

Remarks on the Ural spider fauna, 7. New data on the fauna of the Orenburg Area (Arachnida Aranei)

Заметки по фауне пауков Урала, 7. Новые данные по фауне Оренбургской области (Arachnida Aranei)

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КЛЮЧЕВЫЕ СЛОВА: пауки, фауна, Оренбургская обл.

ABSTRACT. 46 spider species appear new to the fauna of the Orenburg Area, including five new to the Ural fauna as a whole. Some misidentifications in the previously published Orenburg lists have been corrected.

РЕЗЮМЕ. Впервые для фауны Оренбургской области указывается 46 видов пауков, из которых пять являются новыми для фауны Урала. Исправлен ряд ошибочных видовых определений, содержащихся в ранее опубликованных фаунистических списках по Оренбургской области.

Introduction

The first record of a spider, *Allohogna singorien-sis* (Laxmann, 1770), from the Orenburg Area belongs to Zarudny [1883: as *Lycosa*]. Until the publication of the first paper specially devoted to Orenburg spiders [Kharitonov [1927], all information on the spider fauna of this region had been supplemented by three species only: *Atypus muralis* Bertkau, 1890 [Kroneberg, 1875: as *A. piceus* (Sulzer, 1776)], *Pardosa plumipes* (Thorell, 1875) [Thorell, 1875: as *Lycosa*], and *Latrodectus tredecimguttatus* (Rossi, 1790) [Rossikov, 1904]. Soon after that [Vorontsovsky, 1931], one more species was recorded there: *Argiope lobata* (Pallas, 1772). References to all species known from the Orenburg Area were summarized in the first catalogue of the Russian spiders by Kharitonov [1932, 1936], who gave a list of 36 species.

Recently, Kuznetsov & Koblova [1977], Kuznetsov [1988, 1995] and Kuznetsov & Ni [1995] have listed further 92 spider species previously unknown from the territory of the Orenburg Area. Additional data can also be found in a few papers devoted to a

local spider faunule [Shiperovich, 1939] and individual families: Gnaphosidae [Ovtsharenko, 1982; Mikhailov, 1987], Thomisidae [Utochkin, 1960]. As a result, 131 species of spiders have hitherto been recorded in the Orenburg Area.

Based on individual species ecologies and distributions, the following of them seem unlikely to occur in the Urals: *Atypus muralis* Bertkau, 1890 [Croneberg, 1875: as *A. piceus*], *Pardosa agricola* (Thorell, 1856) [Kharitonov, 1927: as *P. fluviatilis* (Blackwall, 1861)], *Titanoeca veteranica* Herman, 1879 [Kharitonov, 1927] and *Cheiracanthium pelagicum* (C.L. Koch, 1837) [Kuznetsov & Koblova, 1977]. Besides that, the identity remains dubious of what Kharitonov [1927] referred to as *Trochosa dimidiata* Thorell, 1875.

The present paper puts on record additional 37 spider species new to the Orenburg Area list. Five among them are new to the fauna of the Urals as a whole. Thus, the Orenburg spider fauna currently includes already 168 species.

Material and methods

Most of the material treated below has been collected by Mr. S.F. Kuznetsov (SK) and at present belongs to the collection of the Department of Zoology of the Perm State University (PSU). All material is derived from the Orenburg Area only. The following abbreviations are accepted: sub♂ — submale, sub♀ — subfemale, juv. — juvenile.

Taxonomic part

Before going further, the following previous misidentifications of Orenburg spiders should be corrected as based on a restudy of pertinent material.

1. The records of *Uloborus walckenaerius* (Latreille,

1806) by Kuznetsov [1995] and Kuznetsov & Ni [1995] should be referred to *Uloborus plumipes* Lucas, 1846.

2. The record of *Euryopis argenteomaculata* Simon, 1879 by Kuznetsov [1988] should be referred to *Euryopis saukea* Levi, 1951.

3. The record of *Theridion sisypium* (Clerck, 1758) by Kuznetsov [1988] should be referred to *Theridion innocuum* Thorell, 1875.

4. The record of *Theridion swarczewskii* Wierzbicki, 1902 by Kuznetsov [1988] is actually applied to *Agyneta ressl* (Wunderlich, 1973).

