

## Notes on the occurrence of the jumping spiders (Araneae: Salticidae) in the Podyjí National Park

### Poznámky k výskytu skákavek (Araneae: Salticidae) v Národním parku Podyjí

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**Abstract.** Twenty-two species of Salticidae are recorded from the Podyjí National Park, 8 of them for the first time. Currently, 28 species of jumping spiders (including data from the literature) are known from this territory. The possibility of the occurrence of *Heliophanus melinus* L. Koch, 1867 in the Czech Republic is briefly discussed.

### INTRODUCTION

Růžička et al. (1996) gave a list of 20 species of jumping spiders of the Podyjí National Park, which were collected mainly during the investigations in June and July 1992. The results of the author's subsequent faunistic research dealing with Salticidae of the area under study are presented here.

### MATERIAL AND METHODS

The material was obtained in May and September 1993, May and June 1995, June, July and September 1996, and August and September 1997. Jumping spiders were collected individually (mainly on stems, stones, rocks and bare ground, or ground covered with very low vegetation), by sweeping higher vegetation and lower tree branches as well as by sieving leaf litter and other detritus.

The names of localities are given according to Nováková (1991) and Pruner & Míka (1996). The number of the grid square (Buchar 1982) is given in parentheses.

Names of species are given according to Buchar et al. (1995) with the following exceptions: The species formerly classified in the genus *Euophrys* C. L. Koch, 1834 now belong to the genera *Euophrys*, *Pseudeuophrys* Dahl, 1912 and *Talavera* Peckham et Peckham, 1909 (Žabka & Proszynski 1998). The species formerly known as *Phlegra festiva* was transferred into the genus *Asianellus* Logunov et Hęciak, 1996 (Logunov & Hęciak 1996). *Eris nidicolens* was transferred into the genus *Macaroeris* Wunderlich, 1991 (Wunderlich 1991).

### LIST OF LOCALITIES

1. Horní Břečkov, road from Čížov to Hardegg (7162). Pine woods along the road.
2. Vranov, Hamerské vrásky (7160). Steep rocks with sparse xerothermic vegetation.
3. Znojmo, Zadní Hamry (7160). Meadows along the river Dyje.
4. Znojmo, Popice (7162). Heathland with scattered pine trees.
5. Hnanice, Staré vinice (7161). Heathland with some pine trees.
6. Hnanice, vicinity of a hunting lodge (7161). Dry mixed wood and dry grass.
7. Popice, Sealsfieldův kámen (7162). Relict pine woods on rocks.
8. Hnanice, Šobes (7161). Vineyards and dry woods.
9. Hnanice, Devět mlýnů (7161). Meadows and shrubs.

## RESULTS AND DISCUSSION

A total of 239 spider specimens belonging to 22 species were collected in localities nos. 1-9 (Table 1). The following 8 species are recorded as new for the territory of the Podyjí NP: *Aelurillus v-insignitus*, *Asianellus festivus*, *Dendryphantes rudis*, *Euophrys frontalis*, *Heliophanus dubius*, *Phlegra fasciata*, *Pseudeuophrys erratica* and *Pseudicius encarpatus*. At present, 28 species of jumping spiders are known from the territory (see also Růžička et al. 1996).

Table 1. List of jumping spiders of the Podyjí National Park, based on collected material and literature data. The numbering of localities as in the text. Number of specimens is given. Species listed by Růžička et al. (1996) are marked by "+" in the last column ("R").

Tabulka 1. Přehled skákavek Národního parku Podyjí. Přehled autorem sbíraného materiálu a literárních údajů. Číslování lokalit viz text. Čísla udávají počet jedinců. Druhy, které uvádí Růžička et al. (1996), jsou označeny „+“ v posledním sloupci („R“).

