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## Some Notes on the Nomenclature of Lepidoptera

by

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## Some Notes on the Nomenclature of Lepidoptera

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### ABSTRACT

This paper is composed of three parts. The first part deals with the species-group names of Lepidoptera, which are originally established in the same nominal genera. In accordance with the code these names are replaced by the junior synonyms of taxa, or failing such synonyms, by new replacement names.

The second part deals with the true publication date of Gerhard's "Versuch einer Monographie der europäischen Schmetterlingsarten *Thecla*, *Polyommatus*, *Lycaena*, *Nemeobius* als Beitrag zur Schmetterlingskunde, 1850-1853" and the species, described in this work.

In the third part of this paper, the taxonomic status of the genus *Roeslerstammia* Zeller, 1839 has been revised with its type-designation and the species, which are currently included.

### INTRODUCTION

While studying the synonymic Catalogue of Turkish Lepidoptera, I have noticed a number of species-group names, which are preoccupied by others in the same nominal genera. These names have been studied in the first part of the paper.

Apart from these, the dates of issue of the parts Gerhards' work entitled "Versuch einer Monographie der europäischen Schmetterlingsarten..." have been investigated by the author. The results have been introduced in the second part of this paper. It is by this means possible to make a critical comparison of Gerhard's species, published in this work with those of Freyer and Herrich-Schaeffer, which are currently considered to be valid.

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Finally, the taxonomic status of the genus *Roeslerstammia* Zeller, 1839 has been studied. The type-designation of the genus has been revised in accordance with the Code and new synonyms and combinations introduced.

#### I- Replacement Names and New Synonyms in Lepidoptera:

This part deals with twentythree species-group names, which are preoccupied. Eight new replacement names have been proposed and fifteen oldest available species-group names have been validated in accordance with the Int. Code zool. Nom., Articles 52-54, 57-60. The results are given below:

#### NOTODONTIDAE

##### 1- CLOSTERA PIGRA STAUDINGERI (nom. nov.)

Pro *Pygaera pigra* var. *ferruginea* Staudinger, 1901 Cat. Lep. Pal. 3(1): 112 No. 870b; nom. praeocc. *Ichthyura ferruginea* Moore, 1865 Proc. zool. Soc. Lond. (1865): 813.

As *ferruginea* Staudinger and *ferruginea* Moore are currently considered in the genus *Clostera* Samouelle, 1819, I propose here a new name for *ferruginea* Staudinger, which is invalid, as it is junior secondary homonym of *ferruginea* Moore.

#### LASIOCAMPIDAE

##### 2- LASIOCAMPA MEDICAGINIS (Borkhausen, 1793) (sp. rev.)

*Bombyx trifolii* [Denis & Schiffermüller], 1775 Ankündigung syst. Werkes Schmett. Wienergegend: 57 (nom. nudum) (syn. nov.)

*Phalaena Bombyx trifolii* Esper, [1783] Die Schmett. 3:87 Tab. 15 fig. 1-6; nec Hufnagel, 1766. (syn.nov.)

*Phalaena Bombyx medicaginis* Borkhausen, 1793 Rhein. mag. 1:363

The authorship of *trifolii* is currently accepted as either Denis & Schiffermüller, 1775 or Esper, [1783]. As a matter of fact, Denis & Schiffermüller's name is simply a nomen nudum, and Esper's name is junior primary homonym of Hufnagel's *trifolii* (in *Noctuidae*). Therefore I propose here *medicaginis* Borkhausen, which seems to be the oldest available name for the taxon, as the valid name.

## NOCTUIDAE

## 3- PORPHYRINIA ROSINA ([Charpentier], 1818) (sp. rev.)

*Phalaena rosea* Hübner, [1791] Beitr. Gesch. Schmett. 2: 50; nec Esper, [1786] Die Schmett. 3. 386 Tab. 77 fig. 1-3

[*Noctua*] *rosina* Hübner, [1800-1803] Samml. eur. Schmett., Noctuae Tab. 61 fig. 299 (non-binominal)

*Noctua rosina* [Charpentier], 1818 Verz. eur. Schmett. 49 fig. 299

I propose here *rosina* Charpentier as valid of the taxon, because *rosea* Hübner, which is currently considered validly, is junior primary homonym of *rosea* Esper and *rosina* Hübner is nomenclatorially unavailable.

## 4- EUCHALCIA CUPREA (Esper, [1790]) (sp. rev.)

*Phalaena Noctua modesta* Hübner, 1786 Beitr. Gesch. Schmett. 1:3, pl. 1 fig. A (nec Müller, 1764 Fauna Friedr. 42)

*Phalaena Noctua cuprea* Esper, [1790] Die Schmett. 4:199, pl. 110 fig. 3 (nec fig. 4).