5. The records of *Meioneta rurestris* (Walckenaer, 1802) in the Orenburg Area by Kuznetsov [1988, 1995] and Esyunin et al. [1995] should be referred again to *Agyneta ressl* (Wunderlich, 1973).

6. The record of *Oedothorax fuscus* (Blackwall, 1834) in the environs of Orenburg by Kuznetsov [1995] is actually applied to *Gongylidium rufipes* (L., 1758).

7. The record of *Araneus silvicultrix* (C.L. Koch, 1844) in the environs of Orenburg by Kuznetsov [1995] is actually applied to *Neoscona adianta* (Walckenaer, 1802).

8. The record of *Pardosa proxima* (C.L. Koch, 1848) by Kuznetsov [1980] is actually applied to a *Pardosa* sp.

9. The record of *Dictyna kosiorowiczi* Simon, 1873 in the environs of Orenburg by Kuznetsov & Koblova [1977] is actually applied to *Archaeodyctina consecuta* (O. P.-Cambridge, 1872).

10. The record of *Amaurobius fenestralis* (Stroem, 1768) in the environs of Orenburg by Kuznetsov [1995] is actually applied to *Titanoeca quadriguttata* (Hahn, 1833).

11. The record of *Drassodes pubescens* (Thorell, 1856) in the environs of Orenburg by Kuznetsov [1995] is actually applied to *D. villosus* (Thorell, 1856).

12. The record of *Zelotes electus* (C.L. Koch, 1839) in the environs of Orenburg by Kuznetsov [1995] is actually referred to *Zelotes pseudoclivicola* Grimm, 1982.

13. The records of *Philodromus aureolus* (Clerck, 1758) in the environs of Orenburg by Kuznetsov [1988, 1995] are actually applied to *Philodromus cespitum* (Walckenaer, 1802).

14. The record of *Ozyptila atomaria* (Panzer, 1801) by Kuznetsov [1995] is actually applied to *Ozyptila praticola* (C.L. Koch, 1837).

15. The records of *Ozyptila trux* (Blackwall, 1846) by Kuznetsov [1995] and Kuznetsov & Ni [1995] are actually applied to *Ozyptila scabricula* (Westring, 1851).

16. The record of *Xysticus robustus* (Hahn, 1833) by Kuznetsov [1995] should actually be referred to *Ozyptila praticola* (C.L. Koch, 1837).

17. The record of *Ballus depressus* Walckenaer, 1802 by Kuznetsov [1995] is actually applied to *Salticus cingulatus* (Panzer, 1797).

18. The records of *Sitticus pubescens* (Fabricius, 1775) by Kuznetsov [1988, 1995] are actually applied to *Evarcha michailovi* Logunov, 1992 (♂) and *Heliophanus patagiatus* Thorell, 1875 (♀).

List of species new to the Urals

Fam. Pholcidae

Pholcus fagei Spassky, 1940

Figs 1-4.

MATERIAL 1 ♀, Orenburg Distr., Donguz Station, inside a

house, 1992, leg. SK; 1 ♂, 5 ♀♀, Orenburgskii Reserve, Aituar, inside a house, V.1996, leg. N. Mazura.

REMARKS. New to the fauna of the Urals, this species was originally described from Kazakhstan [Spassky, 1940] and later recorded in Kalmykia [Minoransky & Ponomarev, 1984].

Fam. Uloboridae

Uloborus plumipes Lucas, 1846

Fig. 5.

MATERIAL 1 ♂, Sol-Iletsii Distr., Ilek River, 20.VII.?, leg. et det. SK (as *U. walckenaerius*); 1 sub♀, Orenburgskii Reserve, date ?, leg. N. Mazura.

REMARKS. New to the Ural fauna, this species is widespread in Africa, Europe, extratropical Asia and the Indo-Malayan Region. The records of *Uloborus walckenaerius* (Latreille, 1806) in the Orenburg Area by Kuznetsov [1995] and Kuznetsov & Ni [1995], both as *U. walekenarius* (sic!), seem to be referred to *U. plumipes*.

Fam. Agelenidae

Agelena gracilens C.L. Koch, 1841

Fig. 7.

MATERIAL 1 ♂, Pokrovka, 28.VII.?, leg. SK; 2 ♂♂, Orenburg Distr., Nezhenka, 20.VII.1988, leg. SK.