| Species / Localities and data from literature<br>Druh / Lokality a údaje z literatury | 1 | 2 | 3 | 4 | 5  | 6  | 7 | 8 | 9 | R |
|---------------------------------------------------------------------------------------|---|---|---|---|----|----|---|---|---|---|
| <i>Aelurillus v-insignitus</i> (Clerck, 1757)                                         |   |   |   |   |    |    | 3 |   |   |   |
| <i>Asianellus festivus</i> (C. L. Koch, 1834)                                         |   | 1 |   |   |    |    |   | 2 |   |   |
| <i>Ballus chalybeius</i> (Walckenaer, 1802)                                           | 5 |   | 1 |   | 2  |    | 2 |   |   | + |
| <i>Dendryphantes rudis</i> (Sundevall, 1832)                                          |   |   |   |   |    | 5  |   |   |   |   |
| <i>Euophrys frontalis</i> (Walckenaer, 1802)                                          |   |   |   |   |    | 4  |   |   | 1 |   |
| <i>Evarcha arcuata</i> (Clerck, 1757)                                                 |   | 1 | 9 | 1 | 5  |    |   | 2 | 5 | + |
| <i>Evarcha falcata</i> (Clerck, 1757)                                                 |   |   | 4 | 2 | 6  |    |   |   | 2 | + |
| <i>Evarcha laetabunda</i> (C. L. Koch, 1848)                                          |   |   |   |   | 3  | 12 |   | 5 |   | + |
| <i>Heliophanus aeneus</i> (Hahn, 1831)                                                |   |   |   |   |    |    |   |   |   | + |
| <i>Heliophanus cupreus</i> (Walckenaer, 1802)                                         | 1 | 3 | 1 | 3 | 2  | 23 |   | 5 |   | + |
| <i>Heliophanus dubius</i> C. L. Koch, 1835                                            |   |   | 3 |   |    | 3  |   |   |   |   |
| <i>Heliophanus flavipes</i> (Hahn, 1832)                                              |   |   |   | 1 | 1  |    |   |   |   | + |
| <i>Heliophanus melinus</i> L. Koch, 1867                                              |   |   |   |   |    |    |   |   |   | + |
| <i>Leptorchestes berolinensis</i> (C. L. Koch, 1846)                                  |   |   |   |   |    |    |   |   |   | + |
| <i>Macaroeris nidicolens</i> (Walckenaer, 1802)                                       |   |   |   |   | 10 | 33 |   | 2 | 1 | + |
| <i>Marpissa nivoyi</i> (Lucas, 1846)                                                  | 1 |   |   |   |    | 3  |   |   |   | + |
| <i>Neon reticulatus</i> (Blackwall, 1853)                                             |   |   |   |   |    |    |   |   |   | + |
| <i>Pellenes tripunctatus</i> (Walckenaer, 1802)                                       |   |   |   | 1 | 1  |    |   |   |   | + |
| <i>Phlegra fasciata</i> (Hahn, 1826)                                                  |   | 2 |   | 3 |    | 3  |   | 1 |   |   |
| <i>Pseudeuophrys erratica</i> (Walckenaer, 1826)                                      | 1 |   |   |   |    |    |   |   |   |   |
| <i>Pseudeuophrys obsoleta</i> (Simon, 1868)                                           |   |   |   |   |    |    |   | 4 |   | + |
| <i>Pseudicius encarpatus</i> (Walckenaer, 1802)                                       |   |   | 1 |   |    |    |   |   |   |   |
| <i>Salticus scenicus</i> (Clerck, 1757)                                               |   | 4 |   |   | 1  | 1  |   | 5 | 2 | + |
| <i>Salticus zebraneus</i> (C. L. Koch, 1837)                                          | 2 |   |   | 5 | 1  | 15 |   |   |   | + |
| <i>Sitticus floricola</i> (C. L. Koch, 1837)                                          |   |   |   |   |    |    |   |   |   | + |
| <i>Sitticus pubescens</i> (Fabricius, 1775)                                           |   | 2 |   |   | 1  |    |   | 3 |   | + |
| <i>Sitticus rupicola</i> (C. L. Koch, 1837)                                           |   |   |   |   |    |    |   |   |   | + |
| <i>Talavera aequipes</i> (O. P. Cambridge, 1871)                                      |   |   |   |   | 1  |    |   |   |   | + |

**Notes on *Heliophanus melinus* L. Koch, 1867.** In spite of the fact that *Heliophanus melinus* was recorded as new for the territory of the Czech Republic (Růžička et al. 1996), the species was not included into the checklist of spiders of the Czech Republic (Buchar et al. 1995). According to the authors of the checklist (V. Růžička, pers. comm.) this hesitation is based on the fact that they have never seen the preserved specimen in question. According to a later declaration of the specimen's collectors, it was irretrievably lost. Thus the problem of the occurrence of *Heliophanus melinus* in the territory of the Czech Republic remains to be solved.

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## SOUHRN

Práce podává výsledky faunistického průzkumu pavouků čeledi skákavkovitých (Salticidae), prováděného v letech 1993-1997 na devíti lokalitách v Národním parku Podyjí. Bylo nalezeno 22 druhů ve 239 exemplářích. Osm druhů (*Aelurillus v-insignitus*, *Asianellus festivus*, *Dendryphantus rudis*, *Euophrys frontalis*, *Heliophanus dubius*, *Phlegma fasciata*, *Pseudeuophrys erratica* a *Pseudicius encarpatus*) je zde uvedeno z NP Podyjí poprvé. Celkem je nyní z NP Podyjí známo 28 druhů skákavek (viz též Růžička et al. 1996), srovn. přehled druhů v Tabulce 1.

Otázkou zůstává výskyt druhu *Heliophanus melinus*, uvedeného (Růžička et al. 1996) z NP Podyjí jako nový pro Českou republiku: dokladový materiál není dostupný a autorovi této zprávy se přítomnost druhu na zkoumaném území nepodařilo potvrdit dalšími nálezy.