

SUPPLEMENTARY RECORDS TO CATALOGUE OF SLOVAKIAN SPIDERS

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Abstract: According to the Catalogue of Slovakian Spiders, 892 spider species belonging to 37 families were found in the territory of Slovakia. Within the seven years since publishing of the Catalogue, first records of 17 species *Alopecosa psammophila* (Buchar, 2001); *Centromerus semiater* (L. Koch, 1879); *Clubiona kulczynskii* Lessert, 1905; *Drepanotylus uncatus* (O.P. Cambridge, 1873); *Maro lehtineni* Saaristo, 1971; *Maro lepidus* Casemir, 1961; *Maso gallicus* Simon, 1894; *Orchestina pavesii* (Simon, 1873); *Ozyptila gertschi* Kurata, 1944; *Pardosa fulvipes* (Collett, 1876); *Philodromus buchari* Kubcová, 2004; *Saaristoia abnormis* (Blackwall, 1841); *Steatoda meridionalis* (Kulczyński, 1894); *Titanoeca psammophila* Wunderlich, 1993; *Urozelotes rusticus* (L.Koch, 1872) and *Zelotes mundus* (Kulczyński, 1897) in Slovakia have been published. Faunistic data on these species and notes to their bionomy and distribution are summarised in this paper. Also findings of other three species (*Meioneta mossica* Schikora, 1993; *Phlegra bresnieri* (Lucas, 1846) and *Theridion refugum* Drensky, 1929) are first recorded in Slovakia. On the other hand, published data on 6 species *Oonops domesticus* Dalmás, 1916, *Entelecara obscura* Miller, 1971, *Lepthyphantes angulatus* (O.P.-Cambridge, 1881), *Porrhomma omissum* Miller, 1971, *Agroeca inopina* O.P.Cambridge, 1886 and *Xysticus emertoni* Keyserling, 1880 are found to be mistaken. The data on distribution of species *Sitticus distinguendus* (Simon, 1868); *Sitticus dzieduszyckii* (L. Koch, 1870) and *Talavera parvistyla* Logunov & Kronstedt, 2003 on Slovakia territory was revised.

Key words: spider fauna, Slovakia

INTRODUCTION

Spider fauna of Slovakia is very rich. According to the Catalogue of Slovakian Spiders (GAJDOŠ et al. 1999), 892 spider species belonging to 37 families were found in Slovakia (about 35 uncertain species were not included). Although this is a considerable increase of recorded spider species for such a small country as Slovakia is, additional species records have been reported every year. In total 17 species have been recorded as new to Slovak spider fauna. In this paper we summarize these records and add new first records for Slovak spider fauna. Moreover we correct some doubtful records in the Catalogue. Grid reference of the Databank of Slovak Fauna (DSF) is given for listed localities.

RESULTS

Revision

We realised revision of records in the Catalogue. Records of following 5 species from Slovakia are found to be mistaken.

Oonops domesticus Dalmás, 1916 – published by ŽITNANSKÁ (1975, 1980) and GAJDOŠ et al. (1992) - is misidentification with *Triaeris stenaspis* Simon, 1891.

Entelecara obscura Miller, 1971 - published in GAJDOŠ et al. (1999) is technical error.

Oryphantes (Lepthyphantes) angulatus (O.P. Cambridge, 1881) - Pridavka (in GAJDOŠ et al. 1999) is misidentification.

Porrhomma omissum Miller, 1971 - Růžička (in GAJDOŠ et al. 1999) – is misidentification.

Agroeca inopina O.P.Cambridge, 1886 - published by KRAJČA (1996, 1998) and KRAJČA, KRUMPÁLOVÁ (1998) is misidentification.

Xysticus emertoni Keyserling, 1880 - published by SVATOŇ (2002) is misidentification.