As *modesta* Hübner, 1786 is junior primary homonym of *modesta* Müller, 1764, I propose here the oldest available name, *cuprea* Esper, [1790] as valid name of this species.

## 5- CALOPHASIA OPALINA (Esper, [1804]) (sp. rev.)

*Phalaena Noctua casta* Borkhausen, 1793 in Scriba's Beitr. 3:212, T. 17 fig. 7 (nec Pallas, 1767 Nova Acad. Caesar. Leop. Carol. 3:437)

*Phalaena Noctua opalina* Esper, [1804] Die Schmett. 4 (2) Abschnitt 2:11, Tab. 182 fig. 3.

As *casta* Borkhausen, 1793 is junior primary homonym of *casta* Pallas, 1767, I propose here the oldest available name, *opalina* Esper [1804] as valid name for this species.

## ARCTIIDAE

## 6- PHRAGMATOBIA ESPERI (nom. nov.)

*Phalaena Bombyx casta* Esper, [1785] Die Schmett. 3: 177 pl. 33 fig. 2 (nec Pallas, 1767 Nova Acad. Caesar. Leop. Carol. 3:437)

*Arctia deserta* Bartel, 1902 Dt. ent. Z., Iris 15: 226-227.

I propose a new name *esper* nom.nov. for *casta* Esper, which is invalid, as it is junior primary homonym of *casta* Pallas, 1767. The oldest available name of any subspecies of the species is *deserta* Bartel; therefore this species and the proposed new name should in future be called as follows:

*Phragmatobia deserta deserta* Bartel

*Phragmatobia deserta esper* Koçak.

7- **APANTESIS TIGRINA** (de Villers, 1789) (sp. rev.):

*Phalaena Bombyx fasciata* Esper, [1785] Die Schmett. 3. 178 pl. 33 fig. 3 (nec Scopoli, 1763 Ent. Carn. 221 No. 550)

*Phalaena tigrina* de Villers, 1789 Linn. ent. 2:159 Tab. 5 fig.5

I propose here the oldest available name, *tigrina* de Villers, 1789 for the species, because *fasciata* Esper, which is currently considered validly, is junior primary homonym of *fasciata* Scopoli, 1763.

8- **PAIDIA RICA** (Freyer, [1855]) (sp. rev.)

*Phalaena Bombyx murina* Esper, [1787] Die Schmett. 3 (Fortsetzung): 49, Tab. 88 Cont. 9 fig. 1 (nec Hufnagel, 1766)

*Bombyx vestita* Hübner, 1796 Samml. eur. Schmett. 3: 18 Tab. 17 fig. 62 (nec Fabricius, 1775)

*Lithosia rica* Freyer, [1855] Neuere Beitr. 7 (109): 73 Tab. 642 fig.3

As *murina* Esper, [1787] and *vestita* Hübner, 1796 are preoccupied names, I propose here the oldest available name, *rica* Freyer, [1855] as valid name for the species.

## GEOMETRIDAE

9- **STERRHA POLITARIA** ([Charpentier], 1818) (sp. rev.)

*Phalaena politata* Hübner, 1793 Samml. auser. Vögel Schmett., 1 (nec Stoll, 1787).

[*Geometra*] *politaria* Hübner, [1796-1799] Samml. eur. Schmett. Geometrae Tab. 12 fig. 61 (non-binominal)

*Geometra politaria* [Charpentier], 1818 Verz. eur. Schmett. 62 fig. 61.

As *politata* Hübner is junior primary homonym of *politata* Stoll, I propose here the oldest available name, *politaria* Charpentier, 1818 as valid name for the species. *Politaria* Hübner, 1799 is nomenclatorially unavailable.

10- **BICHROMA INTRICATARIA** (de Villers, 1789) (sp. rev.)

*Phalaena famula* Esper, [1789] Die Schmett. 4 (1): 164 Tab. 106 fig. 4 (nec Cramer, 1782)

*Phalaena intricataria* de Villers, 1789 Linn. Ent. 2: 327

As *famula* Esper is junior primary homonym of *famula* Cramer, I propose here the oldest available name, *intricataria* de Villers as valid name for the species.

11- **PYGMAENA VENETARIA** ([Charpentier], 1818) (sp. rev.)

*Phalaena fusca* Thunberg, 1792 Dissert. ent. 4:53 fig. 2 (nec. Cramer, 1782)

[*Geometra*] *venetaria* Hübner, [1800-1809] Samml. eur. Schmett. Geometrae Tab. 64 fig. 329 (non-binominal)

*Geometra venetaria* [Charpentier], 1818 Verz. eur. Schmett. 66 fig. 329

As *fusca* Thunberg, 1792 is junior primary homonym of *fusca* Cramer, I propose here the oldest available name, *venetaria* Charpentier, 1818 as valid name for the species. *Venetaria* Hübner, 1809 is nomenclatorially unavailable.

