

## Remarks on the Ural spider fauna, 4. New records of spider species (excluding Linyphiidae) from the Urals (Arachnida Aranei)

### Заметки по фауне пауков Урала, 4. Новые находки пауков (кроме Linyphiidae) с Урала (Arachnida Aranei)

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**КЛЮЧЕВЫЕ СЛОВА:** пауки, фауна, фаунистика, Урал.

**ABSTRACT.** A check-list and new records of 157 spider species collected in 19 localities in the Urals are given. *Dipoena prona* (Menge, 1868), *Neottiura suaveolens* (Simon, 1879), *Mastigusa arietina* (Thorell, 1871), *Titanoeeca praefica* (Simon, 1870), *Zelotes exquis* (Müller et Schenkel, 1895), *Z. pygmaeus* Miller, 1943, *Zora parallela* Simon, 1878 and *Thanatus constellatus* Charitonov, 1946 are recorded in Russia for the first time. Most of those species are provided with illustrations. 28 species are recorded in the Urals for the first time. Some misidentifications in the previously published Ural lists have been corrected.

**РЕЗЮМЕ.** Приведены список и новые находки для 157 видов пауков из 19 точек Урала. *Dipoena prona* (Menge, 1868), *Neottiura suaveolens* (Simon, 1879), *Mastigusa arietina* (Thorell, 1871), *Titanoeeca praefica* (Simon, 1870), *Zelotes exquis* (Müller et Schenkel, 1895), *Z. pygmaeus* Miller, 1943, *Zora parallela* Simon, 1878 и *Thanatus constellatus* Charitonov, 1946 указываются для фауны России впервые. Большинство этих видов снабжены рисунками. Для фауны Урала впервые отмечается 28 видов. Исправлен ряд ошибочных видовых определений, содержащихся в ранее опубликованных фаунистических списках по Уралу.

### Introduction

The Urals is a rather important physiographical land lying at the border between Europe and Asia and encompassing a rather wide range of nature zones and belts such as flat and montane tundras, forest-tundra, taiga, mixed and broadleaved forests, forest-steppe, and steppe. On the other hand, the Urals can be divided into 6 geographical subregions (Fig. 1).

The spider fauna of the Urals is one of the best known in Russia due to numerous faunistic and taxonomic publications, the most important among them being by Gresé [1909], Eskov [1985, 1986] and Tanasevitch [1985] for the Polar Urals, by Utotchkina & Pakhorukov, [1976] and Pakhorukov [1977, 1980, 1984] for the North Urals, by Kharitonov & Berezneva [1970], Azheganova

[1971a], Azheganova & Glukhov [1981], Esyunin [1991] for the Middle Urals, and by Azheganova [1951], Pakhorukov [1985], Pakhorukov & Efimik [1988], Polyanin & Pakhorukov [1988], and Esyunin & Pakhorukov [1992] for the South Urals. Up to now, 600 spider species have been known from the Urals [Mikhailov, 1992b].

New materials collected during the last decade in a number of localities in the Urals contain numerous species, including several little-known ones. New faunistic records of species other than those belonging in the Linyphiidae are the main subject of the present paper. Here we put on record material of 157 species, eight of them being new to the fauna of Russia and 28 to the Ural fauna.

### Material

Besides the authors' collections, abbreviated in the text as (SE) and (VE), respectively, this paper is based on materials taken by: A. Alikin (AA), P. Durmanov (PD), T.I. Gridina (TIGr), V.O. Kozminykh (VOK), V.G. Novokshonov (VGN) and A.B. Polyanin (ABP) (all from Perm), Yu.I. Korobenikov (YIK), A.Yu. Malozemov (AYM) and V.N. Olshvang (VNO) (all from Ekaterinburg) and N.L. Ukhova (NLU) (Visim Reserve).

The former, German-like name spelling of one of the co-authors as Esjunin is changed here into Esyunin to sound in a more English-like way. Similarly, Charitonov has been spelt as Kharitonov, Andreeva as Andreyeva, etc.

The materials belong to the collection of the Department of Zoology of the Perm State University.

In the material sections, "f" stands for the ♀, "m" for the ♂, "subf" for the subadult ♀, "subm" for the subadult ♂, and "juv." for juvenile(s).

### List of localities

#### Polar Urals:

1. Khadyta-Yakha River – southern Yamal Peninsula.

#### Cispolar Urals:

2. Neroika Mountain – Tyumen Area, Berezovo Distr.

#### Middle Urals:

3. Baseghi Range — Perm Area, Gornozavodsk Distr.
4. Chermoz Town — Perm Area.
5. Perm City; environs of Perm City; Verkhnyaya Kurya village; Dolgoe Lake and right bank of Kama River — Perm Area, Perm Distr.
6. Kachka village — Perm Area, Perm Distr.
7. Iryak village — Perm Area, Osinsk Distr.
8. Spasskaya Gora — a protected landscape in Kungur Distr., Perm Area.
9. "Preduralie" Reserve — Perm Area, Kishert Distr.
10. Sarashi village — Perm Area, Barda Distr.
11. Visim Reserve and Belya Mountain of the Veselye Gorki Range — Ekaterinburg Area, Prigorodny Distr.
- South Urals:**
12. Ilmenskii Reserve — Chelyabinsk Area, near Town Miass.
13. Nurgush Range, Tygynskoe Bog and Iremel Mountain — at the border between the Satka District of the Chelyabinsk Area and the Beloretsk District of Bashkiria.
14. Syrtlanovo village — Bashkiria, Meleuz Distr.
15. Shulgan-Tash Reserve — Bashkiria, Burzian Distr.
16. Bashkirian Reserve — Bashkiria, Burzian Distr.
17. Kananikolskoe village — Bashkiria, Zilair Distr.
18. Bekeshevo village — Bashkiria, Baimak Distr.
19. Troitskii Reserve — Chelyabinsk Area, Troitsk Distr.

In the text, each locality is followed by the respective number put in square brackets ([ ]) and referring to the number in the list as well as in Fig. 1.

The following previous misidentifications of Ural spiders should be corrected, based on a restudy of pertinent material.

1. The record of *Araniella cucurbitina* (Clerck, 1758) by Esyunin [1992a] should be referred to *A. proxima* (Kulczynski, 1885).
2. The record of *Hypsosinga pygmaea* (Sundevall, 1831) by Esyunin [1991] should be referred to *H. sanguinea* (C. L. Koch, 1845).
3. The record of *Euryopis laeta* (Westring, 1861) by Azheganova [1951, 1968] should be referred to *E. sauvea* Levi, 1951.
4. The record of *Theridion bellicosum* (Simon, 1873) by Pakhorukov & Efimik [1988] should be referred to *T. nigrovariegatum* Simon, 1873.
5. The record of *Theridion sisypium* (Clerck, 1757) by Pakhorukov & Efimik [1988] should be referred to *T. innocuum* Thorell, 1875.
6. The record of *Pardosa vittata* (Keyserling, 1863) by Esyunin & Pakhorukov [1992] and Esyunin et al., [1993] is erroneous and is to be applied to a new species similar to *P. sordidata* (Thorell, 1875) and *P. maisa* Hippa & Mannila, 1982.
7. The record of *Trochosa spinipalpis* (O. P.-Cambridge, 1895) by Esyunin & Pakhorukov [1992] should be referred to *T. robusta* (Simon, 1876).
8. The record of *Dictyna pusilla* Thorell, 1856 by Azheganova [1951, 1968] should be referred to *Emblyna annulipes* (Blackwall, 1846).
9. The record of *Titanoeeca flavigoma* L. Koch, 1872 by Esyunin et al. [1993] should be referred to *T.*

*quadriguttata* (Hahn, 1831).

10. The record of *Titanoeeca obscura* (Walckenaer, 1802) by Pakhorukov & Efimik [1988] should be referred to *T. praefica* (Simon, 1870).

11. The record of *Gnaphosa lucifuga* (Walckenaer, 1802) by Esyunin & Pakhorukov [1992] should be referred to *G. cumensis* Ponomarev, 1981.

12. The record of *Micaria formicaria* (Sundevall, 1831) by Esyunin et al. [1993] should be referred to *M. fulgens* (Walckenaer, 1802).

13. The record of *Zelotes clivicola* (L. Koch, 1866) by Pakhorukov & Efimik [1988] should be referred to *Z. puritanus* Chamberlin, 1922.

14. Ghirfanova et al. [1992] listed a species *Philodromus corticinus* Cl. Such a species name does not exist and seems to refer in fact to *P. corticinus* Simon, 1932.

15. The record of *Xysticus soderbomi* Schenkel, 1936 by Pakhorukov & Utotchkina [1977] should be referred to *X. ukrainicus* Utotchkina, 1968.

16. The record of *Euophrys petrensis* C. L. Koch, 1837 by Esyunin & Polyanin [1990] should be referred to *Chalcoscirtus alpicola* (L. Koch, 1876).

17. The record of *Attulus helveolus* Simon, 1871 by Pakhorukov & Efimik [1988] should be referred to *Sitticus dzieduszyckii* (L. Koch, 1870).

18. The record of *Xysticus sabulosus* (Hahn, 1831) by Esyunin & Pakhorukov [1992] should be referred to *X. ninni* Thorell, 1872.

## Check-list of Ural spiders

### PHOLCIDAE

#### *Pholcus alticeps* Spassky, 1932

MATERIAL: Middle Urals: 1m, 1f, Perm City [5], in house, IX-X.1992, leg. SE.

REMARKS: New to the Urals. *P. alticeps* was originally described from the Rostov-on-Don Area of Russia [Spassky, 1932], and later it was recorded from the Rostov and Samara areas of Russia [Tyshchenko, 1971; Krasnobaev & Matveyev, 1993], the Caucasus [Dunin, 1989] and Tadzhikistan [Andreyeva, 1975].

### MIMETIDAE

#### *Ero cambridgei* Kulczynski, 1911

MATERIAL: Middle Urals: 1m, 1f, Preduralie [9], forest of *Picea* with green mosses, 11.VI.1983, leg. Shestakova & Khabibulina.

CATALOGUE: North Urals: Komi Republic [Pakhorukov & Utotchkina, 1977], Ekaterinburg Area [Pakhorukov, 1977]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Esyunin & Pakhorukov, 1992].

### ERESIDAE

#### *Eresus niger* (Petagna, 1787)

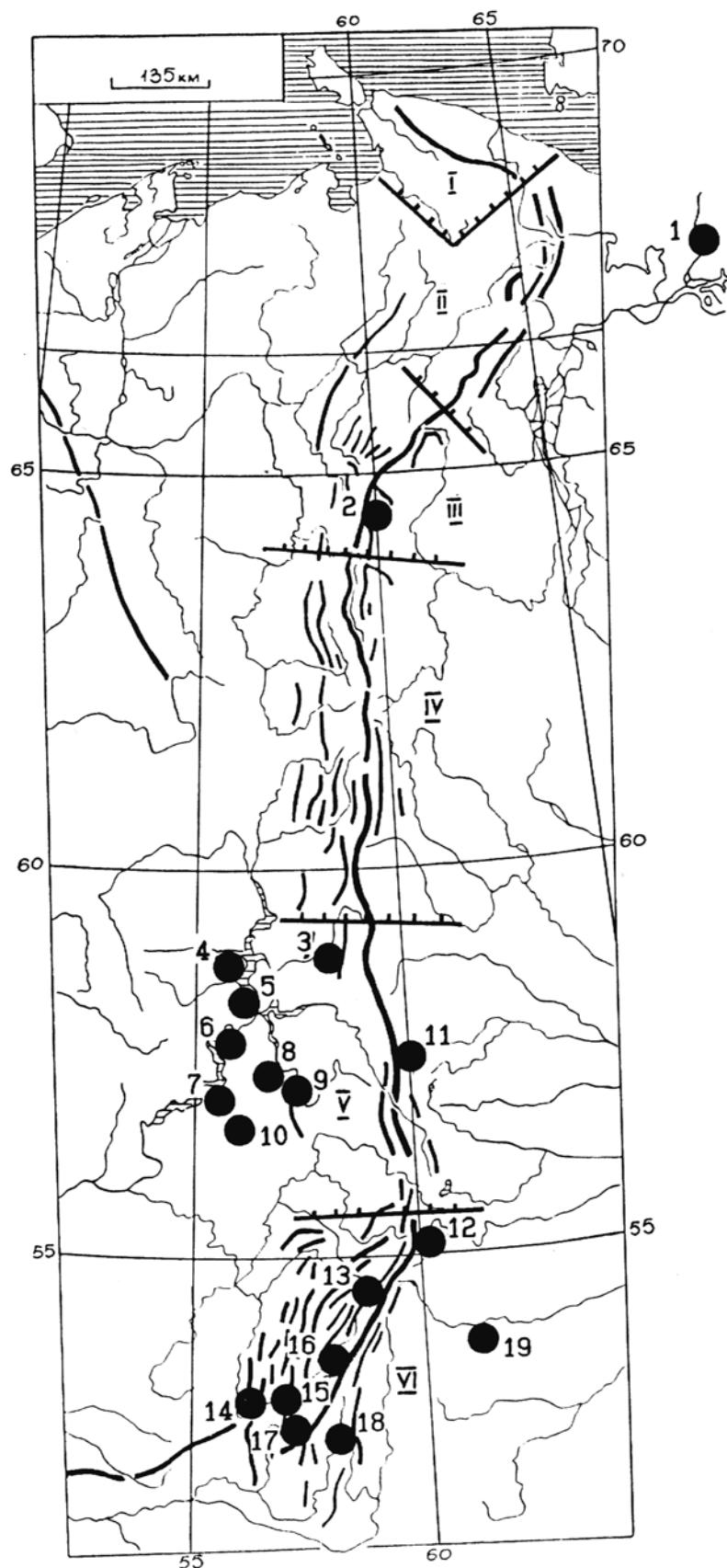
MATERIAL: Middle Urals: 1m, Preduralie [9], Mezhevoi Rock, pitfall traps, 18.VIII-8.IX.1993, leg. VOK.

CATALOGUE: Middle Urals: Perm Area [Kharkitonov & Bereznaya, 1970; Esyunin & Kozminykh, 1992].

South Urals: Orenburg Area [Kharkitonov, 1927, 1932;

Fig. 1. Spider encounters (see explanations in text) and the geographical regioning of the Urals. Regions: I — Pay-Khoy; II — Polar Urals; III — Cispolar Urals; IV — North Urals; V — Middle Urals; VI — South Urals [Chikishev, 1966].

Рис. 1. Места находок пауков (пояснения в тексте) и географическое районирование Урала. Районы: I — Пай-Хой; II — Полярный Урал; III — Приполярный Урал; IV — Северный Урал; V — Средний Урал; VI — Южный Урал [Чикишев, 1966].



Kuznetsov, 1988], Bashkiria [Pakhorukov & Efimik, 1988] and Chelyabinsk Area [Azheganova, 1951, 1968; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

**REMARKS:** The records of this species in the Middle Urals [Kharitonov & Berezneva, 1970] was questioned [Nenilin & Pestova, 1986; Esyunin & Kozminykh, 1992], but the above material substantiates the region concerned represents the northernmost outpost of the species' range.

