SHORT COMMUNICATION

Beetles (Coleoptera) of the Rogów region. Part X – skin beetles (Dermestidae)

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ABSTRACT
In the tenth part of the series entitled “Beetles (Coleoptera) of the Rogów region” presents skin beetles (Dermestidae), as one of the better-known families of beetles occurring in the Rogów area. The faunistic data of the listed species is supplemented by bionomical information. 22 species of Dermestidae were recorded in the study area, representing approx. 56% of Polish fauna.

Keywords: Insecta, Coleoptera, Dermestidae, Rogów region, faunistic data, bionomy

1. INTRODUCTION

Until now, 3 species of Dermestidae, has been reported from the Rogów region (Borowski & Kieszek 1999, Byk & al. 2013).

The following is a list of the species of skin beetles that occur in the Rogów region. Almost all species have been collected by the author, and a small part of specimens comes from the collection of J. Dominik, S. Mazur and A. Ślipiński. Specimens of evidence are in
the collection of Department of Forest Protection and Ecology in Rogów and Warsaw. Names are taken from the “Catalogue of Palearctic Coleoptera” (Löbl & Smetana (ed.) 2007).

2. RESULTS – REVIEW OF THE SPECIES

2.1. *Dermestes (Dermestinus) frischii* Kugelann, 1792

- Rogów, UTM: DC24, 01.VII.1978, 2 exx., the dead dog, leg. Ślipiński;
- Rogów, „Górki” range, UTM: DC24, 15.V.1999, 2 exx., and 15.V.1999 1 ex., agricultural and xerothermic field, the dead chicken, leg. J. Borowski;

A quite common species in the Rogów area. The species most frequently occurs on dead animals, especially in the xerothermic environments.

2.2. *Dermestes (Dermestinus) murinus* Linnaeus, 1758

- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 04.VI.1991, 1 ex., the dead dog, leg. J. Borowski;
- Rogów, dendrological garden, UTM: DC24, 06.V.1994, 4 exx., on bones, leg. T. Mokrzycki;
- Rogów, „Górki” range, UTM: DC24, 07.X.1995, 1 ex., the cow guts, leg. J. Borowski;
- Gutkowice, UTM: DC33, 20.IV.1998, 2 exx., the dead chicken; leg. J. Borowski;

For the first time from the Rogów region reported by Byk & al. (2013). A common species found in various environments. Adults were observed and collected on carrion and bones of animals.

2.3. *Dermestes (Dermestinus) udulatus* Brahm, 1790

- Rogów, UTM: DC24, 10.VII.1999, 6 exx., the dead mole, and 16.IV.2004, 1 ex, on tree, leg. J. Borowski;
- Rogów, „Doliska” range, UTM DC:24, 15.VII.2012, 1 ex., the dead mole, leg. J. Borowski.

A quite rare species found in various environments. The species prefers small dead mammals.

2.4. *Dermestes (Dermestes) bicolor* Fabricius, 1781


A very rare species in the Rogów region. During 20 years of researches in this area and using of various traps, only 1 specimen of this species was caught.

2.5. *Dermestes (Dermestes) haemorrhoidalis* Küster, 1852


This cosmopolitan species is very rare observed in the Rogów region. One specimen of this species came to the light at the end of August in urban area.
2.6. *Dermestes (Dermestes) lardarius* Linnaeus, 1758


One of the commonest skin beetles in the Rogów region. This synanthropic species lives on various animal products.

2.7. *Attagenus (Attagenus) pantherinus* (Ahrens, 1814)


A rare species in the Rogów region. Adults were collected individually. The species lives in the warm loft of buildings where are nests of Hymenoptera.

2.8. *Attagenus (Attagenus) pellio* (Linnaeus, 1758)


A common species in the Rogów region. Adults are frequently observed on spring time, on flowers e.g. *Spiraea* spp. or *Crataegus* spp.

2.9. *Attagenus (Attagenus) schaefferi* (Herbst, 1792)

- Głuchów, UTM: DC33, 08.VI.2007, 1 ex., on flowers of *Aegopodium podagraria* L., leg. J. Borowski.

A quite rare species in the Rogów region. A semisynanthropic species. Adults were observed on white flowers of various plants.