#### TORTRICIDAE

12- **EPINOTIA HUEBNERIANA** (nom. nov.)

[*Tortrix*] *ustulana* Hübner, [1811-1813] Samml. eur. Schmett., Tortrices Tab. 36 Fig. 231 (non-binominal)

*Tortrix ustulana* [Charpentier], 1818 Verz. eur. Schmett., 79 fig. 231 (nec *Tortrix ustulana* Haworth, [1811] Lep. Brit., 467)

I propose a new name *huebneriana* for *ustulana* Charpentier, which is invalid, as it is junior primary homonym of *Tortrix ustulana* Haworth, currently considered validly under the name *Endothenia ustulana* Haworth (*Tortricidae*).

Under the Law of Homonymy *ustulana* Hübner, which is nomenclatorially unavailable, cannot be used instead of *ustulana* Charpentier.

13- **EPINOTIA HUEBNERI** (nom. nov.)

[*Tortrix*] *pygmaeana* Hübner, [1796-1799] Samml. eur. Schrett., Tortrices Tab. 12 fig. 69 (non-binominal)

*Tortrix pygmaeana* [Charpentier], 1818 Verz. eur. Schmett., 77 fig. 69 (nec *Tortrix pygmeana* Haworth. [1811] Lep. Brit., 439).

I propose a new name *huebneri* for *pygmaeana* Charpentier, which is invalid as it is junior primary homonym of *pygmeana* Haworth, currently considered validly under the name *Acrolepia pygmeana* Haworth (*Acrolepiidae*).

Under the Law of Homonymy, *pygmaeana* Hübner, [1799], which is nomenclatur ally unavailable, cannot be used instead of *pygmaeana* Charpentier.

#### PYRAUSTIDAE

14- **SITOCHROA HUEBNERI** (nom. nov.)

[*Pyralis*] *sulphuralis* Hübner, [1811-1813] Samml. eur. Schmett., Pyralides, Tab. 26 fig. 166-167 (non-binominal)

*Pyralis sulphuralis* [Charpentier], 1818 Verz. eur. Schmett. 71 fig. 166-167 (nec *Pyralis sulphuralis* Thunberg, 1784 Dissert. ent. 1: 28 Tab. 3 fig. 14).

I propose a new name *huebneri* for *sulphuralis* Charpentier, which is invalid, as it is junior primary homonym of *sulphuralis* Thunberg.

Under the Law of Homonymy, *sulphuralis* Hübner, [1813], which is nomenclatorially unavailable, cannot be used instead of *sulphuralis* Charpentier.

15- **HELIOTHELA HUEBNERI** (nom. nov.)

*Pyralis atralis* Hübner, 1796 Samml. eur. Schmett. 6: 12-13, pl. 5 fig. 27 (nec *Pyralis atralis* Thunberg, 1784 Dissert. ent. 1: 29 Tab. 3 fig. 13).



I propose here a new name *huebneri* (nom. nov.) for *atralis* Hübner, which is invalid, as it is *junior primary* homonym of *atralis* Thunberg.

### OECOPHORIDAE

#### 16- HOLOSCOLIA HUEBNERI (nom. nov).

[*Tinea*] *forficella* Hübner, [1810-1813] Samml. eur. Schmett., Tineae pl. 50 fig. 343 (non-binominal)

*Tinea forficella* [Charpentier], 1818 Verz. eur. Schmett., 83 fig. 343 (nec *Tinea forficella* Thunberg, 1794 Dissert. ent. 7:85 Tab. 4 fig. 4)

I propose a new name *huebneri* for *forficella* Charpentier, which is invalid, as it is *junior primary* homonym of *forficella* Thunberg, currently considered validly under the name *Schoenobius forficellus* Thunberg (*Schoenobiinae*).

Under the Law of Homonymy, *forficella* Hübner, which is nomenclatorially unavailable, cannot be used instead of *forficella* Charpentier.

### GELECHIIDAE

#### 17- XYSTOPHORA UMBRIFERELLA (Herrich-Schaeffer, [1854]) (sp. rev).

*Tinea atrella* Haworth, [1828] Lep. Brit., 567 (nec *Tinea atrella* Thunberg, 1794 Dissert. ent. 7:91) (syn. nov.)

As *atrella* Haworth is *junior primary* homonym of *atrella* Thunberg, I propose here the oldest available name, *umbriferella* Herrich-Schaeffer, [1854] (Syst. Bearb. Schmett. 5. 195 fig. 524) as valid name for this species.

