

A new family and interesting new records of spiders (Aranei) from the European part of Russia

Новое семейство и интересные находки пауков (Aranei) из Европейской части России

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KEY WORDS: Aranei, fauna, spiders, new records, Krasnodar Province.

КЛЮЧЕВЫЕ СЛОВА: Aranei, фауна, пауки, новые находки, Краснодарский Край.

ABSTRACT. In a small collection from Adler, in the Krasnodar Province, the following taxa, new for Russia, were found: Zoropsidae Bertkau, 1882, *Oonops Templeton*, 1835 (Oonopidae), *Zoropsis* Simon, 1878, *Mysmenella jobi* (Kraus, 1967) (Mysmenidae), *Oonops domesticus* Dalmas, 1916, *Zodariion abantense* Wunderlich, 1980 (Zodariidae) and *Zoropsis spinimana* (Dufour, 1820). *Z. abantense* is new to Europe, and families Mysmenidae and Oonopidae are new to the European part of Russia.

РЕЗЮМЕ. Небольшой материал собранный в Адлере, Краснодарский край, позволил выявить ряд таксонов новых для фауны России: Zoropsidae Bertkau, 1882, *Oonops Templeton*, 1835 (Oonopidae), *Zoropsis* Simon, 1878, *Mysmenella jobi* (Kraus, 1967) (Mysmenidae), *Oonops domesticus* Dalmas, 1916, *Zodariion abantense* Wunderlich, 1980 (Zodariidae) и *Zoropsis spinimana* (Dufour, 1820). *Z. abantense* является также новым для фауны Европы, а семейства Mysmenidae и Oonopidae новыми для Европейской части России.

Introduction

The European part of Russia is well investigated in comparison to Siberia, the Far East or the Kola Peninsula, due to numerous studies [cf. Mikhailov, 1997]. Nevertheless, two hours of collecting in a city park in Adler, north-western Caucasus, produced a family entirely new to Russia (Zoropsidae), a new genus (*Oonops s.lato*) and, in addition, two families new to the European part of Russia (Mysmenidae and Oonopidae) and also one species new to Europe (official geographical border between Europe and Asia lies along the Russian border in Caucasus).

The goal of this paper is to describe and discuss these findings.

Material

All specimens treated herein were collected by me in W Caucasus, Krasnodar Province, Adler, City park of southern plants, ca. 43.430°N 39.925°E, litter, tree bark, etc., 8.10.2004 in less than 2 hours, on my way to Abkhazia (Map 1). Altogether about 60 specimens were taken. They are deposited in Zoological Museum of the Moscow State University and in my temporary collection in Zoological Museum, University of Turku.

Survey of new findings

ZOROPSIDAE Bertkau, 1882

Members of this family (22 species) are known from the Palaearctic and Australia-New Zealand [cf. Platnick, 2004]. Although in the Palaearctic this family ranges from the Canary Islands to Japan it was never reported from Russia. In the former Soviet Union only two species of *Zoropsis* were known to occur: *Z. lutea* (Thorell, 1875) (Crimea only), and *Z. kirghizicus* Ovtchinnikov & Zonstein, 2001 (Kyrgyzstan) [cf. Mikhailov, 1997 and Platnick, 2004]. Both these species belong to the *rufipes*-group. Recently a third species, *Zoropsis spinimana* (Dufour, 1820), was found in Abkhazia [Marusik & Kovblyuk, 2004].

Zoropsis spinimana (Dufour, 1820)

Z. s.: Wunderlich, 1995: 724, f. 1–2 (♂♀).

Z. s.: Thaler & Knoflach, 1998b: 174, f. 2–6, 23 (♂♀).

Z. s.: Marusik & Kovblyuk, 2004: 60, f. 5–6, 15–17 (♂♀).

MATERIAL. 1 ♂ and several juveniles.

COMMENTS. This species was recently reported from adjacent Abkhazia, to where it was possibly introduced by UN observers [cf. Marusik & Kovblyuk, 2004]. A decade ago this species was known exclusively from the western Mediterranean, and less than 10 years ago it was introduced to Austria [Thaler & Knoflach, 1998b].



Fig.1. Map of the location of the study site.
Рис. 1. Карта расположение места исследования.

More than dozen specimens of this species were collected in Sukhum and in Pitsunda in Abkhazia in period of October 9–17. All specimens were found near tree trunks of *Eucalyptus* or different conifers in the coastal parts (up to 3 km from the seashore).

MYSMENIDAE Petrunkevitch, 1928

This is a small family with 96 species belonging to 24 genera [Platnick, 2004]. Mysmenidae has a worldwide distribution. Within the Palaearctic it is known south of 50°N. Within the former Soviet Union this family was reported only recently from the Russian Far East (*Mysmenella* sp.) [Marusik & Koponen, 2000] and Azerbaijan (*Mysmenella jobi*) [Marusik & Guseinov, 2003]. Members of this family were never recorded from the European part of Russia.

