

A nomenclatural change for the katydid genus Colobotettix Beier 1960 (Orthoptera: Tettigoniidae)

Author: Özdikmen, Hüseyin

Source: Journal of Orthoptera Research, 16(2) : 189-190

Published By: Orthopterists' Society

URL: [https://doi.org/10.1665/1082-6467\(2007\)16\[189:ANCFTK\]2.0.CO;2](https://doi.org/10.1665/1082-6467(2007)16[189:ANCFTK]2.0.CO;2)

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/terms-of-use.

Usage of BioOne Complete content is strictly limited to personal, educational, and non-commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

A nomenclatural change for the katydid genus *Colobotettix* Beier 1960 (Orthoptera: Tettigoniidae)

Accepted October 4, 2007

HÜSEYİN ÖZDIKMEN

Gazi Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 06500 Ankara / Türkiye, E-mail: ozdikmen@gazi.edu.tr

Abstract

A junior homonym was detected recently among the katydid genera, and the following replacement name is proposed: *Beierotettix* *nom. nov.* for *Colobotettix* Beier, 1960. Accordingly, new combinations are herein proposed for the species currently included in this genus: *Beierotettix marginatus* (Brunner von Wattenwyl, 1895) *comb. nov.* and *Beierotettix viridis* (Beier, 1960) *comb. nov.*

Key words

nomenclatural changes, homonymy, replacement names, Tettigoniidae, *Colobotettix*, *Beierotettix*

Introduction

The purpose of the present paper is to bring the taxonomy of katydids into accordance with the requirements of the International Code of Zoological Nomenclature (1999). In an effort to reduce the number of homonyms in Tettigoniidae, I found recently a katydid genus whose name had been previously published for a different taxon, making it a junior homonym. In accordance with Article 60 of the International Code of Zoological Nomenclature, I propose a substitute name for this genus name.

Order: Orthoptera
Suborder: Ensifera
Superfamily: Tettigonoidea Krauss, 1902
Family: Tettigoniidae Krauss, 1902
Subfamily: Pseudophyllinae Burmeister, 1838
Tribe: Cocconotini Brunner von Wattenwyl, 1895

Genus *Beierotettix* *nom. nov.*

Colobotettix Beier, 1960. Tierreich 74: 173. (Insecta: Orthoptera: Ensifera: Tettigonoidea: Tettigoniidae: Pseudophyllinae: Cocconotini). Preoccupied by *Colobotettix* Ribaut, 1948. Bull. Soc. Hist. nat. Toulouse, 83, 58. (Insecta: Hemiptera: Cicadomorpha: Membracidae: Cicadellidae: Deltocephalinae: Athysanini).

Remarks on nomenclatural change.— The neotropical and nearctic *Colobotettix* Beier, 1960 was established for a katydid genus with the type species *Colobotettix viridis* Beier, 1960 from Central America, Guatemala in Tettigoniidae. It is still used as a valid genus name in Orthoptera (*e.g.*, Otte 1997, Eades *et al.* 2007). For the present, the genus includes only two species as *Colobotettix marginatus* (Brunner von Wattenwyl, 1895) and *Colobotettix viridis* Beier, 1960.

Nevertheless the name *Colobotettix* is already occupied. Ribaut (1948) established a European leafhoppers genus *Colobotettix* with the type species *Thamnotettix morbillosus* Melichar, 1896 from Austria in the family Cicadellidae. It is still used as a valid genus name in Hemiptera (*e.g.*, Oman *et al.* 1990, Söderman 2007). It is a European monotypic genus. It is distributed in Austria, Czech Republic, Finland, France, Germany, Poland, Switzerland (Ribaut 1952; Nast 1972, 1987; Ossiannilsson 1983; Remane & Fröhlich 1994; Holzinger 1996; Günthart & Mühlethaler 2002; Nickel & Remane 2002; Nickel 2003).

Thus the katydid genus *Colobotettix* Beier, 1960 is a junior homonym of the genus *Colobotettix* Ribaut, 1948 (Hemiptera). In accordance with Article 60 of the International Code of Zoological Nomenclature, Fourth Edition (1999), I suggest here that the name *Beierotettix* be erected as a replacement name for *Colobotettix* Beier, 1960.