#### 18- DICHOMERIS CLARELLA (Treitschke, 1833) (sp. rev.)

*Tinea marginella* Fabricius, 1781 Ins. Sp. 307 (nec *Tinea marginella* [Denis & Schiffermüller], 1775 Ankündigung syst. Werkes Schmett. Wienergegend 135)

*Tinea striatella* Hübner, 1796 Samml. eur. Schmett. 8:49 fig. 154 (nec *Tinea striatella* [Denis & Schiffermüller], 1775 Ibid. 135)

As *marginella* Fabricius and *striatella* Hübner are junior primary homonyms of Schiffermüller's names, I propose here the oldest available name, *clarella* Treitschke, 1833 (Schmett. Eur. 9 (2): 54) as valid name for this species.

#### ELACHISTIDAE

19- **ELACHISTA MONOSEMIELLA** Roessler, 1881 (sp. rev.)

*Tinea cerusella* Hübner, 1796 Samml. eur. Schmett. 8: 63, Tab. 27 fig. 182 (nec *Tinea cerussella* [Denis & Schiffermüller], 1775 Ankündigung syst. Werkes Schmett. Wienergegend: 135).

As *cerusella* Hübner, 1796 is junior primary homonym of *cerussella* [Denis & Schiffermüller], 1775 (cf. also Article 58 (6)), I propose here the oldest available name, *monosemiella* Roessler, 1881 as valid name, which was recently established by Traugott-Olsen & Schmidt-Nielsen (1977 The *Elachistidae* (Lepidoptera) of Fennoscandia and Denmark, 99) as junior subjective synonym of *cerusella* Hübner.

#### SCYTHRIDAE

20- **SCYTHRIS TRIGUTTELLA** Duponchel, 1838 (sp. rev.)

[*Tinea*] *scopolella* Hübner, [1799] Samml. eur. Schmett. Tineae Tab. 36 fig. 246 (non-binominal)

*Tinea scopolella* [Charpentier], 1818 Verz. eur. Schmett. 89 fig. 246 (nec *Tinea scopolella* Hübner, 1796 *Ibid.* 8: 66, Tab. 21 fig. 145 and Fabricius, 1787 Mant. Ins. 2: 252)

As *scopolella* Charpentier is junior primary homonym of *scopolella* Hübner, 1796 and also Fabricius, 1787, I propose here the oldest available name *triguttella* Duponchel, 1838 (in Godart & Duponchel, Hist. nat. Lepid. 9: 298, 14) as valid name for the species. *Scopolella* Hübner, 1799 is nomenclatorially unavailable.

#### TINEIDAE

21- **MONOPIS USTELLA** (Haworth, [1828] (sp. rev.)

[*Tinea*] *ferruginella* Hübner, [1810-1813] Samml. eur. Schmett. Tineae Tab. 51 fig. 348 (non-binominal)

*Tinea ferruginella* [Charpentier], 1818 Verz. eur. Schmett. 83 fig. 348 (nec *Tinea ferruginella* Thunberg, 1794 Dissert. ent. 7:84)

[*Tinea*] *splendella* Hübner, [1810–1813] Ibid. Tineae Tab. 56 fig. 381 (non binominal)

*Tinea splendella* [Charpentier], 1818 Verz. eur. Schmett. 90 fig. 381 (nec *Tinea splendella* [Denis & Schiffermüller], 1775 Ankündigung syst. Werkes Schmett. Wienergegend: 320).

*Tinea ustella* Haworth, [1828] Lep. Brit., 565.

As *ferruginella* Charpentier and *splendella* Charpentier are junior primary homonyms of Thunberg's and Denis & Schiffermüller's names respectively, I propose here the oldest available name, *ustella* Haworth as valid name for this species.

Under the Law of Homonymy, *ferruginella* Hübner and *splendella* Hübner, which are nomenclaturally unavailable, cannot be used instead of Charpentier's names.

22- **ARCHINEMAPOGON ARCUATELLA** Staiton, 1859 (sp. rev.)

*Tinea laterella* Thunberg, 1794 Dissert. ent. 7: 94 (nec Denis & Schiffermüller, 1775 Ankündigung eines syst. Werkes schmett. Wienergegend: 137).

*Tinea picarella* Hübner. 1796 Samml. eur. Schmett. 8: 17 fig. 219 (nec Clerck, 1759).

*Tinea arcuatella* Stainton, 1859 Manual Brit. Butts. Moths 2:291

As *laterella* Thunberg is junior primary homonym of *laterella* Denis & Schiffermüller, I propose here *arcuatella* Stainton, 1859 as valid name for this species.

