

## The occurrence of *Phtheochroa drenowskyi* (REBEL, 1916) (Lepidoptera, Tortricidae, Cochylini) in Romania

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### Abstract

*Phtheochroa drenowskyi* (REBEL, 1916) is reported from Romania for the first time. Summary description of the species and line drawings of fore wings of adults, male and female genitalia, distributional and biological data are given. With 5 figures.

### Semnalarea speciei *Phtheochroa drenowskyi* (REBEL, 1916) (Lepidoptera, Tortricidae, Cochylini) din România

### Rezumat

*Phtheochroa drenowskyi* (REBEL, 1916) este semnalată pentru prima oară din România pe baza a două semnalări din Carpații Meridionali (Munții Făgăraș și Masivul Bucegi). Se dă o scurtă descriere a adultului mascul și femel precum și a armăturilor genitale masculine și femele. Se menționează puținele date de biologie, care se cunosc și distribuția speciei.

**Key words:** *Phtheochroa drenowskyi*, Romania, faunistics.

*Phtheochroa drenowskyi* (REBEL, 1916),  
(Figs. 1 - 4)

*Euxanthis drenowskyi* REBEL, 1916, Verh.  
zool.-bot. Ges. Wien **66**: (42).

**Material examined:** 2 ♂♂, 2 ♀♀: Carpații Meridionali, Munții Făgăraș, Bâlea, 2100 m, 9. VIII. 1992. (♀), (preparat genital nr. 468/♀/ KOVÁCS); Carpații Meridionali, Munții Bucegi, Caraiman, 2300 m, 27. VI. 2003. (♂), (preparat genital nr. 1486/♂/ KOVÁCS); Carpații Meridionali, Munții Bucegi, Vârful Caraiman, 2380 m, 27. VI. 2003. (1 ♂, 1 ♀), legit & coll. SÁNDOR KOVÁCS & ZOLTÁN KOVÁCS.

**Description:** Adult. Male. Wing expanse 17–18 mm. Head, thorax and abdomen light greyish yellow. Antennae grey, slightly longer than half of the forewing. Forewing (Fig. 1) long and narrow at base, widening gradually toward apex, external margin slightly concave. Ground colour light yellowish grey. Almost indistinguishable markings are light brownish grey coloured, in form of two, median and subterminal transverse fasciae, not reaching the costal margin, parallel with the external margin of the wing. Fringes yellowish white with a thin basal and a distal grey line. Hindwing narrow, slightly

