

# The authorship of the taxa in the paper of Lienig & Zeller, 1846

REINHARD GAEDIKE<sup>1</sup>

<sup>1</sup> Florusstraße 5, 53225 Bonn, Germany; tinagma@msn.com

<http://zoobank.org/1258F9AB-85AD-434F-8B1C-87D93971D3C8>

Received 10 April 2014; accepted 3 June 2014; published: 8 September 2014  
Subject Editor: Lauri Kaila.

**Abstract.** The authorships of the taxa described in the paper of Lienig & Zeller, 1846, are discussed. The authorship of all species newly described in this paper should be assigned to both. A list of the taxa newly described in that paper and their current taxonomic status is provided.

**Zusammenfassung.** Die Autorenschaft für die in der Arbeit von Lienig & Zeller, 1846, beschriebenen Taxa wird diskutiert. Für alle in dieser Arbeit neu beschriebenen Arten sollten beide Namen als Autoren angesehen werden. Eine Liste der neubeschriebenen Taxa mit ihrem gegenwärtigen taxonomischen Status wird vorgelegt.

## Introduction

In a paper on the Latvian regions of Livland and Curland (Vidzeme and Kurzeme) by Lienig and Zeller (1846) a number of species from several Lepidoptera families were newly described; however, there exist conflicting views with regard to their correct authorships. The reasons for such uncertainty lie in the ambiguous way in which the authorship of this paper is expressed: “...Bearbeitet von Friederike Lienig, geb. Berg, mit Anmerkungen von P. C. Zeller. [worked by Friederike Lienig ..., with annotations by P. C. Zeller]” and in the fact that the names of the described taxa were credited to a variety of authors: “Lienig nov. sp.,” “Zell. nov. sp.,” “nov. spec.,” “Tischer in litt.,” “Heyden nov. sp.,” “Tr[eitschke]. in litt.” As a result, the new taxa were subsequently attributed variously to “Lienig”, “Zeller” or “Lienig & Zeller”.

Examining the text it is hardly possible to be certain in each case which part of an original description was written by Lienig and which by Zeller. Most, if not all, descriptions contain elements contributed by both authors (e.g. biological information and descriptions of the larva are usually by Lienig), and the use of the personal pronoun *I* refers in some instances to Lienig in others to Zeller. It seems therefore justified uniformly to attribute the authorship of all the taxa described as new in that paper jointly to “Lienig & Zeller”.

## List of the taxa newly described by Lienig and Zeller 1846, with their original attribution and their current taxonomic status

***acuminatana*** Zell. nov. sp. (*Grapholitha*[sic!])(p. 256)

Current status: *Dichrorampha acuminatana* (Lienig & Zeller, 1846) – Tortricidae.

***arctata*** Lienig nov. sp. (*Cidaria*) (p. 199)

Current status: *Martania taeniata* (Stephens, 1831)

Syn.: *Cidaria arctata* Lienig & Zeller, 1846 – Geometridae.

***bisontella*** Lienig nov. sp. (*Ochsenheimeria*) (p. 274)

Current status: *Ochsenheimeria urella* Fischer v. Röslerstamm, 1842

Syn.: *Ochsenheimeria bisontella* Lienig & Zeller, 1846 – Ochsenheimeriidae.

***ciniflonella*** Lienig nov. sp. (*Depressaria*) (p. 280)

Current status: *Exaeretia ciniflonella* (Lienig & Zeller, 1846) – Depressariidae.

***comariana*** Lienig nov. sp. (*Teras*) (p. 263)

Current status: *Acleris comariana* (Lienig & Zeller, 1846) – Tortricidae

***conterminata*** nov. spec. (*Larentia*) (p. 197)

Current status: *Eupithecia conterminata* (Lienig & Zeller, 1846) – Geometridae

***costiguttella*** Lienig nov. sp. (*Gelechia*) (p. 290)

Current status: *Brachmia dimidiella* (Denis & Schiffermüller, 1775)

Syn.: *Gelechia costiguttella* Lienig & Zeller, 1846

***cuphana*** Tischer in litt. (*Grapholitha*[sic!]) (p. 245)

Current status: *Rhopobota stagnana* (Denis & Schiffermüller, 1775)

Syn.: *Grapholita cuphana* Lienig & Zeller, 1846. A junior primary homonym of *Grapholita cuphana* Duponchel, 1843 – Tortricidae, Olethreutinae.

Remarks. According to J. Baixeras (pers. comm.) this homonymy has remained hitherto unnoticed.

***deauratella*** Lienig nov. sp. (*Coleophora*) (p. 295)

Current status: *Coleophora deauratella* Lienig & Zeller, 1846 – Coleophoridae.

***diaphanella*** Lg. nov. sp. (*Gelechia*) (p. 285)

Current status: *Helcystogramma rufescens* (Haworth, 1828)

Syn.: *Gelechia diaphanella* Lienig & Zeller, 1846. – Gelechiidae.

***flavaginella*** Lienig (*Coleophora*) (p. 295)

Current status: *Coleophora sternipennella* (Zetterstedt, 1839)

Syn.: *Coleophora flavigenella* Lienig & Zeller, 1846 – Coleophoridae.

