

**NEW LOCALITIES OF *GASTEROCERCUS DEPRESSIROSTRIS* (FABRICIUS, 1792)  
(COLEOPTERA: CURCULIONIDAE) AND DISTRIBUTION  
OF THE SPECIES IN POLAND**

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**ABSTRACT:** *Gasterocercus depressirostris* (Fabricius, 1792) is recorded for the first time from the Pomeranian Lakeland region (the reserve “Bielinek” over Odra river). Further information about current occurrence of that very rare species in Poland is added.

**KEY WORDS:** *Gasterocercus depressirostris*, faunistics, new record, “Bielinek” reserve, nature conservation, W Poland.

The Genus *Gasterocercus* Laporte & Brullé, 1828 (Coleoptera: Curculionidae: Cryptorhynchinae) includes 9 species distributed in the Palearctic and Oriental regions (Alonso-Zarazaga et al. 2009). Between them there are two European endemite species: *G. depressirostris* - well known but rare and local in France, Germany, Czech Republic, Slovakia, Austria, Italy, Hungary, Moldova, Poland, Romania, Bulgaria, Ukraine and South Russia; and *G. hispanicus* - recently described from the Iberian Peninsula (Alonso-Zarazaga et al. 2009). Both these European species seem to be good indicators of the saproxylic quality of forests and *G. depressirostris* is listed on the Red Data Book of animals in Germany and Poland (Binot et al. 1998; Franz 1994; Głowaciński and Nowacki 2004). These arguments evidence the need of the monitoring of the distribution of this species and number of his population.

For the first time in Poland *G. depressirostris* was recorded in the vicinity of Racibórz (Kelch 1852), and after, several times in the Lower and Upper Silesia regions by many authors in the late of 19th and early 20th century (Burakowski et al. 1995). Before the Second World War new localities of the species were found in Warsaw (Tenenbaum 1923; Smreczyński 1932). After the war the species were found in the Świętokrzyskie Mountains (Szujewski 1958; Kuśka 1989), Białowiecki National Park (Knutelski and Kubisz 1993;

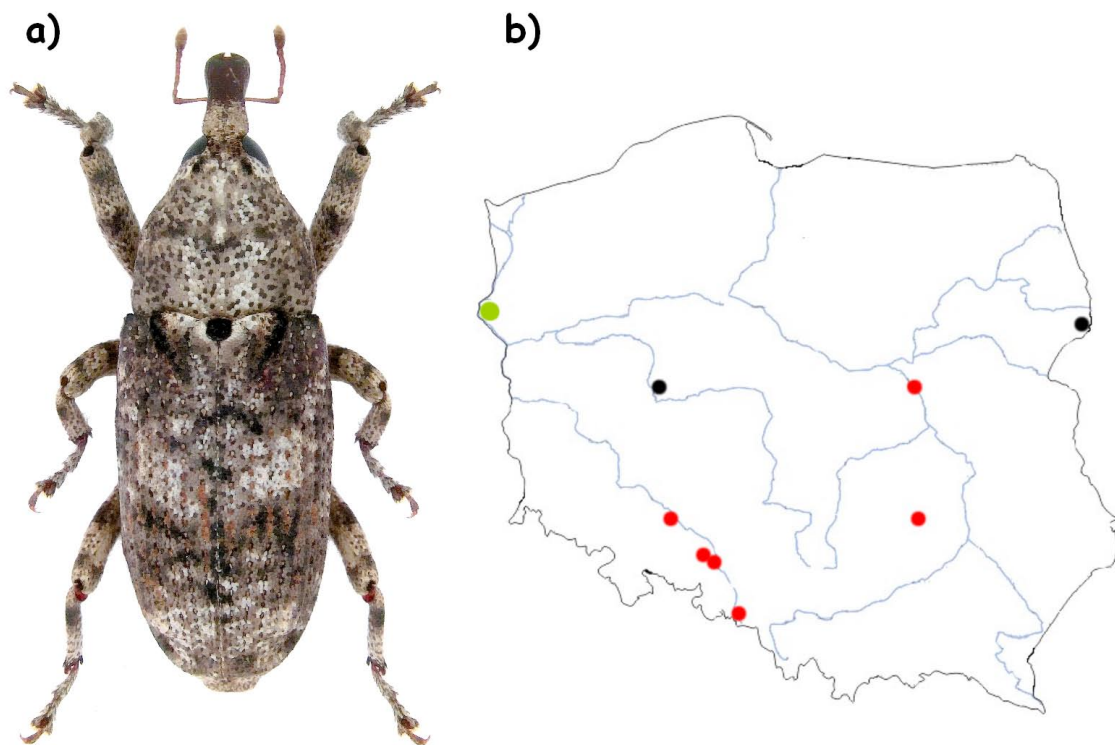
Wanat 1993) and Rogaliński Landscape Park (Mokrzycki, personal information) (Fig. 1). The records from Lower and Upper Silesia, and the Świętokrzyskie Mountains have not been confirmed recently.

In Poland *G. depressirostris* develops mainly in old, dying wood of different species of oaks (*Quercus* spp.) and *Fagus sylvatica* L. (Smreczyński 1972; Głowaciński and Nowacki 2004).

Here, I present a new record of *G. depressirostris* collected in the Pomeranian Lakeland (W Poland), it is new for the fauna of that region.

- Pomeranian Lakeland: “Bielinek” reserve over the Odra river [UTM: VU46; N: 52°57', E: 14°09'], 29.07.2009, 1 ex. ♀, leg. et coll. M. A. Mazur et T. Blaik, light trap.

One specimen of *G. depressirostris* was found during our entomological field studies in the “Bielinek” reserve over the Odra river\*. That weevil has flown to the light trap (set with white sheet and 250 Watt mercury light bulb) during a full night (about 2.00 a.m.) The light trap set was situated near the slope in thermophilous oak wood forest (*Lithospermo-Quercetum subboreale*) with single specimens of very old, dead and dying oaks (*Quercus robur* L. and *Q. pubescens* Willd.).



**Fig. 1.** a) *Gasterocercus depressirostris* (Fabricius, 1792) – female (photo by M. A. Mazur) b) Distribution of *G. depressirostris* in Poland, where: red mark – localities known before 1960 (nowadays not confirmed); black mark – present known localities; green mark – the locality in “Bielinek” on the Odra river reserve.

\*The study was conducted with the approval of the Regional Conservator of Nature in Szczecin, on the basis of the decision (referenced: RDOŚ-32-WOPN-6630-II-7-002/09/al) of 14 April 2009.

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Received: June 2009

Accepted: July 2009