#### ADELIDAE

23- **NEMOTOIS HUEBNERI** (nom. nov.)

[*Tinea*] *pfeifferella* Hübner, [1810–1813] Samml. eur. Schmett. Tineae Tab., 63 fig. 422 (non-binominal).

*Tinea pfeifferella* [Charpentier], 1818 Verz. eur. Schmett. 87. fig. 422 (nec [*Tinea*] *pfeifferella* Hübner, [1810–1813] Ibid.,

Tab. 59 fig. 398 (non-binominal), *Tinea pfeifferella* [Charpentier], 1818 *Ibid.*, 87 fig. 398).

As *pfeifferella* Charpentier (fig. 422) is *junior primary* homonym of *pfeifferella* Charpentier (fig. 398), I propose here a new name *huebneri* (nom. nov.) for *pfeifferella* Charpentier (fig. 422). *Pfeifferella* Charpentier (fig. 398) is currently considered a valid name in the genus *Antispila* Hübner, 1825 (*Antispilidae*).

Under the Law of Homonymy, *pfeifferella* Hübner, which is nomenclatorially unavailable, cannot be used instead of Charpentier's name.

**II- Notes on the Publication Dates of the Parts of Gerhard's "Versuch einer Monographie der europäischen Schmetterlingsarten *Thecla*, *Polyommatus*, *Lycaena*, *Nemeobius* als Beitrag zur Schmetterlingskunde, 1850-1853", with a Review of some Species Published in this Work:**

While studying on some West-Asiatic *Lycaenid*-species, described by Gerhard in his work titled "Versuch einer Monographie....", I noticed that this work had not been published totally in the year of 1853 as originally indicated on title page. This work is composed of ten parts and each of the parts contains a few pages of text and plates. So far as I am aware, there is no published dates of issue of the parts of this work.

The evidences about the dates, which I fortunately found among the reports of Library of "Stettin ent. Ztg." and some notes of the authors like Hagen, Keferstein and Meyer-Dür, show that parts of Gerhard's work issued between April 1850 and July 1853.

According to these, 1.-3. parts must have been published as late as April 1850 (Hagen 1862:272). 4. and 5. parts have been issued before May 1851 (Keferstein 1851:222). 6. and 7. parts of the work must have been published before November 1851 (Stettin ent. Ztg. 12 (1851): 322 and according to Meyer-Dür's indication (1852). 8. part of this work should have appeared prior to November 1851 as in the case of 6 and 7. parts. Finally 9. part before Decem-

ber 1852 (Stettin ent. Zgt. 13:424) and 10. part must have been issued prior to July 1853 (Ibid. 14:224).

In the light of the foregoing conclusion, dates of the parts of Gerhard's Monopgraph may be summarized in the following table:

Part	Page	Plate	Proposed dates for each parts
1	3-4	1-4	April 1850
2	5	5-8	April 1850
3	7-8	9-12	April 1850
4	9	13-16	May 1851
5	11	17-20	May 1851
6	13	21-24	November 1851
7	15	25-28	November 1851
8	17	29-32	November 1851
9	19	33-36	December 1852
10	21	37-39	July 1853

It is now possible for the first time to make a critical comparison of some Gerhard's species with those of Freyer and Herrich-Schaeffer, which are currently considered to be valid.

The inevitable changes in nomenclature of some species have been introduced below:

### LYCAENIDAE

#### 1- *TERSAMONIA KEFERSTEINI* (Gerhard, [1850]) (sp. rev.)

*Polyommatus kefersteini* Gerhard, [1850] Versuch Monogr. eur. Schmett., 7, No. 21, Pl. 9 fig. 4a (♂) b, c (♀).

[*Polyommatus*] *ochimus* Herrich-Schaeffer, [1851] Syst. Bearb. Schmett. Pap. fig. 523-526 (non-binominal) (syn. nov.)

*Lycaena phaeton* Freyer, [1852 July] Neuere Beitr. 6(96): 144 pl. 571 fig. 2.

*Polyommatus ochimus* Herrich-Schaeffer, [1852] Syst. Bearb. Schmett. 6:31-32 (syn. nov.).

*Polyommatus ochimus* Herrich-Schaeffer, which is currently considered validly, have been illustrated in 1851 without generic name, but described in 1852 in accordance to the rules. On the

other hand, Gerhard's *kefersteini* have been published in 1850. As it was the oldest available name, I propose *kefersteini* Gerhard as the valid name for the species.

2- **THERSAMONIA ASABINUS** (Gerhard, [1850]) (sp. rev.)

*Polyommatus asabinus* Gerhard, [1850] Versuch Monogr. eur. Schmett. 7, No. 20, pl, 9 fig. 3a (♂), b, c (♀).