***fuliginosella*** Lienig nov. sp. (*Tinea*) (p. 273)

Current status: *Elatobia fuliginosella* (Lienig & Zeller, 1846) – Tineidae.

***gallicolana*** Heyden nov. sp. (*Grapholitha*) (p. 255)

Current status: *Pammene gallicolana* (Lienig & Zeller, 1846) – Tortricidae.

***gimmerthaliana*** Lienig nov. sp. (*Grapholitha*[sic!]) (p. 247)

Current status: *Epinotia gimmerthaliana* (Lienig & Zeller, 1846) – Tortricidae.

Remarks: See *gimmerthaliana*.

***gimmerthaliania*** Lienig nov. sp. (*Grapholitha*[sic!]) (p. 247)

Current status: *Epinotia gimmerthaliana* (Lienig & Zeller, 1846) – Tortricidae.

Remarks: The name *gimmerthaliania* is an incorrect (of a multiple) original spelling. Although it is used in the main heading of this species, the spelling *gimmerthaliana* commences the Latin diagnosis and was subsequently accepted as the correct spelling.

**grandaevana** Lienig nov. sp. (*Pedisca*) (p. 238)

Current status: *Epiblema grandaevana* (Lienig & Zeller, 1846) – Tortricidae.

**hepatariella** Lienig nov. sp. (*Depressaria*) (p. 282)

Current status: *Levipalpus hepatariella* (Lienig & Zeller, 1846) – Depressariidae.

**hübneriana** [sic!] Lienig nov. sp. (*Paedisca*) (p. 237)

Current status: *Pelochrista huebneriana* (Lienig & Zeller, 1846) – Tortricidae.

**immundata** nov. spec. (*Larentia*) (p. 194)

Current status: *Eupithecia immundata* (Lienig & Zeller, 1846) – Geometridae.

**improbata** Tr. in litt. (*Larentia*) (p. 196)

Current status: *Gymnoscelis ruffifasciata* (Haworth, 1809)

Syn: *Larentia improbata* Lienig & Zeller, 1846 – Geometridae.

**incana** Zell. nov. sp. (*Grapholitha*[sic!]) (p. 239)

Current status: *Eucosma wimmerana* (Treitschke, 1835)

Syn: *Grapholitha*[sic!] *incana* Lienig & Zeller, 1846 – Tortricidae.

**inquinatalis** Lienig nov. sp. (*Scopula*) (p. 205)

Current status: *Udea inquinatalis* (Lienig & Zeller, 1846) – Crambidae.

**internella** Lienig nov. sp. (*Gelechia*) (p. 291)

Current status: *Thiotricha subocellea* (Stephens, 1834)

Syn: *Gelechia internella* Lienig & Zeller, 1846 – Gelechiidae.

**lamana** Zell. nov. sp. (*Phoxopterus*) (p. 257)

Current status: *Bactra furfurana* (Haworth, 1811)

Syn: *Phoxopterus lamana* Lienig & Zeller, 1846 – Tortricidae.

**leguminana** Lienig nov. sp. (*Grapholitha*[sic!]) (p. 253)

Current status: *Cydia leguminana* (Lienig & Zeller, 1846) – Tortricidae.

**lienigiana** v. Tischer in litt. (*Penthina*) (p. 213)

Current status: *Argyroploce lediana* Linnaeus, 1758 – Tortricidae.

Syn: *Penthina lienigiana* Lienig & Zeller, 1846

**lienigiella** Zell. n. sp. (*Cosmopteryx*) (p. 298)

Current status: *Cosmopteryx lienigiella* (Lienig & Zeller, 1846) – Cosmopterigidae.

**lucivagana** Lienig nov. sp. (*Sericoris*) (p. 229)

Current status: *Celypha rurestrana* (Duponchel, 1843)

Syn: *Sericoris lucivagana* Lienig & Zeller, 1846 – Tortricidae.

**nitidulana** Lienig nov. sp. (*Phoxopterus*) (p. 259)

Current status: *Gypsonoma nitidulana* (Lienig & Zeller, 1846) – Tortricidae.

**obumbratana** Lienig nov. sp. (*Grapholitha*[sic!]) (p. 240)

Current status: *Eucosma obumbratana* (Lienig & Zeller, 1846) – Tortricidae.

**ochsenheimeriana** Lienig nov. sp. (*Grapholitha*[sic!]) (p. 249)

Current status: *Pammene ochsenheimeriana* (Lienig & Zeller, 1846) – Tortricidae.

**padana** Lienig nov. sp. (*Grapholitha*[sic!]) (p. 243)

Current status: *Epinotia signatana* (Douglas, 1845) – Tortricidae.

