

## On the records of *Oecobius* spp. (Aranei: Oecobiidae) in European Russia

## О находках пауков рода *Oecobius* (Aranei: Oecobiidae) в Европейской России

K.G. Mikhailov<sup>1</sup>, N.V. Borisova<sup>2</sup>  
К.Г. Михайлов<sup>1</sup>, Н.В. Борисова<sup>2</sup>

<sup>1</sup> Zoological Museum MGU, Bolshaya Nikitskaya Str. 2, Moscow 125009 Russia. E-mail: mikhailov2000@gmail.com

Зоологический музей МГУ, ул. Большая Никитская, 2, Москва 125009 Россия.

<sup>2</sup> Nature Reserve “Prisursky”, Lesnoi Settlement 9, Cheboksary, Chuvashia, 428034 Russia. E-mail: natborisova18@yandex.ru

Государственный заповедник «Присурский», пос. Лесной, 9, Чебоксары, Чувашия, 428034 Россия.

KEY WORDS: Araneae, synanthropic spiders, distribution.

КЛЮЧЕВЫЕ СЛОВА: Araneae, синантропные пауки, распространение.

**ABSTRACT.** Review of distribution of the spiders *Oecobius navus* Blackwall, 1859 and *O. cellariorum* (Duges, 1836) in Russian and former Soviet Union republics is given. *O. navus* is firstly reported from Russia. *O. cellariorum* is shown to be missing in the central part of European Russia. New locality for *O. cellariorum* in Turkey is provided.

**РЕЗЮМЕ.** Дан обзор распространения пауков *Oecobius navus* Blackwall, 1859 и *O. cellariorum* (Duges, 1836) в России и республиках бывшего СССР. *O. navus* впервые отмечен в фауне России. Показано, что *O. cellariorum* отсутствует в центральной части Европейской России. Дана новая находка *O. cellariorum* в Турции.

Two cosmopolitan spider species, *Oecobius cellariorum* (Duges, 1836) and, especially, *O. navus* Blackwall, 1859 are reported as synanthropic in Central and Northern Europe. Since E. Simon’s time, the latter species was known under the name *Oecobius annulipes* Lucas, 1846, or, later, *Thalamia annulipes*. But, according to new data, *O. annulipes* is distributed in Algeria only, and the correct name for European spider is *O. navus* [Wunderlich, 1987].

In this paper, new records of both species are provided, mostly from republics of former Soviet Union (FSU).

Examined material is deposited in the collection of the Zoological Museum, Moscow State University (Moscow, Russia, ZMMU).

*Oecobius cellariorum* (Dugès, 1836)

Osipov, 2001, 2004: Ryazan Region (misidentification *O. navus* — see below).

**MATERIAL.** Turkey: 1 ♂, 2 ♀♀ Antalya Prov., Boztepe, Justiniano Club Park Conti, 36°38′55.47″ N, 31°40′30.81″ E, 26.05–4.06. 2011 (K.G. Mikhailov).

**DISTRIBUTION.** Russia: Chechen Republic [Minoransky et al., 1980, 1984]. FSU. Azerbaijan [Khalilova, Dunin, 1974; Dunin, 1984, 1988; Gadzhiev, 1996].

Does not occur in the Middle European Russia. The species is mostly known from native biotopes, and not regarded as invasive in Europe. Cosmopolitan area. For European distribution data see: Nentwig et al. [2017].

In Turkey, the species has been known from Bursa: campus of Uludağ University (40°13′21″ N, 28°51′56″ E) [Kaya et al., 2006] and Gaziantep Province, Işlahye District (R. Kaya, pers. comm.).

*Oecobius navus* Blackwall, 1859

**MATERIAL.** Russia: 1 ♂ Chuvash Republic, Cheboksary, in living flat, 20.02.2017 (M.L. Egorova); 4 ♂♂, 2 ♀♀, Ryazan, in living flat, 8.11.1996 (D.V. Osipov) (initially identified as “*O. cellariorum*”).

**REMARKS.** Misidentified as *O. cellariorum* from Ryazan Area [Osipov, 2001, 2004].

**DISTRIBUTION.** FSU. Ukraine: Chernigovskoe Polesie [Evtushenko, 2001: “*Thalamia annulipes*”]; Kiev [Evtushenko, Singaevsky, 2008]; Latvia [Sternbergs, 1980: “*O. annulipes*”]; Estonia [Vilbaste, 1974, 1987, both as *O. annulipes*]. Georgia: Abkhazia [Spassky, 1937: “*O. annulipes*”]; Kovblyuk et al., 2011]. Azerbaijan [Dunin, 1988, 1989; Gadzhiev, 1996, all as *Thalamia annulipes*]. Herein, the species is firstly recorded in Russia (Chuvash Republic and Ryazan Area).

Cosmopolitan. For European distribution data see Nentwig et al. [2017].

### Discussion

In earlier 1990-s, a population of *Oecobius* sp. was found in a flat in Moscow (S. Makarenkov, pers. comm.), but the species was not identified properly; material is lost.

In a large Caucasian & Middle Asian spider collection of the late Dr. P.M. Dunin deposited in ZMMU, no *Oecobius* specimens are found. Therefore, his determinations are not checked.

According to our data, *O. cellariorum* occurs in southern regions, whereas *O. navus* penetrates from southern to northern areas, including Finland [Fritzén, 2013], being certainly invasive species.

