

Odontognophos dumetata (Lepidoptera: Geometridae), a new genus and a new species for the Bulgarian fauna

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Abstract. *Odontognophos dumetata* (Treitschke, 1827) is reported as a new genus and a new species for the Bulgarian fauna. The genus, respectively the species, was collected on light in limestone areas in three localities during September–October 2007. Two of the localities are in Northern Bulgaria: Shoumensko Plato Natural Park above Shoumen Town and Roussenski Lom Natural Park below Ivanovo Village. The third locality is Tchepun Ridge above Dragoman Town, NW from Sofia. Previous wrong records of *Odontognophos dumetata* from Bulgaria are commented.

Samenvatting. *Odontognophos dumetata* (Lepidoptera: Geometridae) een nieuw genus en nieuwe soort voor de Bulgaarse fauna.

Odontognophos dumetata (Treitschke, 1827) wordt hier voor het eerst als nieuw voor de Bulgaarse fauna gemeld. De soort werd verzameld op licht in drie kalkrijke lokaliteiten in september-oktober 2007. Twee vindplaatsen liggen in Noord-Bulgarije: Natuurpark Shoumensko Plato boven de stad Shoumen en Natuurpark Roussenski Lom bij het dorp Ivanovo. De derde vindplaats is Tchepun boven de stad Dragoman ten noordwesten van Sofia. Eerdere, foutieve vermeldingen van *O. dumetata* uit Bulgarije worden besproken.

Résumé. *Odontognophos dumetata* (Lepidoptera: Geometridae) genre nouveau et espèce nouvelle pour la faune bulgare

Odontognophos dumetata (Treitschke, 1827) est mentionné ici pour la première fois de Bulgarie. L'espèce fut capturée dans trois biotopes calcaires pendant septembre-octobre 2007: en Bulgarie septentrionale, dans les parc naturels Shoumensko Plato près de la ville de Shoumen et Roussenski Lom près du village Ivanovo, et à Tchepun près de la ville de Dragoman au nord-ouest de Sofia. Des mentions antérieures, mais fautives, d'*Odontognophos dumetata* en Bulgarie sont commentées.

Key words: *Odontognophos dumetata* – Lepidoptera – Geometridae – Bulgaria – faunistics

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The first record of *Odontognophos dumetata* (Treitschke, 1829) (as *Gnophos*) for Bulgaria was this of Markovitch (1904: 23), who reported it from the surroundings of Razgrad Town in June and mentioned the length of the wing 19 mm. Later on, in his next paper (Markovitch 1909: 30) on the Lepidoptera fauna of Razgrad Town and its surroundings, *Odontognophos dumetata* was not included. *Gnopharmia stevenaria* (Boisduval, 1840) (as *Gnophos*) was reported instead, collected on 20 June 1906. No other original or quoted records of *Odontognophos dumetata* for Bulgaria exist in the literature, even not in the critical comments on the report of Markovitch (1904: 23).



Figs. 1–4. *Odontognophos dumetata* (Treitschke, 1829); 1.– Tchepun Ridge above Dragoman Town, 15.IX.2007, male; 2.– Idem, female; 3.– Roussenski Lom below Ivanovo Village, "Pismata", 01.X.2007, male; 4.– Idem, female.



Fig. 5. Habitat of *Odontognophos dumetata* (Treitschke, 1829); Bulgaria, Roussenski Lom Natural Park, Tcherni Lom River, near Tabachka Village.

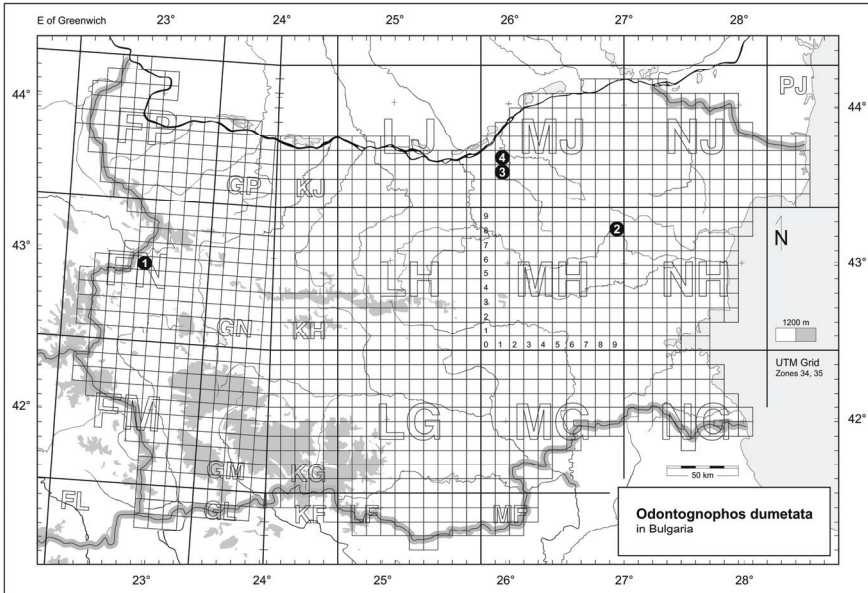


Fig. 6. Map of Bulgaria with localities of *Odontognophos dumetata* (Treitschke, 1829):

- 1 – Tchepun Ridge above Dragoman Town, 975 m
- 2 – Shoumensko Plato Natural Park, "Ohlyuva" above Divdyadovo Suburb, 456 m
- 3 – Roussenski Lom Natural Park, Tcherni Lom, near Tabachka Village, 170 m
- 4 – Roussenski Lom Natural Park, "Pismata" place below Ivanovo Village, 120 m

According to Nestorova (1998: 156) the occurrence of the species was not confirmed for Bulgaria later on, so she accepted *Odontognophos dumetata* as absent from Bulgaria.

Taking into account the flight period given in Markovitch (1904: 23), we take a courage to express the opinion, that the report quoted above should concern *Gnopharmia stevenaria*, a species surely proved in the vicinity of Razgrad and flying in June. *Odontognophos dumetata* flies from the end of August to the beginning of October, its finding in June is very unlikely.

In September–October 2007 we collected *Odontognophos dumetata* in four localities as follows:

W Bulgaria, Tchepun Ridge above Dragoman Town, 975 m, UTM Code: FN55, N42°56'53"; E022°56'14", 15.IX.2007, S. Beshkov & B. Zlatkov leg. at lamps, 2 males and one female.

Shoumensko Plato Natural Park, "Ohlyuva" above the rocks above Divdyadovo Suburb, 456 m, UTM Code: MH98, N43°15'04"; E026°55'10", 28.IX.2007, S. Beshkov & B. Zlatkov leg. single specimen in light trap;

NE Bulgaria, Roussenski Lom Natural Park, Tcherni Lom, near Tabachka Village, on the rocks opposite Orlova Chuka Cave, 170 m, UTM Code: MJ12, N43°36'07"; E025°58'22", 29.IX.2007, S. Beshkov & B. Zlatkov leg. single specimen in light trap;

NE Bulgaria, Roussenski Lom Natural Park, below Ivanovo Village, "Pismata" place near St. Archangel Michail Monastery, 120 m, UTM Code: MJ13, N43°42'02"; E025°59'14", 01.X.2007, S. Beshkov & B. Zlatkov leg. in light traps, 6 specimens.

All localities are warm, open limestone rocky areas with petrophilous vegetation, *Fraxinus ornus*, *Syringa vulgaris*, *Stipa*, etc. These are the first real and documented findings of *Odontognophos dumetata* in Bulgaria.

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