### NESTICIDAE

#### *Nesticus cellulanus* (Clerck, 1758)

MATERIAL: Middle Urals: 1m, 1f, 1subm, Preduralie [9], limestone denudation, 23.VI.1985, leg. Skorokhodova.

**REMARKS:** New to the Urals. This is the easternmost record of this European species.

### THERIDIIDAE

#### *Achaearanea lunata* (Clerck, 1758)

MATERIAL: South Urals: 3f, Troitsk [19], *Betula* park forest, trunk, 2.VII.1993, leg. SE.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988; *Theridium*; Ghirfanova et al., 1992].

#### *Achaearanea ohlerti* (Thorell, 1870)

MATERIAL: Middle Urals: 2m, 1f, Visim [11], meadow, 1.VII.1993, leg. Lokteeva.

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1980; *Theridium*], Ekaterinburg Area [Pakhorukov, 1977; *T.*]; Middle Urals: Perm Area [Azheganova & Glukhov, 1981; *T.*], montane region [Esyunin, 1991; *T.*]; South Urals: Bashkiria [Pakhorukov & Efimik, 1988; *T.*], montane region [Esyunin & Polyanin, 1990; *T.*], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; *T.*; Polyanin & Pakhorukov, 1988; *T.*].

#### *Achaearanea riparia* (Blackwall, 1834)

MATERIAL: Middle Urals: 1m, 4f, Spasskaya Gora [8], limestone denudation, 6-20.VI.1987; 1f, same locality, broadleaved forest, 17.VI.1989, leg. VOK; 8m, 2f, Preduralie [9], limestone denudation, 14.VII.1985, leg. Skorokhodova; 1m, 1f, same locality, coniferous and birch forests, sweeping, 17.VI-12.VII.1989, leg. TIGr.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988; *Theridium*; Ghirfanova et al., 1992], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; *T. saxatilis*; Polyanin & Pakhorukov, 1988; *T.*; Esyunin & Pakhorukov, 1992].

#### *Crustulina sticta* (O. P.-Cambridge, 1861)

MATERIAL: Middle Urals: 1f, Spasskaya Gora [8], forest of *Betula*, 20.VI.1990, leg. VOK. South Urals: 1m, 2f, Iremel Mt. [13], talus (Siberian term "kurumy"), 30.VIII.1990, leg. ABP.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991]. South Urals: Chelyabinsk Area [Azheganova, 1951; *C. guttata*; Esyunin & Pakhorukov, 1992].

#### *Dipoena prona* (Menge, 1868)

MATERIAL: Middle Urals: 1m, V. Kurya [5], sandy plots, 3-19.V.1991, leg. VOK; 1m, 1f, same locality and habitat, 4-30.V.1993, leg. SE, VE & VOK; 1m, Lake Dolgoe [5], gravelly bank, 4.VI.1993, leg. VOK.

**REMARKS:** New to Russia. This species has hitherto been known only from Europe, with the eastern border of the range previously believed to cross Latvia [Sternbergs, 1985], Estonia [Vilbaste, 1987] and Moldavia [Polozhentsev & Akimtseva, 1980].

#### *Dipoena torva* (Thorell, 1875)

MATERIAL: Middle Urals: 2f, Preduralie [9], 1982, leg. ?

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Polyanin & Lagunov, 1992].

#### *Enoplognatha ovata* (Clerck, 1758)

MATERIAL: Middle Urals: 3f, Perm City [5], recreation park, shrub and herbage, 18.VIII-27.IX.1986, leg. SE; 1m, 4f, V. Kurya [5], garden, 20.VI-11.VII.1993, leg. VOK; 1m, 3f, Spasskaya Gora [8], birch forest, sweeping, 20.VI.1987, leg. SE; 3f, Berezovka village [near 8], pine (*Pinus*) forest, 7.VII.1991, leg. SE; 2m, 5f, Preduralie [9], lime (*Tilia*) and birch forests, sweeping, 27.VI-8.VII.1987-1990, leg. TIGr; 2f, Sarashi [10], oak-wood, herbage, 26.VI.1991, leg. SE.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988; *Theridium*; Ghirfanova et al., 1992; *T.*; Esyunin et al., 1993], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; *T.*; Polyanin & Pakhorukov, 1988; *T.*; Esyunin & Pakhorukov, 1992; Polyanin & Lagunov, 1992; Esyunin et al., 1993].

#### *Episinus angulatus* (Blackwall, 1836)

MATERIAL: South Urals: 1f, Syrtlanovo [14], poplar (*Populus*) forest, 5.VII.1986, leg. VE.

**REMARKS:** New to the Urals. In Russia it has hitherto been found only in the Samara Area [Krasnobaev & Matveyev, 1993].

#### *Euryopis laeta* (Westring, 1861)

MATERIAL: South Urals: 1f, Syrtlanovo [14], pea (*Caragana*) shrub steppe, 7.VII.1990, leg. VE.

CATALOGUE: South Urals: Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988].

#### *Euryopis saukea* Levi, 1951

Fig. 11.

*Euryopis laeta* (non Westring): Azheganova, 1968, p. 50, fig. 103 (m).

MATERIAL: South Urals: 1m, Troitsk [19], steppe, date?, leg. & det. Azheganova (as *E. lactea*).

**REMARKS:** New to the Urals. The records of *E. laeta* in the Troitskii Reserve by Azheganova [1951, 1968] and of an *Euryopis* sp.1 [Esyunin & Pakhorukov, 1992] actually refer to *E. saukea*. This species has been reported from the Magadan Area [Marusik, 1988] of Russia, also known from Middle Europe [Heimer & Nentwig, 1991], Estonia [Vilbaste, 1987], the Ukraine [Poltchaninova, 1992] and North America [Levi, 1951, 1954].

#### *Lasaeola tristis* (Hahn, 1831)

MATERIAL: Middle Urals: 1m, 1f, environs of Perm [5], meadow of *Calanagrostis* etc., 17-28.V.1987, leg. SE; 1m, Preduralie [9], meadow in forest, sweeping, 11.VI.1989, leg. TIGr.

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1979; *Dipoena*], Perm Area [Kharitonov, 1923; D., 1932; D.; Azheganova & Glukhov, 1981; D.], Ekaterinburg Area [Pakhorukov, 1977; D.].

#### *Neottiura suaveolens* (Simon, 1879)

Figs 4-6.

MATERIAL: South Urals: 2f, Syrtlanovo [14], feather grass (*Stipa*) steppe, 11.VII-21.VIII.1990, leg. VE; 5f, Shulgan-Tash [15], pea shrub (*Caragana*) and upland steppes, meadow, 14.VI-2.VIII.1985, 1989; 3f with cocoons, same locality, floodland meadow, 20.VII.1986, leg. VE.

**REMARKS:** New to Russia. These are the easternmost records of this species hitherto known from Europe only [Bonnet, 1959; Deltshev, 1992].

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

MATERIAL: Middle Urals: 14m, 4f, Lake Dolgoe [5], meadow bog, pitfall traps, 1.V-28.VI.1992, leg. VOK; 1f, V. Kurya [5], willowweed (*Chaemaenium angustifolium*) pine forest, sweeping, 30.V.1993, leg. VE & VOK; 1m, Spasskaya Gora [8], date and leg. ?; 1m, Preduralie [9], Ermak Rock, herbage, 5.VII.?, leg. ?; 3m, 7f, Visim [11], multiherbaceous meadow, litter, 21.VII-9.IX.1992, leg. NLU.

CATALOGUE: Polar Urals: Shchuchya River [Eskov, 1986, 1988]. North Urals: Komi Republic [Pakhorukov, 1979; Eskov, 1987]. Middle Urals: montane region [Esyunin, 1991, 1992c]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988], montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Azheganova, 1951; *Ctenium*, 1968; Esyunin & Pakhorukov, 1992].

*Robertus lividus* (Blackwall, 1836)

MATERIAL: Cispolar Urals: 3m, Neroika Mt. [2], montane meadow on W slope, pitfall traps, 15.V-7.VIII.1989, leg. YIK & AYM; 1m, same locality, valley of Shchekurya River, meadow, 7.VIII.1988, leg. YIK. Middle Urals: 3f, Visim [11], coniferous (*Picea+Abies*) forest, 8-11.VIII.1991, leg. NLU.

CATALOGUE: Polar Urals: Sob River [Tanasevitch, 1985, 1988]. North Urals: Perm Area [Kharitonov, 1923; *Ctenium*], Ekaterinburg Area [Pakhorukov, 1977, 1984]. Middle Urals: Perm Area [Chetyrkina, 1926; C.; Kharitonov, 1927; C.; Kharitonov & Berezneva, 1970; Azheganova et al., 1976; Azheganova & Glukhov, 1981; Gridina, 1990, 1992; Esyunin et al., 1993], montane region [Esyunin, 1991; Gridina, 1992]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988; Esyunin et al., 1993], montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992; Esyunin et al., 1993].

*Robertus neglectus* (O. P.-Cambridge, 1871)

MATERIAL: Middle Urals: 1f, V. Kurya [5], sandy plots, pitfall traps, 1.X.1989, leg. VOK. South Urals: 1m, Shulgan-Tash [15], floodland meadow, 20.VII.1986, leg. VE; 1f, Bashkirian [16], dry meadow, 30.VI.1988, leg. VE.

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1979].

*Rugathodes bellicosus* (Simon, 1873)

Figs 2, 3.

MATERIAL: South Urals: 1f, Iremel Mt. [13], talus (Siberian term "kurumy"), 29.VIII.1993, leg. VE.

REMARKS: New to the Urals. This species possesses a trans-European range. It has been earlier recorded from the Moscow [Kharitonov, 1932], Vologda [Alekseyev, 1986] and Ryazan areas [Esyunin et al., 1986] of Russia. The record of *T. bellicosum* in Bashkiria [Pakhorukov & Efimik, 1988] is referred in fact to *T. nigrovariegatum* Simon, 1873.

*Rugathodes instabile* (O. P.-Cambridge, 1871)

MATERIAL: Middle Urals: 1m, Kachka [6], agricultural meadow, sweeping, 28.VI.1986, leg. Batalin; 1f, Preduralie [9], birch forest, sweeping, 8.VII.1987, leg. TIGr; 1m, 4f, Visim [11], meadow, birch-forest, sweeping, 26.VI-8.VII.1993, leg. Lokteyeva.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988; *Theridion*].

*Steatoda castanea* Clerck, 1758

MATERIAL: Middle Urals: 1m, Perm City [5], in house, 24.V.1986, leg. SE.

CATALOGUE: South Urals: Orenburg Area [Khari-

tonov, 1927; *Teutana*, 1932: T.], Bashkiria [Ghirfanova et al., 1992], Chelyabinsk Area [Esyunin & Pakhorukov, 1992].

*Steatoda phalerata* (Panzer, 1801)

MATERIAL: South Urals: 1m, 1f, Syrtlanovo [14], steppe meadow, 8.VII-11.VIII.1990, leg. VE; 1m, Shulgan-Tash [15], pea shrub (*Caragana*) steppe, 24.VI.1989, leg. VE; 3f, Bekeshevo [18], steppe meadow and *Betula* park forest, 29-30.VI.1987, leg. VE.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977; *Asagena*]. Middle Urals: Perm Area [Azheganova & Glukhov, 1981: A.], Ekaterinburg Area [Kharitonov, 1923: A., 1932: A.]. South Urals: Chelyabinsk Area [Azheganova, 1951: A.; Utotchkina & Golovashkina, 1977: A.; Pakhorukov & Polyanin, 1987: A.; Polyanin & Pakhorukov, 1988: A.]; Esyunin & Pakhorukov, 1992].

*Theridion innocuum* Thorell, 1875

MATERIAL: Middle Urals: 3f, Spasskaya Gora [8], S slope, sweeping, 30.VI.1987, leg. SE. South Urals: 2m, 8f, Syrtlanovo [14], *Betula* park forest, steppe meadow and steppe, 23.VI-20.VIII.1990, leg. VE; 1f, Shulgan-Tash [15], old felling plot, 13.VII.1986, leg. VE; 2f, Bashkirian [16], montane steppe, 12.VI-21.VII.1988, leg. VE.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988: *T. sisypium*], Chelyabinsk Area [Azheganova, 1951, 1968; Utotchkina & Golovashkina, 1977; Pakhorukov, 1985; Esyunin & Pakhorukov, 1992].

*Theridion montanum* Emerton, 1882

MATERIAL: Middle Urals: 3m, 2f, Preduralie [9], pine forest, 3-24.VI.1987-1989, leg. TIGr; 2m, 8f, same locality, spruce forest, canopy, 30.VI.1983, leg. Shestakova & Khabibulina; 2m, 3f, Visim [11], 1989, leg. NLU.

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1979], Ekaterinburg Area [Pakhorukov, 1977]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988].

*Theridion neglectum* Wiehle, 1952

MATERIAL: Middle Urals: 1m, Perm [5], indoors, 16.V.1994, leg. SE. South Urals: 2f, Troitsk [19], multiherbaceous birch forest, trunks, 29.VI.1993, leg. SE.

REMARKS: New to the Urals. This species has been earlier recorded from the Voronezh and Kursk areas [Pichka, 1965], as well as in the Tula, Kaluga and Voronezh areas [Esyunin et al., 1993] of Russia. The above material represents the easternmost locality of the range of this European species.

*Theridion palmgreni* Marusik et Tsellarius, 1986

MATERIAL: Middle Urals: 3m, 9f, Preduralie [9], birch, pine and mixed forests, sweeping, 7-12.VI.1987-1988, leg. TIGr. 4f, Visim [11], birch and spruce forests, 16-17.VIII.1994, leg. SE. South Urals: 1m, Shulgan-Tash [15], 2.VI.1985, leg. VE.

CATALOGUE: South Urals: Chelyabinsk Area [Polyanin & Pakhorukov, 1988].

