

BIOLOGICAL NOTES

Rapid communication

NEW RECORD OF *PHALERIA CADAVERINA CADAVERINA* (FABRICIUS, 1792) (COLEOPTERA, TENEBRIONIDAE) FROM BALTIC SEA COAST (WEST POLISH POMERANIA)

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Abstract

Second confirmed occurrence of rare halobiontic tenebrionid beetle *Phaleria cadaverina cadaverina* Fabricius, 1792 in the Baltic Sea coast at Polish Western Pomerania.

Key words: Coleoptera, Tenebrionidae, *Phaleria cadaverina*, Baltic Sea coast, Polish Western Pomerania

INTRODUCTION

The genus *Phaleria* Latreille, 1802 includes more than 60 species. They are native of occurrence to the beaches and marine dunes of all continents except Antarctic (Triplehorn 1991), in Australia they are introduced (Doyen et al. 1989). In Europe 9 species are known, but only one is presented on the south cost of the Baltic Sea – *Ph. cadaverina* (Löbl et al. 2008).

MATERIAL EXAMINED

The Uznam Island: Świnoujście vicinity, (UTM XA53) 54°43'12.50"N, 17°12'54.53"E, Baltic coast, sand beach, in the barber's trap, 26/07/2005, 1 ex., P. Dąbkowski leg. The collected specimen has been deposited in the collection of the Zoology Chair of the Pomeranian University in Słupsk.

RESULTS AND DISCUSSION

Phaleria cadaverina is a halobiontic species, typical for marine sand beaches (Cheng 2013). Occurs in wrack and carrion on beaches (Stebnicka 1991).

In Germany *Ph. cadaverina* is known as rare beetle and presented on regional (Gürlich et al. 2011) and German (Rote liste... 1998) Red Lists as endangered and very endangered species.

Ph. cadaverina is widely distributed in the Atlantic coasts of Europe: Spain, Portugal, France, Great Britain, Ireland, Belgian, Netherlands, Denmark, German, Sweden, and Poland (Löbl et al. 2008). According to Fattorini (2004) presence of *Ph. cadaverina* in Poland is doubtful.

In Poland *Ph. cadaverina* is mentioned in old publications, without exact localities, by Schilsky (1888), Seidlitz (1891), Reitter (1911), Kuhnt (1912), and Horion (1951, 1956).

Bercio and Folwaczny (1979) critically checked old publications and museum's collections. They concluded that the finding of *Ph. cadaverina* in Sopot is very doubtful, and really east border of the areal is the Uznam Island (Usedom) and vicinity of Zingst (Germany, Mecklenburg-Vorpommern). Later Iwan et al. (2012) have agreed with this opinion.

Occurrence of *Ph. cadaverina* in vicinity of Hel was confirmed by Gabriš in 2013. A large and stable population with beetles and larva was observed. According Gabriš (2013) *Ph. cadaverina* requires sandy beaches with a minimum of recreational activities, where all the rotting plant remains may stay undisturbed as habitat for successful larval development.

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NOWE DANE O WYSTĘPOWANIU *PHALERIA CADAVERINA CADAVERINA*
(FABRICIUS, 1792) (COLEOPTERA, TENEBRIONIDAE)
NA BRZEGU BAŁTYKU NA POMORZU ZACHODNIM

Summary

Dругие полные находки редкого халобиянтического вида *Phaleria cadaverina cadaverina* (Fabricius, 1792) из семейства чернучоватых (Tenebrionidae) на берегу польского Балтика, на пляже в окрестности Świnoujście.