REMARKS. New to the Ural fauna. This is a trans-Palcarctic nemoral species.

Fam. Salticidae

Carrhotus xanthogramma (Latreille, 1819)

MATERIAL 1 ♀, Orenburg Distr., Chkalov, meadow, 14.VII.1988, leg. SK.

REMARKS. New to the Ural list. This is a trans-Palcarctic nemoral species.

Yllenus vittatus Thorell, 1875

Figs 6.

MATERIAL 2 ♀♀, Sol-Iletsii Distr., Ilek River, 20.V.?, leg. SK.

REMARKS. New to the Ural list. This species displays a Euro-Middle Asian distribution pattern.

List of species new to the Orenburg Area

Fam. Theridiidae

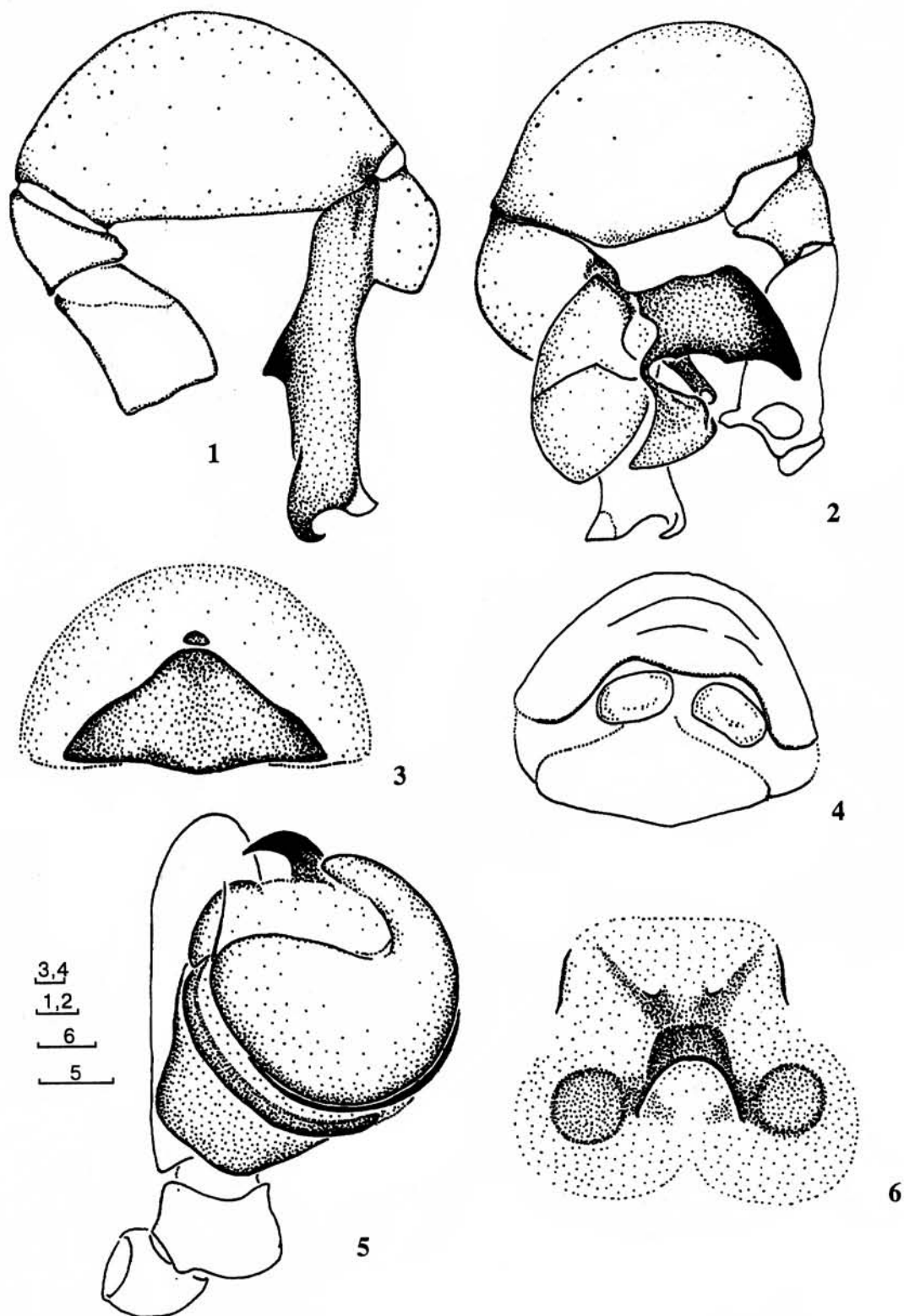
Enoplognatha ovata (Clerck, 1758)

MATERIAL 1 ♀, Pokrovka, 28.VII.?, leg. SK.

