*conspicua* (HÜBNER, 1827) (= *agricola* BOISDUVAL, 1829)

*temera* (HÜBNER, [1808])

418 See FIBIGER (1990).

419 FIBIGER (1997b): Greece: Crete.

420 FIBIGER (1997b): In Europe only one specimen from Russia: Sarepta.

421 FIBIGER (1997b): Greece; Turkey.

422 FIBIGER (1997b): Ukraine.

423 FIBIGER & LAFONTAINE, 2005, -in this volume of *Esperiana*. Premises described in detail in LAFONTAINE and FIBIGER, 2004 in LAFONTAINE, 2004.

424 *Tischendorfii* (PÜNGELER, 1925) is listed from Istanbul, but its occurrence is now well known and limited to Israel, Jordan, Lebanon, Syria, and the neighbouring area in Turkey (HACKER, 2001); therefore the correct species is probably *E. (C.) ankarensis*.

425 FIBIGER (1997b): Greece: Ag. Paraskevi near Konitsa, Joannina, 750m, 19.ix.1992.

426 FIBIGER (1997b): bona species and not synonym of *E. lidia* (STOLL, 1782); the f. *friedeli* PINKER, [1980] occurs in southern Ural (K. NUPPONEN & FIBIGER, 2002).

427 FIBIGER (1997b) bona species and not subspecies of *haverkampfi* (STANDFUSS, 1893).

428 The species-groups – which do not merit subgeneric status – are separated by blank lines, sequenced from the most ancestral to the most derived group.

429 FIBIGER (1997b): Russia.

*ochrogaster* (GUENÉE, 1852)<sup>430</sup>  
*phantoma* (I.KOZHANCHIKOV, 1928)<sup>431</sup>  
*cursoria* (HUFNAGEL, 1766)  


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*birivia* ([DENIS & SCHIFFERMÜLLER], 1775)  


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*wagneri* CORTI, 1926  
*oranaria* (A. BANG-HAAS, 1906) (= *psimmythiosa* BOURSIN, 1958)<sup>432</sup>  


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*glabella* F. WAGNER, 1930  
*distinguenda* (LEDERER, 1857)  
*emolliens* (HAMPSON, 1905) (= *amplexa* CORTI, 1931)<sup>433</sup>  
*christophi* (STAUDINGER, 1870)  


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*vitta* (ESPER, [1789])  
*obelisca* ([DENIS & SCHIFFERMÜLLER], 1775)<sup>434</sup>  


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*segnilis* (DUPONCHEL, 1836)  
*diaphora* BOURSIN, 1928  
*montivaga* FIBIGER, 1997<sup>435</sup>  
*eruta* (HÜBNER, [1827])<sup>436</sup>  
*nigrofusca* (ESPER, [1788])  
*tritici* (LINNAEUS, 1761) (= *crypta* DADD, 1927)<sup>437</sup>  


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*nigricans* (LINNAEUS, 1761)  


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*cos* (HÜBNER, 1824)  


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*aquilina* ([DENIS & SCHIFFERMÜLLER], 1775)  
*hastifera* (DONZEL, 1847) (= *abdallah* OBERTHÜR, 1918)<sup>438</sup>  
*basigramma* (STAUDINGER, 1870)  
*mustelina* (CHRISTOPH, 1877)  


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*fallax* (EVERSMANN, 1854)  
*deserta* (STAUDINGER, 1870)  


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*powelli* (OBERTHÜR, 1912)  


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*triaena* KOZHANTSHIKOV, 1929 (= *sagitta* HÜBNER, [1813] praeocc.)  


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*dsheiron* BRANDT, 1938<sup>439</sup>  
*zernyi* BOURSIN, 1944  


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*mendelis* FERNANDEZ, 1915  


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*decora* ([DENIS & SCHIFFERMÜLLER], 1775)  


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*culminicola* (STAUDINGER, 1870)  


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*recussa* (HÜBNER, 1817)  


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430 Subsp. *ochrogaster* is nearctic; subsp. *islandica* STAUDINGER, 1857 on Iceland; subsp. *rossica* STAUDINGER, 1881 in Eurasia, - the latter migratory to Balticum, Finland, Sweden and Denmark.