2.10. *Attagenus (Attagenus) smirnovi* Zhantiev, 1972


For the first time in Rogów, this synanthropic species was collected in 2008. It inhabits the same ecological niches as *Attagenus unicolor* (Brahm). This very aggressive species, in just two years completely eliminated *A. unicolor* from the apartment. Since this time, only *A. smirnovi* is observed in the apartment. Adults of *A. smirnovi* are observed in two periods: early spring and mid-summer.
2. 11. *Attagenus (Attagenus) unicolor* (Brahm, 1790)
   - Rogów, dendrological garden, UTM: DC24, 24.III.1995, 1 ex., indoor the building, leg. T. Mokrzycki;
   
   Until 2007 it was a common species in the Rogów region. Now it is very rarely observed because most of ecological niches were occupied by similar, invasive species, *A. smirnovi*.

2. 12. *Megatoma (Megatoma) undata* (Linnaeus, 1758)
   - Rogów, „Doliska” range, UTM DC:24, 02.V.2009, 1 ex., indoor the building, leg. J. Borowski.

   For the first time from the Rogów region reported by Byk & al. (2013). A quite common species in the Rogów region. The species lives on the remains of invertebrates, especially within the nests of Hymenoptera.

2. 13. *Ctesias (Ctesias) serra* (Fabricius, 1792)

   For the first time from the Rogów region reported by Borowski & Kieszek (1999). A very rare species in the Rogów area. During 20 years of researches in this area and using of various traps, only 2 specimens of this species were caught. Larvae of this forest species live under bark of various trees on the remains of invertebrates.


   This parthenogenetic species was introduced to Rogów in 2009 with dry insects from Sweden. Now, it is the most dangerous pest of zoological collection in the local forest museum.

2. 15. *Trogoderma angustum* (Solier, 1849)
The South American species introduced to various countries of the World. The species was collected only once in the Rogów region. It was in 2007.

2. 16. Trogoderma glabrum (Herbst, 1783)
- Rogów, dendrological garden, UTM: DC24, 02.VII.1996, 1 ex., indoor the building, leg. J. Borowski;

A quite common species in the Rogów region. This synanthropic species was observed and collected in the spring and early summer time.

2. 17. Trogoderma versicolor (Creutzer, 1799)

A quite rare species in the Rogów region. This synanthropic species was observed and collected in the same habitats as T. glabrum.

2. 18. Anthrenus (Anthrenus) pimpinellae (Fabricius, 1775)

A common species in the Rogów region. It is a semisynanthropic species. The species is easy to find on various flowers, especially in the vicinity of farms. Larvae of this species very often live in the bird nests.

2. 19. Anthrenus (Anthrenus) scrophulariae (Linnaeus, 1758)

A very common species in the Rogów region. It is a semisynanthropic species. The species is easy to find on various flowers, especially in the vicinity of farms. Larvae of this species live in various habitats on the animal remains.

2. 20. Anthrenus (Florilinus) museorum (Linnaeus, 1761)

The commonest skin beetle in the Rogów region. It is a semisynanthropic species. The species is easy to find on various flowers, especially in the vicinity of farms, together with A. scrophulariae, A. pimpinellae and A. polonicus. Larvae of this species live in various habitats on the animal remains.
2. 21. **Anthrenus (Helocerus) polonicus** Mroczkowski, 1951

- Rogów, „Doliska” range, UTM DC24, 01-02.IV.2012, 2 exx., ex. larva, from the nest of tit, leg. J. Borowski.

One of the commonest skin beetles in the Rogów region. This synanthropic species lives on the various animal remains.

2. 22. **Trinodes hirtus** (Fabricius, 1781)


A rare species in the Rogów region. Adults are active at night. The easiest way to find them on the webs stretched on the side necroses of tree trunks.

3. CONCLUSIONS

From the Rogów region 22 species of skin beetles were collected representing approx. 56% of all species in the Polish fauna. All species collected in the 50s and 70s of the twentieth century are being collected nowadays. In the Rogów area we can expect the occurrence of several more (4-5) new species of skin beetles e.g. *Dermestes laniarius* Illig., *Globicornis* spp. and *Anthrenus* spp., especially *A. verbasci* (L.).

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References


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