Euryopis saukea Levi, 1951

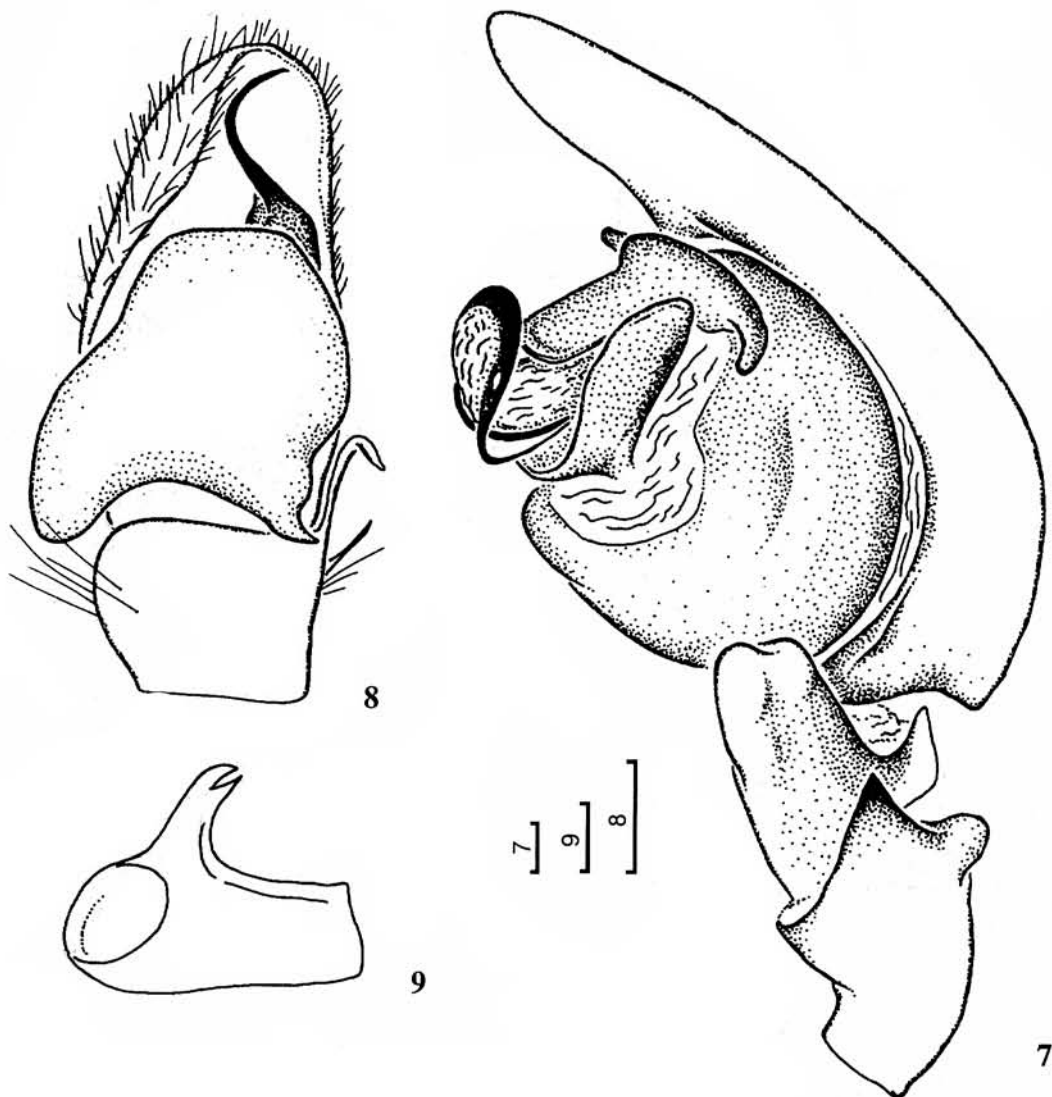
MATERIAL 1 ♂, Buzulukskii Reserve, mixed forest, 21.VIII.1986, leg. SK; 1 ♀, environs of Orenburg, forest, 31.X.1974, leg. et det. SK (as *E. argenteomaculata*).