431 FIBIGER (1997b): Russia: Ural Mts.

432 FIBIGER (1997b): synonym of *psimmythiosa* BOURSIN, 1958.

433 FIBIGER (1997b): Russia: Uralsk.

434 Synonym by FIBIGER (1997b) of *obelisca* ([DENIS & SCHIFFERMÜLLER], 1775). On Corsica occurs subsp. *corsicola* CORTI, 1928.

435 FIBIGER (1997b): Greece; Turkey.

436 FIBIGER (1997b) bona species and not subspecies of *tritici* (LINNAEUS, 1761).

437 MIKKOLA & HONEY (1993) and lately FIBIGER checked the lectotype of *tritici* and found, that it is identical with the species recognised by FIBIGER (1990 and 1997a) as *crypta* DADD. Our well known „*tritici*“ must therefore be given the first available synonymic name, which is an ESPER name: *nigrofusca* (ESPER, [1788]) (see HACKER, 1998a), not *bisajana* CORTI, 1932 as suggested by LERAUT (1997). See also NOWACKI & FIBIGER (in KARSHOLT & RAZOWSKI, 1996).

438 Synonym by FIBIGER (1997b) of *hastifera* (DONZEL, 1847).

439 Ural (K. NUPPONEN & FIBIGER, 2002).

*malickyi* VARGA, 1990<sup>440</sup>

*acuminifera* (EVERSMANN, 1854)

*foeda* (LEDERER, 1855)

*sabuletorum* (BOISDUVAL, 1840)<sup>441</sup>

**Subgenus *Orosagrotis*** HAMPSON, 1903

*tristis* (STAUDINGER, 1898)<sup>442</sup>

**Genus *Feltia*** WALKER, 1856<sup>443</sup>

**Subgenus *Trichosilia*** HAMPSON, 1918

*nigrita* (GRAESER, 1892)<sup>444</sup>

**Genus *Agrotis*** OCHSENHEIMER, 1816 (= *Lycophorus* STAUDINGER, 1901; = *Powellinia* OBERTHÜR, 1912)<sup>445</sup>

*bigramma* (ESPER, [1790]) (= *crassa* (HÜBNER, [1803])<sup>446</sup>

*obesa* BOISDUVAL, 1829

*lata* TREITSCHKE, 1835 (= *dirempta* STAUDINGER, 1859)<sup>447</sup>

*murinoides* POOLE, 1989<sup>448</sup>

*villosus* (ALPHÉRAKY, 1887)<sup>449</sup>

*lasserre* (OBERTHÜR, 1881)

*pierreti* (BUGNION, 1838)

*boetica* (BOISDUVAL, [1837])<sup>450</sup>

*chretieni* (DUMONT, 1903)

*fatidica* (HÜBNER, [1824])

*luehri* von MENTZER & MOBERG, 1987

*characteristica* ALPHÉRAKY, 1892 (= *robustana* POOLE, 1988)<sup>451</sup>

*ruta* (EVERSMANN, 1851)<sup>451a</sup>

*trifurca* EVERSMANN, 1837

*iremeli* K. NUPPONEN, AHOLA & KULLBERG, 2001<sup>452</sup>

*cinerea* ([DENIS & SCHIFFERMÜLLER], 1775)

*turatii* STANDFUSS, 1888

*simplonia* (GEYER, [1832])

*exclamationis* (LINNAEUS, 1758)

*graslini* RAMBUR, 1848

*segetum* ([DENIS & SCHIFFERMÜLLER], 1775)

*incognita* STAUDINGER, 1888

<sup>440</sup> Described from Greece: Crete; before FIBIGER (1997) confirmed the species status, this taxon was treated as insular subspecies of *heringi* STAUDINGER, 1877. *E. heringi* STAUDINGER, 1877 has not been found in Europe.