Systematic review of species

Oonopidae

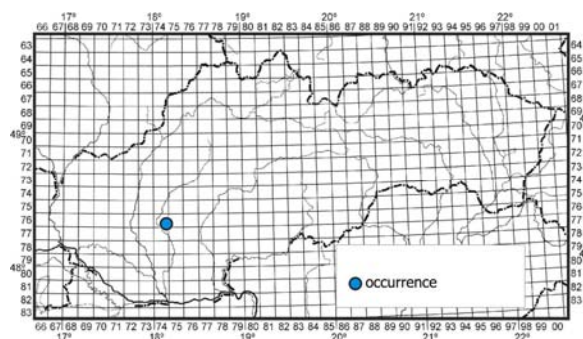
Orchestina pavesii (Simon, 1873)

Distribution: Mediterranean area - Corsica, Italy, Portugal, Spain, South France; Algeria and Canary Islands (PLATNICK 2006); Central Europe: Slovakia (in building) (PEKÁR & GAJDOŠ 2001).

Habitat: in Central Europe probably indoor, respectively in nest of birds.

Recent record of this species from Slovakia suggests that it is able to spread northwise presumably phoretically-using birds

Material from Slovakia: Žitavská pahorkatina: Nitra, indoor from a wall (7674d), 18.10.1999, 1♂, lgt. P. Gajdoš. (PEKÁR & GAJDOŠ 2001).



Obr.1 Occurrence of species *Orchestina pavesii*

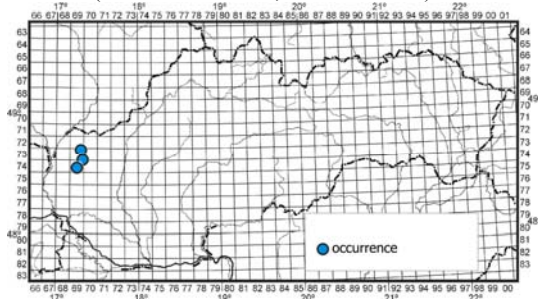
Theridiidae

Steatoda meridionalis (Kulczyński, 1894)

Distribution: Eastern Europe to Georgia (PLATNICK 2006).

Habitat: open sand dunes, pine forests on sand dunes and their edges (SVATOŇ et al. 2002).

Material from Slovakia: the Borská nížina lowland: Šajdíkove Humence (7369b), 23.4.–30.5.1999, 2♂, lgt. R. Pridavka, 20.7.–1.9.1999, 4♂, lgt. R. Pridavka; Bilkove Humence (7469a), 4.9.1999, 1♀, lgt. J. Pridavková, 16.8.–20.11.2000, 2♂, lgt. R. Pridavka; Rybník Bahno (7369d), 8.8.–20.11.2000, 1♂, lgt. R. Pridavka, 17.8.–20.11.2000, 1♂, lgt. R. Pridavka (SVATOŇ et al. 2002, PRÍDAVKA 2002).



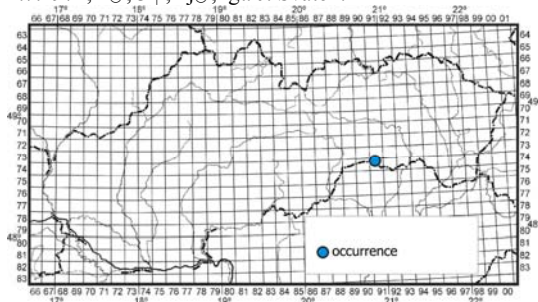
Obr.2 Occurrence of species *Steatoda meridionalis*

Theridion refugum Drensky, 1929

Distribution: Austria, Balkans, Bulgaria, Greece, Russia (PLATNICK 2006) and Slovakia

Habitat: under rocks and on low vegetation of xerothermophilous sandy and rocky biotopes, clearings in dry pine forests

Material from Slovakia: Slovenský kras carst: the Turniansky hradný vrch National Nature Reserve (7491a), 4.7.1974, 1♂, 3♀, 1j♂, lgt. J. Svatoň.