REMARKS. The records of *E. argenteomaculata* Simon, 1879 by Kuznetsov & Koblova [1977] and Kuznetsov & Ni [1995] are referred in fact to *E. saukea*.



Figs 1-6. Genitalia of *Pholcus fagei* Spassky, 1940 (1-4), *Uloborus plumipes* Lucas, 1846 (5) and *Yllenus vittatus* Thorell, 1875 (6): 1 — femur, patella, tibia, tarsus and paracymbium of male, prolateral; 2 — male palp, retrolateral; 3 & 6 — epigyne; 4 — vulva; 5 — male palp, ventral. — Scale 0.1 mm.

Рис. 1-6. Гениталии *Pholcus fagei* Spassky, 1940 (1-4), *Uloborus plumipes* Lucas, 1846 (5) и *Yllenus vittatus* Thorell, 1875 (6): 1 — бедро, колено, голень, лапка и парацимбиум самца, вид сбоку и снаружи; 2 — палпа самца, вид сбоку и изнутри; 3 и 6 — эпигина; 4 — эндогина; 5 — палпа самца, вид снизу. — Масштаб 0,1 мм.



Figs 7-9. Genitalia of *Agelena gracilens* C.L. Koch, 1841 (7) and *Heliophanus lineiventris* Simon, 1868 (8-9): 7 — male palp, lateral; 8 — male palp, ventral; 9 — tibia of male palp, ventral. — Scale 0.1 mm.

Рис. 7-9. Гениталии *Agelena gracilens* C.L. Koch, 1841 (7) и *Heliophanus lineiventris* Simon, 1868 (8-9): 7 — палепа самца, вид сбоку; 8 — палепа самца, вид снизу; 9 — голень палепы самца, вид снизу. — Масштаб 0,1 мм.

Robertus arundineti (O. P.-Cambridge, 1871)

MATERIAL. 1 ♂, Sulak, *Pinus silvestris* forest, litter, 10.VIII.1985, leg. SK.

Theridion innocuum Thorell, 1875

MATERIAL. 1 ♀, environs of Orenburg, 20.VI.1975, leg. et det. SK (as *T. sisymbium*).

REMARKS. The record of *T. sisymbium* (Clerck, 1758) in the Orenburg Area by Kuznetsov [1988] is referred in fact to *T. innocuum*.

Theridion pictum (Walckenaer, 1802)

MATERIAL. 1 ♀, Pokrovka, 28.VII.?, leg. SK.

Fam. Linyphiidae

Agyneta ressli (Wunderlich, 1973)

MATERIAL. 1 ♂, Buzulukskii Reserve, 20.VIII.1986, leg. SK;

1 ♂, Sulak, pine forest, litter, 10.VIII.1985, leg. SK; 1 ♀, Pervomaisk Distr., Nazarovka, date ?, leg. et det. SK (as *Theridion swarczewskii*); 2 ♀♀, environs of Orenburg, 11.VII and 13.VIII.1974, leg. et det. SK (as *Meioneta rurestris*).

REMARKS. The records of *Meioneta rurestris* (Walckenaer, 1802) in the Orenburg Area by Kuznetsov & Koblova [1977] and Kuznetsov [1988, 1995] as well as, in part, by Esyunin et al. [1995] are referred in fact to *A. ressli*, as does that of *Theridion swarczewskii* Wierzbicki, 1902 by Kuznetsov [1988].

Entelecara acuminata (Wider, 1834)

MATERIAL. 1 ♀, Chkalov, 14.VII.1988, leg. SK.

Gongylidium rufipes (L., 1758)

MATERIAL. 1 ♂, environs of Orenburg, *Quercus robur* forest, 15.IX.?, leg. et det. SK (as *Oedothorax fuscus*).

REMARKS. The record of *Oedothorax fuscus* (Black-

wall, 1834) by Kuznetsov [1995] is referred in fact to *G. rufipes*.