[*Polyommatus*] *asabinus* Herrich-Schaeffer, [1851] Syst. Bearb. Schmett. Pap. fig. 527-528 (non-binominal) (syn. nov).

*Polyommatus helius* Herrich-Schaeffer, [1852] Ibid. 6: 32

*Polyommatus asabinus* Herrich-Schaeffer, which is considered validly, have originally illustrated in 1851 without generic name; therefore it is nomenclaturally unavailable. Afterwards Herrich Schaeffer described this species in text not under the name of *asabinus*, but *helius*. However, the oldest available name of this species is Gerhard's *asabinus*, published available in the year 1850. I also propose it as the valid name of this species.

3- **TURANANA ENDYMION** (Gerhard, [1851]) (sp. rev.)

*Lycaena endymion* Gerhard, [1851, may] Versuch Monogr. eur. Schmett. 9, No. 23, Pl. 16 fig. 2a-b.

[*Lycaena*] *panagaea* Herrich-Schaeffer, [1851] Syst. Bearb. Schmett. Pap. fig. 490-493 (non-binominal). (syn.nov.)

*Lycaena endymion* Freyer, [1852] Neuere Beitr. 6 (96): 145-146 pl. 572 fig. 2,3.

*Lycaena panagaea* Herrich-Schaeffer, [1852] Syst. Bearb. Schmett. 6:30. (syn.nov.)

*Lycaena panagaea* Herrich-Schaeffer, which is currently considered validly, have been illustrated in 1851 without generic name; therefore this description is nomenclaturally unavailable. One year later, he described the same species in the text of the same work. However, the oldest available name of this species is Gerhard's *endymion*, which is published in 1851. I also propose here *endymion* Gerhard as the valid name for this species.

4- **PLEBEJUS CARMON** (Gerhard, [1851] sp. rev.)

*Lycaena carmon* Gerhard, [1851 November] Versuch Monogr. eur. Schmett. 15, No. 58 Pl. 25 fig. 1a (♂), b c (♀).

*Lycaena eurypilus* Freyer, [1852 July] Neuere Beitr. 6 (96): 148 Tab. 573. (syn. nov.)

I propose here *carmon* Gerhard as the valid name of this species, which takes precedence over the name *eurypilus* Freyer, which is currently considered to be the valid name.

5- **AGRODIAETUS EURYPILOS** (Gerhard, [1851]) (sp. rev.)

*Lycaena eurypilus* Gerhard, [1851 May] Versuch Monogr. eur. Schmett. 11, No. 38 Pl. 20 fig. 1a (♂) b c (♀).

[*Lycaena*] *carmon* Herrich-Schaeffer, [1851 End] Syst. Bearb. Schmett. 6: 24, suppl. Pap. 506-507 (non-binominal) nec Gerhard, [1851] (syn. nov.)

*Lycaena carmon* Herrich-Schaeffer, 1851 (December) is invalid, because it is junior primary homonym of *carmon* Gerhard, 1851 (November), and also the name *eurypilus* Gerhard, 1851 (May) takes precedence over it. For these reasons, I propose here the oldest available name *eurypilus* Gerhard as the valid name of this species.

6- **AGRODIAETUS ATYS** (Gerhard, [1851]) (sp. rev.)

*Lycaena atys* Gerhard, [1851 May] Versuch Monogr. eur. Schmett., 11. No. 36, Pl. 19 fig. 3a (♂), b c (♀).

[*Lycaena*] *actis* Herrich-Schaeffer, [1851] Syst. Bearb. Schmett. 6:24, suppl. Pap. fig. 496-499 (non-binominal) (syn. nov.)

I propose here *atys* Gerhard, [1851 (May)] as the valid name of this species, as it takes precedence over the name *actis* Herrich-Schaeffer, 1851 (December), which is currently used validly.

7- **AGRODIAETUS HOPFFERI** (Gerhard, [1851]) (sp. rev.)

*Lycaena hopfferi* Gerhard, [1851 November] Versuch Monogr. eur. Schmett., 13, No. 43, Pl. 21 fig. 2a b (♂), c (♀).

*Lycaena hopfferi* Herrich-Schaeffer, [1851] Syst. Bearb. Schmett. 6:24, suppl. Pap. fig. 512-514. (syn. nov.)

I propose here *hopfferi* Gerhard, 1851 (November) as the valid name of this species, as it takes precedence over the name *hopfferi* Herrich-Schaeffer, 1851 (December), which is currently used validly.

8- **SUBLYSANDRA CORNELIA** (Freyer, [1852]) (sp. rev.)

