

New data on the spider fauna (Aranei) of the southern part of the Kherson Region, Ukraine

Новые данные по аранеофауне (Aranei) юга Херсонской области Украины

A.A. Fomichev
А.А. Фомичев

Gurievskaya street – 29, apt. 56, Novosibirsk 630102 Russia
ул. Гурьевская – 29, кв. 56, г. Новосибирск 630102 Россия

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ABSTRACT. A list of 94 spider species is provided for the southern part of the Kherson Region, Ukraine. Three species, *Dasumia amoena*, *Macaroesis flavicomis* and *Nurscia albosignata*, are recorded from the Russian Plain for the first time.

РЕЗЮМЕ. Список 94 видов пауков приводится для юга Херсонской области, Украина. Три вида, *Dasumia amoena*, *Macaroesis flavicomis* и *Nurscia albosignata*, впервые указана для Русской Платформы.

Introduction

The araneofauna of the southern part of the Kherson Region of Ukraine, known as Cis-Chernomoria lowland, has been examined in the vicinities of Novaya Kakhovka town [1] (46.8°N, 33.6°E), Khorly village [2] (46.1°N, 33.5°E) and Askania-Nova [3] (46.4°N, 33.9°E). Of these localities, the village Khorly lies on a small peninsula connected to the mainland by a narrow isthmus of several kilometres long and only a few meters wide. Spiders have been collected from mid-July to mid-August in 2005, 2006 and 2007, but the bulk of the material was collected in 2007, and mostly from Novaya Kakhovka. It is important to notice that the araneofauna both of Novaya Kakhovka and of Khorly has never been examined to date. Whereas the fauna of Askania-Nova and neighbouring territories has been studied by a number of authors [Pereleshina, 1927; Guryanova, 1992, 1993; Guryanova & Khomenko, 1991; Polchaninova, 1990ab, 1995, 2001; Polchaninova & Prokopenko, 2007].

The following habitats have been surveyed: a — secondary plantations of *Robinia* on sands, b — steppe, c — forest plantations; d — synanthropic habitats; e — saline swamps; f — pond shores; g — plavni (floodplains); h — secondary steppe formed of ex-croplands. Most identifications have been made with the aid of the

field guide by M. Roberts [1995]. The species marked with ‘?’ refer to provisional identifications. The representatives of Linyphiidae, not abundant in this collection, remain undetermined and therefore are not included in the following list. The list of species is arranged according to Mikhailov [1997]. All spiders are kept in the collection of the Siberian Zoological Museum RAS, Novosibirsk, Russia (curator, Dr G.N. Azarkina).

A list of species

Excluding the Linyphiidae, a total of 94 spider species has been collected and identified. According to the list given below, the most collected spider families are Salticidae (16.1% of the collected and identified species), Araneidae (11.4%), and Lycosidae (10.5%), followed by Theridiidae (9.5%), Philodromidae (7.6%), Thomisidae (7.6%), and Gnaphosidae (4.8%). Three species, *Dasumia amoena*, *Macaroesis flavicomis* and *Nurscia albosignata*, have been recorded from the Russian Plain for the first time [cf. Mikhailov, 1997].

According to the personal data by N.Yu. Polchaninova [pers. comm.], the spider fauna of the southern part of Kherson Region contains 346 species, of which 79 species reported by Talanov & Nazarenko [1989] are in need of confirmation as the collection of these authors was lost. The newly collected material allows us to supplement the list of spiders of Kherson Region by 19 species (each marked with a single asterisk in the list given below) and to confirm the occurrence of eight species reported by Talanov & Nazarenko [1989] (marked with two asterisks). Thus, a total of 373 spider species have been recorded from Kherson Region to date.

Family Agelenidae (4)

- Agelena gracilens* C.L. Koch, 1841: 2 ♀♀ [3c].
**Teegenaria agrestis* (Walckenaer, 1802): 1 ♀ [1d].
*(?)*T. campestris* (C.L. Koch, 1834): 6 ♀♀1♂ [1d].
***T. domestica* (Clerck, 1758): 1♂ [1d].