Obr.3 Occurrence of species *Theridion refugum*

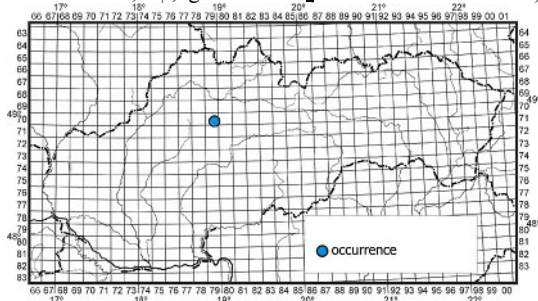
Linyphiidae

Centromerus semiatar (L. Koch, 1879)

Distribution: Palearctic (PLATNICK 2006).

Habitat: secondary pine forest

Material from Slovakia: Veľká Fatra: Žihľavná (7079d), 7.6.–7.7.1976, 1♀, lgt. J. Svatoň (SVATOŇ & GAJDOŠ 2006)



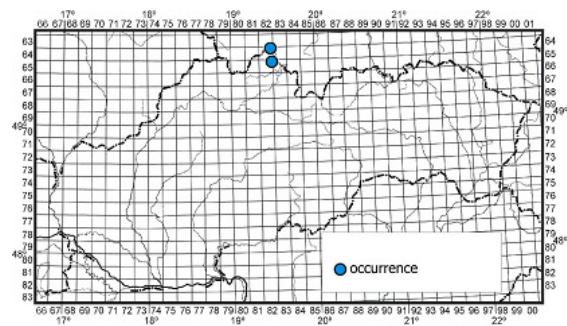
Obr.4 Occurrence of species *Centromerus semiatar*

Drepanotylus uncatus (O.P. Cambridge, 1873)

Distribution: Palearctic (PLATNICK 2006).

Habitat: peat bogs.

Material from Slovakia: Klínske rašelinisko bog (6582b), 8.5. – 10.6.2002, 1♀; Slaná voda (6482b) 4.10.2001, 1♀, lgt. J. Svatoň (SVATOŇ 2002; SVATOŇ & KOVALČIKOVÁ 2002; SVATOŇ & GAJDOŠ 2004).



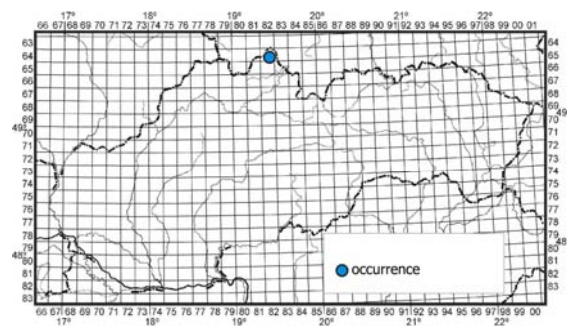
Obr.5 Occurrence of species *Drepanotylus uncatus*

Maro lehtineni Saaristo, 1971

Distribution: Europe (PLATNICK 2006).

Habitat: subalpine stony grassland, in lower altitude in wetlands and peat bogs, from moos in forests (SAARISTO 1971; HEIMER & NENTWIG 1991).

Material from Slovakia: Podbeskydská brázda: Slaná voda (6482b), 4.10.2001, 1♀, lgt. J. Svatoň (SVATOŇ 2002, SVATOŇ & KOVALČIKOVÁ 2002; SVATOŇ & GAJDOŠ 2004).



