

# Nomenclatural changes in Cicadellidae: Typhlocybinae and Delphacidae (Homoptera)

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## Abstract

New replacement names are proposed for seven species of the subfamily Typhlocybinae; one new synonym is recognized in the family Delphacidae. The following changes are proposed: *Empoasca* (*Empoasca*) *angustata* **nom. nov.** for *Empoasca angusta* Linnavuori & DeLong (not Dworakowska); *Empoasca* (*Empoasca*) *chilensis* **nom. nov.** for *Empoasca diversa* Linnavuori & DeLong (not Vilbaste); *Austroasca verdensis* **nom. nov.** for *Empoasca artemisiae* Lindberg (not Lethierry); *Kropka vidanoi* Dworakowska for *Erythroneura unipunctata* Dlabola (not Cerutti); *Zyginella vietnamica* **nom. nov.** for *Zyginella melichari* Dworakowska (not Kirkaldy); *Eupteryx* (*Eupteryx*) *dlabolai* **nom. nov.** for *Eupteryx octonotata* Dlabola (not Hardy); *Baaora ahmedi* **nom. nov.** for *Baaora spinosa* (Ahmed) (not Beamer); *Paradelphacodes insolitus* Dmitriev is synonymized with *Paradelphacodes gvosdevi* (Mitjaev), **syn. nov.**

## Keywords

Typhlocybinae, Delphacidae, leafhopper, planthopper, systematics, homonym, synonym

## Introduction

Use of the 3i software package (Dmitriev 2006) helped to reveal several junior homonyms in the leafhopper subfamily Typhlocybinae, which need publication of replacement names. The nomenclatural changes proposed in this paper are necessary to bring

the classification of the subfamily Typhlocybinae into compliance with the International Code of Zoological Nomenclature (ICZN 1999). In addition, a new synonym in the family Delphacidae is recognized.

## Nomenclatural changes and notes

### Family Cicadellidae

#### Subfamily Typhlocybinae

***Empoasca (Empoasca) angustata nomen novum*** for *Empoasca angusta* Linnavuori & DeLong

*E. angusta* Linnavuori & DeLong, 1977:17, described from Chile, is a junior primary homonym of *Empoasca (Buhria) angusta* Dworakowska, 1976:26, described from Cameroon.

Eymology: The original species name in modified spelling is used.

***Empoasca (Empoasca) chilensis nomen novum*** for *Empoasca diversa* Linnavuori & DeLong

*E. diversa* Linnavuori & DeLong, 1977:179, described from Chile, is a junior primary homonym of *Empoasca (Matsumurasca) diversa* Vilbaste, 1968:87, an eastern Palearctic and Oriental species.

Eymology: The species is named for the country, from which it was originally described.

***Austroasca verdensis nomen novum*** for *Empoasca artemisiae* Lindberg

*Austroasca artemisiae* (Lindberg), Dworakowska 1970b: 712

*Empoasca artemisiae* Lindberg, 1958: 208, described from Cape Verde, is a junior primary homonym of *Empoasca artemisiae* Haupt, 1924:294 (= *Austroasca vittata* (Lethierry, 1884:65)), a wide spread Palearctic and Oriental species.

Eymology: The species named for the country of the original description.

***Kropka vidanoi* Dworakowska, 1970a: 619 nomen revived**

= *Erythroneura unipunctata* Dlabola, 1957:119

*E. unipunctata* Dlabola, described from southern Europe, is a junior primary homonym of *E. tithide* var. *unipunctata* Cerutti, 1939:85 (= *Zygina (Zygina) tithide* Ferrari, 1882:159), another European species. Dworakowska (1981) recognized *Kropka vidanoi* Dworakowska as junior synonym of *Kropka unipunctata* (Dlabola). We restore *K. vidanoi* Dworakowska as a valid name for the species.

***Zyginella vietnamica* nomen novum** for *Zyginella melichari* Dworakowska

*Z. melichari* Dworakowska, 1977:24, described from Vietnam, is a junior secondary homonym of *Z. melichari* (Kirkaldy, 1906:315, *Eupteryx*), a species known from Sri Lanka.

Etymology: The species is named for the country, from which it was originally described.

***Eupteryx (Eupteryx) dlabolai* nomen novum** for *Eupteryx (Eupteryx) octonotata* Dlabola

*E. octonotata* Dlabola, 1974:51, described from Iran, is a junior secondary homonym of *E. octonotata* (Hardy, 1850:419, *Typhlocyba*) (= *Eupteryx (Eupteryx) urticae* (Fabricius, 1803: 77)), a wide spread Palaearctic species.

Etymology: The species is named for the author of the replaced name.

***Baaora ahmedi* nomen novum** for *Typhlocyba spinosa* Ahmed

*Baaora spinosa* (Ahmed), Dworakowska, 1982:104

*T. spinosa* Ahmed, 1971:195, described from Pakistan, is a junior primary homonym of *Empoa (Empoa) spinosa* (Beamer, 1943:131, *Typhlocyba*), a wide spread Nearctic species.

Etymology: The species is named for the author of the replaced name.

***Typhlocyba rubrasvulva* var. *bifasciata* Osborn, 1898:12 nom.nud.**

The name is a primary homonym of *Zonocyba bifasciata* (Boheman, 1851:212) (Original genus *Typhlocyba*). However, the name does not need a replacement, since it is not available.

## Family Delphacidae

***Paradelphacodes vosdevi* (Mitjaev, 1980)**

*Chloriona vosdevi* Mitjaev, 1980: 36

*Paradelphacodes vosdevi* Mitjaev, 2002: 104

= *Paradelphacodes insolitus* Dmitriev, 2000: 281 **syn.n.**

Dmitriev (2002) described *Paradelphacodes insolitus* from Southern Russia, not far from the type locality of the *C. vosdevi* Mitjaev in Northern Kazakhstan. In 2002, Mitjaev compared his material to the illustrations of Dmitriev (2000) and transferred *C. vosdevi* Mitjaev to the genus *Paradelphacodes* without formally synonymizing both species. In this paper the synonymy of the two species is confirmed.

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