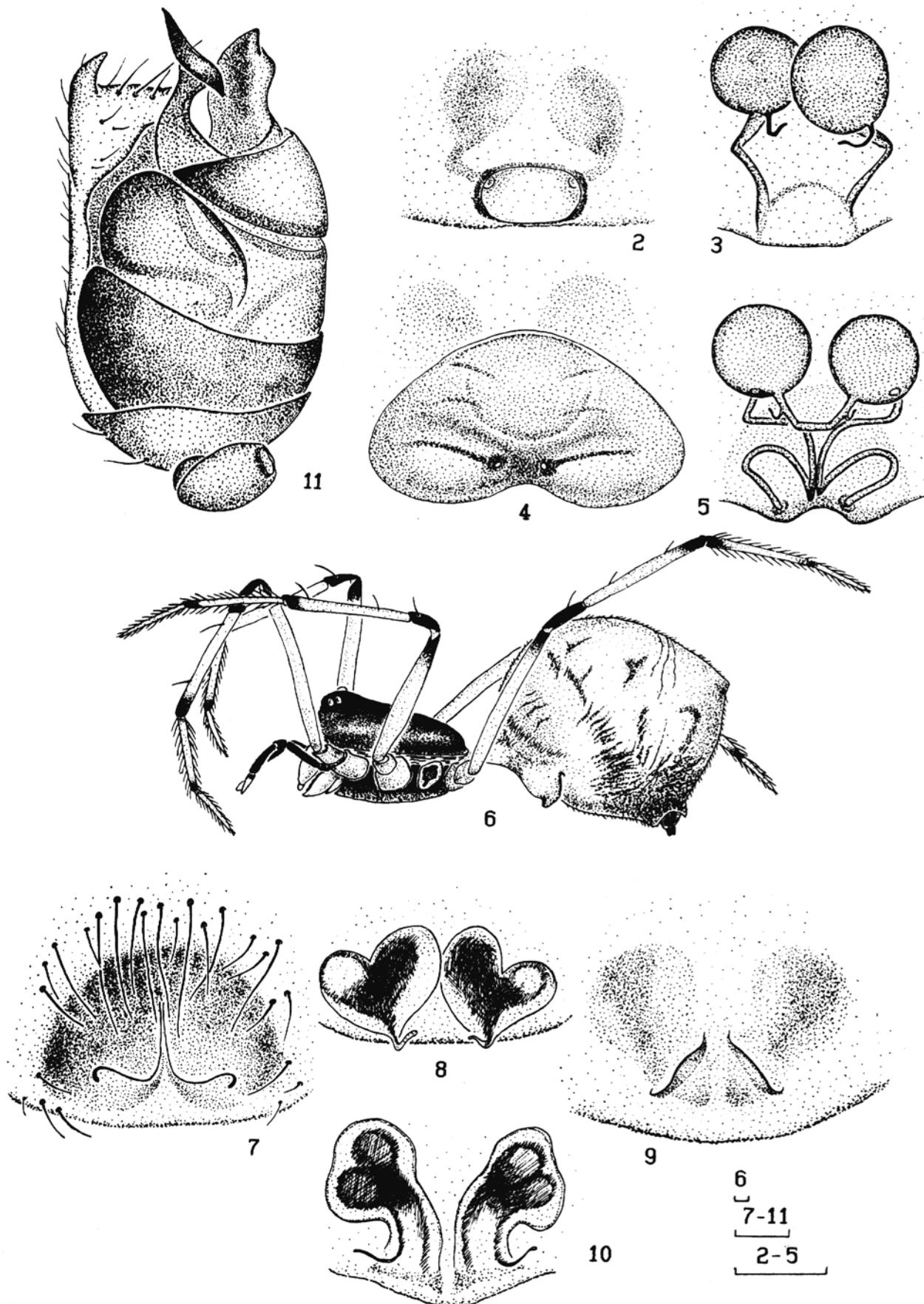
*Theridion pinastri* L. Koch, 1872

MATERIAL: South Urals: 1m, Syrtlanovo [14], steppe meadow, 2.VII.1990, leg. VE.

REMARKS: New to the Urals. An earlier record of this species in the Chelyabinsk Area [Pakhorukov, 1985] is erroneous [Esyunin & Pakhorukov, 1992]. This form displays a trans-European distribution pattern [Bonnet, 1952].

*Theridion sibiricus* Marusik, 1988

MATERIAL: South Urals: 1f, Malyi Iremel Mt. [13],



rocky debris, 29.VIII.1993, leg. VE; 1m, 8f, Shulgan-Tash [15], montane steppe, under stones, 12.VI-31.VII.1986, leg. VE; 8f, Kananikolskoe [17], rock, stony slope, under stones, 16-20.VIII.1987, leg. VE.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991].

#### *Theridion tinctum* (Walckenaer, 1802)

MATERIAL: Middle Urals: 1f, Preduralie [9], Ermak rock, herbage, 5.VII.?, leg. ?

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988].

#### *Thymoites bellissimum* (L. Koch, 1879)

MATERIAL: Middle Urals: 6m, 12f, Preduralie [9], forest of *Picea* with green mosses, sweeping, 15.VI.1983, leg. ?

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1979: *Theridium*], Ekaterinburg Area [Pakhorukov, 1977: T.]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988: T.].

### THERIDIOSOMATIDAE

#### *Theridiosoma gemmosum* (L. Koch, 1878)

MATERIAL: South Urals: 1m, Troitsk [19], *Betula* park forest, 18.VI.1975, leg. ?

REMARKS: Recorded from the same locality [Esyunin & Pakhorukov, 1992], but without reference to material. This species has hitherto been known in Russia only from the northern part of the Caucasus Major [Minoranskiy et al., 1984].

### TETRAGNATHIDAE

#### *Tetragnatha dearmata* Thorell, 1873

MATERIAL: Middle Urals: 4m, 1f, Preduralie [9], botanical gardens, bushes, 8.VI.1988, leg. SE.

CATALOGUE: Middle Urals: Ekaterinburg Area [Shlykov, 1975]. South Urals: Bashkiria [Ghirfanova et al., 1992], Chelyabinsk Area [Utotchkin & Golovashkina, 1977: *Eugnatha striata*; Esyunin & Pakhorukov, 1992].

#### *Tetragnatha pinicola* (L. Koch, 1870)

MATERIAL: Cispolar Urals: 3f, Neroika Mt. [2], 650 m alt., montane meadow, herbaceous vegetation, 4-5.VIII.1990, leg. AYM. Middle Urals: 1f, Visim [11], multiherbaceous meadow, 9.IX.1992, leg. NLU.

CATALOGUE: North Urals: Komi Republic [Vasilevitch & Pakhorukov, 1975; Utotchkin & Pakhorukov, 1976; Pakhorukov, 1977, 1980], Perm Area [Kharitonov, 1926c, 1932], Ekaterinburg Area [Kharitonov, 1936b]. Middle Urals: Perm Area [Kharitonov, 1925, 1931; Kharitonov & Berezneva, 1970; Azheganova & Glukhov, 1981], montane region [Esyunin, 1991]. South Urals: Orenburg Area [Kuznetsov, 1988], Bashkiria [Pakhorukov & Efimik, 1988; Esyunin et al., 1993], montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Azheganova, 1951; Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992; Polyanin & Lagunov, 1992].

### METIDAE

#### *Metellina merianae* (Scopoli, 1763)

MATERIAL: Middle Urals: 1m, Spasskaya Gora [8], S slope, 24.VI.1988, VOK. South Urals: 1m, 1f, Syrtlanovo [14], rock, 16.VIII.1990, VE.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991].

### ARANEIDAE

#### *Araneus quadratus* Clerck, 1758

MATERIAL: Polar Urals: 1m, Khadyta-Yakha River [1], dwarf *Betula* stand, sweeping, 29.VII.1981, leg. SE. Cispolar Urals: 1f, Neroika Mt. [2], dwarf *Betula* stand, sweeping, 5.VIII.1989, leg. AYM.

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1980], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Perm Area [Kharitonov & Berezneva, 1970; Azheganova & Glukhov, 1981], montane region [Esyunin, 1991, 1992a], Ekaterinburg Area [Kharitonov, 1923, 1932; Shlykov, 1975]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], Chelyabinsk Area [Azheganova, 1951; Utotchkin & Golovashkina, 1977; Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992; Polyanin & Lagunov, 1992].

#### *Araniella displicata* (Hentz, 1847)

MATERIAL: Middle Urals: 2m, Baseghi Range [3], elfin woodland of *Betula*, canopy, 1.VII.1984, leg. SE; 1f, same locality, montane taiga of *Picea*+*Abies*, 4.VII.1991, leg. SE; 2m, 2f, Preduralie [9], 19.VI.1983, leg. Skorokhodova; 1f, same locality, birch forest, sweeping, 8.VI.1987, leg. TIGr.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977: *Araneus*]. South Urals: Bashkiria [Ghirfanova et al., 1992: *Araneus cucurbitinus displicatus*].

#### *Araniella proxima* (Kulczynski, 1885)

MATERIAL: South Urals: 1m, Nurgush Range [13], 28.VI.1987, leg. AYM.

CATALOGUE: Middle Urals: Perm Area [Kharitonov, 1925: *Araneus alpica*, 1932: *Ar-s*; Azheganova, 1968: *Ar-s*; Kharitonov & Berezneva, 1970: *Ar-s*; Azheganova & Glukhov, 1981: *Ar-s*], montane region [Esyunin, 1992: *A. cucurbitinus*, 1991], Ekaterinburg Area [Kharitonov, 1923: *Ar-s alpica*; Tyshchenko, 1971: *Ar-s*]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988: *Ar-s*], Chelyabinsk Area [Azheganova, 1951, 1968: *Ar-s*; Pakhorukov & Polyanin, 1987: *Ar-s*; Esyunin & Pakhorukov, 1992].

#### *Argiope lobata* (Pallas, 1772)

MATERIAL: South Urals: 1juv, Syrtlanovo [14], *Caragana* steppe, 6.VII.1990, leg. VE; 1f, same locality, meadow steppe, 12.VIII.1991, leg. VE; 1subf, Chelyabinsk Area, Bredy Distr., slope steppe, 6.VIII.1989, leg. Lagunov.

REMARKS: This is the second record of this species in the Urals, the first one belonging to the Orenburg Area, southern Urals [Vorontsovskiy, 1931; Kharitonov, 1936]. The above is currently the northernmost

Figs 2-11. Genitalia of *Rugathodes bellicosus* (Simon, 1873) (2-3), *Neottiura suaveolens* (Simon, 1879) (4-6), *Titanoeca praefica* (Simon, 1870) (7-8), *T.sibirica* L. Koch, 1879 (9-10) and *Euryopis sauvea* Levi, 1951 (11): 2, 4, 7, 9 — epigyne; 3, 5, 8, 10 — vulva; 6 — ♀, general aspect; 11 — ♂ palp, ventral. Scales 0.1 mm.

Рис. 2-11. Гениталии *Rugathodes bellicosus* (Simon, 1873) (2-3), *Neottiura suaveolens* (Simon, 1879) (4-6), *Titanoeca praefica* (Simon, 1870) (7-8), *T.sibirica* L. Koch, 1879 (9-10) и *Euryopis sauvea* Levi, 1951 (11): 2, 4, 7, 9 — эпигина; 3, 5, 8, 10 — вульва; 6 — ♀, общий вид; 11 — пальпа ♂, вид снизу. Масштаб 0,1 мм.

locality of this paleotropical species [Ponomarev & Minoranskiy, 1984].

*Hypsosinga sanguinea* (C. L. Koch, 1845)

MATERIAL: Middle Urals: 1f, Baseghi Range [3], montane *Vaccinium* tundra, 27.VII.1990, leg. SE.

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1980: *Singa*]. Middle Urals: Perm Area [Kharitonov, 1925: *Araneus*, 1931, 1932; Azheganova, 1968; Tyshchenko, 1971; Azheganova & Glukhov, 1981], montane region [Esyunin, 1991: *H. pygmaea*]. South Urals: Orenburg Area [Kuznetsov & Koblova, 1977], Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], Chelyabinsk Area [Azheganova, 1951; Utotchkin & Golovashkina, 1977; Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992; Polyanin & Lagunov, 1992].

## LYCOSIDAE

*Alopecosa accentuata* (Latirelle, 1817)

MATERIAL: Middle Urals: 1m, 4f, environs of Perm City [5], meadow of *Calamagrostis* etc., 2-9.V.1989, leg. SE; 1m, 4f, Spasskaya Gora [8], limestone denudation, 30.IV-15.V.1988, leg. VOK; 5m, 3f, same locality, steppe, 27.V-25.VII.1987, leg. VOK; 2m, same locality, forest of *Tilia* and *Betula*, 30.VI.1989, leg. SE.

CATALOGUE: Middle Urals: Ekaterinburg Area [Shlykov, 1975]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

*Alopecosa fabrilis* (Clerck, 1758)

MATERIAL: Middle Urals: 10m, V. Kurya [5], sandy plots, 11.VII-1.X.1989-1990, leg. VOK; 4f, same locality and habitat, 3.V-11.VII.1990-1991, VOK. South Urals: 2m, 2f, Shulgan-Tash [15], montane steppe, 2-11.IX.1989, VE.

CATALOGUE: South Urals: Chelyabinsk Area [Polyanin & Pakhorukov, 1988].

*Alopecosa pinetorum* (Thorell, 1856)

MATERIAL: Middle Urals: 1f, Visim [11], 1989, NLU. South Urals: 1m, 2f, Ilmenskii [12], pine forest with adder-spit (*Pteridium*), 22.VIII.1985, leg. ABP.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Perm Area [Kharitonov & Berezneva, 1970; Azheganova & Glukhov, 1981], montane region [Esyunin, 1991]. South Urals: montane region [Esyunin & Polyanin, 1990].

*Alopecosa solitaria* (Herman, 1876)

MATERIAL: South Urals: 1f, Bashkirian [16], montane steppe, pitfall traps, 6-15.VIII.1988, leg. VE.

REMARKS: New to the Urals. This European species ranges throughout the steppe zone up to East Kazakhstan [Savelyeva, 1970] and South Siberia in the east [Lobanova, 1981, 1984, 1985].

*Alopecosa sulzeri* (Pavesi, 1873)

MATERIAL: Middle Urals: 6m, environs of Perm City [5], meadow of *Calamagrostis* etc., pitfall traps, 7.VII.1987, leg. SE; 8m, 11f, Spasskaya Gora [8], *Tilia*-*Betula* forest, pitfall traps, 27.V-25.VII.1988, leg. VOK. South Urals: 1f, Ilmenskii [12], aspen (*Populus tremula*) forest with adder-spit (*Pteridium*), 15.VII.1985, leg. ABP.

CATALOGUE: Middle Urals: Sarashi [10][Esyunin et al., 1993]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Esyunin & Pakhorukov, 1992].

*Alopecosa taeniopus* (Kulczynski, 1895)

MATERIAL: Middle Urals: 1f, Belya Mt. [11], VI.1988,

leg. YIK. South Urals: 1m, 3f, Syrtlanovo [14], pea shrub (*Caragana*) and feather grass (*Stipa*) steppes, 18-20.VIII.1990, leg. VE; 3m, 2f, Shulgan-Tash [15], stony and pea shrub (*Caragana*) steppes, 14.VI-11.IX.1989, leg. VE; 1f, Troitsk [19], steppe of *Stipa* and another herbs, 15.VII.1993, leg. SE.

REMARKS: New to the Urals. This species ranges from East Europe, the Crimea, the Caucasus, and Turkey in the west up to Kazakhstan and West Siberia in the east, being attributed to steppe elements [Ponomarev, 1989; Lobanova, 1981].

*Arctosa figurata* (Simon, 1876)

MATERIAL: Middle Urals: 2m, environs of Perm City [5], cherry (*Cerasus*) shrub on S slope, pitfall traps, 7.VII.1980, leg. SE; 3m, 1f, Spasskaya Gora [8], *Tilia*+*Betula* forest and steppe, pitfall traps, 17.VI-25.VII.1989, leg. VOK. South Urals: 1f, Bolshoy Iremel Mt. [13], bog, 30.VIII.1990, leg. ABP.

CATALOGUE: Middle Urals: Sarashi [10][Esyunin et al., 1993]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988].