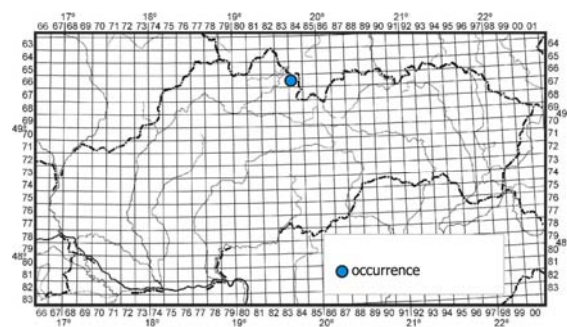
Obr.6 Occurrence of species *Maro lehtineni*

Maro lepidus Casimir, 1961

Distribution: Europe (PLATNICK 2006).

Habitat: among moss in marshy meadows, in leaf-litter and moss of moist forests and forest wetlands and from sphagnum of mountain peat bogs

Material from Slovakia: Oravská kotlina basin: National Nature Reserve Sosnina (6584d), 3.10.2001, 1♀, lgt. J. Svatoň (SVATOŇ 2002; SVATOŇ & GAJDOŠ 2004).



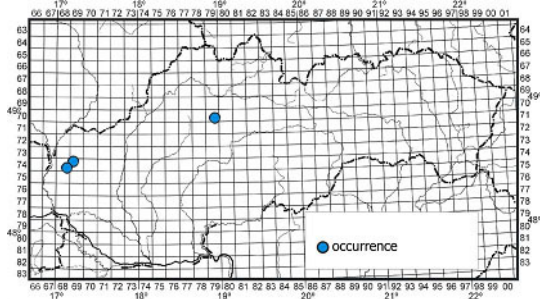
Obr.7 Occurrence of species *Maro lepidus*

Maso gallicus Simon, 1894

Distribution: Europe to Azerbaijan (PLATNICK 2006).

Habitat: moist and wet meadows, fens in grass and on lower vegetation in forests (WIEHLE 1960).

Material from Slovakia: Borská nížina lowland: Červený rybník (7469a), 26.5.2000, 3♀, 2♂, lgt. V. Jánsky, Červený rybník, 26.5.2000, 2♂, lgt. R. Pridavka, Studienka (7468d), 25.5.2000, 3♂, lgt. R. Pridavka, Veľká Fatra, Nad Mažarou (7079d), 7.7.–6.8.1976, 1♀, lgt. J. Svatoň (SVATOŇ & GAJDOŠ 2006).



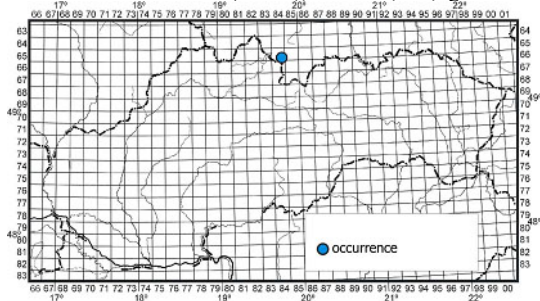
Obr.8 Occurrence of species *Maso gallicus*

Meioneta mossica Schikora, 1993

Distribution: Europe to Azerbaijan (PLATNICK 2006).

Habitat: peat-bogs.

Material from Slovakia: Oravská kotlina basin: National Nature Reserve Sosnina (6584d), 8.8.2002, 1♂, lgt. J. Svatoň.



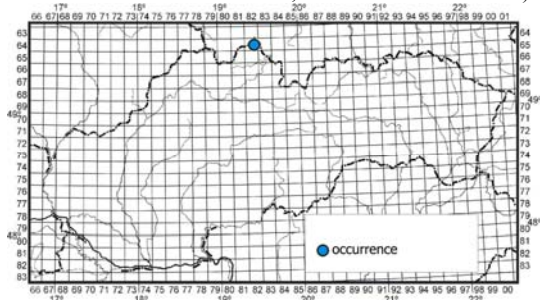
Obr.9 Occurrence of species *Meioneta mossica*

Saaristoa abnormis (Blackwall, 1841)

Distribution: Palaearctic (PLATNICK 2006).