Etymology.— from M. Beier the author of the junior homonym *Colobotettix*. It is masculine in gender.

Summary of nomenclatural changes.—

Beierotettix new replacement name

= *Colobotettix* Beier, 1960 (non Ribaut, 1948)

Beierotettix marginatus (Brunner von Wattenwyl, 1895) *comb. nov.*

= *Nannotettix marginatus* Brunner von Wattenwyl, 1895

= *Colobotettix marginatus* (Brunner von Wattenwyl, 1895)

Type locality: Northern America, Mexico, Orizaba.

Beierotettix viridis (Beier, 1960) *comb. nov.*

= *Colobotettix viridis* Beier, 1960

Type locality: Southern America, Central America, Guatemala.

Literature Cited

- Beier M. 1960. Orthoptera, Tettigoniidae, Pseudophyllinae. II. Das Tierreich 74: 1-396.
Eades D.C., Otte D., Naskrecki P. 2007. Orthoptera Species File Online. Version 2.0/3.1. Available from: <http://Orthoptera.SpeciesFile.org>.
Günthart H., Mühlethaler R. 2002. Provisorische Checklist der Zikaden der Schweiz (Insecta: Hemiptera, Auchenorrhyncha). Denisia 04, zugleich Kataloge des ÖÖ. Landesmuseums, Neue Folge 176: 329-338.
Holzinger W. 1996. Kritisches Verzeichnis der Zikaden Österreichs (Ins.: Homoptera, Auchenorrhyncha). Carinthia II 186/106: 501-517.

- International Commission on Zoological Nomenclature. 1999. International Code of Zoological Nomenclature. Fourth Edition. The International Trust for Zoological Nomenclature, London.
- Nast J. 1972. Palaearctic Auchenorrhyncha (Homoptera). An Annotated Check List. Polish Scientific Publishers, Warszawa, 550 pp.
- Nast J. 1987. The Auchenorrhyncha (Homoptera) of Europe. *Annales Zoologici Warszawa* 40: 535-661.
- Nickel H. 2003. The Leafhoppers and Planthoppers of Germany (Hemiptera, Auchenorrhyncha): patterns and strategies in a highly diverse group of phytophagous insects. *Pensoft Series Faunistica* No. 28, Sofia-Moscow, Keltorn, 1-460.
- Nickel H., Remane R. 2002. Artenliste der Zikaden Deutschlands, mit Angabe von Nährpflanzen, Nahrungsbreite, Lebenszyklus, Areal und Gefährdung (Hemiptera, Fulgoromorpha et Cicadomorpha). *Beiträge zur Zikadenkunde* 5: 27-64.
- Ossiannilsson F. 1983. The Auchenorrhyncha (Homoptera of Fennoscandia and Denmark. Part 3: The family Cicadellidae, Deltocephalinae, Catalogue, Literature and Index. *Fauna Entomologica Scandinavica* 7: 594-979.
- Otte D. 1997. Orthoptera Species File 7. Tettigonioidea. The Orthopterists' Society at the Academy of Natural Sciences of Philadelphia p. 203.
- Remane R., Fröhlich W. 1994. Vorläufige, kritische Artenliste der im Gebiet der Bundesrepublik Deutschland nachgewiesenen Taxa der Insekten-Gruppe der Zikaden (Homoptera Auchenorrhyncha). *Marburger Entomologische Publikationen* 2: 189-232.
- Ribaut H. 1948. Demembrement de quelques genres de Jassidae. *Bulletin de la Société d'Histoire Naturelle de Toulouse* 83: 57-59.
- Ribaut H. 1952. Homoptères Auchenorhynques II (Jassidae). *Faune de France* 57: 1-474.
- Söderman G. 2007. Taxonomy, Distribution, Biology and Conservation Status of Finnish Auchenorrhyncha (Hemiptera: Fulgoromorpha et Cicadomorpha). *The Finnish Environment* 7 / 2007. Finnish Environment Institute, Helsinki 101 pp. Available from: <http://www.ymparisto.fi/download.asp?contentid=64759&lan=EN>