*Arctosa maculata* (Hahn, 1822)

MATERIAL: South Urals: 1m, Syrtlanovo [14], riverside, shingle, 18.VI.1990, leg. VE.

REMARKS: New to the Urals. The only record of this taxon in the North Urals [Utotchkin & Pakhorukov, 1976] is erroneous [Pakhorukov, 1980], while the South Urals seem to be the easternmost limit in the range of this midsouthern European species.

*Pardosa amentata* (Clerck, 1758)

MATERIAL: Cispolar Urals: 1f, Neroika Mt. [2], 700 m alt., alpine meadow, 30.VI-6.VII.1990, leg. YIK & AYM; 20m, 2f, same locality, Shchekuriya River valley, floodland meadow, pitfall traps, 25.VI-22.VIII.1989, leg. YIK & AYM.

CATALOGUE: North Urals: Komi Republic [Utotchkin & Pakhorukov, 1976; Pakhorukov, 1980], Perm Area [Kharitonov, 1926b: *Lycosa saccata*], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Perm Area [Kharitonov, 1926a: *L. s.*, 1927: *L.*, 1931, 1932; Chetyrkina, 1926: *L. s.*; Kharitonov & Berezneva, 1970; Azheganova, 1971a, b; Azheganova et al., 1976; Azheganova & Glukhov, 1981], montane region [Esyunin, 1990, 1991, 1992c; Gridina, 1992], Ekaterinburg Area [Kharitonov, 1923: *L. s.*]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Esyunin & Pakhorukov, 1992].

*Pardosa eiseni* (Thorell, 1872)

MATERIAL: Cispolar Urals: 1f, Saleper Range [2], lichen tundra, 1.VIII.1988, leg. YIK & AYM. South Urals: 1m, Shulgan-Tash [15], mixed forest, 8.VII.1985, leg. VE.

CATALOGUE: Polar Urals: Shchuchya River [Eskov, 1988; Esyunin & Korobeinikov, 1990], Sob River [Tanasevitch, 1985]. South Urals: montane region [Esyunin & Polyanin, 1990].

*Pardosa fulvipes* (Collett, 1875)

MATERIAL: Middle Urals: 1f, Chermoz [4], 24.VIII.1986, leg. SE; 20m, 20f, Lake Dolgoe [5], meadow bog, pitfall traps, 31.V-28.VI.1992, leg. VOK; 3m, 3f, environs of Perm City [5], alder (*Alnus*) thicket with nettle (*Urtica*), 18.VI.1989, leg. SE; 7m, V. Kurya [5], sandy plots, pitfall traps, 9-17.VI.1990, leg. VOK; 1m, 1f, right bank of Kama River [5], wet meadow, pitfall traps, 6.VII-1.X.1989, leg. VOK; 3m, 1f, Kachka [6], agricultural meadow, 24.VI-8.VIII.1988, leg. Batalin; 22m, 21f,

Spasskaya Gora [8], feather grass (*Stipa*)-herbaceous steppe, pitfall traps, IV-VII.1988, leg. VOK; 5m, Preduralie [9], meadow, willowbed, pitfall traps, 11-27.VI.1989, leg. TIGR; 1f, Visim [11], multiherbaceous meadow, 9.IX.1992, leg. NLU. South Urals: 1m, 4f, Shulgan-Tash [15], dry meadow, 9.VIII.1985, leg. VE; 5f, Bashkirian [16], floodland meadow, 5.VIII.1988, leg. VE; 3f, Beke-shevo [18], steppe meadow, 30.VII.1987, leg. VE; 1m, Troitsk [19], lake bank, 24.VI.1992, leg. PD.

CATALOGUE: Middle Urals: Perm Area [Esyunin & Novokshonov, 1992], montane region [Esyunin, 1991]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988: *P. prativaga*; Ghirfanova et al., 1992], montane region [Esyunin & Polyanin, 1990].

REMARKS: *P. fulvipes* is the most usual species of the *prativaga*-group in Ural meadow habitats. Certain records of *P. prativaga* (L. Koch, 1870) in some regions of the Urals seem to be applied in reality to *P. fulvipes*.

#### *Pardosa indecora* L. Koch, 1879

MATERIAL: Cispolar Urals: 19m, 17f, Neroika Mt. [2], talus (Siberian term "kurumy"), dwarf *Betula* stand, alpine meadow, VI-VII.1989-1990, leg. YIK & AYM.

CATALOGUE: Polar Urals: Shchuchya River, Sapkei [Bakhvalov & Korshunov, 1976; Eskov, 1986], Khadyta-Yakha River [Esyunin & Korobeinikov, 1990], Sob River [Tanasevitch, 1985]. North Urals: Ekaterinburg Area [Pakhorukov, 1977].

#### *Pardosa lasciva* (L. Koch, 1879)

MATERIAL: South Urals: 1f, Nurgush Range [13], *Picea* forest with green mosses, 8.IX.1987, leg. ABP.

CATALOGUE: Polar Urals: Sob River [Tanasevitch, 1985; Eskov, 1986]. North Urals: montane region [Pakhorukov, 1977].

#### *Pardosa palustris* (Linnaeus, 1758)

MATERIAL: Cispolar Urals: 1m, Neroika Mt. [2], 950 m alt., herbaceous-mossy tundra, pitfall traps, 6-12.VII.1990, leg. YIK & AYM.

CATALOGUE: North Urals: Komi Republic [Utotchkin & Pakhorukov, 1976; Pakhorukov, 1980], Perm Area [Kharitonov, 1926b: *Lycosa tarsalis*], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Perm Area [Kharitonov, 1926a: *L. t.*, 1932; Kharitonov & Berezneva, 1970: *P. t.*; Azheganova, 1971a, b: *P. t.*; Azheganova et al., 1976: *P. t.*; Azheganova & Glukhov, 1981; Gridina, 1990], montane region [Esyunin, 1991], Ekaterinburg Area [Kharitonov, 1923: *L. t.*; Shlykov, 1975: *P. t.*]. South Urals: Orenburg Area [Kuznetsov & Koblova, 1977: *P. t.*], Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992; Polyanin & Lagunov, 1992].

#### *Pardosa riparia* (C. L. Koch, 1833)

MATERIAL: Cispolar Urals: 4m, 1f, Neroika Mt. [2], alpine meadow, 5-10.VII.1989, leg. YIK & AYM; 8m, 2f, same locality, Shchekuriya River valley, *Larix*+*Betula* forest and floodland meadow, pitfall traps, 20.VI-17.VIII.1988-1989, leg. YIK & AYM.

CATALOGUE: North Urals: Komi Republic [Utotchkin & Pakhorukov, 1976], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Perm Area [Kharitonov, 1926a: *Lycosa cursoria*, 1923; Azheganova, 1971a, b: *P. c.*; Azheganova et al., 1976: *P. c.*; Gridina, 1992], montane region [Esyunin, 1990, 1991], Ekaterinburg Area [Shlykov, 1975]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Pakhorukov &

Polyanin, 1987; Polyanin & Pakhorukov, 1988; Polyanin & Lagunov, 1992].

REMARKS: All other records of *P. riparia* in the Urals [Kharitonov, 1923, 1925; Azheganova, 1951, 1971a, b; Azheganova et al., 1976; Azheganova & Glukhov, 1981] are erroneous, being applied in reality either to *P. prativaga* (L. Koch, 1870) or to *P. fulvipes* (Collett, 1875).

#### *Pardosa septentrionalis* (Westring, 1861)

MATERIAL: Cispolar Urals: 19m, 25f, Neroika Mt. [2], stony tundra, pitfall traps, VI-VIII.1989-1990, leg. YIK & AYM; 4f, Saleper Range [2], tundra, 1.VIII.1988, leg. AYM.

CATALOGUE: Polar Urals: Shchuchya River, Sapkei [Grese, 1909: *P. rufa*; Bakhvalov & Korshunov, 1976; Eskov, 1985, 1986, 1988; Kronestedt, 1986; Esyunin & Korobeinikov, 1990], Sob River [Kulczynski, 1916; Tanasevitch, 1985; Eskov, 1988].

#### *Pirata insularis* Emerton, 1885

MATERIAL: South Urals: 29m, 4f, Tygynskoe Bog [13], *Sphagnum*, pitfall traps, 20.VI-1.IX.1993, leg. leg. AA.

CATALOGUE: North Urals: Komi Republic [Utotchkin & Pakhorukov, 1976: *P. piccolo*; Pakhorukov, 1980: *P. p.*], Ekaterinburg Area [Pakhorukov, 1977: *P. p.*]. Middle Urals: montane region [Esyunin, 1991: *P. p.*].

#### *Pirata piraticus* (Clerck, 1758)

MATERIAL: Cispolar Urals: 1m, 1f, Neroika Mt. [2], Shchekuriya River valley, 450 m alt., shore of lake, 6.VII-5.VIII.1988, leg. YIK. South Urals: 1f, Bolshoi Iremel Mt. [13], *Carex-Sphagnum* bog, 30.VII.1990, leg. ABP; 2f, Syrtlanovo [14], boggy bank of brook, 3.VIII.1991, leg. VE.

CATALOGUE: North Urals: Komi Republic [Utotchkin & Pakhorukov, 1976; Pakhorukov, 1980], Perm Area [Kharitonov, 1926b, 1932]. Middle Urals: Perm Area [Kharitonov, 1925; Azheganova, 1971a, b; Azheganova et al., 1976; Azheganova & Glukhov, 1981], montane region [Esyunin, 1991], Ekaterinburg Area [Kharitonov, 1923]. South Urals: Orenburg Area [Kharitonov, 1927], Chelyabinsk Area [Azheganova, 1951; Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

#### *Pirata uliginosus* (Thorell, 1856)

MATERIAL: Middle Urals: 1f, right bank of Kama River [5], wet meadow, pitfall traps, 6.VII-3.IX.1988, leg. VOK; 4f, Visim [11], multiherbaceous meadow, 25.VI.1993, leg. Loktevya. South Urals: 1m, 4f, Bolshoi Iremel Mt. [13], *Carex-Sphagnum* bog, 30.VII.1990, leg. ABP.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988].

#### *Tricca alpigena* (Doleschall, 1852)

MATERIAL: Cispolar Urals: 20m, 20f, Neroika Mt. [2], dwarf *Betula* stand, alpine meadow, pitfall traps, VI-VIII.1989-1990, leg. YIK & AYM. South Urals: 1m, 3f, Tygynskoe Bog [13], *Sphagnum* bog, pitfall traps, 20.VI-1.IX.1993, leg. AA.

CATALOGUE: Polar Urals [Eskov, 1988]: South Yamal [Kulczynski, 1916; Bakhvalov & Korshunov, 1976: *Arctosa*; Esyunin & Korobeinikov, 1990], Sob River [Tanasevitch, 1985]. North Urals: Komi Republic [Utotchkin & Pakhorukov, 1976: *A. lamperti*; Pakhorukov, 1980: *A. l.*].

#### *Tricca lutetiana* (Simon, 1876)

MATERIAL: Middle Urals: 12m, 2f, environs of Perm City [5], meadow of *Calamagrostis* etc., cherry (*Cerasus*) shrub on S slope, pitfall traps, 10-23.V.1987, leg. SE; 20m,

8f, Spasskaya Gora [8], lime-birch forest, pitfall traps, 27.V-12.VII.1989, leg. VOK.

**REMARKS:** Virtually new to the Urals, although this species has already been recorded in Sarashi [10] [Esyunin et al., 1993]. The western macroslope of the Urals seems to be the eastern border in the range of this trans-European form.

#### *Trochosa robusta* (Simon, 1876)

**MATERIAL:** South Urals: 4f, Troitsk [19], salina, pitfall traps, 12.VII.1989, leg. SE (*T. spinipalpis*); 8m, 7f, same locality and habitat, 2.VI-15.VII.1992, leg. PD.

**REMARKS:** New to the Urals. This Palearctic species has been discovered in several places in Russia: Voronezh, Lipetsk and Samara areas, Mari-El and Ingushetian republics, Krasnoyarsk Province [Pichka, 1965; Sternbergs, 1977; Panteleyeva, 1982; Minoranskiy, 1988; Krasnobaev & Matveyev, 1993]. The record of *T. spinipalpis* in the South Urals [Esyunin & Pakhorukov, 1992] is referred in fact to *T. robusta* (see just below).

#### *Trochosa spinipalpis* (O. P.-Cambridge, 1895)

**MATERIAL:** South Urals: 2f, Tygynskoe Bog [13], *Sphagnum*, pitfall traps, 20.VI-28.VII.1993, leg. AA.

**CATALOGUE:** North Urals: Komi Republic [Pakhorukov, 1980]. Middle Urals: Perm Area [Azheganova, 1971a,b; Azheganova et al., 1976; Azheganova & Glukhov, 1981], montane region [Esyunin, 1991]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1990].

### DOLOMEDIIDAE

#### *Dolomedes fimbriatus* (Clerck, 1758)

**MATERIAL:** Cispolar Urals: 1subm, Naniya River [2], willowbed, 30.VIII.1988, leg. AYM. South Urals: 1m, Iremel Mt. [13], upper reaches of Tyulyuk River, 21.VI.1987, leg. ABP.

**CATALOGUE:** North Urals: Komi Republic [Utotchkina & Pakhorukov, 1976; Pakhorukov, 1980], Ekaterinburg Area [Kharitonov, 1926b; Pakhorukov, 1977]. Middle Urals: Perm Area [Kharitonov, 1925, 1931, 1932; Kharitonov & Berezneva, 1970; Azheganova & Glukhov, 1981], montane region [Esyunin, 1991], Ekaterinburg Area [Kharitonov, 1923; Shlykov, 1975]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988].

### HAHNIIDAE

#### *Antistea elegans* (Blackwall, 1841)

**MATERIAL:** Middle Urals: 1f, Lake Dolgoe [5], meadow bog, pitfall traps, 15.VI-10.VII.1993, leg. VOK; 29f, right bank of Kama River [5], wet meadow, pitfall traps, 3.V-3.IX.1989-1991, leg. VOK. South Urals: 1m, Tygynskoe Bog [13], *Sphagnum*, pitfall traps, 28.VII-1.IX.1993, leg. AA.

**CATALOGUE:** North Urals: Komi Republic [Utotchkina & Pakhorukov, 1976; Pakhorukov, 1980]. Middle Urals: montane region [Esyunin, 1991, 1992c]. South Urals: Chelyabinsk Area [Esyunin & Pakhorukov, 1992].

#### *Cryphoeca silvicola* (C. L. Koch, 1834)

**MATERIAL:** Middle Urals: 1m, 1f, Visim [11], *Betula-Pinus* and *Picea* forests, VI.1990, leg. NLU.

**CATALOGUE:** Polar Urals: Sob River [Tanaevitch, 1985]. North Urals: Komi Republic [Pakhorukov, 1980], Ekaterinburg Area [Pakhorukov, 1977, 1979, 1984]. Middle Urals: Perm Area [Kharitonov, 1925; Tysschenko, 1971; Azheganova & Glukhov, 1981], montane region [Esyunin, 1991]. South Urals: montane region [Esyunin & Polyanin, 1990].