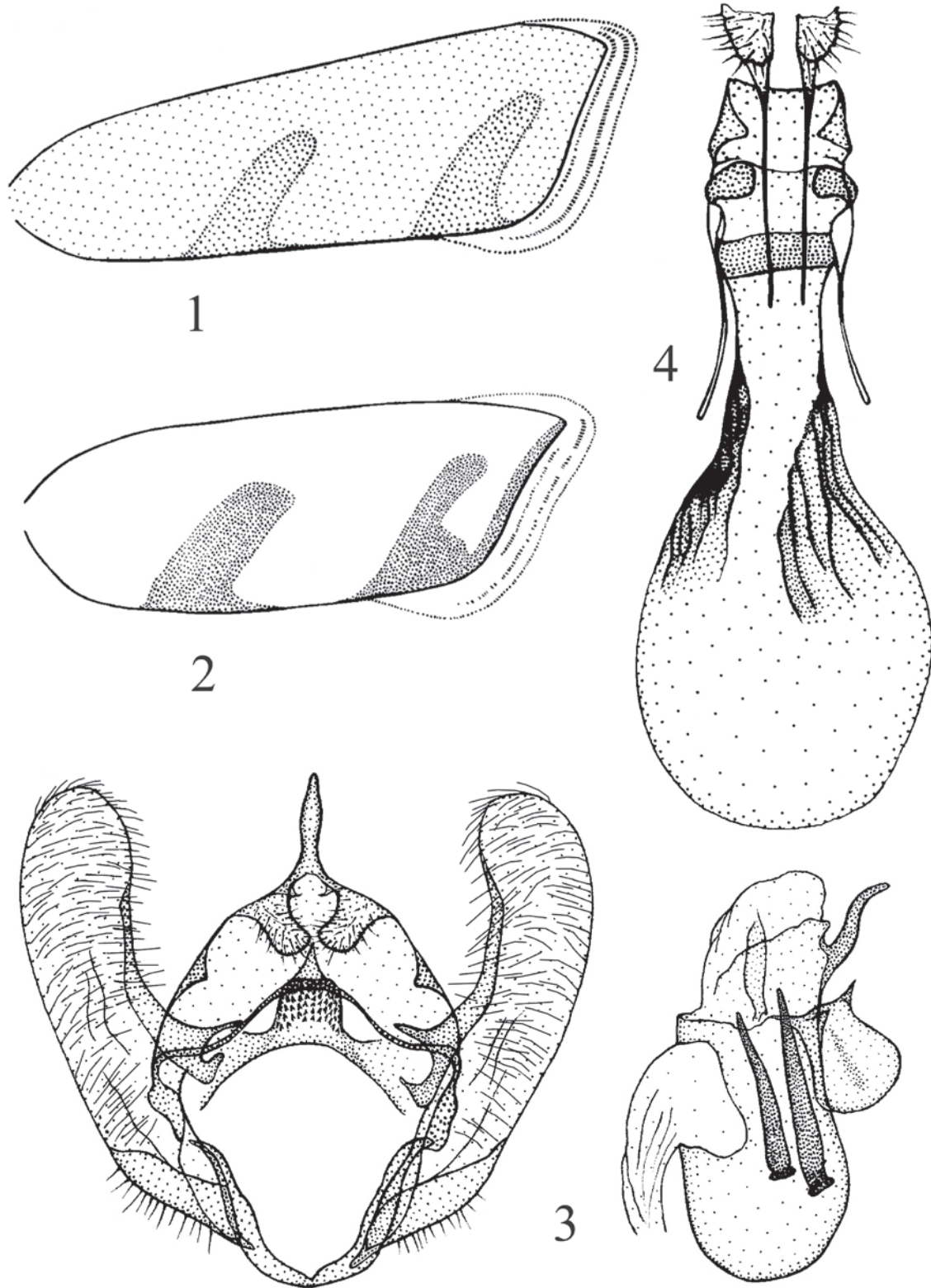
brownish grey. Fringes yellowish white with a grey basal line.

Female. Wing expanse 17–21 mm. Forewing (Fig. 2) wide even at base, apex more pointed, external margin more concave. Ground colour light yellow, at the base and along the posterior margin with grey suffusion. Markings evident, transverse fasciae wider, brownish or slightly greenish grey coloured, grey line along the termen.

Male genitalia (Fig. 3): uncus moderate long, slender; valva short, wide, curved, with short and slender sacculus; lateral parts of transtilla wide, median part moderate long, rounded apically; aedeagus short and wide with large terminal process and two large cornuti.

Female genitalia (Fig. 4) with well sclerotised and narrow proximal part of transtilla; ductus bursae and corpus bursae membranous, signa formed by wide sclerites in median and distal part of corpus bursae extending into the proximal part of ductus bursae.

**Discussion:** *Phtheochroa drenowskyi* (REBEL, 1916) is a less known cochylid moth, a total of about twenty specimens were recorded. It is difficult to differentiate from *Phtheochroa frigidana* (GUENÉE, 1845), which is probable its south-west european vicariant species. The smaller size of imago, larger



**Figs. 1 - 4:** *Phtheochroa drenowskyi* (REBEL, 1916) - 1, fore wing pattern of male; 2, fore wing pattern of female; 3, male genitalia in ventral view (genit. prep. no. 1486/ KOVÁCS); 4, female genitalia in ventral view (genit. prep. no. 468/ KOVÁCS).

