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SHORT COMMUNICATION

Contribution to the knowledge of the fauna of Kampinos National Park: Ripiphoridae (Coleoptera: Tenebrionoidea)

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ABSTRACT

The paper provides new data on 2 species of Ripiphoridae (Coleoptera: Tenebrionoidea) in the Kampinos National Park. Both species: *Pelecotoma fennica* and *Metoecus paradoxus* are new for the Kampinos National Park and listed in the “Red List of Threatened Animals in Poland” with the DD category (data deficient).

Keywords: Ripiphoridae, *Pelecotoma fennica*, *Metoecus paradoxus*, Kampinos National Park, faunistic data, new records, Masovian Lowland

1. INTRODUCTION

Rhipiphoridae is a very small, cosmopolitan beetle family. Many species from Rhipiphoridae family are hypermetamorphic parasitoids colonizing various species of bees or wasps (Batelka 2007).

Hitherto, 3 species of Rhipiphoridae representing 3 genera have been recorded from the territory of Poland and 2 of them have been noted from the Mazovian Lowland area: *Pelecotoma fennica* and *Metoecus paradoxus* (Kubisz & al. 2014). As of yet none of the Rhipiphoridae species have been noted from Kampinos National Park.

The aim of this study was to provide the information's related with occurrence of representatives of the mentioned family in Kampinos National Park.

2. MATERIAL AND METHODS

The material was gathered by Dawid Marczak and Jakub Masiarz, the identification of species was performed by Dawid Marczak and Radosław Mroczyński. Proof specimens can be found in the authors' and Kampinos National Park's collections.

The following abbreviations were used in the text: FSU – forest spatial unit, SPA – Strict Protection Area, KNP – Kampinos National Park, IBL-2 trap – window trap, IBL-5 trap – barrier trap. IBL-2 traps were hung between trees or in spaces between large numbers of fallen dead trees, while IBL-5 traps were hung on dead trees. Each location was additionally described, in brackets, with the code of the relevant UTM square Names were attributed according to Batelka 2008.

The presented results were obtained thanks to the financial support of the Polish State Forests' "Forest Fund" as part of the following research projects: "The evaluation of the degree of naturalness of oak-hornbeam forests in Kampinos National Park based on the fauna of saproxylic beetles" (2015) and "The evaluation of the degree of naturalness of chosen tree stands in Kampinos National Park based on the fauna of saproxylic beetles – stage III alder forests" (2016) and "The evaluation of the degree of naturalness of chosen tree stands in Kampinos National Park based on the fauna of saproxylic beetles – stage IV wet deciduous forest" (2017).

3. RESULTS – REVIEW OF THE SPECIES

3.1. Pelecotominae GEMMINGER et HAROLD, 1870

3.1.1. *Pelecotoma fennica* Paykull, 1799

- SPA Debły (DC79), FSU 242, 1-31.07.2015, 1 ex., collected by IBL-2 trap hanging in *Tilio-Carpinetum* habitat, 1-31.07.2015, 7 exx, collected by IBL-5 trap hanging on an hornbeam in *Tilio-Carpinetum* habitat, 1-31.07.2015, 10 exx, collected by IBL-5 trap hanging on an elm in *Fraxino-Alnetum* habitat, 1-31.07.2015, 3 exx, collected by IBL-5 trap hanging on an ash in *Fraxino-Alnetum* habitat.
- SPA Debły (DC79), FSU 243, 1-31.07.2016, 1 ex., collected by IBL-5 trap hanging on an alder in *Ribeso nigri-Alnetum* habitat.

- SPA Żurawiove (DC79), FSU 72, 1-31.07.2017, 2 exx, collected by IBL-5 trap hanging an alder in *Fraxino-Alnetum* habitat.
- Klaudyn, forestry Lipków, FSU 188 (DC89), 1-31.07.2017, 2 exx, collected by IBL-5 trap hanging on an ash in *Fraxino-Alnetum* habitat, 1-31.07.2017, 16 exx, collected by IBL-5 trap hanging on an poplar in *Fraxino-Alnetum* habitat.
- SPA Zaborów Leśny (DC89), FSU 232, 1-30.06.2016, 1 ex., collected by IBL-5 trap hanging on an alder in *Ribeso nigri-Alnetum* habitat.

A very rare species, reported from several localities (Kubisz & al. 2014), however in last year's confirmed in several new sites in Poland (Miłkowski & al. 2015). Most typical host species of *Pelecotoma fennica* is *Ptilinus fuscus* beetle (Anobiidae) (Švácha 1994).

Listed in the Polish Red Data Book of Endangered Species under the DD category – data deficient (Pawłowski & al. 2002).

New to the KNP.

3.2. Ripiphorinae GEMMINGER et HAROLD, 1870

3.2.1. *Metoeus paradoxus* (Linnaeus, 1760)

- Ławy, forestry Zaborów, FSU 283 (DC79), 10.07.2015, 1 ex., on the trunk of a dead aspen in ecotone zone forest-meadows.

Metoeus paradoxus is a palearctic species (Batelka 2007), probably distributed throughout the whole country but in many regions it's occurrence has not yet been confirmed (Kubisz & al. 2014). In last year's confirmed in several new sites in Poland (Miłkowski & al. 2015, Żurawlew 2015).

Listed in the Polish Red Data Book of Endangered Species under the DD category – data deficient (Pawłowski & al. 2002).

New to the KNP.

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