Syn: *Grapholitha*[sic!] *padana* (Lienig & Zeller, 1846)

- pallifrontana*** Zell. In litt. (*Grapholitha*[sic!]) (p. 251)  
 Current status: *Grapholita pallifrontana* Zeller, 1845  
 Syn: *Grapholitha*[sic!] *pallifrontana* Lienig & Zeller, 1846 – Tortricidae.  
 Remarks: Zeller (1845) named on p. 14 under *Grapholitha*[sic!] “1630 *Pallifrontana* Zeller: Kreisewitz, im Sommer einzeln” and figured (fig. 15) this species as *Graph. pallifrontana* in: 5. Bericht des schlesischen Tauschvereins für Schmetterlinge 1844. This figure is the valid description of the taxon.
- palustrana*** Lienig nov. sp. (*Sericoris*) (p. 230)  
 Current status: *Phiaris palustrana* (Lienig & Zeller, 1846) – Tortricidae.
- pascualis*** Lienig nov. sp. (*Botys*) (p. 206)  
 Current status: *Udea lutealis* (Hübner, 1809)  
 Syn: *Botys pascualis* Lienig & Zeller, 1846 – Crambidae.
- pinicolana*** Zell. nov. sp. (*Grapholitha*[sic!]) (p. 242)  
 Current status: *Zeiraphera griseana* (Hübner, 1799)  
 Syn: *Grapholitha*[sic!] *pinicolana* Lienig & Zeller, 1846 – Tortricidae.
- pinivorana*** Zell. nov. sp. (*Coccyx*) (p. 225)  
 Current status: *Rhyacionia pinivorana* (Lienig & Zeller, 1846) – Tortricidae.
- plumbatana*** Zell. nov. spec. (*Grapholitha*[sic!]) (p. 249)  
 Current status: *Pammene splendidulana* (Guenée, 1845)  
 Syn: *Grapholitha*[sic!] *plumbatana* Lienig & Zeller, 1846 – Tortricidae.
- postremana*** Lienig nov. sp. (*Sericoris*) (p. 231)  
 Current status: *Priesterognatha penthinana* (Guenée, 1845)  
 Syn: *Sericoris postremana* Lienig & Zeller, 1846 – Tortricidae.
- prolongata*** Lienig nov. sp. (*Larentia*) (p. 198)  
 Current status: *Eupithecia extensaria* (Freyer, 1844)  
 Syn: *Larentia prolongata* Lienig & Zeller, 1846 – Geometridae.
- pruinoseella*** Lienig nov. sp. (*Gelechia*) (p. 288)  
 Current status: *Athrips pruinoseella* (Lienig & Zeller, 1846) – Gelechiidae.
- pulchella*** Lienig nov. sp. (*Argyresthia*) (p. 293)  
 Current status: *Argyresthia pulchella* Lienig & Zeller, 1846 – Argyresthiidae.
- redimitella*** Z. in litt. (*Tin. Lampronia*) (p. 271)  
 Current status: *Lampronia redimitella* (Lienig & Zeller, 1846) – Prodoxidae.
- ruptana*** Lienig (*Teras*) (p. 261)  
 Current status: *Acleris sparsana* (Denis & Schiffermüller, 1775)  
 Syn: *Teras sparsana* var. *ruptana* Lienig & Zeller, 1846 – Tortricidae.
- serraria*** Lienig nov. sp. (*Cidaria*) (p. 200)  
 Current status: *Heterothera serraria* (Lienig & Zeller, 1846) – Geometridae.
- splendidella*** Lienig nov. sp. (*Coleophora*) (p. 296)  
 Current status: *Metriotes lutarea* (Haworth, 1828)  
 Syn: *Coleophora splendidella* Lienig & Zeller, 1846 – Coleophoridae.
- strigulatella*** Lienig in litt. (*Lithocolletis*) (p. 300)  
 Current status: *Phyllonorycter strigulatella* (Lienig & Zeller, 1846) – Gracillariidae.
- suspectana*** Lienig nov. sp. (*Grapholitha*) (p. 255)  
 Current status: *Pammene suspectana* (Lienig & Zeller, 1846) – Tortricidae.

**temerella** Lienig nov. sp. (*Gelechia*) (p. 284)

Current status: *Anacamptis temerella* (Lienig & Zeller, 1846) – Gelechiidae.

**torquatella** Lienig nov. sp. (*Oecophora*) (p. 279)

Current status: *Atemelia torquatella* (Lienig & Zeller, 1846) – Praydidae.

**vacciniana** Tischer in litt. (*Grapholitha*[sic!]) (p. 248)

Current status: *Rhopobota myrtillana* (Humphreys & Westwood, 1845)

Syn: *Grapholitha*[sic!] *vacciniana* Lienig & Zeller, 1846 – Tortricidae.

**vacciniella** Lienig nov. sp. (*Epischnia*)

Current status: *Ortholepis vacciniella* (Lienig & Zeller, 1846) – Pyralidae.

**vinctaria** Lienig nov. spec. (*Idaea*) (p. 203)

Current status: *Macaria loricaria* (Eversmann, 1837)

Syn: *Idaea vinctaria* Lienig & Zeller, 1846 – Geometridae.

### Acknowledgements

I thank Klaus Sattler (Natural History Museum London) for useful comments and for linguistic corrections and Joaquin Baixeras for information concerning the taxonomic status of *cuphana* Lienig & Zeller, 1846.

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