#### *Hahnia ononidum* Simon, 1875

**MATERIAL:** Middle Urals: 5m, environs of Perm City [5], forest of *Pinus* with green mosses, pitfall traps, 28.V-18.VI.1989, leg. SE; 4f, Preduralie [9], 1982, leg. ?

**CATALOGUE:** Polar Urals: Sob River [Tanaevitch, 1985]. North Urals: Komi Republic [Utotchkina & Pakhorukov, 1976; Pakhorukov, 1980], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Sarashi [10] [Esyunin et al., 1991], montane region [Esyunin, 1991]. South Urals: Orenburg Area [Shiperovitch, 1939: *H. mengei*], Bashkiria [Pakhorukov & Efimik, 1988; Esyunin et al., 1993], Chelyabinsk Area [Polyanin & Pakhorukov, 1989].

#### *Hahnia pusilla* C. L. Koch, 1841

**MATERIAL:** Middle Urals: 19m, 1f, V. Kurya [5], pine forest, pitfall traps, 26.V-9.VI.1990, leg. VOK; 1m, Spasskaya Gora [8], pine forest in steppe, pitfall traps, 3.VI.1990, leg. VOK; 3f, Preduralie [9], 1982, leg. ?; 7m, 23f, Visim [11], paludal birch-spruce forest, VI-IX.1990, leg. NLU. South Urals: 2f, Bashkirian [16], pine forest, 11.VIII.1988, leg. VE; 2f, Syrtlanovo [14], broadleaved forest, 10-30.VIII.1990, leg. VE.

**CATALOGUE:** North Urals: Komi Republic [Utotchkina & Pakhorukov, 1976], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Sarashi [10] [Esyunin et al., 1993]. South Urals: Chelyabinsk Area [Esyunin et al., 1993].

#### *Mastigusa arietina* (Thorell, 1871)

**MATERIAL:** Middle Urals: 1f, environs of Perm City [5], meadow of *Calamagrostis* etc., IX.1988, leg. SE; 5f, Spasskaya Gora [8], birch forest in steppe, pitfall traps, 27.VI-23.X.1987-1988, leg. VOK; 3f, Preduralie [9], coniferous forest, 19-24.VIII.1988, leg. TIGr; 1m, same locality, limestone denudation, pitfall traps, 9-29.VI.1993, leg. TIGr. South Urals: 1f, Syrtlanovo [14], wood-meadow, 1.VIII.1990, leg. VE.

**REMARKS:** Virtually new to Russia, although this widespread European [Crocker, 1973] species has already been recorded by Gridina [1990: *Tuberta*] from Preduralie [9].

### DICTYNIDAE

#### *Argenna prominula* Tullgren, 1948

**MATERIAL:** Middle Urals: 1f, Preduralie [9], multi-herbaceous meadow, 8.VII.1983, leg. Shestakova & Khabilina.

**REMARKS:** New to the Urals. This species ranges from northern Europe in the west to East Siberia in the east [Eskov, 1988].

#### *Dictyna alaskae* Chamberlin et Ivie, 1947

**MATERIAL:** Polar Urals: 1m, Khadyta-Yakha River [1], mixed forest, herbage, 25.VII.1981, leg. SE.

**REMARKS:** New to the Urals. This species is widespread in North America and Siberia [Marusik, 1989; Esyunin & Novokshonov, 1992; Marusik et al., 1993], while the above locality represents its westernmost outpost.

#### *Dictyna pusilla* Thorell, 1856

**MATERIAL:** Middle Urals: 4m, 1f, Visim [11], birch-spruce forest, sweeping, 25.VI.1993, leg. Loktevaya. South Urals: 3f, Syrtlanovo [14], steppe, 2-12.VII.1990, leg. VE; 1f, Shulgan-Tash [15], floodland meadow, 9.VI.1989, leg. VE; 3f, Bashkirian [16], steppe, birch and pine forests, 12.VI-30.VII.1988, leg. VE; 1f, Bekeshevo [18], *Betula* park forest, 28.VII.1987, leg. VE.

**CATALOGUE:** North Urals: Komi Republic [Vasilievitch & Pakhorukov, 1975; Utotchkina & Pakhorukov, 1976; Pakhorukov, 1980], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Perm Area [Azheganova & Glukhov, 1981], montane region [Esyunin, 1991]. South

Urals: Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988].

### *Dictyna schmidti* Kulczynski, 1926

*Dictyna schmidti*: Palmgren, 1977, fig. 4:7-8 (f).

MATERIAL: Polar Urals: 3f, Khadyta-Yakha River [1], mixed forest, trunk, 25.VI.1982, leg. SE.

CATALOGUE: North Urals: montane region [Pakhorukov, 1977]. Middle Urals: montane region [Esyunin, 1991].

### *Emlynna annulipes* (Blackwall, 1846)

*Dictyna pusilla* (non Thorell): Azheganova, 1968, figs 74-75 (m, f).

MATERIAL: Middle Urals: 1m, Perm City [5], in house, date ?, leg. VE; 1m, 1f, Spasskaya Gora [8], birch forest, 20.VI.1990, leg. VOK; 1m, 1f, Preduralie [9], limestone denudation, 25.VI.1985, leg. ?. South Urals: 4m, 1f, Troitsk [19], data ?, leg. & det. Azheganova (as *D. pusilla*).

CATALOGUE: South Urals: Chelyabinsk Area [Azheganova, 1951]; *Dictyna pusilla*, 1968: *D. p.*; Pakhorukov, 1985: *D. p.*; Pakhorukov & Polyanin, 1987: *D.*; Polyanin & Pakhorukov, 1988: *D.*; Esyunin & Pakhorukov, 1992: *D. sp.* (aff. *tyshchenkoi*) and *D. p.*.

REMARKS: Specimens from the Troitskii Reserve have been identified, described and figured by Azheganova [1951, 1968] as *Dictyna pusilla*. Like the recently reported samples of a *Dictyna* sp. [Esyunin & Pakhorukov, 1992], they undoubtedly belong to *E. annulipes*.

### *Lathys puta* (O. P.-Cambridge, 1863)

MATERIAL: Middle Urals: 1f, environs of Perm City [5], pine forest, pitfall traps, under snow, 19.III.1989, leg. SE; 1m, Spasskaya Gora [8], limestone denudation, 27.V.1989, leg. SE; 6f, Preduralie [9], broadleaved forest, 26.VI.1983, leg. Shestakova & Khabibulina.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Polyanin & Pakhorukov, 1988].

## TITANOECIDAE

### *Titanoeca quadriguttata* (Hahn, 1831)

MATERIAL: Middle Urals: 6m, environs of Perm City [5], meadow of *Calamagrostis* etc., pitfall traps, 28.V-7.VII.1989, leg. SE; 17m, V. Kurya [5], pine forest and sandy plots, pitfall traps, 30.V-11.VII.1990, leg. VOK; 3m, 1f, Preduralie [9], broad-leaved forest, 26.VI.1993, leg. Khabibulina & Shestakova.

CATALOGUE: Middle Urals: Sarashi [10][Esyunin et al., 1993]: *T. flavigomma*. South Urals: Chelyabinsk Area [Polyanin & Pakhorukov, 1988]: *T. obscura*.

### *Titanoeca praefica* (Simon, 1870)

Figs 7, 8.

MATERIAL: South Urals: 3f, Shulgan-Tash [15], montane steppe, 30.VI.1985, leg. VE; 5f, Kananikolskoe [17], montane steppe, under stones, 8-16.VIII.1987, leg. VE.

REMARKS: New to Russia. This species is known from Algeria and South Europe [Hubert, 1967]. The record of *T. obscura* in Bashkiria [Pakhorukov & Efimik, 1988] is referred in fact to *T. praefica*.

### *Titanoeca sibirica* L. Koch, 1879

Figs 9, 10.

MATERIAL: South Urals: 1f, Bekeshevo [18], rock, under stones, 29.VII.1987, leg. VE.

REMARKS: New to the Urals. This widespread species has been recorded in several places of Russia: Vologda Area in the European part [Kharitonov, 1932], Krasnoyarsk

Province, Buryatian and Yakutian republics in Siberia [Holm, 1973; Danilov, 1990; Marusik et al., 1993].

## LIOCRANIDAE

### *Agroeca cuprea* Menge, 1873

MATERIAL: Middle Urals: 2m, 2f, environs of Perm City [5], meadow of *Calamagrostis* etc., IX.1988, leg. SE; 1m, 4f, same locality and habitat, 9-28.V.1989, leg. SE; 1m, Iryak [6], 11-28.IX.1986, leg. SE; 21m, Spasskaya Gora [8], lime-birch forest and steppe plots, 8.IX-1.XI.1987-1988, leg. VOK; 7f, same locality, 4.V-31.VII.1987-1989, leg. VOK. South Urals: 2m, 7f, Shulgan-Tash [15], pea shrub (*Caragana*) steppe, 24.VI-25.VIII.1989, leg. VE.

REMARKS: New to the Urals. This species is widespread in North Africa, Europe, South Siberia and Middle Asia [Mikhailov & Fet, 1986].

### *Agroeca dentigera* Kulczynski, 1913

MATERIAL: South Urals: 9f, Troitsk [19], lake shore with reed thickets, pitfall traps, 5-24.VI.1992, leg. PD.

REMARKS: New to the Urals. This species was originally described from the Belgorod Area of Russia [Kulczynski, 1916], and it has since been repeatedly recorded in Middle Europe [Grimm, 1986]. The Urals seem to represent the easternmost range limit in this species.

### *Agroeca kalbica* (Savelyeva, 1972)

MATERIAL: Middle Urals: 17m, Spasskaya Gora [8], limestone denudation and stony steppe, pitfall traps, 15.IX-23.X.1988, leg. VOK; 19f, same locality and habitats, 15.V-25.VII.1987-1989, leg. VOK; 4m, 1f, Preduralie [9], limestone denudation, 17.VIII-8.IX.1993, leg. VOK. South Urals: 1f, Bashkirian [16], montane steppe, pitfall traps, 6-15.VIII.1988, leg. VE.

REMARKS: *A. kalbica* was originally described from East Kazakhstan [Savelyeva, 1972] as a member of *Leptodrassus*, and recently this species has been transferred to *Agroeca* by Ovtsharenko & Savelyeva [1992] and recorded in the Yuganskii Reserve as well as in the Perm Area [Esyunin & Novokshonov, 1992].

### *Agroeca lusatica* (L. Koch, 1875)

MATERIAL: Middle Urals: 6m, 7f, environs of Perm City [5], meadow of *Calamagrostis* etc., pitfall traps, 3-30.X.1988, leg. SE; 16m, Spasskaya Gora [8], feather grass (*Stipa*) steppe, pitfall traps, 29.IV-2.V.1988, leg. VOK; 13f, same locality and habitat, 13.V-25.VII.1988-1989, leg. VOK. South Urals: 3f, Troitsk [19], *Betula* park forest, pitfall traps, 18-23.VI.1992, leg. PD.

REMARKS: New to the Urals. This widespread European species has heretofore been recorded in the Kursk and Samara areas of Russia [Pichka, 1984; Krasnobaev & Matveyev, 1993] as well as in Kazakhstan [Spassky, 1936]: *A. thorelli*.

### *Agroeca proxima* (O. P.-Cambridge, 1871)

MATERIAL: Middle Urals: 1f, environs of Perm City [5], meadow of *Calamagrostis* etc., 30.X.1988, leg. SE; 1f, Preduralie [9], birch forest, 8.VII.1987, leg. TIGR. South Urals: 1m, Ilmenskii [12], pine-birch forest, 9.VIII.1992, leg. Kichighina; 1m, Iremel Mt. [13], clearing, 30.VII.1990, leg. ABP.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988].

### *Phrurolithus festivus* (C. L. Koch, 1835)

MATERIAL: Middle Urals: 1f, Lake Dolgoe [5], gravelly bank, pitfall traps, 4.VI-10.VII.1993, leg. VOK; 3m, environs of Perm City [5], cherry (*Cerasus*) shrub, *Picea* forest with green mosses, alder thicket, 18.VI-7.

VII.1989, leg. SE; 1f, Spasskaya Gora [8], feather grass (*Stipa*) steppe, 11.VII.1989, leg. VOK; 1f, Preduralie [9], birch forest, 27.VI.1990, leg. TIGR.

CATALOGUE: Middle Urals: Sarashi [10][Esyunin et al., 1993]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

#### CLUBIONIDAE

##### *Cheiracanthium virescens* (Sundevall, 1833)

MATERIAL: South Urals: 2f, Syrtlanovo [14], stony steppe and broadleaved forest, 10-12.VIII.1990, leg. VE; 4f, Shulgash-Tash [15], dry meadow and broadleaved forest, 3.VI-24.VIII.1989, leg. VE.

CATALOGUE: Middle Urals: Perm Area [Azheganova & Glukhov, 1981]. South Urals: Chelyabinsk Area [Azheganova, 1951; Tyshchenko, 1971; Esyunin & Pakhorukov, 1992].

##### *Clubiona diversa* O. P.-Cambridge, 1862

MATERIAL: South Urals: 2m, 3f, Bashkirian [16], floodland meadow, 12.VII-21.VIII.1988, leg. VE.

CATALOGUE: Middle Urals [Mikhailov, 1992]: Perm Area [Azheganova & Glukhov, 1981], montane region [Esyunin, 1991]. South Urals: Chelyabinsk Area [Azheganova, 1951, 1968; Utotchkina & Golovashkina, 1977; Pakhorukov, 1985; Polyanin & Pakhorukov, 1988; Mikhailov, 1992; Esyunin & Pakhorukov, 1992].

##### *Clubiona neglecta* O. P.-Cambridge, 1862

MATERIAL: Middle Urals: 1m, Lake Dolgoe [5], meadow bog, pitfall traps, 31.V-28.VI.1992, leg. VOK; 1m, 1f, Preduralie [9], arboretum, 5.VI.1973, leg. ?

CATALOGUE: South Urals [Mikhailov, 1992]: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Azheganova, 1951; C. similis, 1968: C. s.; Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992; Polyanin & Lagunov, 1992].

##### *Clubiona norvegica* Strand, 1900

MATERIAL: Middle Urals: 1f, right bank of Kama River [5], wet meadow, 30.V.1993, leg. SE, VE & VOK.

CATALOGUE: Polar Urals: Yamal [Mikhailov, 1992]. North Urals: Ekaterinburg Area [Pakhorukov, 1977; Mikhailov, 1992].

##### *Clubiona subtilis* L. Koch, 1866

MATERIAL: Middle Urals: 1m, V. Kurya [5], sandy plots, 30.V.1993, leg. SE, VE & VOK.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977; Mikhailov, 1992]. South Urals: Chelyabinsk Area [Azheganova, 1951, 1968; Tyshchenko, 1971; Polyanin & Pakhorukov, 1988; Mikhailov, 1992; Esyunin & Pakhorukov, 1992].

##### *Clubiona trivialis* C. L. Koch, 1863

MATERIAL: South Urals: 1m, Troitsk [19], lake shore with reed thickets, 24.VI.1992, leg. PD.