Habitat: in variety of habitats, woodland and moorland, (dry-fresh deciduous forest with coniferous elements, moist deciduous forests, coniferous forest, mixed forest, fresh deciduous forest, forest edges, mountain corries, wetlands, raised bogs), oligotrophic grasslands, fields and gardens in moss, grass and leaf-litter (WIEHLE 1956).

Material from Slovakia: Podbeskydská brázda: Slaná voda (6482b), 6.6.–9.7.2001, 1♀, lgt. J. Svatoň (SVATOŇ 2002; SVATOŇ & KOVALČÍKOVÁ 2002; SVATOŇ & GAJDOŠ 2004).



Obr.10 Occurrence of species *Saaristoa abnormis*

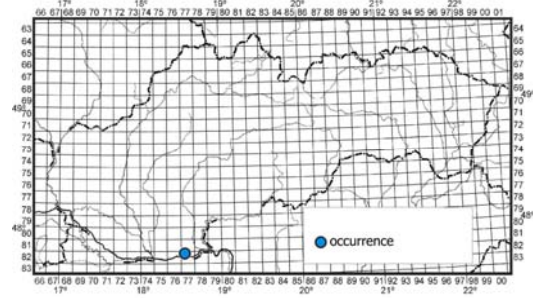
Lycosidae

Alopecosa psammophila (Buchar, 2001)

Distribution: Czech Republic, Slovakia, Hungary (PLATNICK 2006).

Habitat: sand dunes with poor vegetation (BUCHAR 2001).

Material from Slovakia: Čenkovská step National Nature Reserve (8277a), June 1962, 1♀, lgt. J. Buchar (BUCHAR 2001).



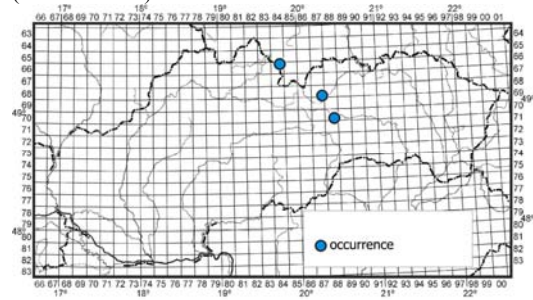
Obr.11 Occurrence of species *Alopecosa psammophila*

Pardosa fulvipes (Collett, 1876)

Distribution: Palearctic (PLATNICK 2006).

Habitat: arable land, sandy beach, meadow by sandy beach, mires (fens and bogs), mown meadow, mown grass field (KRONESTEDT 1999).

Material from Slovakia: Slovenský raj: Podlesok (7088d), 17.7.1999, 18♀, lgt. T. Kronestedt; Popradská kotlina basin: Stará Lesná (6887d), 16.7.1999, 1♀, lgt. T. Kronestedt (KRONESTEDT 1999), Oravská kotlina basin: National Nature Reserve Sosnina (6584d), 13.6.–8.8.2002, 1♀, lgt. J. Svatoň (SVATOŇ 2002).



Obr.12 Occurrence of species *Pardosa fulvipes*

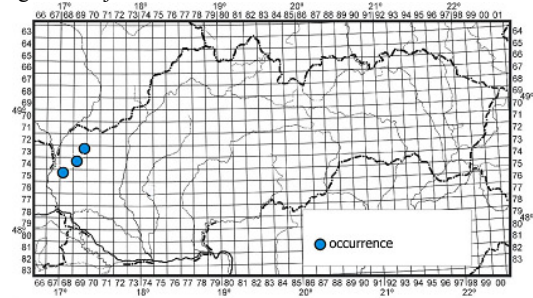
Titanoecidae

Titanoeca psammophila Wunderlich, 1993

Distribution: Central Europe (PLATNICK 2006).

Habitat: dunes without vegetation or with poor vegetation, sandy meadows.