<sup>441</sup> FIBIGER (1997b): taxonomy and distribution in Europe: Russia: Sarepta. This species, closely related to *foeda* LED., occurs sympatrically with *foeda* in SE European Russia and Turkey (cf. HACKER, 1990a; FIBIGER 1997a).

<sup>442</sup> The only European *Orosagrotis* species is *tristis* (STAUDINGER, 1898) (FIBIGER, 1997a). *E. deficiens* (F. WAGNER, 1913) is not conspecific with *E. tristis*, see FIBIGER & HACKER (1991); HACKER (1990a); FIBIGER & HACKER, (1998).

<sup>443</sup> FIBIGER & LAFONTAINE, 2005, -in this volume of Esperiana.

<sup>444</sup> Reported for the first time from Europe by SVIRIDOV & LAGUNOV (1987) from the Ural Mountains: Miass; recently from the Ural again from the same locality (K. NUPPONEN & FIBIGER, 2002).

<sup>445</sup> FIBIGER & LAFONTAINE, 2005, -in this volume of Esperiana. The species-groups – which do not merit subgeneric status – are separated by blank lines, sequenced from the most ancestral to the most derived group.

<sup>446</sup> Synonym by HACKER (1998b).

<sup>447</sup> Synonym by ZILLI (1992a).

<sup>448</sup> Recorded from S Russia (K. NUPPONEN & FIBIGER, 2002).

<sup>449</sup> Recorded from S Russia (leg. J. MIATLEUSKI) det. M. FIBIGER.

<sup>450</sup> Year of publication.

<sup>451</sup> FIBIGER (1993); KONONENKO et al. (2002).

<sup>451a</sup> Now more records are known from Ural, 400 km N of Jekaterinburg (K. NUPPONEN, pers. comm.).

<sup>452</sup> Type locality: Ural.



*clavis* (HUFNAGEL, 1766)  
*endogaea* BOISDUVAL, 1834  
*haifae* STAUDINGER, 1897<sup>453</sup>  
*herzogi* REBEL, 1911<sup>454</sup>  


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*vestigialis* (HUFNAGEL, 1766)  
*yelai* FIBIGER, 1990  
*sabulosa* RAMBUR, 1839<sup>455</sup>  
*ripae* (HÜBNER, [1823])  
*desertorum* BOISDUVAL, 1840  
*alexandriensis* BETHUNE-BAKER, 1894<sup>456</sup>  
*schawerdai* BYTINSKI-SALZ, 1937 (= *santoruana* HARTIG, 1939)  
*trux* (HÜBNER, [1824])  
*puta* (HÜBNER, [1803])  
*syricola* CORTI & DRAUDT, 1933<sup>457</sup>  


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*ipilon* (HUFNAGEL, 1766)  


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*spinifera* (HÜBNER, [1808]) (= *biconica* KOLLAR, 1844)<sup>458</sup>

**Tribus NOCTUINI** LATREILLE, 1809<sup>459</sup>

**Subtribus AXYLIIINA** FIBIGER & LAFONTAINE, 2005 (= AXYLIIINA BECK, 1996, nomen nudum)<sup>460</sup>

**Genus *Axylia*** HÜBNER, 1821

*putris* (LINNAEUS, 1761)

**Genus *Ochropleura*** HÜBNER, 1821

*plecta* (LINNAEUS, 1761)  
*leucogaster* (FREYER, [1831])

**Subtribus NOCTUINI** LATREILLE, 1809<sup>461</sup>

**Genus *Diarsia*** HÜBNER, [1821]

*dahlia* (HÜBNER, [1813])  
*brunnea* ([DENIS & SCHIFFERMÜLLER], 1775)

<sup>453</sup> Beside the single specimen from southern Greece, several specimens have now been recorded from Malta (Paul SAMMUT, Antony SEGUNA, and Aldo CATANIA pers. comm.).

<sup>454</sup> A great number of specimens was recorded recently from Malta (Paul SAMMUT, Antony SEGUNA, and Aldo CATANIA pers. comm.).

<sup>455</sup> Year of publication.