[*Lycaena*] *candalus* Herrich-Schaeffer, [1851] Syst. Bearb. Schmett. Pap. fig. 502-505 (non-binominal) (syn. nov.)

*Lycaena cornelia* Freyer, [1852 May] Neuere Beitr. 6 (96). 145, pl. 572 fig. 1.

*Lycaena cornelia* Gerhard, [1852 December] Versuch Monogr. eur. Schmett., 17, No. 74 pl. 29 fig. a b (♂), c (♀).

*Lycaena candalus* Herrich-Schaeffer, [1852 End] Syst. Bearb. Schmett. 6:26-27. (syn. nov.)

*Lycaena candalus* Herrich-Schaeffer has been illustrated in 1851 without generic name; therefore it is nomenclaturally unavailable. He described the same species available in the text of the same work in 1852 (December). On the other hand, prior to this date, Freyer described the same species under the name *cornelia*, and a few months later Gerhard described it under the same name.

Although *candalus* Herrich-Schaeffer is currently considered to be valid, I accept *cornelia* Freyer, 1852 (May) as the valid name of this species, as it takes precedence over those of Herrich-Schaeffer's and Gerhard's names.

**III. On the Status of the Genus *Roeslerstammia* Zeller, 1839 (Microlepidoptera):**

Taxonomic status of the genus (*Roeslerstammia* Zeller is not clear enough. Meyrick (1895 Handb. Brit. Lepid., 770) accepted it as a genus of *Tineidae* but in *Lepidopterorum Catalogus* 19: 1914) he treated it in the family *Hyponomeutidae*. While Gaedike (1970) and Fletcher (1929), Pierce & Metcalfe (1935), Heslop (1961) (the latter cited in Gaedike) included it in the family *Plutellidae*, others like Wocke (1871), Rebel (1901) in the family *Acrolepiidae*. Bradley (1972) in Kloet & Hincks's Check-List



settled this genus in the subfamily *Yponomeutinae* But yet Friese (1960) excluded this genus in his revision of *Yponomeutidae*.

The original description of *Roeslerstammia* Zeller, 1839 (Isis: 202-203) is given below:

202 "29) *Roeslerstammia* Zell. -Kopfhaar glatt, aber am Hinterkopf rauh. Palpen ziemlich kurz, fast fadenförmig, aufgekümmert. Zunge mittelmässig. Fühler borstenförmig, dünn ungefähr von der Länge des Hinterleibes, Die Hinterflügel oval-lanzettlich oder oval mit sehr Strumpfen Hinterwinkel und mässig langen Fransen. - Diese Gattung ist also von *Gelechia* und *Tinea* ganz verschieden; näher steht Sie den Oecophoren, von denen Sie sich durch die Lage der Kopphaare unterscheidet und den Argyresthien, den welchen aber das wollige Kopfhaar viel weiter in die Stirn hineinreicht und die Hinterflügel gefranzt sind.

A. Die Grundform des Genus, im Habitus und den Zeichnungen genau übereinstimmend, hat spitze Hinterflügel.

B. *Chrysitella* Zell. Die Hinterflügel breit und stumpf. und der Habitus sehr abweichend.

A. 1. *Granitella* Tr., F.R. 1. tab. 8.

2. *Assectella* Zell. -Description.

3. *Heleniella* Kuhlw. Description.

4. *Cariosella* Zell., Tr. *Reticulella* Tr.

B. 5. *Erxlebeniella* Zell. *Aluc. erxebella* Fabr. *Chrysitella* Tr."

Only four species were originally included in the genus *Roeslerstammia*. These are: *granitella* Tt., *assectella* Zell., *heleniella* Zell. (Kuhlw. in litt). and *cariosella* Zell. The fifth species *erxlebeniella* Zeller is by monotypy the type of the second subgenus *Chrysitella* Zeller of *Roeslerstammia* Zeller. Although *Chrysitella* Zeller was ignored for a long time, this genus nomenclaturally available and must be replaced with *Roeslerstammia* auct. which is currently but wrongly used for the species *pronubella* [Denis & Schiffermüller], 1775, which is not originally included in this genus and *erx-*

*lebelli* Fabricius, 1787 (= *erxlebeniella* Zeller) (type-species of *Chrysitella* Zeller).

As to the true *Roeslerstammia* Zeller, which was for a long time ignored, I believe that any type-species for this genus was correctly designated (cf. Friese, 1960) Among the originally included species, *granitella* Tr. and *cariossella* Zeller were used by Gaedike (1970) as valid species of *Digitivalva* Gaedike, 1970. By the same author *assectella* Zeller was treated as valid species of *Acrolepiopsis* Gaedike, 1970 and *heleniella* Zeller as subjective synonym of *Acrolepia pygmeana* Haworth, [1811] in the family *Acrolepiidae*.