CATALOGUE: Polar Urals: Vorkuta Area [Mikhailov, 1992]. North Urals [Mikhailov, 1992]: Komi Republic [Pakhorukov, 1979, 1980], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: montane region [Esyunin, 1991; Mikhailov, 1992].

#### GNAPHOSIDAE

##### *Callilepis nocturna* (Linnaeus, 1758)

MATERIAL: Middle Urals: 3m, environs of Perm City [5], cherry (*Cerasus*) shrub on S slope and meadow of *Calamagrostis* etc., 28.V-7.VI.1989, leg. SE; 3m, V. Kurya

[5], sandy plots, pitfall traps, 30.V-30.VI.1990, leg. VOK; 2m, 1f, Preduralie [9], limestone denudation, 9.VI.1983, leg. Shestakova & Khabibulina.

CATALOGUE: North Urals: Komi Republic [Utotchkina & Pakhorukov, 1976; Pakhorukov, 1980; Ovtsharenko, 1982]. Middle Urals: Sarashi [10][Esyunin et al., 1993]. South Urals: Bashkiria [Ovtsharenko, 1982; Pakhorukov & Efimik, 1988; *Gallilepis*; Ghirfanova et al., 1992], Chelyabinsk Area [Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

##### *Drassyllus lutetianus* (L. Koch, 1866)

MATERIAL: Middle Urals: 4m, 1f, Lake Dolgoe [5], meadow bog, pitfall traps, 2.V-28.VI.1992-1993, leg. VOK. South Urals: 1f, Syrtlanovo [14], stony bank, 3.VII.1986, leg. VE.

CATALOGUE: South Urals: Chelyabinsk Area [Polyanin & Pakhorukov, 1988: *Zelotes*].

##### *Drassyllus praeficus* (L. Koch, 1866)

MATERIAL: South Urals: 4m, Troitsk [19], *Betula* park forest, pitfall traps, 17.VI-1.VII.1992, leg. PD.

CATALOGUE: Middle Urals: Perm Area [Kharitonov, 1931: *Zelotes*, 1932: Z.; Tyshchenko, 1971: Z.; Azheganova & Glukhov, 1981: Z.; Ovtsharenko, 1982: Z.; Gridina, 1992: Z.], montane region [Esyunin, 1991: Z.]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988: Z.].

##### *Gnaphosa cumensis* Ponomarev, 1981

MATERIAL: South Urals: 1m, Troitsk [19], salina, 12.VII.1989, leg. & det. SE (*G. lucifuga*); 2m, 6f, same locality and habitat, 9-16.VI.1992, leg. PD.

REMARKS: New to the Urals. This species has been recorded in several places of Russia (Kalmykia and Volgograd Area) as well as in Mongolia [Ovtsharenko et al., 1992]. The record of *G. lucifuga* in the Chelyabinsk Area [Esyunin & Pakhorukov, 1992] is referred in fact to *G. cumensis*.

##### *Gnaphosa lugubris* (C. L. Koch, 1839)

MATERIAL: Middle Urals: 13m, Spasskaya Gora [8], limestone denudation, steppe plots, pitfall traps, 27.V-24.VI.1987-1989, leg. VOK; 13f, same locality, 27.V-19.IX.1988-1989, leg. VOK.

CATALOGUE: North Urals: Komi Republic [Utotchkina & Pakhorukov, 1976; Pakhorukov, 1980; Ovtsharenko, 1982]. South Urals: Bashkiria [Ovtsharenko, 1982; Pakhorukov & Efimik, 1988].

##### *Gnaphosa orites* Chamberlin, 1922

MATERIAL: Cispolar Urals: 31m, 14f, Neroika Mt. [2], stony montane tundra and montane meadow, pitfall traps, 14.VI-5.VIII.1989-1990, leg. YIK & AYM.

CATALOGUE: Polar Urals: South Yamal [Ovtsharenko, 1982; Eskov, 1985; Ovtsharenko & Marusik, 1988; Ovtsharenko et al., 1992].

##### *Gnaphosa sticta* Kulczynski, 1908

MATERIAL: Cispolar Urals: 2f, Dodo Mt. [2], 21.VII.1988, leg. YIK; 4m, 9f, Neroika Mt. [2], stony montane tundra and talus (Siberian term "kurumy"), 20.VI-3.VIII.1989-1990, leg. YIK & AYM.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991].

##### *Haplodrassus cognatus* (Westring, 1861)

MATERIAL: South Urals: 1f, Iremel Mt. [13], montane tundra, 4.VII.1991, leg. ABP.

CATALOGUE: Middle Urals: Perm Area [Kharitonov, 1931: *Drassodes*, 1932; Azheganova et al., 1976; Azheganova & Glukhov, 1981; Ovtsharenko, 1982; Esyunin et al., 1993], montane region [Esyunin, 1991].

Ekaterinburg Area [Kharitonov, 1923; D., 1928: *D.*]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], Chelyabinsk Area [Polyanin & Pakhorukov, 1988].

*Haplodrassus kulczynskii* Lohmander, 1942  
Fig. 22.

MATERIAL: South Urals: 1f, Syrtlanovo [14], *Stipa* steppe, 1.VIII.1990, leg. VE. 1f, Chelyabinsk Area, Uli River [near 19], stony steppe, pitfall trap, 23.VI-8.VII.1994, leg. SE.

REMARKS: New to the Urals. In Russia, this species has hitherto been recorded from the Samara Area only [Krasnobaev, 1992], being widespread in South and Middle Europe [Grimm, 1985].

*Haplodrassus signifer* (C. L. Koch, 1839)

MATERIAL: Polar Urals: 4m, Khadyta-Yakha River [1], wet moss-grown depression in tundra, pitfall traps, 8-10.VII.1982, leg. SE.

CATALOGUE: North Urals: Komi Republic [Utotchkin & Pakhorukov, 1980; Pakhorukov, 1980; Ovtsharenko, 1982]. Middle Urals: Perm Area [Azheganova et al., 1976; Azheganova & Glukhov, 1981; Ovtsharenko, 1982], montane region [Esyunin, 1991, 1992c]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

*Haplodrassus silvestris* (Blackwall, 1833)

MATERIAL: South Urals: 1f, Miass River [12], bank, 13.VI.1985, leg. ?

REMARKS: New to the Urals. This species is widely distributed in Europe, recorded also in the Chita Area, Siberia [Izmailova, 1980; Verzhutskiy et al., 1985; Ovtsharenko, 1982; Danilov, 1990], but absent from the latest review of Siberian Gnaphosidae [Ovtsharenko & Marusik, 1988]. Apparently, the Urals is the easternmost limit of the range of this European species.

*Micaria aenea* Thorell, 1871

MATERIAL: Middle Urals: 1f, V. Kurya [5], pine forest, pitfall traps, 30.VI-11.VII.1990, leg. VOK; 2m, Sarashi [10], pine forest, pitfall traps, 6.V-1.VI.1991, leg. VOK. South Urals: 1f, Tygynskoe Bog [13], *Sphagnum*, pitfall traps, 20.VI-28.VII.1993, leg. AA; 1f, Troitsk [19], *Betula* park forest, 4.VI.1992, leg. PD.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991].

*Micaria alpina* L. Koch, 1872

MATERIAL: Cispolar Urals: 1m, Neroika Mt. [2], 700 m alt., dwarf *Betula* stand, pitfall traps, 25.VII-3.VIII.1990, leg. YIK. Middle Urals: 2f, Baseghi Range [3], 800 m alt., elfin woodland of *Betula*, pitfall traps, 6-16.VIII.1985, leg. SE.

CATALOGUE: Polar Urals: near Vorkuta [Mikhailov, 1987].

*Micaria formicaria* (Sundevall, 1831)

MATERIAL: Middle Urals: 17m, Spasskaya Gora [8], steppes, pitfall traps, 27.V-25.VII.1987-1989, leg. VOK; 17f, same locality, 17.VI-22.VIII.1988-1989, leg. VOK.

CATALOGUE: South Urals: Orenburg Area [Kuznetsov, 1988], Bashkiria [Ghirfanova et al., 1992], Chelyabinsk Area [Azheganova, 1951, 1968; Pakhorukov, 1985; Mikhailov, 1987; Esyunin & Pakhorukov, 1992].

*Micaria fulgens* (Walckenaer, 1802)

MATERIAL: Middle Urals: 1m, Spasskaya Gora [8], birch forest, 27.V.1989, leg. VOK; 1f, Sarashi [10], oak forest, 1.VI.1991, leg. VOK (as *M. formicaria*, det. SE); 6m,

same locality, pine forest, pitfall traps, 6.V-1.VI.1991, leg. VOK. South Urals: 1f, Syrtlanovo [14], steppe meadow, 20.VII.1990, leg. VE; 1m, 2f, Shulgan-Tash [15], pea shrub (*Caragana*) steppe, 30.VI-8.VII.1989, leg. VE.

CATALOGUE: Middle Urals: Sarashi [10][Esyunin et al., 1993: *M. formicaria*]. South Urals: Chelyabinsk Area [Polyanin & Pakhorukov, 1988].

*Micaria nivosa* L. Koch, 1866

MATERIAL: Middle Urals: 1m, Kachka [6], on wall of a building, 21.V.1989, leg. SE.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988: *M. decorata*].

*Micaria rossica* Thorell, 1875

MATERIAL: South Urals: 2f, Bekeshevo [18], stony denudation, 30.VII-2.VIII.1987, leg. VE; 6m, 1f, Troitsk [19], salina, pitfall traps, 2-21.VI.1992, leg. PD.

CATALOGUE: South Urals: Orenburg Area [Kuznetsov & Kloblova, 1977: *M. pulicaria*; Mikhailov, 1987; Kuznetsov, 1988].

*Micaria silesiaca* (L. Koch, 1875)

MATERIAL: Middle Urals: 26m, 10f, V. Kurya [5], sandy plots, pitfall traps, 9.VI-11.VII.1990, leg. VOK; 7m, 1f, Spasskaya Gora [8], stony steppe, pitfall traps, 21.V-27.VI.1987-1988, leg. VOK; 1m, Sarashi [10], pine forest, pitfall traps, 6.V-1.VI.1991, leg. VOK. South Urals: 1f, Syrtlanovo [14], steppe meadow, pitfall traps, 22.VII-1.VIII.1990, leg. VE; 1f, Bashkirian [16], montane steppe, 19.VI.1988, leg. VE.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991].

*Micaria subopaca* Westring, 1862

MATERIAL: Middle Urals: 1f, Preduralie [9], indoor, 13.IX.1994, leg. SE.

REMARKS: New to the Urals. This species has been recorded from Middle and East Europe, also known from Kamchatka [Mikhailov, 1987].

*Phaeocedus braccatus* (L. Koch, 1866)

MATERIAL: Middle Urals: 1m, Spasskaya Gora [8], forest of *Betula*+*Ulmus*, 17.VII.1990, leg. VOK. South Urals: 1f, Bashkirian [16], bank, under stones, 18.VI.1988, leg. VE.

CATALOGUE: South Urals: Chelyabinsk Area [Azheganova, 1951, 1968; Pakhorukov, 1985; Ovtsharenko, 1982; Esyunin & Pakhorukov, 1992].

*Sosticus loricatus* [L. Koch, 1866]

MATERIAL: Middle Urals: 2f, Perm City [5], in building, 7.III.1990, leg. SE.

CATALOGUE: South Urals: Bashkiria [Ovtsharenko, 1982].

*Zelotes azsheganovae* Esyunin et Efimik, 1992

MATERIAL: Middle Urals: 1m, 1f, Lake Dolgoe [5], meadow bog, pitfall traps, 1-31.V.1992, leg. VOK; 1m, Spasskaya Gora [8], steppe of *Stipa* etc., 2.X.1988, leg. VOK; 1f, same locality, 17.VI.1989, leg. VOK.

CATALOGUE: South Urals: Bashkiria [Esyunin & Efimik, 1992], Chelyabinsk Area [Esyunin & Pakhorukov, 1992: Z. (aff. *atroceraulens*) + Z. sp.1; Esyunin & Efimik, 1992].

*Zelotes cliviculus* (L. Koch, 1870)

MATERIAL: Middle Urals: 1m, Baseghi [3], disturbed growth of *Anthriscus*, 21.VIII.1990, leg. SE; 1m, Lake Dolgoe [5], meadow bog, pitfall traps, 1-31.V.1992, leg. VOK; 2m, 2f, V. Kurya [5], pine forest, pitfall traps, 26.V-30.VI.1990, leg. VOK; 6m, 2f, environs of Perm City [5], pine forest, meadow of *Calamagrostis* etc., pitfall traps, 28.V-18.VI.1989, leg. SE; 6m, 3f, Spasskaya Gora [8], steppe forest of *Picea*, shrub steppe, 27.V-31.VII.1989-1990, leg. VOK.

CATALOGUE: Middle Urals: Sarashi [10][Esyunin et al., 1993]. South Urals: Chelyabinsk Area [Esyunin & Pakhorukov, 1992].

*Zelotes exiguum* (Müller et Schenkel, 1895)

MATERIAL: Middle Urals: 4m, V. Kurya [5], pine forest, pitfall traps, 9-30.VI.1990, leg. VOK.

REMARKS: New to Russia. This species is widely distributed in Europe, while the above locality is its easternmost record.

*Zelotes latreillei* (Simon, 1878)

MATERIAL: South Urals: 5m, 1f, Shulgan-Tash [15], cherry (*Cerasus*) shrub on S slope, 20.VII-20.VIII.1989, leg. VE.

CATALOGUE: Middle Urals: Perm Area [Khritonov, 1927, 1932; Baskina & Fridman, 1928; Tyshchenko, 1971; Azheganova, Glykhov, 1981; Ovtsharenko, 1982]. South Urals: Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

*Zelotes petrensis* (C. L. Koch, 1839)

MATERIAL: Middle Urals: 3m, 4f, environs of Perm City [5], cherry (*Cerasus*) shrub on S slope, pitfall traps, 2-28.VII.1987, leg. SE; 3m, 3f, V. Kurya [5], sandy plots, pitfall traps, 21.IV-5.IX.1990, leg. VOK; 2m, 1f, Spasskaya Gora [8], forest of *Tilia*+*Betula*, pitfall traps, 30.IV-25.VII.1988-1990, leg. VOK.

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1980]. Middle Urals: Sarashi [10][Esyunin et al., 1993]. South Urals: Bashkiria [Ovtsharenko, 1982; Pakhorukov & Efimik, 1988], Chelyabinsk Area [Polyanin & Pakhorukov, 1988].

*Zelotes potanini* Schenkel, 1963

Fig. 23.

MATERIAL: South Urals: 1f, Syrtlanovo [14], pea shrub (*Caragana*) steppe, under stone, 1.VIII.1991, leg. VE.

REMARKS: New to the Urals. *Zelotes potanini* Schenkel was originally described from China, and later it has been recorded in Buryatia [Izmailova, 1977] and Yakutia [Koponen & Marusik, 1992].

*Zelotes puritanus* Chamberlin, 1922

MATERIAL: Middle Urals: 1f, Spasskaya Gora [8], limestone denudation, 31.VII.1989, leg. VGN. South Urals: 1m, 1f, Shulgan-Tash [15], stony steppe, 30.VI-3.VII.1989, leg. VE; 1m, 3f, Bashkirian [16], floodland meadow, forests of *Pinus* and of *Picea*+*Betula*, 29.VI-7.VII.1987, leg. VE.