<sup>456</sup> FIBIGER (1997b): In Europe in Spain: Cadiz.

<sup>457</sup> The taxon *syricola* was described as a form by CORTI & DRAUDT (cf. HACKER, 1987, 1990a). The Int. Code zool. Nom. (edn 3) Article 45 (g) allows such taxa to be treated as an available name. Therefore it is not necessary to use *syricola* BERIO, described 1936 as subspecific (FIBIGER, 1990, 1997a). The *puta-syricola* group is under revision by FIBIGER & LEGRAIN.

<sup>458</sup> [*Noctua*] *spinifera* HÜBNER is not a homonym of *Phalaena spinifera* VILLERS, 1789, and the binominal *Agrotis spinifera* (HÜBNER, [1808]) should be used and not *Agrotis biconica* (KOLLAR, 1844) as proposed by KOÇAK (1988) (LERAUT, 1997).

<sup>459</sup> The position of the tribe and the sequence of genera follow that in LAFONTAINE, 1998.

<sup>460</sup> FIBIGER & LAFONTAINE, 2005, in this volume of *Esperiana*.

Beside the two European genera, which are distributed with a few species also in the Holarctic region (one species), in the Oriental, and in the Australian regions, all the other genera of this subtribe occur exclusively in the Ethiopian region; -these genera and their groupings are listed in FIBIGER & LAFONTAINE, 2005. All species are under revision by A. LEGRAIN, H. HACKER and M. FIBIGER, in prep.

<sup>461</sup> All genera in this subtribe follows the sequence in LAFONTAINE, 1998. the sequence in each genus are listed from the most ancestral to the most derived.

*mendica* (FABRICIUS, 1775)  
*rubi* (VIEWEG, 1790)  
*florida* (F. SCHMIDT, 1859)  
*guadarramensis* (BOURSIN, 1928)

**Genus *Cerastis*** OCHSENHEIMER, 1816

*rubricosa* ([DENIS & SCHIFFERMÜLLER], 1775)  
*faceta* (TREITSCHKE, 1835)  
*leucographa* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Paradiarsia*** McDUNNOUGH, 1929

*punicea* (HÜBNER, [1803])

**Genus *Netrocerocora*** BARTEL, 1903

*quadrangula* (EVERSMANN, 1844) (= *coraxa* PÜNGELER, 1898; = *quadriplaga* BARTEL, 1903)

**Genus *Lycophotia*** HÜBNER, [1821]

*molothina* (ESPER, [1789])  
*porphyrea* ([DENIS & SCHIFFERMÜLLER], 1775)  
*cissigma* (MÉNÉTRIÉS, 1859)  
*erythrina* (HERRICH-SCHÄFFER, [1852])

**Genus *Epipsilia*** HÜBNER, [1821]

*latens* (HÜBNER, [1809])  
*cervantes* REISSER, 1935  
*grisescens* (FABRICIUS, 1794)

**Genus *Rhyacia*** HÜBNER, [1821]

*helvetina* (BOISDUVAL, 1833)  
*caradrinoides* (STAUDINGER, 1897) (= *hydrilloides* ALPHÉRAKY, 1897)  
*simulans* (HUFNAGEL, 1766)  
*arenacea* (HAMPSON, 1907) (= *pseudosimulans* KOZHANTSHIKOV, 1929)  
*quadrangula* (ZETTERSTEDT, [1839])  
*ledereri* ERSHOV, 1870  
*lucipeta* ([DENIS & SCHIFFERMÜLLER], 1775)  
*nyctymerides* (A. BANG-HAAS, 1922)  
*junonia* (STAUDINGER, 1881)<sup>462</sup>

**Genus *Cyrebia*** GUENÉE, 1852<sup>463</sup>

*anachoreta* (HERRICH-SCHÄFFER, 1851)  
*luperinoides* (GUENÉE, 1852)

**Genus *Chersotis*** BOISDUVAL, 1840

*rectangula* ([DENIS & SCHIFFERMÜLLER], 1775)

<sup>462</sup> FIBIGER (1997b): only one European record from Russia: prov. Volgograd, Loie Beletavic.

