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## First records of Croatian and Serbian Tetrigidae (Orthoptera: Caelifera) with description of a new subspecies of *Tetrix transsylvanica* (Bazyluk & Kis, 1960)

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### Abstract

A review of the Croatian and Serbian Tetrigidae is given and first records of *Tetrix undulata* (Sowerby, 1806) for Croatia and Serbia as well as *Tetrix tuerki* (Krauss, 1876) and *Tetrix transsylvanica* (Bazyluk & Kis, 1960) **comb. nov.** for Croatia are presented. The status of the genus *Uvarovitettix* Bazyluk & Kis, 1960 and the taxonomic position of *T. transsylvanica* **comb. nov.** are discussed. The genus *Uvarovitettix* Bazyluk & Kis, 1960 **syn. nov.** is synonymised with the genus *Tetrix* Latreille, 1802. A new subspecies from Croatia and Slovenia, *Tetrix transsylvanica hypsocorypha* Skejo, 2014 **subspecies nova**, is described. *Tetrix pseudodepressa* (Ingrisch, 2006) **comb. nov.** and *Tetrix depressa* (Brisout de Barneville, 1848) **comb. nov.** are moved to the genus *Tetrix* and the genus *Depressotetrix* Karaman, 1960 **syn. nov.** is synonymised with the genus *Tetrix*. *Tetrix gibberosa* (Wang & Zheng, 1993) **inc. sed.** and *T. nodulosa* (Fieber, 1853) **inc. sed.** are now considered to be species of uncertain placement within the genus *Tetrix*. New combination is also given to *Paratettix tuberculata* (Zheng & Jiang, 1997), primarily placed within the genus *Mishtshenkotetrix*: *Tetrix tuberculata* (Zheng & Jiang, 1997) **comb. nov.**, but its placement within the genus *Tetrix* is also uncertain.

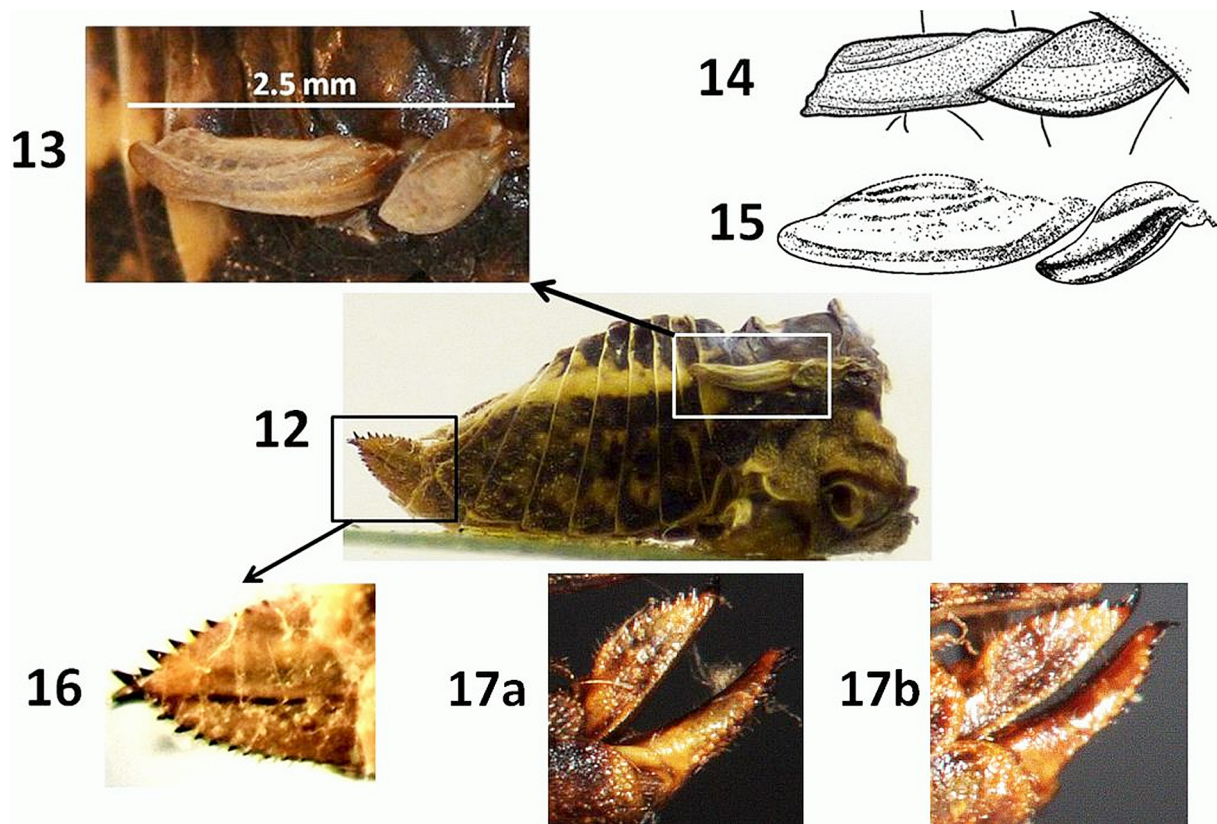
**Key words:** Tetrigoidea, grouse locusts, groundhoppers, pygmy grasshoppers, *Uvarovitettix*