**Acknowledgements.** The work of the first author (KM) is supported by Moscow State University Project No. AAAA-A16-116021660077-3. Proceeding of this paper is supported by Russian Science Foundation project No. 14-50-00029. We are thankful to Maria L. Egorova (Cheboksary, Russia) for providing *Oecobius* specimen from this town, Dr Yuri M. Marusik (Magadan, Russia) for identification of Turkish *Oecobius*, Dr Valery A. Korneev (Kiev, Ukraine) and anonymous reviewer of “Vestnik zoologii” (Kiev, Ukraine) for linguistic help. Dr. Rahim Kaya (Uludağ University, Turkey) kindly informs us about unpublished record of *O. cellariorum* from Turkey.

## References

- Dunin P.M. 1984. [Fauna and ecology of spiders (Aranei) of the Apsheron Peninsula (Azerbaijani SSR)] // Utochkin A.S. (ed.). Fauna i ekologiya paukooobraznykh. Perm: Perm University. P.45–60 [in Russian].
- Dunin P.M. 1988. [Cribellate spiders (Aranei, Cribellatae) of Azerbaijan] // Entomologicheskoe obozrenie. Vol.67. No.1. P.190–203 [in Russian, with English summary].
- Dunin P.M. 1989. [Fauna and altitudinal distribution of spiders (Arachnida, Aranei) of the Azerbaijan part of the southern macroslope of the Caucasus Major] // Lange A.B. (ed.). Fauna i ekologiya paukov i skorpionov: Arakhnologicheskii sbornik. Moscow: Nauka Publ. P.31–39 [in Russian].
- Evtushenko K.V. 2001. [Eusynanthropic spiders (Aranei) of Chernigovskoe Polesye] // Izvestiya Kharkovskogo Entomologicheskogo Obshchestva. Vol.8 (for 2000). No.2. P.184–185 [in Russian].
- Evtushenko K.V., Singaevsky E.N. 2008. [Eusynanthropic spiders (Arthropoda: Aranei) of Kiev] // Izvestiya Kharkovskogo Entomologicheskogo Obshchestva. Vol.15 (for 2007). No.1–2. P.223–225 [in Russian, with English summary].
- Fritzén N.R. 2013. The synanthropic *Oecobius navus* (Araneae: Oecobiidae) established indoors in southern Finland // Mem. Soc. Fauna Flora Fennica. Vol.89. P.32–34.
- Gadzhiev A.T. 1996. [Class arachnids — Arachnida. Order spiders — Aranei] // Aliev S.V., Kasymov A.G. (eds.). Zhivotnyi mir Azerbaidzhana [Animal world of Azerbaijan]. Vol.2. Tip chlenistonogie [Phylum Arthropoda]. Baku: Elm Publishers. P.50–60 [in Russian].
- Kaya R.S., Uzun H., Bayram A. 2006. A new record for the Turkish spider fauna: *Oecobius cellariorum* (Dugès, 1836) (Araneae: Oecobiidae) // Serket. Vol.10. No.1. P.25–28.
- Khalilova S.G., Dunin P.M. 1974. [Materials to the study of the synanthropic spider fauna of the Apsheron Peninsula. Communication I] // Uchenye zapiski Azerbaidzhanskogo Universiteta. Seriya biol.n. No.3. P.51–54 [in Russian].
- Kovblyuk M.M., Marusik Yu.M., Ponomarev A.V., Gnelitsa V.A., Nadolny A.A. 2011. Spiders (Arachnida: Aranei) of Abkhazia // Arthropoda Selecta. Vol.20. No.1. P.21–56.
- Minoransky V.A., Ponomarev A.V., Gramotenko V.P. 1980. [Little known and new spiders (Aranei) in the south-east of the USSR European part] // Vestnik zoologii. No.1. P.31–37 [in Russian].
- Minoransky V.A., Ponomarev A.V., Slyusarev V.V., Gramotenko V.P. 1984. [To the spider (Aranei) fauna of Checheno-Ingushetia] // Izvestiya Severo-Kavkazskogo nauchnogo tsentra vysshei shkoly. Estestvennye nauki. No.4. P.76–81 [in Russian].
- Nentwig W., Blick Th., Gloor D., Hänggi A., Kropf Ch. 2017. Spiders of Europe. Available online on <http://www.araneae.unibe.ch> (accessed on April 8<sup>th</sup>, 2017)
- Osipov D.V. 2001. [Synanthropic spiders of Ryazan Town] // Cheltsov N.V. (ed.). Fauna, ekologiya i evolyutsiya zhivotnykh. Ryazan. P.70–72 [in Russian].
- Osipov D.V. 2004. [Spiders of Ryazan Area (Aranei, Arachnida, Chelicerata): annotated list of species] // Trudy Okskogo gosudarstvennogo prirodnogo biosfernogo zapovednika. Ryazan: Uzorochie Publ. No.23. P.246–271 [in Russian, with English summary].
- Spassky S.A. 1937. [Materials to the spider fauna of the Black Sea coast] // Sbornik nauchno-issledovatel'skikh rabot Azovo-Chernomorskogo sel'skokhozyaistvennogo instituta. No.5. P.131–138 [in Russian].
- Šternbergs M.T. 1980. [On the record of a local population of *Oecobius annulipes* Lucas, 1846 (Aranei, Oecobiidae) in Latvia] // Fauna i ekologiya bespozvonochnykh LatvSSR. Riga: Latvian Univ. P.86–87 [in Russian].
- Vilbaste A. 1974. Subtropilina ämblike sugukond eesti faunas // Eesti Loodus. Kd.17. Nr.6. Lk.360–361 [in Estonian].
- Vilbaste A. 1987. Eesti ämblikud (Aranei) Annoteeritud nimestik [Estonian spiders. An annotated checklist]. Tallinn: Valgus. 178 lk. [in Estonian, with English summary]
- Wunderlich J. 1987. Die Spinnen der Kanarischen Inseln und Madeiras: Adaptive Radiation, Biogeographie, Revisionen und Neubeschreibungen. Langen: Triops. 435 S.