Material from Slovakia: Šajdíkové Humence (7369b), 8.8.–20.11.2000, 1♂, lgt. R. Pridavka (PRÍDAVKA 2002), Malacky-Široké (7568a), 25.6.2002, 1♀, 3 subad.♀, 1 juv.♀, Lakšárska Nová Ves (7469a), 1.6.2003, 4♂, 29.6.2003, 8♂, 2♀, 1 juv.♂, lgt. O. Majzlan



Obr.13 Occurrence of species *Titanoeca psammophila*

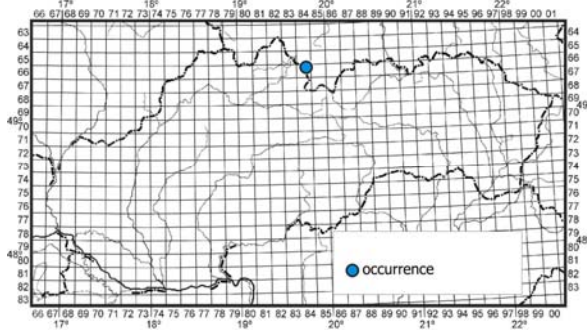
Clubionidae

Clubiona kulczyinskii Lessert, 1905

Distribution: Holarctic (PLATNICK 2006)..

Habitat: peat bogs.

Material from Slovakia: National Nature Reserve Sosnina (6584d), 8.8.2002, 1♀, lgt. J. Svatoň (SVATOŇ & GAJDOŠ 2004).



Obr.14 Occurrence of species *Clubiona kulczyinskii*

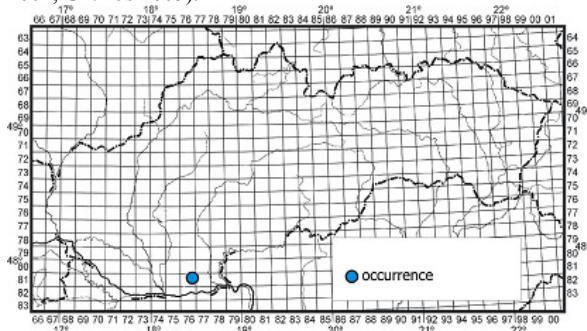
Gnaphosidae

Urozelotes rusticus (L.Koch, 1872)

Distribution: Cosmopolitan (PLATNICK 2006).

Habitat: Its bionomy is not well known. In Slovakia it was captured in detritus of fragment old willow trees situated in reed marshes.

Material from Slovakia: National Nature Reserve Parižske močiare (8176b), 4.6.–4.7. 2001, 1♂, lgt. P. Gajdoš (GAJDOŠ 2002, GAJDOŠ 2005).



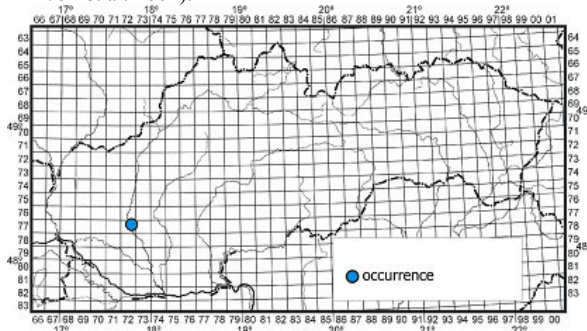
Obr.15 Occurrence of species *Urozelotes rusticus*

Zelotes mundus (Kulczyński, 1897)

Distribution: Hungary, Austria, Romania, Russia (PLATNICK 2006) and Slovakia (KRAJČA et al. 2004).

Habitat: Nickel leach dumps (KRAJČA et al. 2004).

Material from Slovakia: Sereď (7772b), 26.7.1997, 17♂+6♀, 31.8.1997, 7♂+9♀, 6.10.1997, 1♀, 31.7.1998, 4♂, KRAJČA et al. 2004).



