

## New records of *Jordanita (Roccia) volgensis* (Möschler, 1862) (Lepidoptera: Zygaenidae, Procridinae) from Siberia (Russia) and Ukraine

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### Synopsis

*Jordanita (Roccia) volgensis* (Möschler, 1862) has been discovered in Omsk Region (second record from Siberia, Russia) and in Donetsk Region (third record from Ukraine).

**Key words:** Lepidoptera, Zygaenidae, Procridinae, *Jordanita volgensis*, *Roccia*, Russia (Siberia), Ukraine, distribution, new records.

### Introduction

*Jordanita volgensis* (Möschler, 1862) belongs to the subgenus *Roccia* Alberti, 1954 (Efetov & Tarmann, 1995; 1999; 2012; Efetov, 2001a). This subgenus forms a monophyletic group that is well separated by morphological and molecular characters from the other subgenera belonging to the genus *Jordanita* Verity, 1946, (Efetov, 1998; 2001c; 2004; 2005; Efetov & Tarmann, 1999; Efetov *et al.*, 2000; 2010; Subchev *et al.*, 2004).

Hitherto, *Jordanita (Roccia) volgensis* (Möschler, 1862) was known in Siberia (Russia) only from Novosibirsk Region (Efetov, 1992b), while in Ukraine from Lugansk Region (Efetov, 1994) and the Crimea (Efetov & Savchuk, 2009).

While investigating material of the subfamily Procridinae the first author determined one male and one female of this species from Omsk Region (West Siberia, Russia) and one male from Donetsk Region (Ukraine).

### Omsk and Novosibirsk Regions, West Siberia, Russia

#### MATERIAL EXAMINED

9 ♂ (Fig. 1), 1 ♀ (Fig. 2) with printed pin-labels: '9.VI.2011 Russia, Omsk Prov., Okoneshnikovskiy distr., 7 km S of Leninsk vill., 54°28'13" N, 75°28'17" E. Steppe. S. A. Knyazev leg.' (Collection S. A. Knyazev, Omsk).

1 ♂ 'Novosibirsk Reg., Karasukskiy distr., vic. p. Troitskoye, 4.06.1989, S. Ustjuzhanin [leg.]' (Efetov, 1992). (Collection K. A. Efetov, Crimean State Medical University, Simferopol).