REMARKS: New to the Urals. This is a circum-boreal mountainous species [Ovtsharenko & Marusik, 1988]. A record of *Z. clivicola* in Bashkiria [Pakhorukov & Efimik, 1988] is referred in fact to *Z. puritanus*.

*Zelotes pygmaeus* Miller, 1943

Fig. 21.

MATERIAL: South Urals: 1f, Syrtlanovo [14], feather grass (*Stipa*) steppe, pitfall traps, 22.VII-1.VIII.1990, leg. VE.

REMARKS: New to Russia. The above locality is the easternmost record of this European species.

## ZORIDAE

*Zora parallela* Simon, 1878

MATERIAL: South Urals: 1m, Troitsk [19], salina, 21.VI.1992, leg. PD.

REMARKS: New to Russia. This species is widespread in South and Middle Europe as well as in Asia Minor [Bonnet, 1959]. The Urals seem to represent the easternmost limit of its range.

*Zora silvestris* Kulczynski, 1897

MATERIAL: South Urals: 8m, 2f, Troitsk [19], *Betula* park forest, pitfall traps, 11.VI-1.VII.1992, leg. PD.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977; Mikhailov & Fet, 1986]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988].

## PHILODROMIDAE

*Philodromus cespitum* (Walckenaer, 1802)

MATERIAL: Middle Urals: 1m, Perm City [5], recreation park, herbage, 14.VI.1989, leg. SE; 4f, same locality, birch forest, 27.VI-24.IX.1993, leg. SE; 1m, 3f, environs of Perm City [5], meadow of *Calamagrostis* etc., cherry (*Cerasus*) shrub on S slope, herbage, 7-14.VI.1987, leg. SE; 4m, 7f, V. Kurya [5], garden, herbage, 8.VI-7.VII.1990-1993, leg. VOK; 10m, 8f, Spasskaya Gora [8], steppe plots, herbage, 27.V-20.VI.1987-1989, leg. VOK & SE; 1m, 1f, Preduralie [9], on wall of a building, 23.VI.1976, leg. Plekhova. 1f, Visim [11], multiherbaceous birch forest, 16.VIII.1994, leg. SE.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977]. *P. aureolus cespiticola*. Middle Urals: montane region [Esyunin, 1991]. South Urals: Chelyabinsk Area [Esyunin & Pakhorukov, 1992].

REMARKS: In our materials, *P. cespitum* is much more common than *P. aureolus* (Clerck, 1758). It is possible that numerous records of the latter species in the Urals are erroneous, being actually applied to *P. cespitum*.

*Philodromus corticinus* Simon, 1932

MATERIAL: Middle Urals: 1f, Preduralie [9], limestone denudation, 9.VI.1993, leg. SE.

CATALOGUE: South Urals: Bashkiria [Ghirfanova et al., 1992]: "P. corticinus Cl." (sic!).

*Philodromus fallax* Sundevall, 1832

MATERIAL: Polar Urals: 1f, Khadyta-Yakha River [1], floodland multitherbaceous meadow, herbage, 1.VII.1981, leg. SE.

CATALOGUE: Middle Urals: Perm Area [Azheganova & Glukhov, 1981; Utotchkina, 1988]. South Urals: Chelyabinsk Area [Azheganova, 1951, 1968; Utotchkina, 1988; Esyunin & Pakhorukov, 1992].

*Thanatus arcticus* (Thorell, 1872)

MATERIAL: Cispolar Urals: 4m, 7f, Neroika Mt. [2], stony tundra, pitfall traps, 20.VI-22.VIII.1988-1990, leg. YIK & AYM.

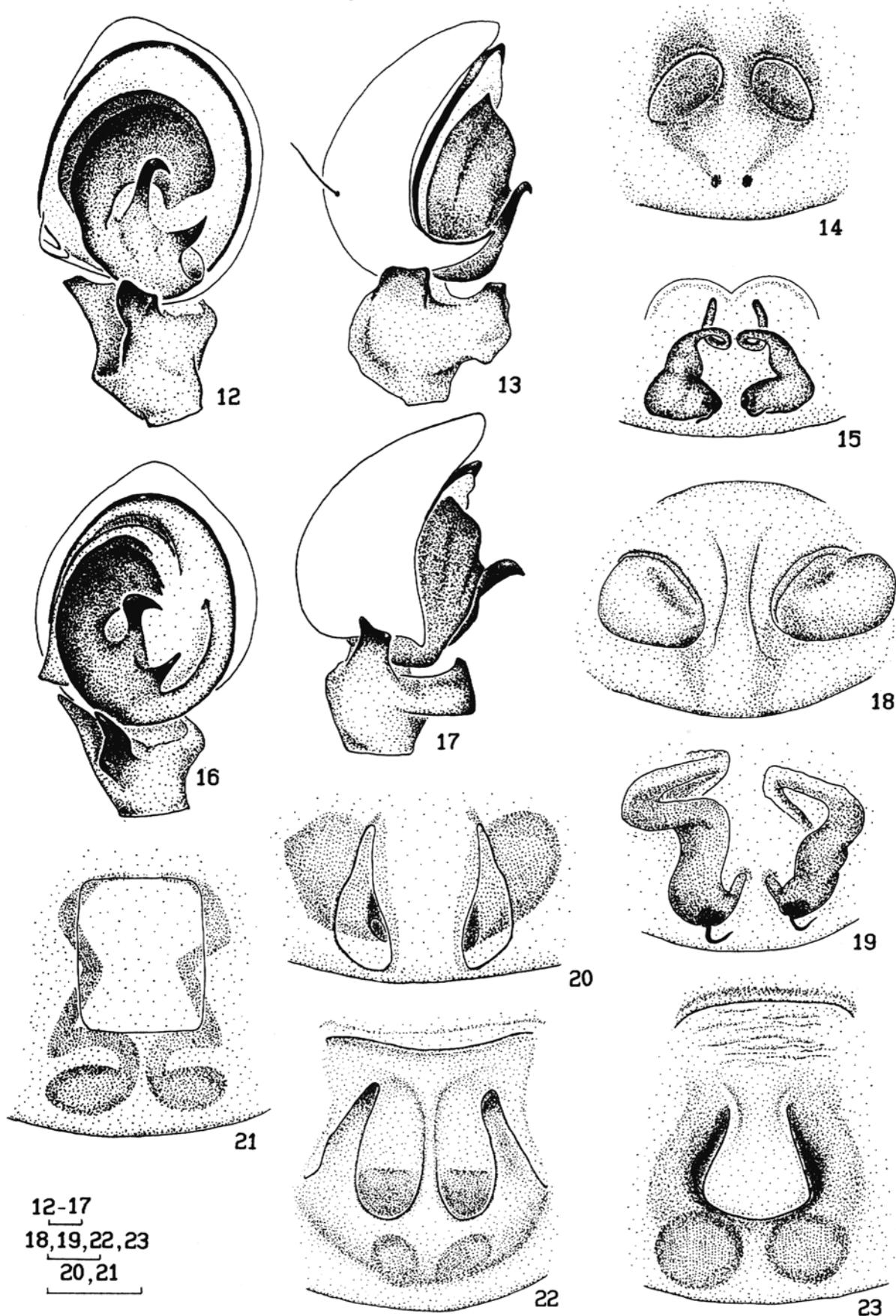
CATALOGUE: Polar Urals [Kulczynski, 1916; Eskov, 1985, 1988; Utotchkina, 1988].

*Thanatus constellatus* Charitonov, 1946

Fig. 20.

Figs 12-23. Genitalia of *Xysticus lanio* C. L. Koch, 1835 (12-15), *X. ukrainicus* Utotschkin, 1968 (16-19), *Thanatus constellatus* Charitonov, 1946 (20), *Haplodrassus kulczynskii* Lohmander, 1942 (22), *Zelotes pygmaeus* Miller, 1943 (21) and *Z. potanini* Schenkel, 1963 (23): 12, 16 — ♂ palp, ventral; 13, 17 — same, lateral; 14, 18, 20-23 — epigyne; 15, 19 — vulva. Scale 0.1 mm.

Рис. 12-23. Гениталии *Xysticus lanio* C. L. Koch, 1835 (12-15), *X. ukrainicus* Utotschkin, 1968 (16-19), *Thanatus constellatus* Charitonov, 1946 (20), *Haplodrassus kulczynskii* Lohmander, 1942 (22), *Zelotes pygmaeus* Miller, 1943 (21) и *Z. potanini* Schenkel, 1963 (23): 12, 16 — пальпа, вид снизу; 13, 17 — то же, вид сбоку; 14, 18, 20-23 — эпигина; 15, 19 — вульва. Масштаб 0.1 мм.



MATERIAL: South Urals: 1f, Syrtlanovo [14], pea shrub (*Caragana*) steppe, under stone, 7.VIII.1991, leg. VE.

REMARKS: New to Russia. Originally this species was described from Uzbekistan [Kharitonov, 1946].

#### *Tibellus macellus* Simon, 1875

MATERIAL: South Urals: 2m, 6f, Syrtlanovo [14], pea shrub (*Caragana*) steppe and feather grass (*Stipa*) steppe, 2.VII-3.IX.1990, leg. VE; 1m, Bashkirian [16], montane steppe, 13.VI.1988, leg. VE.

CATALOGUE: Middle Urals: Perm Area [Azheganova & Glukhov, 1981; Utotchkin, 1988]. South Urals: Chelyabinsk Area [Utotchkin & Golovashkina, 1977; Esyunin & Pakhorukov, 1992].

#### THOMISIDAE

##### *Ozyptila atomaria* (Panzer, 1801)

MATERIAL: Middle Urals: 3m, 1f, environs of Perm City [5], cherry (*Cerasus*) shrub on S slope, 17.V.1987, leg. SE; 2m, 2f, Spasskaya Gora [8], lime-birch forest and stony steppe, pitfall traps, 21.V-1.XI.1988, 1990, leg. VOK; 2m, 1f, Preduralie [9], limestone denudation, pitfall traps, 17.VIII-8.IX.1993, leg. VOK.

CATALOGUE: ?North Urals [Utotchkin, 1988]. Middle Urals: montane region [Utotchkin, 1988; Esyunin, 1991]. South Urals [Utotchkin, 1988]: Bashkiria [Pakhorukov & Efimik, 1988], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

##### *Ozyptila claveata* (Walckenaer, 1837)

MATERIAL: Middle Urals: 9m, environs of Perm City [5], meadow of *Calamagrostis* etc., cherry (*Cerasus*) shrub on S slope, pitfall traps, 2-10.V.1987, leg. SE; 1f, same locality, 30.X.1989, leg. SE; 5m, Spasskaya Gora [8], lime-birch forest, pitfall traps, 3.VI-25.VII.1990, leg. VOK; 4f, same locality, 3.VI-8.IX.1990, leg. VOK; 4m, Sarashi [10], pine forest, pitfall traps, 6.V-1.VI.1991, leg. VOK. South Urals: 1f, Syrtlanovo [14], pea shrub (*Caragana*) steppe, 7.VII.1990, leg. VE; 6m, 3f, Shulgantash [15], pea shrub (*Caragana*) steppe, 5.VIII-5.IX.1989, leg. VE; 1m, Bashkirian [16], montane steppe, 10.VIII.1988, leg. VE; 1f with cocoon, same locality, 19.VI.1988, leg. VE.

CATALOGUE: South Urals: Chelyabinsk Area [Pakhorukov & Polyanin, 1987; *Ozyptila nigrita*; Polyanin & Pakhorukov, 1988; *Ox. n.*; Utotchkin, 1988: unpubl.; *Ox. n.*; Polyanin & Lagunov, 1992: *Ox. n.*].

##### *Ozyptila pullata* (Thorell, 1875)

MATERIAL: Middle Urals: 1m, Spasskaya Gora [8], limestone denudation, 27.V.1989, leg. VOK.

REMARKS: New to the Urals. *O. pullata* was originally described from the middle Volga flow region and later recorded in the Ukraine [Guryanova & Khomenko, 1991] as well as Czechoslovakia and France [Hippa et al., 1986].

##### *Ozyptila scabricula* (Westring, 1851)

MATERIAL: Middle Urals: 16m, Spasskaya Gora [8], limestone denudation and steppe plots, 16.V-25.VI.1987-1989, leg. VOK; 6f, same locality, 16.V-15.IX.1987-1988, leg. VOK. South Urals: 2m, 1f, Syrtlanovo [14], steppe meadow and steppe, 10-30.VIII.1990, leg. VE.

CATALOGUE: Middle Urals: Ekaterinburg Area [Shlykov, 1975]. South Urals: Orenburg Area [Kuznetsov, 1988], Chelyabinsk Area [Azheganova, 1951, 1968; Utotchkin & Golovashkina, 1977; Pakhorukov, 1985; Utotchkin, 1988; Esyunin & Pakhorukov, 1992].

##### *Pistius undulatus* Karsch, 1879

MATERIAL: South Urals: 1m, Troitsk [19], in building, 14.VII.1993, leg. SE.

REMARKS: New to the Urals. This species has been

reported from Siberia, Sakhalin, Kurile Islands, Japan, Korea and China [Ono et al., 1990], the South Urals currently being the westernmost record. In our materials from Bashkiria, one subadult ♂ is present. The latter differs by the coloration and shape of the abdomen from the Troitsk ♂. The Bashkirian submale seems to belong to the European *P. truncatus* (Pallas, 1772).

##### *Tmarus rimosus* Paik, 1973

MATERIAL: South Urals: 1m, 1f, Syrtlanovo [14], edge of broadleaved forest, 1.VII-28.VIII.1990, leg. VE; 1m, Shulgantash [15], from maple (*Acer*), 4.VII.1985, leg. VE.

CATALOGUE: South Urals: Chelyabinsk Area [Esyunin & Pakhorukov, 1992].

##### *Xysticus acerbus* Thorell, 1872

MATERIAL: Middle Urals: 1f, environs of Perm City [5], cherry (*Cerasus*) shrub on S slope, sweeping, 17.V.1987, leg. SE.

CATALOGUE: South Urals [Utotchkin, 1988]: Bashkiria [Pakhorukov & Efimik, 1988], montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Polyanin & Lagunov, 1992].

##### *Xysticus bonneti* Denis, 1938

MATERIAL: Middle Urals: 1f, Belaya Mt. [11], VI.1988, leg. YIK. South Urals: 6f, Bekeshevo village [18], rock, under stones, 29.VII-2.VIII.1987, leg. VE.

CATALOGUE: Middle Urals [Utotchkin, 1988: *X. sibiricus*]: montane region [Esyunin, 1991, 1992b: *X. johannislupi*]. South Urals: montane region [Esyunin & Polyanin, 1990: *X. s.*; Esyunin, 1992b: *X. j.*], Chelyabinsk Area [Polyanin & Pakhorukov, 1988: *X. s.*; Utotchkin, 1988: *X. s.*].

