

## RESEARCH NOTES

## НАУЧНЫЕ ЗАМЕТКИ

THE FIRST RECORD OF *RHOOGASTER CHAMBERSI*  
(HYMENOPTERA, SYMPHYTA) FOR THE RUSSIAN FAUNANatalya A. Lengesova<sup>1\*</sup>, Veli Vikberg<sup>2</sup>, Alexander B. Ruchin<sup>3</sup>, Svetlana E. Mironova<sup>1</sup><sup>1</sup>*Ulyanovsk State Pedagogical University, Russia**\*e-mail: lengesova@yandex.ru*<sup>2</sup>*Liinalammintie 11 as. 6, Finland**e-mail: veli.vikberg@pp.inet.fi*<sup>3</sup>*Joint Directorate of the Mordovia State Nature Reserve and National Park «Smolny», Russia**e-mail: ruchin.alexander@gmail.com*

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During field studies conducted in 2014 and 2017, *Rhogogaster (Cytisogaster) chambersi* was found in the Mordovia State Nature Reserve (Republic of Mordovia, Russia). Data on this record are presented here. The studied species has been found for the first time in Russia. We present data of the Russian location and some information on the species distribution.

**Key words:** Mordovia State Nature Reserve, new locality, Republic of Mordovia, species, Tenthredinidae

### Introduction

The Mordovia State Nature Reserve is located in the Temnikov district of the Republic of Mordovia. It belongs to the Central Russian subprovince of the Eastern European province of the broad-leaved forest region on the wooded right bank of the River Moksha. The forest-steppe naturally marks the boundary of the protected area from the south (Khapugin et al., 2016). The climate of the Mordovia State Nature Reserve is related to the Atlantic continental region of the temperate zone. Intensive entomological studies in recent years have shown many new and interesting features of Insecta species in the Mordovia State Nature Reserve area (Ruchin & Artaev, 2016; Ruchin & Lengesova, 2012; Ruchin & Egorov, 2018; Tomaszewska et al., 2018).

The genus *Rhogogaster* Konow, 1884 (type species – *Tenthredo viridis* Linnaeus, 1758) is represented by a group of green sawflies, which are quite well isolated from the outwardly close genus of *Tenthredo* Linnaeus, 1758. Taeger et al. (2010) recorded 40 species of *Rhogogaster* s.l. worldwide, and placed seven of these in *Rhogogaster* s.str. and six in *Cytisogaster*. The remaining 27 species were left unplaced within the genus. In this report, the first results of sawfly fauna investigations are presented, including a new species for the Russian fauna.

### Results and Discussion

**Material.** Russia: 1♂ – Republic of Mordovia, Temnikov district, Mordovia State Nature Reserve, cor-

don Polyansky (54.7730°N, 43.4906°E), 18.05.2014, A.B. Ruchin; 1♀ – Republic of Mordovia, Temnikov district, Mordovia State Nature Reserve, quarter 357 (54.7637°N, 43.1857°E), 04.07.2017, A.B. Ruchin.

**Description.** This species was presented by both males and females. Size: 6.0–8.5 mm. The hind tibia are lined with black on the anterio-dorsal face. Most of the stigma is pale. Facial markings and saw teeth are diagnostic traits. The frontal area of the face with the surrounding ridge in front is pale, so, that the black facial patch is broken in front by the pale along the ridges. The colour of females is greenish white marked with black. The wings are with a stigma, mainly pale. The males differ in colour, so that the extent of black is less and all the pale flecks on the head and thorax are larger, although the pale front ridges of the frontal area may be obsolete, and the mesosternum is entirely pale. The eyes of the males are smaller and much further apart in front than the height of one, and the malar space about as long as the 2<sup>nd</sup> antennal segment. The flight period is from May to July. It is associated with the plants *Linum catharticum* L. and *L. usitatissimum* L. (Benson, 1952; Liston, 2015; Taeger & Viitasaari, 2015).

**Distribution.** The species is known from Austria, Belgium, Bulgaria, Croatia, France, Germany, Great Britain, Hungary, Italy, Moldova, the Netherlands, Slovakia, Switzerland (Benson, 1952; Roller et al., 2006; Savina et al., 2013; Taeger et al., 2018). In Russia this species has been discovered for the first time in the Republic of Mordovia.

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## ПЕРВАЯ НАХОДКА *RHOOGASTER CHAMBERSI* (HYMENOPTERA, SYMPHYTA) ДЛЯ ФАУНЫ РОССИИ

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Во время полевых исследований в 2014 и 2017 гг. в Мордовском государственном заповеднике (Республика Мордовия, Россия) был обнаружен *Rhogogaster (Cytisogaster) chambersi*. В этой статье мы впервые сообщаем о данном виде для фауны России. Представлены данные о его находке в России и о природном ареале вида.

**Ключевые слова:** Tenthredinidae, вид, Мордовский государственный заповедник, новое местонахождение, Республика Мордовия