<sup>463</sup> Upgraded to genus rank by FIBIGER (1997b).

*andereggii* (BOISDUVAL, 1832)  
*ocellina* ([DENIS & SCHIFFERMÜLLER], 1775)  
*alpestris* (BOISDUVAL, [1837])  
*oreina* DUFAY, 1984  
*transiens* (STAUDINGER, 1897)  
*stridula* (HAMPSON, 1903)<sup>464</sup>  
*multangula* (HÜBNER, [1803]) (= *andreae* DUFAY, 1973)  
*capnistis* (LEDERER, 1872)  
*zukowskyi* (DRAUDT, 1936) (= *hellenica* BOURSIN, 1961)  
*margaritacea* (de VILLERS, 1789)  
*cyrnea* (SPULER, 1908)  
*deplanata* (FREYER, [1831])<sup>465</sup>  
*larixia* (GUENÉE, 1852)  
*elegans* (EVERSMANN, 1837) (= *grammiptera* RAMBUR, [1839])  
*anatolica* (DRAUDT, 1936) (= *elegantula* BOURSIN, 1945)  
*cuprea* ([DENIS & SCHIFFERMÜLLER], 1775)  
*fimbriola* (ESPER, [1803])  
*laeta* (REBEL, 1904)

**Genus *Standfussiana*** BOURSIN, 1946

*dalmata* (STAUDINGER, 1901)  
*wiskotti* (STANDFUSS, 1888)  
*sturanyi* (REBEL, 1906)<sup>466</sup>  
*nictymera* (BOISDUVAL, 1834)  
*insulicola* (TURATI, 1919)  
*lucernea* (LINNAEUS, 1758)

**Genus *Noctua*** LINNAEUS, 1758<sup>467</sup>

*pronuba* (LINNAEUS, 1758)  
*atlantica* WARREN, 1910  
*fimbriata* (SCHREBER, 1759)  
*tirrenica* BIEBINGER, SPEIDEL & HANIGK, 1983  
*orbona* (HUFNAGEL, 1766)  
*interposita* (HÜBNER, 1790)  
*comes* HÜBNER, [1813]  
*carvalhoi* (PINKER, 1983)<sup>468</sup>  
*interjecta* HÜBNER, [1803]  
*janthina* [DENIS & SCHIFFERMÜLLER], 1775  
*janthe* (BORKHAUSEN, 1792)  
*tertia* VON MENTZER, MOBERG & FIBIGER, 1991<sup>469</sup>

**Genus *Divaena*** FIBIGER, 1993<sup>470</sup>

*haywardi* (TAMS, 1926)

<sup>464</sup> Ural Mountains (K. NUPPONEN & FIBIGER, 2002).

<sup>465</sup> FIBIGER (1997b): name of the species.

<sup>466</sup> FIBIGER (1997b): bona species and not subspecies of *defessa* (LEDERER, 1858).

<sup>467</sup> FIBIGER & HACKER (1998) reject the „new“ arrangement of *Noctua* LINNAEUS, 1758, proposed by BECK, KOBES & AHOLA (1993). This division does not take into consideration neither the important features of the female genitalia nor the structure of the male vesica. For critical phylogenetic examination these structures are absolutely necessary.

<sup>468</sup> Described from Portugal: Azores (FIBIGER, 1993a; 1997b).

<sup>469</sup> FIBIGER & HACKER (1992).

<sup>470</sup> FIBIGER (1993a) gen. n.