Family Araneidae (12)

- Araneus angulatus* Clerck, 1758: 6 ♀♀ [2cd].
A. diadematus Clerck, 1758: 5 ♀♀, 1 ♂ [2cd].
A. marmoreus Clerck, 1758: 7 ♀♀, 1 ♂ [2h].
 **Araniella inconspicua* (Simon, 1874): 1 ♀ [1d].
Argiope bruennichi (Scopoli, 1772): 2 ♂♂ [1a]; 1 ♀ [2b]; 1 ♀ [2e].
A. lobata (Pallas, 1772): 2 ♀♀ [2].
 **Larinioides cornutus* Clerck, 1758: 1 ♀, 1 ♂ [1g]; 3 ♀♀ [2e].
L. scolopetarius (Clerck, 1758): 2 ♀♀ [1g].
Mangora acalypha (Walckenaer, 1802): 7 ♀♀ [1ac].
Neoscona adianta (Walckenaer, 1802): 2 ♀♀, 1 ♂ [1a]; 6 ♀♀, 3 ♂ [2ch].
 ***Nuctenea umbratica* (Clerck, 1758): 1 ♀ [1d]; 3 ♀♀ [2d].
Singa hamata (Clerck, 1758): 4 ♀♀ [2e].

Family Clubionidae (4)

- Cheiracantium punctorium* (Villers, 1789): 2 ♀♀, 3 ♂♂ [2eh].
 *(?)*Clubiona alpicola* Kulczyński, 1881: 1 ♀ [2e].
C. phragmitis C.L. Koch, 1843: 5 ♀♀ [1a].
C. reclusa O. Pickard-Cambridge: 1863; 4 ♀♀ [2e].

Family Dictynidae (1)

- Dictyna* sp.: 8 ♀♀, 1 ♂ [1d].

Family Dysderidae (2)

- **Dasumia amoena* (Kulczyński in Chyzer et Kulczyński, 1897): 1 ♀ [1c]. New to Russian Plain [cf. Mikhailov, 1997].
 ***Dysdera crocata* C.L. Koch, 1838: 1 ♀ [2e]; 1 ♀ [1c].

Family Gnaphosidae (5)

- Aphantaulax seminigra* Simon, 1878: 1 ♀ [1a].
Callilepis nocturna (Linnaeus, 1758): 6 ♀♀ [1c].
Drassodes lapidosus (Walckenaer, 1802): 1 ♀ [1g]; 1 ♀ [2b].
Gnaphosa lucifuga (Walckenaer, 1802): 1 ♀ [1a].
 ***Nomisia aussereri* (L. Koch, 1872): 1 ♂ [3c].

Family Lycosidae (11)

- Allohogna singoriensis* (Laxmann, 1770): 1 ♀ [2b].
Arctosa leopardus (Sundevall, 1832): 1 ♀ [1f]; 1 ♀ [2e].
Hogna radiata (Latreille, 1817): 1 ♀ [1c]; 5 ♀♀ [2bce].
Lycosa nordmanni (Thorell, 1875): 1 ♀ [2b].
 **L. vultuosa* C.L. Koch, 1838: 1 ♀ [1a]; 3 ♀♀ [2b].
Lycosa sp.: 1 ♀ [2e].
 **Pardosa hortensis* (Thorell, 1872): 1 ♀ [2e].
 *(?)*P. nigriceps* (Thorell, 1856): 1 ♀ [2c].
Pirata piraticus (Clerck, 1758): 1 ♀ [1f].
 ***Tarentula aculeata* (Clerck, 1758): 1 ♀ [2e].
 (?)*Xerolycosa miniata* (C.L. Koch, 1834): 1 ♀ [2f].

Family Oxyopidae (2)

- Oxyopes heterophtalmus* (Latreille, 1804): 1 ♀ [1a]; 1 ♀ [2h].
O. lineatus Latreille, 1806: 6 ♀♀, 3 ♂♂; [1acd]; 3 ♀♀ [2c].

Family Philodromidae (8)

- ***Philodromus aureolus* (Clerck, 1758): 1 ♀ [3c].
P. cespitum (Walckenaer, 1802): 1 ♀ [1f].
P. fallax Sundevall, 1832: 9 ♀♀, 1 ♂ [2b].
P. histrio (Latreille, 1819): 8 ♀♀ [2b].
 *(?)*P. longipalpis* Simon, 1870: 1 ♂ [1a].
Thanatus formicinus (Clerck, 1758): 1 ♀ [2b].
T. vulgaris Simon, 1870: 1 ♀ [2h].
Tibellus oblongus (Walckenaer, 1802): 3 ♀♀, 1 ♂ [1a]; 3 ♀♀ [2h].

Family Pholcidae (1)

- ***Pholcus phalangoides* (Fuesslin, 1775): 3 ♀♀, 1 ♂ [1d].

Family Pisauridae (1)

- Pisaura mirabilis* (Clerck, 1758): 1 ♀ [1a]; 1 ♀ [2c].