Obr.16 Occurrence of species *Zelotes mundus*

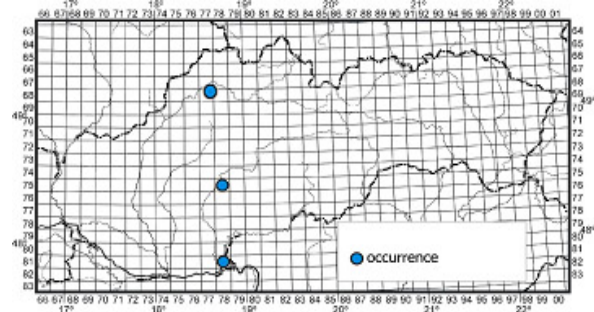
Philodromidae

Philodromus buchari Kubcová, 2004

Distribution: Europe (PLATNICK 2006).

Habitat: natural habitats, such as forest steppe on branches and leaves of *Quercus pubescens*, rarely on trunks of *Quercus* sp.

Material from Slovakia: Podzámčie (7578), 1♀, lgt. Miller, Kamenica nad Hronom, Kováčovské kopce (8178d), 10.–18.7.1972, 1♀, lgt. Buchar (KUBCOVÁ 2004), Súľovské skaly: Toránie (6877b), 17.6.2004, 1♀, lgt. J. Svatoň.



Obr.17 Occurrence of species *Philodromus buchari*

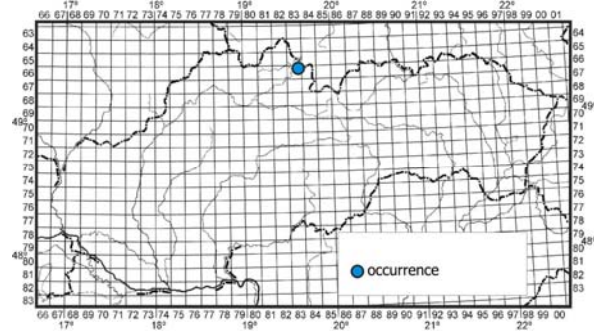
Thomisidae

Ozyptila gertschi Kurata, 1944

Distribution: Holarctic (PLATNICK 2006).

Habitat: in grass and moss of moist and wet biotopes, in wetlands and peat bogs (KUPRYJANOWICZ 1994).

Material from Slovakia: Oravská kotlina basin: Sýkorníky (6583), 8.6.–13.7.2001, 1♂, 2♀, lgt. J. Svatoň (SVATOŇ 2002).



Obr.18 Occurrence of species *Ozyptila gertschi*

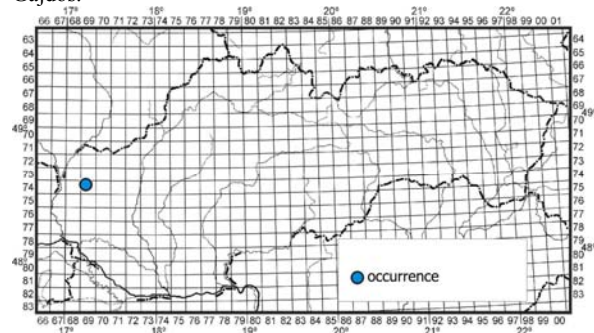
Salticidae

Phlegra bresnieri (Lucas, 1846)

Distribution: Southern Europe to Azerbaijan, Tanzania (PLATNICK 2006).

Habitat: sand dunes, xerotherm habitats with poor vegetation.

Material from Slovakia: Borská nížina lowland: Lakšárska Nová Ves (7469a), 1.6.–29.6.2003, 1♂, lgt. O. Majzlan, coll. P. Gajdoš.