### Sažetak

Dan je pregled monaških skakavaca ili trnovratki (Tetrigidae) Hrvatske i Srbije. Zapadni monaški skakavac (*Tetrix undulata*) se po prvi put navodi za Hrvatsku i Srbiju, a Türkov monaški skakavac (*Tetrix tuerki*) i transilvanijski monaški skakavac (*Tetrix transsylvanica* **comb. nov.**) za Hrvatsku. U radu je detaljno razmotren status roda *Uvarovitettix* Bazyluk & Kis, 1960 i vrste *T. transsylvanica* (Bazyluk & Kis, 1960) **comb. nov.** Rod *Uvarovitettix* Bazyluk & Kis, 1960 **syn. nov.** sinonimiziran je s rodom *Tetrix* Latreille, 1802. Opisana je nova podvrsta *Tetrix transsylvanica hypsocorypha* Skejo, 2014 **subspecies nova**. Predstavljene se i nove kombinacije: *Tetrix pseudodepressa* (Ingrisch, 2006) **comb. nov.** i *Tetrix depressa* (Brisout de Barneville, 1848) **comb. nov.** te je rod *Depressotetrix* Karaman, 1960 **syn. nov.** sinonimiziran s rodom *Tetrix*. Vrste *Tetrix gibberosa* (Wang & Zheng, 1993) **inc. sed.** i *T. nodulosa* (Fieber, 1853) **inc. sed.** označene su kao vrste upitnog položaja unutar roda *Tetrix*. Nova kombinacija je također dana vrsti *Paratettix tuberculata* (Zheng & Jiang, 1997), primarno opisanoj unutar roda *Mishtshenkotetrix*: *Tetrix tuberculata* (Zheng & Jiang, 1997) **comb. nov.**, no vrlo je vjerojatno da je i ova vrsta upitnog položaja unutar roda *Tetrix*.

**Ključne riječi:** Tetrigoidea, monaški skakavci, trnovratke, *Uvarovitettix*

*transsylvanica*. J.S. is grateful to his girlfriend, Maja Perković for patience and support during this research, as well as to Hendrik Devriese and Axel Hochkirch for very valuable, almost daily discussions on Tetrigidae taxonomy. Special thanks go to the reviewers whose comments, critics, corrections and proposals significantly improved the quality of the paper.



**FIGURES 12–17** (females). (*Tetrix transsylvanica hypsocorypha* Skejo, 2014 subspecies nova: 12, 13, 14, 16; *Tetrix t. transsylvanica*: 15, 17). 12) mesothorax, metathorax and abdomen (paratype). 13) tegmenulum and ala (paratype). 14) tegmenulum and ala from Nadig (1991). 15) tegmenulum and ala from Bazyluk & Kis (1960). 16) ovipositor (paratype). 17a) ovipositor (Timișu de Sus). 17b) ovipositor (Măgurii Cisnădiei) (12,13 and 16 photo Josip Skejo, 17a and 17b photo Ionuț Ștefan Iorgu; reproduced with permission).

### Author contributions

J.S. wrote the majority of the paper, J.S. made the taxonomic analyses with N.T.'s help; N.T. wrote 'Distribution and ecology' sections; most of the fieldworks were performed by J.S., F.R. & N.T.; J.S. and F.R. reviewed Croatian museum collections; F.M.B. and A.R. provided data of the first records of *T. undulata*; S.I. reviewed Serbian collections and collected literature data on Serbian Tetrigidae.

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