Maso sundevalli (Westring, 1851)
MATERIAL. 1 ♀, Ivanovka, 12.VII.1988, leg. SK.

Troxochrus scabriculus (Westring, 1851)
MATERIAL. 3 ♀♀, environs of Orenburg, oak forest, 1.VIII.?, leg. SK.

Walckenaeria (Tigellinus) furcillata (Menge, 1869)
MATERIAL. 1 ♀, Nezhenka, oak forest, 8.VII.1988, leg. SK.

Fam. Tetragnathidae

Pachygnatha clercki Sundevall, 1823
MATERIAL. 1 ♀, Orenburg Distr., Donguz Station, 1.IX.1974, leg. SK.

Tetragnatha montana Simon, 1874
MATERIAL. 3 ♂♂, 7 ♀♀, Chkalov, 14.VII.1988, leg. SK; 1 ♀, Ivanovka, 12.VII.1988, leg. SK.

Tetragnatha nigrita Lendl, 1886
MATERIAL. 4 ♂♂, 5 ♀♀, Chkalov, 14.VII.1988, leg. SK.

Tetragnatha obtusa C.L. Koch, 1837
MATERIAL. 1 ♀, Chkalov, 14.VII.1988, leg. SK.

Fam. Araneidae

Araneus marmoreus Clerck, 1758
MATERIAL. 1 ♂, 2 ♀♀, Pokrovka, 28.VII.1989, leg. SK.

Araneus quadratus Clerck, 1758
MATERIAL. 2 ♂♂, Buzulukskii Reserve, 20.VIII.1986, leg. SK.

Argiope bruennichi (Scopoli, 1772)
MATERIAL. 1 ♂, Ivanovka, 12.VII.1989, leg. SK; 2 sub♂, 1 juv., Sulak, 6.VI.1988, leg. SK.

Gibbaranea bituberculata (Walckenaer, 1802)
MATERIAL. 1 sub♀, Buzulukskii Reserve, 20.VIII.1986, leg. SK.

Singa nitidula C.L. Koch, 1844
MATERIAL. 1 ♂, 1 ♀, Ivanovka, 12.VII.1988, leg. SK; 1 ♂, 1 ♀, Sol-Iletskii Distr., 20.VII.?, leg. SK.

Fam. Lycosidae

Alopecosa pulverulenta (Clerck, 1758)
MATERIAL. 1 ♀, environs of Orenburg, *Populus* forest, VIII.?, leg. SK.

Alopecosa schmidti (Hahn, 1835)
MATERIAL. 1 ♂, 1 ♀, Buzulukskii Reserve, 20.VIII.1986, leg. SK.

Fam. Dictynidae

Brigittea latens (Fabricius, 1775)
MATERIAL. 3 ♂♂, Sulak, 6.VI.1988, leg. SK; 2 ♂♂, Sol-Iletskii Distr., Ilen River, 20.VII.?, leg. SK; 1 ♀, environs of Orenburg, 5.VII.1988, leg. SK.

Fam. Titanoecidae

Titanoeca quadriguttata (Hahn, 1833)
MATERIAL. 1 ♂, 1 ♀, environs of Orenburg, 5.VII.1988, leg. SK; 1 ♀, Buzulukskii Reserve, litter, 20.VIII.1986; 2 ♀♀, environs of Orenburg, under stones, 1.VIII.1985, leg. et det. SK (as *Amaurobius fenestralis*).
REMARKS. The record of *Amaurobius fenestralis* (Stroem, 1768) in the Orenburg Area by Kuznetsov [1995] is referred in fact to *T. quadriguttata*.

Fam. Clubionidae

Clubiona caerulescens L. Koch, 1867
MATERIAL. 1 ♀, Buzulukskii Reserve, 20.VIII.1986, leg. SK.

Clubiona lutescens Westring, 1851
MATERIAL. 1 ♀, Orenburg Distr., Chkalov, meadow, 14.VII.1988, leg. SK; 1 ♂, Stepanovskii, 13.VII.1988, leg. SK; 1 ♀, Ivanovka, 12.VII.1988, leg. SK.

Clubiona neglecta O. P.-Cambridge, 1862
MATERIAL. 1 ♂, 2 ♀♀, Ivanovka, 12.VII.1988, leg. SK.