**Genus *Cryptocala*** BENJAMIN, 1921

*chardinyi* (BOISDUVAL, 1829)

**Genus *Epilecta*** HÜBNER, [1821]

*linogrisea* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Spaelotis*** BOISDUVAL, 1840<sup>471</sup>

*ravida* ([DENIS & SCHIFFERMÜLLER], 1775)

*demavendi* (F. WAGNER, 1931)<sup>472</sup>

*suecica* (AURIVILLIUS, 1890)<sup>473</sup>

*senna* (FREYER, [1829])

**Genus *Opigena*** BOISDUVAL, 1840

*polygona* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Eurois*** HÜBNER, [1821]

*occulta* (LINNAEUS, 1758)

**Genus *Graphiphora*** OCHSENHEIMER, 1816

*augur* (FABRICIUS, 1775)

**Genus *Anaplectoides*** McDUNNOUGH, 1929

*prasina* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Xestia*** HÜBNER, 1818

**Subgenus *Xestia*** HÜBNER, 1818

*baja* ([DENIS & SCHIFFERMÜLLER], 1775)

*sareptana* (HERRICH-SCHÄFFER, 1851)

*stigmatica* (HÜBNER, [1813]) (= *rhomboidea* sensu auctt. nec ESPER, 1790)<sup>474</sup>

*trifida* (FISCHER VON WALDHEIM, 1820)

*castanea* (ESPER, [1798])

*jordani* (TURATI, 1912)<sup>475</sup>

*agathina* (DUPONCHEL, 1827)

*ochreago* (HÜBNER, [1809])

*collina* (BOISDUVAL, 1840)

*kermesina* (MABILLE, 1869)

*xanthographa* ([DENIS & SCHIFFERMÜLLER], 1775)

*cohaesa* (HERRICH-SCHÄFFER, [1849])

*palaestinensis* (KALCHBERG, 1897)

*sexstrigata* (HAWORTH, 1809)

<sup>471</sup> There is still no confirmation of *S. degeniata* (CHRISTOPH, 1877) and *deplorata* (STAUDINGER, 1897) (= *dominans* CORTI & DRAUDT, 1933, **syn. n.**) from Europe; so we exclude them from the European list.

<sup>472</sup> FIBIGER (1993a). There is still no confirmation of specimens recorded from Europe, therefore the species should probably be excluded from this list.

<sup>473</sup> FIBIGER (1993a): bona species and not subspecies of the nearctic *clandestina* (HARRIS, 1841).

<sup>474</sup> Bona sp. (HACKER, 1998b).

<sup>475</sup> FIBIGER (1997b): new combination.

**Subgenus *Megasema* HÜBNER, [1821]**

*c-nigrum* (LINNAEUS, 1758)  
*ditrapezium* ([DENIS & SCHIFFERMÜLLER], 1775)  
*triangulum* (HUFNAGEL, 1766) (= *rhomboidea* ESPER, [1790])<sup>476</sup>  
*kollari* (LEDERER, 1853)  
*ashworthii* (DOUBLEDAY, 1855)  
*wockei* (MÖSCHLER, 1862)<sup>477</sup>

**Subgenus *Pachnobia* GUENÉE, 1852**

*lorezi* (STAUDINGER, 1891) (= *sajana* TSCHEKVERIKOV, 1904; = *kongsvoldensis* GRÖNLIN, 1922)  
*tecta* (HÜBNER, [1808])  
*atrata* (MORRISON, 1875)<sup>478</sup>

**Subgenus *Anomogyna* STAUDINGER, 1871<sup>479</sup>**

*borealis* (NORDSTRÖM, 1933)  
*distensa* (EVERSMANN, 1851)  
*laetabilis* (ZETTERSTEDT, [1839])  
*brunneopicta* (MATSUMURA, 1925)  
*gelida* (SPARRE-SCHNEIDER, 1883)  
*sincera* (HERRICH-SCHÄFFER, 1851)  
*rhaetica* (STAUDINGER, 1871)  
*speciosa* (HÜBNER, [1813])  
*viridescens* (TURATI, 1919)<sup>480</sup>  
*alpicola* (ZETTERSTEDT, [1839])  
*albuncula* (EVERSMANN, 1851)<sup>481</sup>

**Subgenus *Schoyenia* AURIVILLIUS, 1883<sup>482</sup>**

*lyngei* (REBEL, 1923) (= *lankialai* GRÖNBLOM, 1962)  
*liquidaria* (EVERSMANN, 1848)<sup>483</sup> (= *arctica* AURIVILLIUS, 1883)  
*quieta* (HÜBNER, [1813])  
*aequaeva* (BENJAMIN, 1934) (= *brachiptera* KONONENKO, 1981)<sup>484</sup>