Family Salticidae (17)

- Aelurillus v-insignitus* (Clerck, 1758): 1 ♀ [1a].
Heliophanus auratus C.L. Koch, 1835: 1 ♀ [2b]; 1 ♀ [2d]; 4 ♀♀ [1a]; 1 ♂ [1g].
H. cupreus (Walckenaer, 1802): 1 ♂ [1f].
H. flavipes (Hahn, 1832): 2 ♀♀ [1c].
 **Macaroeris flavicomis* (Simon, 1884): 1 ♀ [2c]. New to Russian Plain [cf. Mikhailov, 1997].
Mendosa canestrinii Ninni in Canestrini et Pavesi, 1868: 4 ♀♀, 1 ♂ [2e].
Myrmarachne formicaria (De Geer, 1778): 1 ♂ [1d].
Pellenes nigrociliatus (Simon in L. Koch, 1875): 8 ♀♀, 1 ♂ [1a].
 **P. tripunctatus* (Walckenaer, 1802): 1 ♀ [2d].
Phlegra fasciata (Hahn, 1826): 1 ♀ [1a].
Pseudicius encarpatus (Walckenaer, 1802): 1 ♀ [1d]; 1 ♂ [2d].
Salticus cingulatus (Panzer, 1797): 1 ♀ [1g].
S. scenicus (Clerck, 1758): 3 ♀♀ [2d].
 **S. zebraneus* C.L. Koch, 1837: 1 ♀ [1d].
 *(?)*Sitticus floricola* (C.L. Koch, 1837): 3 ♀♀, 7 ♂♂ [2d].
 **S. saltator* (Simon, 1868): 1 ♂ [1a].
S. zimmermanni Simon, 1887: 1 ♀ [1c].

Family Scytodidae (1)

- Scytodes thoracica* (Latreille, 1802): 6 ♀♀ [1d].

Family Tetragnathidae (4)

- Pachygnatha clercki* Sundevall, 1823: 1 ♀ [1f].
Tetragnatha extensa (Linnaeus, 1758): 6 ♀♀ [1f].
T. montana Simon, 1874: 1 ♂ [2c].
T. nigrita Lendl, 1886: 1 ♂ [1c].

Family Theridiidae (10)

- ***Achaearanea tepidariorum* (C.L. Koch, 1841): 4 ♀♀ [1d].
 **Enoplognatha latimana* Hippa et Oksala, 1982: 3 ♀♀ [1c].

- Episinus truncatus* Latreille, 1809: 1 ♀ [2c].
 *(?)*Euryopis laeta* (Westring, 1861): 1 ♀ [1a].
Latrodectus tedicimguttatus (P. Rossi 1790): 2 ♂♂ [1a]; 2 ♀♀ [2bh].
Steatoda albomaculata (De Geer, 1778): 1 ♀ [2b].
S. castanea (Clerck, 1758): 8 ♀♀, 1 ♂ [1d].
S. phalerata (Panzer, 1801): 1 ♀ [2b].
S. triangulosa (Walckenaer, 1802): 2 ♀♀ [1d]; 1 ♀ [2c].
 *(?)*Theridion pictum* (Walckenaer, 1802): 1 ♀ [1f].

Family Thomisidae (8)

- Ozyptila* sp.: 1 ♀; [2b].
Runcinia lateralis (C.L. Koch, 1838): 7 ♀♀ [1a]; 2 ♀♀ [2h].
Thomisus onustus (Walckenaer, 1805): 1 ♀ [1a]; 1 ♀ [1d]; 3 ♀♀ [2b].
 **Xysticus bifasciatus* C.L. Koch, 1837: 1 ♀ [2b].
X. cristatus (Clerck, 1758): 1 ♀ [2d].
 **X. luctuosus* (Blackwall, 1836): 1 ♀ [1f].
X. robustus (Hahn, 1832): 1 ♂ [2e].
 **X. viduum* Kulczyński, 1896 [*sensu* Utotschkin, 1968]: 1 ♀ [1f].

Family Titanoecidae (2)

- Nurscia albosignata* Simon, 1874: 1 ♂ [2b]. New to Russian Plain [cf. Mikhailov, 1997].
Titanoeca schineri L. Koch, 1872: 5 ♀♀, 3 ♂♂ [1a]; 1 ♂ [2d].

Family Uloboridae (1)

- Uloborus walckenaerius* Latreille, 1806: 5 ♀♀ [1a].

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