Mysmenella jobi (Kraus, 1967) Figs 1–3.

Mysmena j. Kraus, 1967: 392, f. 12–28 (♂♀).
Mysmena j.: Wunderlich, 1980a: 267, f. 19–23 (♂♀).
M. j.: Thaler & Noflatscher, 1990: 174, f. 31–34 (♂).

MATERIAL. 3 ♀ and 3 juveniles among conifer needles.

COMMENTS. This is a new species for the whole of Russia. Specimens from Adler show no differences in general appearance and shape of epigyne from numerous females found in Azerbaijan. It seems that *Mysmenella jobi* is a widespread species and may occur even in Turkmenistan, Iran and other countries where it has not been collected there due to its small size. During the last few years I collected members of this genus on all of my expeditions to

south Far East (Sakhalin & Moneron Islands, Maritime Province) Azerbaijan, Abkhazia and even in South Africa.

OONOPIDAE Simon, 1890

While this family has 456 species worldwide [Platnick, 2004] only five of them are known to occur in the former Soviet Union [Marusik & Guseinov, 2003; Saaristo & Marusik, 2004]. One species and genus *Ferchestina storozhenkoi* Saaristo & Marusik, 2004 [Saaristo & Marusik, 2004] was recently described from the Russian Far East. Two species are known from adjacent Ukraine [Mikhailov, 1997], and four species, from three genera, from adjacent Azerbaijan [Marusik & Guseinov, 2003]. Members of this family have never been reported from the European part of Russia.

“*Oonops*” *domesticus* Dalmas, 1916

O. d. Machado, 1949: 7, f. 2–7 (♂♀).

O. d. Heimer & Nentwig, 1991: 52, f. 108 (♂).

O. d. Roberts, 1995: 92, f. (♂).

O. d. Roberts, 1998: 95, f. (♂).

MATERIAL. 2 ♂ and 6 ♀.

COMMENTS. This species was known earlier from Western Europe to Ukraine. This record is easternmost in the range. The generic name *Oonops* is placed in quotations because “*O.*” *domesticus* is distantly related to the genotype *O. pulcher* Templeton, 1835 (Saaristo, personal communication).

Besides Adler this species was collected in several places in adjacent Abkhazia.

ZODARIIDAE Thorell, 1881

24 zodariid species belonging to 4 genera were known to occur in the former USSR [Marusik & Guseinov, 2003]. Only one species of this family, *Zodarium thoni* Nosek, 1905, was known from Russia [Mikhailov, 1997].

Zodarium abantense Wunderlich, 1980

Z. a. Wunderlich, 1980b: 236, f. 19–24 (♂♀).

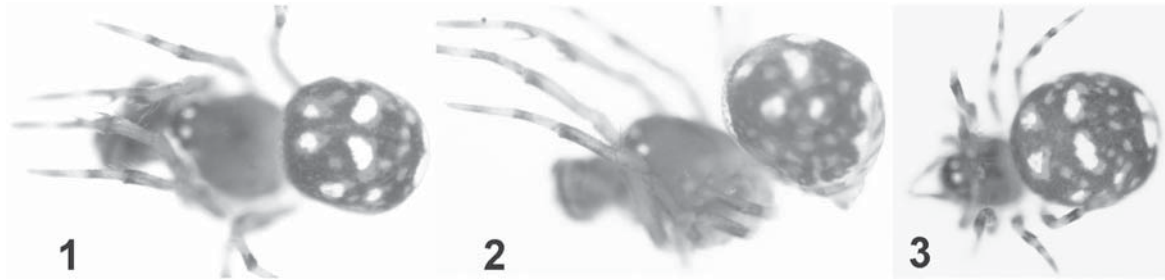
Z. a.: Dunin & Nenilin, 1987: 192, f. 1–2 (♂).

MATERIAL. 1 ♀.

COMMENTS. This species was originally described from Turkey [Wunderlich, 1980], and later it was reported from Georgia [Dunin & Nenilin, 1987]. It is new to the Russian fauna and also to Europe. The record from Adler is the northernmost in its range. I collected this species in large numbers in adjacent Abkhazia: environs of Sukhum and Pitsunda in December 2003 and in October 2004.

ACKNOWLEDGEMENTS. I wish to thank my friend Sergei Davydenko (Adler) for the opportunity to stop in Adler and make this interesting collection. I am also obliged to Dr. Viktor Malandzia (Sukhum), who invited me to participate in 3rd International Conference on Biodiversity of Caucasus, on the way to which I had the opportunity to visit Adler. Special thanks are to Donald Buckle who kindly checked the English in the final manuscript.

This work was supported in part by the Russian Foundation for Basic Research (grants 04-04-48727).



Figs 1–3. General view of *Mysmenella jobi*: 1 — male, dorsal; 2 — male, lateral; 3 — female, dorsal.
Рис. 1–3. Общий вид *Mysmenella jobi*: 1 — самец сверху; 2 — самец, сбоку; 3 — самка, сверху.

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