**Genus *Eugraphe* HÜBNER, [1821]**

*sigma* ([DENIS & SCHIFFERMÜLLER], 1775)

**Genus *Coenophila* STEPHENS, 1850**

*subrosea* (STEPHENS, 1829)

**Genus *Eugnorisma* BOURSIN, 1946**

**Subgenus *Eugnorisma* BOURSIN, 1946**

*puengeleri* VARGA & RONKAY, 1987

<sup>476</sup> Synonym (HACKER, 1998b).

<sup>477</sup> Found in 1996 in the southern Ural Mountains in a single specimen (FIBIGER, 1997b).

<sup>478</sup> FIBIGER (1997b): Surprisingly this species was found in Sweden near the Norwegian border: Härjedalen, Tännadalen, Skarvruet, 860m in 1994 (ssp. *haraldi* FIBIGER, 1997). Now also recorded from Finland, in several specimens, and from Ural, one specimen (NUPPONEN & FIBIGER, 2002).

<sup>479</sup> This subgenus is synonymised with *Pachnobia* Gn. by LAFONTAINE, 1998.

<sup>480</sup> FIBIGER (1993a; 1997b): bona species and not subspecies of *speciosa* (HÜBNER, [1813]).

<sup>481</sup> FIBIGER (1997b): Ural Mountains.

<sup>482</sup> This subgenus is synonymised with *Pachnobia* Gn. by LAFONTAINE, 1998.

<sup>483</sup> Instead of 1844.

<sup>484</sup> FIBIGER & HACKER (1992): NE Russia (European part). FIBIGER (1997b): synonymy.

*ignoratum* VARGA & RONKAY, 1994<sup>485</sup>  
*chaldaica* (BOISDUVAL, 1840) (= *buraki* KOÇAK, 1983; = *caerulea* F. WAGNER, 1932)<sup>486</sup>  
*insignata* (LEDERER, 1853)  
*eminens* (LEDERER, 1855)<sup>487</sup>  
*miniago* (FREYER, 1840)<sup>488</sup>  
*glareosa* (ESPER, [1788])<sup>489</sup>

**Subgenus *Metagnorisma*** VARGA & RONKAY, 1987

*depuncta* (LINNAEUS, 1761)  
*arenoflavida* (SCHAWERDA, 1934)  
*pontica* (STAUDINGER, 1892)

**Genus *Protolampra*** McDUNNOUGH, [1929]

*sobrina* (DUPONCHEL, 1843)

**Genus *Naenia*** STEPHENS, 1827

*typica* (LINNAEUS, 1758)

**Genus *Nyssocnemis*** LEDERER 1857

*eversmanni* (LEDERER, 1853) (= *obesa* EVERSMAANN, 1846 praeocc.)

**Genus *Isochlora*** STAUDINGER, 1882<sup>490</sup>

*viridis* STAUDINGER, 1882<sup>491</sup>

<sup>485</sup> VARGA & RONKAY (1994): Russia; FIBIGER (1997b).

<sup>486</sup> VARGA & RONKAY (1994): synonymy.

<sup>487</sup> New for the European fauna from the western and European part of Kazakhstan (HACKER & MIATLEUSKI, 2001).

<sup>488</sup> FIBIGER (1997b): new combination.

<sup>489</sup> FIBIGER (1997b): new combination.

<sup>490</sup> We follow LAFONTAINE (1998), and place the genus here; previously it was placed – with doubt – in the subfamily Heliiothinae.

<sup>491</sup> The type-species of *Isochlora* is *viridis*. One specimen is recorded from the Ukraine, Khersonska Obl., Burkuty, 7-8.vi.1996, leg. MICHAÏLOV, coll. G. BEHOUNEK (HREBLAY, L. RONKAY & PLANTE, 1998: 106).

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