Clubiona pallidula (Clerck, 1758)
MATERIAL. 1 ♀, Nezhenka, oak forest, 8.VII.1988, leg. SK.

Fam. Gnaphosidae

Drassodes villosus (Thorell, 1856)
MATERIAL. 1 ♀, Orenburg Distr., Nezhenka, 1.VIII.1985, leg. et det. SK (as *D. pubescens*).
REMARKS. The record of *Drassodes pubescens* (Thorell, 1856) by Kuznetsov [1995] is referred in fact to *D. villosus*.

Gnaphosa montana (L. Koch, 1866)
MATERIAL. 2 ♀♀, Buzulukskii Reserve, litter, 20.VIII.1986, leg. SK.

Zelotes petrensis (C.L. Koch, 1839)
MATERIAL. 1 ♂, Buzulukskii Reserve, litter, 20.VIII.1986, leg. SK.

Fam. Zoridae

Zora pardalis Simon, 1878
MATERIAL. 1 juv., environs of Orenburg, forest, pitfall traps, 1.VIII.1985, leg. SK.

Fam. Philodromidae

Philodromus cespitum (Walckenaer, 1802)
MATERIAL. 2 ♀♀, Buzulukskii Reserve, 19.VI.1974, leg. SK; 1 ♂, environs of Orenburg, 24.VI.?, leg. SK; 1 ♂, 1 ♀, Chkalov, 14.VII.1988, leg. SK; 2 ♂♂, 2 ♀♀, Sol-Iletskii Distr., Ilek River, 20.VI.?, leg. SK; 1 ♂, 4 ♀♀, environs of Orenburg, *Populus* forest, VIII.?, leg. et det. SK (as *P. aureolus*).
REMARKS. The records of *Philodromus aureolus* (Clerck, 1758) by Kuznetsov [1988, 1995] are referred in fact to *P. cespitum*.

Fam. Thomisidae

Xysticus ulmi (Hahn, 1832)
MATERIAL. 1 ♀, Buzulukskii Reserve, 19.VI.1974, leg. et det. SK.

Fam. Salticidae

Euophrys obsoleta (Simon, 1868)

MATERIAL. 1 ♀, environs of Orenburg, 12.VIII.1985, leg. SK.

Evarcha falcata (Clerck, 1758)

MATERIAL. 4 ♂♂, 4 ♀♀, Buzulukskii Reserve, 20.VIII.1986, leg. SK.

Evarcha michailovi Logunov, 1992

MATERIAL. 1 ♂, environs of Orenburg, 30.VIII.1975, leg. SK; 1 ♀, Sulak, *Pinus* forest, 6.VI.1988, leg. SK; 1 ♂, environs of Orenburg, 27.VI.1985, leg. et det. SK (as *Sitticus pubescens*).

REMARKS. The records of the ♂ *Sitticus pubescens* (Fabricius, 1775) by Kuznetsov [1988, 1995] are referred in fact to *E. michailovi*.

Heliophanus lineiventris Simon, 1868

Figs 8-9.

MATERIAL. 1 ♂, environs of Orenburg City, Donguz Station, VIII.?, leg. SK.

Heliophanus patagiatus Thorell, 1875

MATERIAL. 1 ♂, 1 ♀, Sol-Iletsii Distr., Ilek River, 20.VII.?, leg. SK; 1 ♀, Chkalov, 14.VII.1988, leg. SK; 1 ♀, Orenburg Distr., Nezhenka, under stones, 1.VIII.1985, leg. et det. SK (as *Sitticus pubescens*).

REMARKS. The records of the ♀ *Sitticus pubescens* (Fabricius, 1775) by Kuznetsov [1988, 1995] are referred in fact to *H. patagiatus*.

Salticus cingulatus (Panzer, 1797)

MATERIAL. 1 ♀, Linevka, date ?, leg. et det. SK (as *Ballus depressus*).

REMARKS. The ♀ of *Ballus depressus* Walckenaer, 1802 recorded by Kuznetsov [1995] belongs in fact to *S. cingulatus*.

Sitticus dzieduszyckii (L. Koch, 1870)

MATERIAL. 1 ♀, Orenburg Distr., Donguz Station, 1992, leg. SK.

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