##### *Xysticus cristatus* (Clerck, 1758)

MATERIAL: Cispolar Urals: 2m, Neroika Mt. [2], alpine meadow, sweeping, 19-23.VI.1990, leg. YIK.

CATALOGUE: North Urals [Utotchkin, 1988]: Komi Republic [Pakhorukov, 1979, 1980], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: Perm Area [Kharonov, 1925, 1932; Kharitonov & Berezneva, 1970; Azheganova et al., 1976; Azheganova & Glukhov, 1981; Utotchkin, 1988], Ekaterinburg Area [Shlykov, 1975]. South Urals [Utotchkin, 1988]: Orenburg Area [Kharitonov, 1927, 1932], Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992], Chelyabinsk Area [Azheganova, 1949, 1951; Utotchkin & Golovashkina, 1977; Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992; Polyanin & Lagunov, 1992].

##### *Xysticus lanio* C. L. Koch, 1835

Figs 16-19.

MATERIAL: Middle Urals: 1f, Preduralie [9], birch forest, litter, 1.VI.1988, leg. TIGR.

REMARKS: New to the Urals. A trans-Palearctic species [Esyunin et al., 1993].

##### *Xysticus lineatus* (Westring, 1851)

MATERIAL: South Urals: 1m, 1f, Bashkirian [16], floodland meadow, herbage, 15.VI.1988, leg. VE.

CATALOGUE: ?Middle Urals [Utotchkin, 1988]. South Urals: Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Utotchkin, 1988; Esyunin & Pakhorukov, 1992; Polyanin & Lagunov, 1992].

##### *Xysticus robustus* (Hahn, 1831)

MATERIAL: Middle Urals: 3m, 2f, Spasskaya Gora [8], limestone denudation, stony steppe and lime-birch forest, pitfall traps, 17.VI-25.VII.1987-1989, leg. VOK.

CATALOGUE: South Urals [Utotchkin, 1988]: Bash-

*Xysticus ukrainicus* Utotschkin, 1968  
Figs 12-15.

*Xysticus ukrainicus* Utotschkin, 1968: 32, figs 67-71 (m).  
*Xysticus ukrainicus*: Ovtsharenko, 1979, p. 45, figs 3, 18-19 (m, f).  
*Xysticus soderbomi* non Schenkel: Pakhorukov & Utotschkin, 1977: 92, fig. 4a (f).

*Xysticus soderbomi* non Schenkel: Pakhorukov, 1978: 295, figs 69-70 (m).

MATERIAL: Middle Urals: 4m, 3f, Visim [11], meadow, sweeping, 24.VI-1.VII.1993, leg. Lokteyeva. South Urals: 1m, 3f, Iremel Mt. [13], herbage, 2.VII.1985, leg. VO; 4m, Bashkirian [16], meadows, 2-9.VI.1986, 1988, leg. VE; 1f, same locality, meadow, sweeping, 9.VIII.1986, leg. VE (as *X. soderbomi*, det. A.S. Utotschkin).

CATALOGUE: North Urals: Komi Republic [Pakhorukov & Utotschkin, 1977: *X. soderbomi*; Utotschkin, 1988: *X. s.*, 1989: *X. s.*]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988: *X. s.* + *X. ukrainicus*; Utotschkin, 1988: *X. s.* + *X. u.*].

REMARKS: The ♀ from the Komi Republic identified, described and figured by Pakhorukov & Utotschkin [1977] as well as the ♂ from the same locality described and figured by Pakhorukov [1978] as *X. soderbomi* undoubtedly belong to *X. ukrainicus*, same as a ♀ from Bashkiria misidentified by Pakhorukov & Efimik [1988] as *X. soderbomi*. Hence all records of *X. soderbomi* in the Urals are erroneous and refer in fact to *X. ukrainicus*.

## SALTICIDAE

### *Chalcositus alpicola* (L. Koch, 1876)

MATERIAL: Polar Urals: 4m, 6f, Khadyta-Yakha River [1], mossy and moss-lichen tundras, 23.VI-23.VII.1982, leg. SE. South Urals: 4f, Iremel Mt. [13], mountainous tundra, 6.VI.1981, leg. & det. ABP (as *Euophrys*).

CATALOGUE: Polar Urals: near Vorkuta [Marusik, 1991]. South Urals: montane region [Esyunin & Polyanin, 1990: *Euophrys petrensis*].

### *Dendryphantes czekanowskii* Proszynski, 1979

MATERIAL: Polar Urals: 1m, Khadyta-Yakha River [1], shrub, sweeping, 28.VI.1982, leg. SE, det. D. V. Logunov.

REMARKS: New to the Urals. The species is restricted mainly to East Siberia [Nenilin, 1985; Danilov & Logunov, 1993], while the above locality is its westernmost record.

### *Dendryphantes fusconotatus* (Grube, 1861)

MATERIAL: Polar Urals: 1m, 1f, Khadyta-Yakha River [1], wet dwarf *Betula* stand with mosses, 17-27.VII.1982, leg. SE.

CATALOGUE: North Urals: montane taiga belt [Pakhorukov, 1977: *D. thorelli*].

### *Euophrys erratica* (Walckenaer, 1825)

MATERIAL: Middle Urals: 1m, environs of Perm City [5], pine forest with green mosses, 18.VI.1989, leg. SE; 10m, 2f, Preduralie [9], spruce forest, 9.VI-19.VIII.1987-1990, leg. TIGr; 8m, 4f, Sarashi [10], pine forest, pitfall traps, 6.V-1.VI.1991, leg. VOK. 1f, Visim [11], multiherbaceous-birch forest, 16.VIII.1994, leg. S.Mazura.

CATALOGUE: Middle Urals: montane region [Esyunin, 1991; Logunov et al., 1993]. South Urals: Bashkiria [Pakhorukov & Efimik, 1988: *E. callida*], Chelyabinsk Area [Pakhorukov & Polyanin, 1987: *E. c.*; Polyanin & Pakhorukov, 1988: *E. c.*].

*Euophrys uralensis* Logunov, Cutler & Marusik 1993  
MATERIAL: South Urals: 1m, Syrtlanovo [14], stony steppe, 25.VI.1990, leg. VE, det. D. V. Logunov.

CATALOGUE: South Urals: Chelyabinsk Area [Pakhorukov, 1985: *E. maculata*, part; Esyunin & Pakhorukov, 1992: *E. sp.1*; Esyunin et al., 1993: *E. sp.*; Logunov et al., 1993].

REMARKS: This is the second record of this species originally described from the eastern macroslope of the South Urals [Logunov et al., 1993]. This new record extends the range of *E. uralensis* to the entire South Urals.

### *Evarcha michailovi* Logunov, 1992

MATERIAL: South Urals: 1m, Ilmenskii [12], shrub steppe, 3.VIII.1991, leg. Kichighina.

CATALOGUE: Middle Urals: environs of Perm [5] [Logunov, 1992]. South Urals: Troitsk [19] [Logunov, 1992].

REMARKS: This is the second record of this Ural species, all three localities indicating the eastern border of its range.

### *Heliophanus cupreus* (Walkenaer, 1802)

MATERIAL: Middle Urals: 2m, environs of Perm City [5], cherry (*Cerasus*) shrub on S slope, 17.V.1987, leg. SE; 1f, V. Kurya [5], sandy plots, herbage, 30.V.1993, leg. SE, VE & VOK; 3m, 3f, Preduralie [9], multiherbaceous meadow, herbage, 11-29.VI.1989, leg. TIGr.

CATALOGUE: Middle Urals: Sarashi [10] [Esyunin et al., 1993], Ekaterinburg Area [Shlykov, 1975]. South Urals: Orenburg Area [Kuznetsov & Koblova, 1977], Bashkiria [Pakhorukov & Efimik, 1988; Ghirfanova et al., 1992].

REMARKS: Restudy of pertinent material of *H. cupreus* from the Troitskii Reserve [Azheganova, 1951, 1968; Utotschkin & Golovashkina, 1977; Pakhorukov, 1985] shows that it belongs in fact to *H. lineiventris* Simon, 1868 [Esyunin & Pakhorukov, 1993].

### *Heliophanus dampfi* Schenkel, 1923

MATERIAL: Middle Urals: 1f, V. Kurya [5], sandy plots, herbage, 30.V.1993, leg. SE, VE & VOK; 1m, Visim [11], pine forest, 29.VI.1993, leg. Lokteyeva.

CATALOGUE: North Urals: Komi Republic [Utotschkin & Pakhorukov, 1976; Pakhorukov, 1980], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: montane region [Esyunin, 1991]. South Urals: montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Polyanin & Logunov, 1992].

### *Marpissa muscosa* (Clerck, 1758)

MATERIAL: South Urals: 3f, Syrtlanovo [14], *Ulmus* + *Acer* forest, under bark, 29.VII-9.VIII.1991, leg. VE.

REMARKS: New to the Urals. A trans-Euro-Siberian pattern [Deltshev & Blagoev, 1992].

### *Neon levis* (Simon, 1871)

MATERIAL: Middle Urals: 1f, Preduralie [9], limestone denudation, under bark, 9.VI.1993, leg. SE.

REMARKS: New to the Urals. This species is known from Europe, Middle Asia [Nenilin, 1984, 1985], and Buryatia, Siberia [Danilov & Logunov, 1993].

### *Phlegra fasciata* (Hahn, 1826)

MATERIAL: South Urals: 1m, Syrtlanovo [14], pea shrub (*Caragana*) steppe, 7.VII.1990, leg. VE; 1m, Shulgan-Tash [15], *Caragana* steppe, 22.VIII.1989, leg. VE.

CATALOGUE: South Urals: Chelyabinsk Area [Azheganova, 1951, 1968; Nenilin, 1984; Pakhorukov, 1985; Esyunin & Pakhorukov, 1992].

*Sitticus caricis* (Westring, 1861)

MATERIAL: Middle Urals: 1m, V. Kurya [5], sandy plots, pitfall traps, 11.VII-5.IX.1990, leg. VOK. South Urals: 1f, Iremel Mt. [13], *Picea* forest with green mosses, 26.VII.1990, leg. ABP.

CATALOGUE: North Urals: Komi Republic [Utotchkin & Pakhorukov, 1976; Pakhorukov, 1980], Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: montane region [Esyunin, 1991]. South Urals: Chelyabinsk Area [Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992].

*Sitticus distinguendus* (Simon, 1868)

MATERIAL: South Urals: 1m, Troitsk [19], salina, 21.VI.1992, leg. PD.

REMARKS: New to the Urals. A Euro-Baikalian temperate species ranging from West Europe to the West Sayan Mts. [Logunov, 1992].

*Sitticus dzieduszyckii* (L. Koch, 1870)

MATERIAL: Middle Urals: 1m, V. Kurya [5], kitchen-garden, 11.VI.1989, leg. VOK; 1m, 2f, Spasskaya Gora [8], limestone denudation, 27.V.1989, leg. VOK; 1f, Preduralie [9], limestone denudation, 1.VII.1983, leg. Shestakova & Khabibulina, det. D. V. Logunov. South Urals: 3f, Syrtlanovo [14], bank of Belaya River, under stones, 21.VIII.1990; 1m, 2f, Shulgan-Tash [15], bank of Nugush River, under stones, 15.VIII.1989; 3m, 4f, same locality, bank of Belaya River, under stones, 4.VIII.1989; 1m, 1f, Bashkirian [16], montane steppe, under stones, 24.VII.1986, all leg. VE.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988; *Attulus helveolus*; Ghirfanova et al., 1992].

REMARKS: The record of *Attulus helveolus* in Bashkiria by Pakhorukov & Efimik [1988] is erroneous, being applied in reality to *Sitticus dzieduszyckii*. The western macroslope of the Ural seems to be the eastern border of the range of this European species.

*Sitticus floricola* (C. L. Koch, 1837)

MATERIAL: Middle Urals: 1m, Lake Dolgoe [5], meadow bog, pitfall traps, 31.V-28.VI.1992, leg. VOK. South Urals: 1f, Syrtlanovo [14], stony bank of Belaya River, 12.VI.1990, leg. VE.

CATALOGUE: North Urals: Komi Republic [Pakhorukov, 1979; *S. littoralis*]. South Urals: Chelyabinsk Area [Azheganova, 1951; *S. l.*, 1968: *S. l.*; Esyunin & Pakhorukov, 1992].

*Sitticus penicillatus* (Simon, 1875)

MATERIAL: South Urals: 1f, Shulgan-Tash [15], montane steppe, 1.VII.1989, leg. VE.

REMARKS: New to the Urals. A trans-Eurasian temperate species [Logunov, 1992].

*Sitticus saltator* (Simon, 1868)

MATERIAL: Middle Urals: 17m, 1f, V. Kurya [5], sandy plots, pitfall traps, 30.IV-11.VII.1990, leg. VOK.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988; *Attulus*], Chelyabinsk Area [Azheganova, 1951; *A.*, 1968: *A.*; Pakhorukov, 1985: *A.*; Esyunin & Pakhorukov, 1992].

*Synageles venator* (Lucas, 1836)

MATERIAL: Middle Urals: 1m, Perm City [5], in building, 11.VI.1989, SE; 1m, 1f, environs of Perm City [5], meadow of *Calamagrostis* etc., herbage, 20.IX.1987, leg. SE; 1m, V. Kurya [5], sandy plots, pitfall traps, 9-17.VI.1990, leg. VOK; 1f, Spasskaya Gora [8], steppe of *Stipa* etc., 25.VII.1988, leg. VOK; 1f, Visim [11], meadow, sweeping, 29.VI.1993, leg. Lokteyeva.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977]. Middle Urals: montane region [Esyunin, 1991]. South Urals: Bashkiria [Pakhorukov &

Efimik, 1988; Ghirfanova et al., 1992], montane region [Esyunin & Polyanin, 1990], Chelyabinsk Area [Azheganova, 1951, 1968; Pakhorukov & Polyanin, 1987; Polyanin & Pakhorukov, 1988; Esyunin & Pakhorukov, 1992; Polyanin & Logunov, 1992].

*Talavera aequipes* (O. P.-Cambridge, 1871)

MATERIAL: Middle Urals: 1m, 1f, Spasskaya Gora [8], stony steppe and lime-birch forest, pitfall traps, 27.V-25.VII.1988, leg. VOK; 1m, 2f, Preduralie [9], limestone denudation and birch forest in steppe, 7.VIII-8.IX.1993, leg. SE & VOK.

CATALOGUE: South Urals: Bashkiria [Pakhorukov & Efimik, 1988; *Euophrys*], Chelyabinsk Area [Polyanin & Pakhorukov, 1988: *E.*; Esyunin & Pakhorukov, 1992: *E.*; Logunov et al., 1993: *E.*].

*Talavera thorelli* (Kulczynski, 1891)

MATERIAL: South Urals: 1m, Bashkirian [16], birch forest, 13.VII.1986, leg. VE.

CATALOGUE: North Urals: Ekaterinburg Area [Pakhorukov, 1977; *Euophrys*; Nenilin, 1984: unpubl.: *E.*]. Middle Urals: montane region [Esyunin, 1991: *E.*]. South Urals: Chelyabinsk Area [Logunov et al., 1993: *E.*].

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