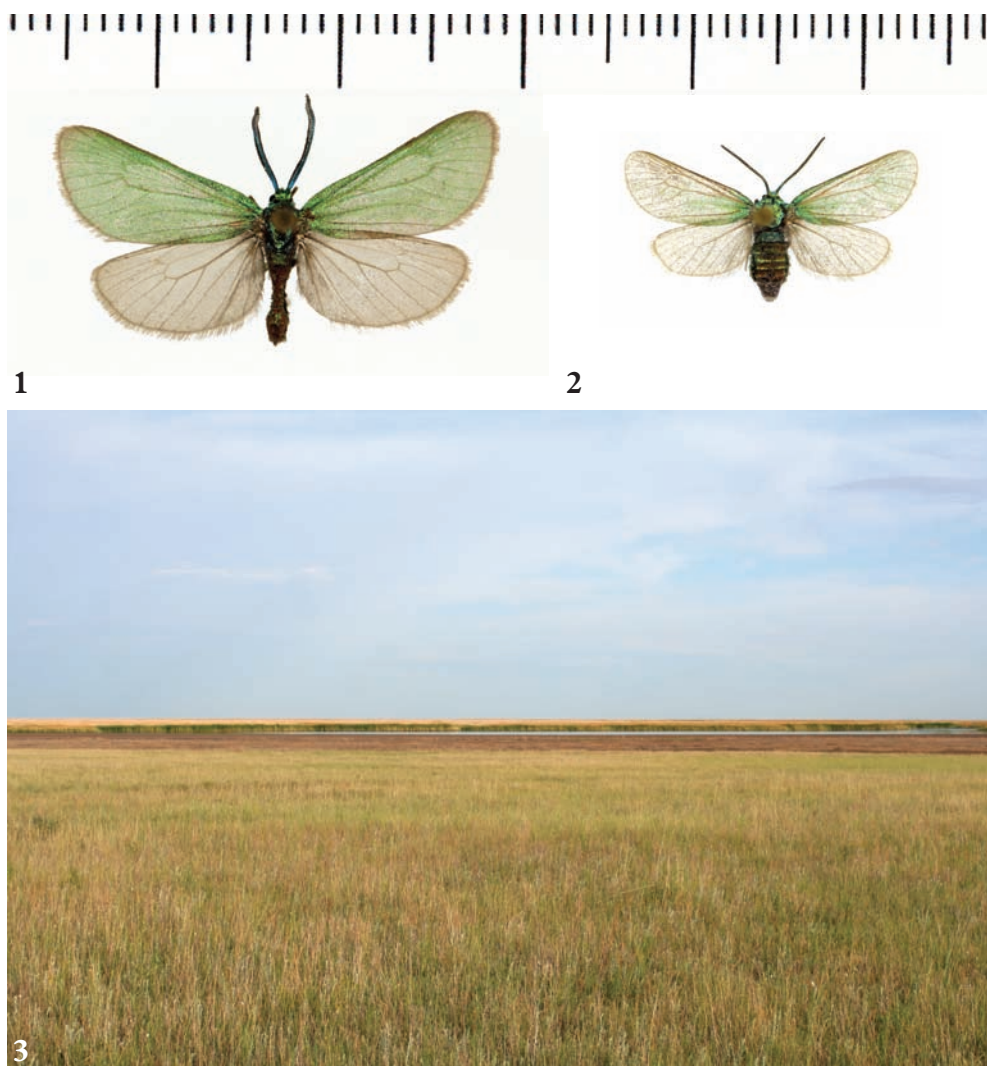
### Biotope

The biotope in Omsk Region is represented by forb steppe with sagebrush-grass vegetation predominating. The habitat (Fig. 3) is a solonets area on the shore of a salt lake.

### Donetsk Region, Ukraine

#### MATERIAL EXAMINED

1 ♂, 'Donetsk Reg., vic. Kramatorsk, p. Belen'koye, 16.06.2008, S. Dem'yanenko [leg.]. (Collection K. A. Efetov, Crimean State Medical University, Simferopol).



**Figs 1-3.** *Jordanita (Roccia) volgensis* (Möschler, 1862). Russia: Siberia, Omsk Region, Okoneshnikovskiy distr., 7 km S. of Leninsk vill., 9.vi.2011 (S. A. Knyazev). 1, male; 2, female; 3, habitat near the shore of a salt steppe lake.

Photos: S. A. Knyazev

### Habitat

The habitat in the Donetsk Region consists of calcareous steppe.

### Biology

The early stages and biology of *J. volgensis* were described quite recently (Efetov, 2000; 2001c; 2003; Efetov & Savchuk, 2009) following an investigation of populations in the Provalskaya steppe and the Crimea. The foodplant of the larva of *J. volgensis* in eastern Ukraine is *Jurinea arachnoidea* Bunge (Asteraceae),

while in the Crimea it is *Jurinea sordida* Stev. (Efetov, 2000; 2001; 2003). The host-plant in West Siberia is unknown, but it must also belong to the Asteraceae as with all other species of the genus *Jordanita* Verity, 1946 (Efetov, 1992a; 2001b; 2001c; 2005; Efetov & Tarmann, 1999).

The characters of the specimens from Omsk and Donetsk Regions show that both populations are referable to the nominotypical subspecies *J. volgensis volgensis* (Möschler, 1862).

### Distribution of *J. volgensis*

**Ukraine:** Lugansk Region (Efetov, 1994; [1999]; 2001c; Efetov & Tarmann, 1999); Donetsk Region (this publication) and Crimea (Efetov & Savchuk, 2009) (subsp. *J. volgensis volgensis* (Möschler, 1862)). **Russia:** Northern Caucasus (Dagestan) (Efetov, 1992b; [1999]); Volgograd Region (Möschler, 1862); Saratov Region (Anikin, Sachkov & Zolotuhin, 2000; Zolotuhin, Sachkov & Trofimova, 2004); Tatarstan (Efetov, 1994); Orenburg Region (Efetov, 1994; Zolotuhin, Sachkov & Trofimova, 2004); Novosibirsk Region (Efetov, 1992b; [1999]; 2001c) and Omsk Region (this publication). **Kazakhstan:** Uralsk Region (Efetov, 1994; [1999]; 2001c; 2004) (*J. volgensis volgensis*). **Transcaucasia (Armenia, Georgia, Azerbaijan)** (Efetov, 1992b; [1999]; 2004) (*J. volgensis muelleri* (Alberti, 1973)). **Turkey, Syria** (*J. volgensis grandis* (Alberti, 1974)) (Efetov & Tarmann, 1999).

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