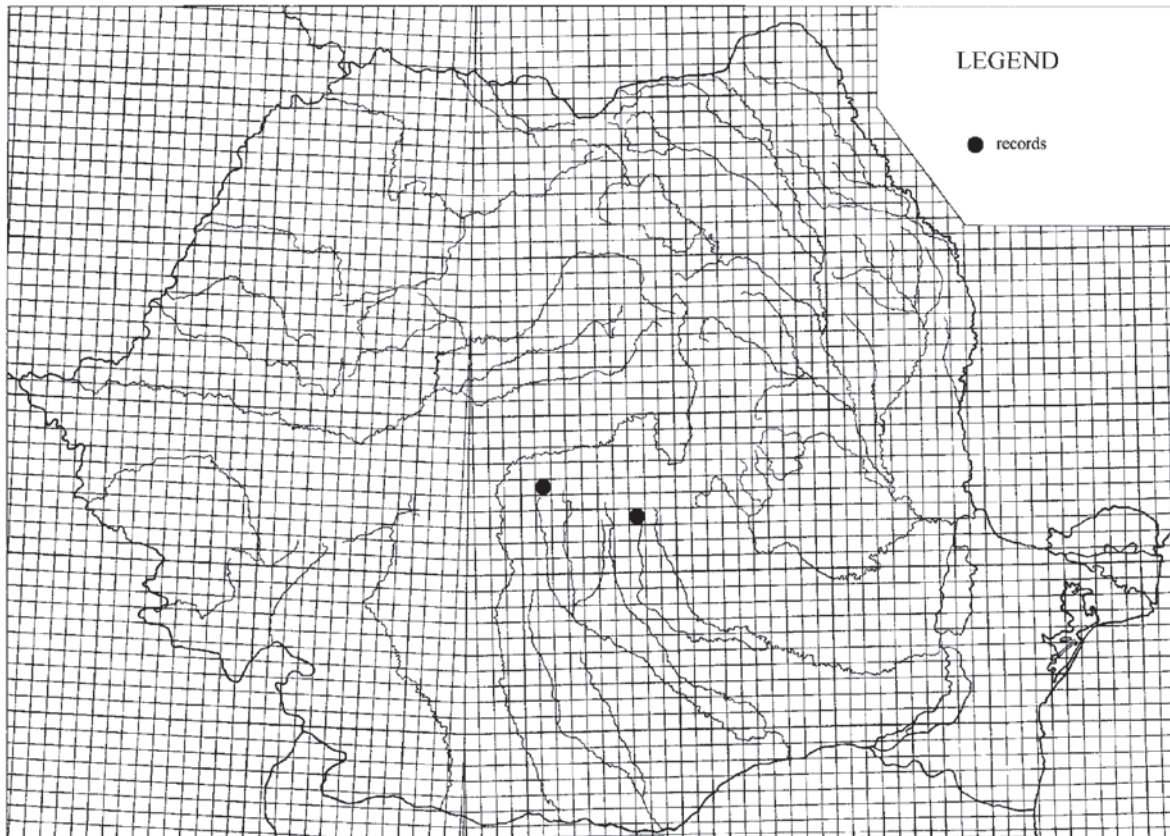


Fig. 5: The distributional map of *Phtheochroa drenowskyi* (REBEL, 1916) in Romania.

uncus and sacculus, the broad median part of transtilla and longer cornuti of the aedeagus are the main characteristics of the male genitalia, the narrower ductus bursae and less extended sclerites of corpus and ductus bursae characterizes the female genitalia of *Phtheochroa drenowskyi* (REBEL, 1916).

The species is variable. The ground colour of male is mentioned as monochrome olive yellow with slight ochreous hue by RAZOWSKI (1970, 2002). By the specimens found in the Southern Carpathians the ground colour of male is different, light yellowish grey.

**Biology:** Adults were found from end of June to middle of August, flying in the sunshine between the low grasses, mossy grassland and colonies of *Dryas octopetala* L. of the alpine zone of the Southern Carpathians between 2100 - 2380 m above the sea level. Other lepidoptera species found in the same time and same habitat were: *Sattleria dzieduszycii* (NOWICKI, 1864), *Zygaena (Zygaena) exulans* (HOHENWARTH, 1792), *Argyroploce noricanus* (HERRICH-SCHÄFFER, 1851), *Catoptria orientellus* (HERRICH-SCHÄFFER, 1850), *Erebia pandrose* (BORKHAUSEN, 1788), *Elophos (Elophos) operaria* (HÜBNER, 1813),

*Glacies canaliculata* (HOHENWARTH, 1785), *Glacies noricana* (WAGNER, 1898) and *Glacies coracina* (ESPER, 1805).

**Distribution:** This south-east european species was hitherto known only from Bulgaria: Macedonia, Demir Kapu (type locality) and Albania (RAZOWSKI 1970, 1991, 1996, 2002). This first Romanian records in the two localities of the Southern Carpathians (Fig. 5) represents the north-eastern limit of its actually known distribution.

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