Now it is clear that all the species, originally included in the genus *Roeslerstammia* Zeller, 1839 are currently placed in the family *Acrolepiidae*. But all the above mentioned authors believe that *Roeslerstammia* Zeller is a genus of *Plutellidae* or *Yponomeutinae*.

As to the designation of true *Roeslerstammia* Zeller, I found Zeller's usage nomenclaturally correct in designation (cf. Int. Code zool. Nom., Art. 69 (a) (ii) (2)). I also accept here this species as the type-species of this genus and present the synonymy among the related genera and species in the following way:

Family : **ACROLEPIIDAE**

**ROESLERSTAMMIA** Zeller, 1839

Isis (1839): 202-203.

Type-species: *Roeslerstammia assectella* Zeller, 1839 Ibid. 203.

Designation: Zeller, 1853 Stettin ent. Ztg. 14: 85 (secondary monotypy).

= **ACROLEPIOPSIS** Gaedike 1970 (syn. nov.)

Ent. Abh. Mus. Tierk. Dresden 38 (1): 32.

Type-species: *Roeslerstammia assectella* Zeller, 1839

Designation: originally designated.

I propose here *Acrolepiopsis* Gaedike, 1970 as the objective synonym of *Roeslerstammia* Zeller, 1839 in accordance with the Int. Code zool. Nom., Art. 23 (a) (iii) and 61 (b).

Related species are also listed as follows (cf. Gaedike, 1970):

*Roeslerstammia assectella* Zeller, 1839 (comb. nov.)

*Roeslerstammia alliella* (Sem. & Kuzn., 1956) (comb. nov.)

*Roeslerstammia ursinella* (Weber, 1945) (comb. nov.)

*Roeslerstammia tauricella* (Staudinger, 1870) (comb. nov.)

*Roeslerstammia betulella* (Curtis, 1850) (comb. nov.)

*Roeslerstammia marcidella* (Curtis, 1850) (comb. nov.)

*Roeslerstammia vesperella* Zeller, 1850 (comb. nov.)

*Roeslerstammia suzukiella* (Mats., 1931) (comb. nov.)

*Roeslerstammia issikiella* (Moriuti, 1961) (comb. nov.)

*Roeslerstammia postomacula* (Mats., 1931) (comb. nov.)

*Roeslerstammia delta* (Moriuti, 1961) (comb. nov.)

Subfamily: YPONOMEUTINAE

**CHRYSITELLA** Zeller, 1839 (gen. rev.)

Isis (1839): 203.

Type-species: *Chrysitella erxlebeniella* Zeller, 1839 (currently considered as subjective synonym of *Alucita erxlebelli* Fabricius, 1787 Mant. Ins. 2: 256).

Designation: by primary monotypy.

=ROESLERSTAMMIA sensu auctorum (syn. nov.)

Related European species are listed below:

*Chrysitella pronubella* ([Denis & Schiffermüller] 1775) (comb. nov.)

*Chrysitella erxlebelli* (Fabricius, 1787) (comb. nov.)

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### ÖZET

Bu çalışma üç bölümden meydana gelmiştir.

Birinci bölümde Lepidoptera türleri arasında tesbit edilen yirmüç homonim isim ele alınmış ve zoolojik koda uygun olarak bunların sekizine yeni isim teklif edilmiş, geriye kalan onbeşi için de mevcut sinonimler arasından geçerli en eski olan isimler ileri sürülmüştür.

İkinci bölümde Gerhard'ın "Versuch einer Monographie der europäischen Schmetterlingsarten...." adlı çalışmasının on ayrı fasikülden meydana geldiği ileri sürülmüş ve herbir fasikülün 1850-1853 yılları arasında değişik tarihlerde neşrolduğu delilleri ile bir-

likte ortaya çıkarılmıştır. Ayrıca bu çalışma içerisinde yer alan bazı tür isimleri günümüzde halen kullanılanlarla karşılaştırılmış, netice olarak sekiz *Lycaenidae* türü sinonim olarak teklif edilmiş, yerlerine daha eski ve çoğu Gerhard tarafından tarif edilmiş isimler konulmuştur.

Çalışmanın üçüncü bölümünde az bilinen bir Microlepidoptera cinsi *Roeslerstammia* Zeller, 1839 nomenklatur açısından gözden geçirilmiştir. Netice olarak bu cins *Yponomeutinae* altfamilyasından *Acrolepiidae* familyasına transfer edilmiş, bir cins sinonim olarak teklif edilmiş, öneç tür yeni kombinasyon olarak ileri sürülmüştür.

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