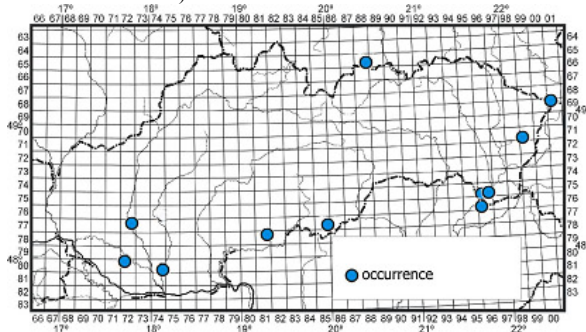
Obr.19 Occurrence of species *Phlegra bresnieri*

Sitticus distinguendus (SIMON, 1868)

Distribution: Palearctic (PLATNICK 2006).

Habitat: among spare grass on sand dune and on a spoil heap (BUCHAR & RŮŽIČKA 2002). According MILLER (1971) it occurs in gravel and stones of banks of running water stream. Our records from Nova Sedlica are from this habitat type.

Material from Slovakia: Líščie diery (8074d), sand dunes, 1♀, 22.6.2000 (GAJDOŠ & MAJZLAN 2002). In Slovakia it is given, except old records from Slovenské Nové Mesto (7596c), Streda nad Bodrogom (7696b), Somotor (7596d), Sninský kameň (9970c) and Dolný Bar (8072a) (CHYZER & KULCZYNSKI 1891, 1899), from 2 recent localities: Nová Sedlica (6901a) (GAJDOŠ et al. 1988) and Príbelce (7881b) (FRANC & HANZELOVÁ 1997), Breach of Dunajec River (Prielom Dunajca) (6588d) (SVATOŇ 1990), National Nature Reserve Pohanský hrad (7785d) (FRANZ & HANZELOVÁ 1995), Sereď – nickel leach dumps (7772b), Sereď - fragments of meadows near Nickel leach dumps (7772b) (KRAJČA 1996, 1998; KRAJČA & KRUMPÁLOVÁ 1998).



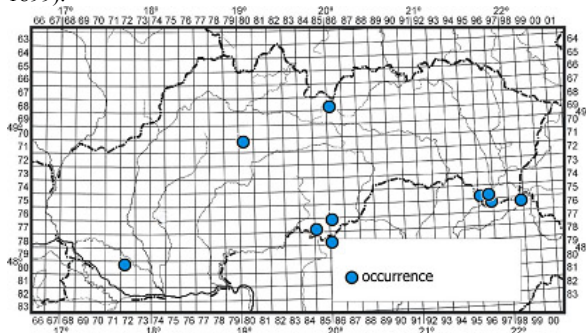
Obr.20 Occurrence of species *Sitticus distinguendus*

Sitticus dzieduszyckii (L. Koch, 1870)

Distribution: Europe, Russia (PLATNICK 2006).

Habitat: sand, rock, rock steppe (BUCHAR & RŮŽIČKA 2002).

Material from Slovakia: Nature Reserve Padva (7180a), 15.6.1974, 2♀, lgt. Svatoň; Teplý vrch near Tachty (7885d), 5.6.1990, 1♀; Belina (7785c), 5.4.1995, 1♂ (FRANC & HANZELOVÁ 1997); Teplý vrch near Tachty (7885d), 1♂, 9.6.1990, 1♀, lgt. Chvátalová; Tachty, hill opposite of Teplý vrch – hill, margin of field road (7885d), 5.6.1990 1♀, lgt. Zbytek, 5.6.1990, 1♂, 2♀, lgt. Buchar; Surice, near Protected Nature Area Soví hrad (7785d) (FRANZ & HANZELOVÁ 1995); Gemerské Dechtáre (7786a) (FRANZ & HANZELOVÁ 1995); Štrbské pleso (6886c) (HERMAN 1879); Nová Baňa (7577d) (DUDICH et al. 1940); Slovenské Nové Mesto (7596c), Streda nad Bodrogom (7696b), Somotor (7596d), Veľké Trakany (7698b) and Dolný Bar (8072a) (CHYZER & KULCZYNSKI 1891, 1899).



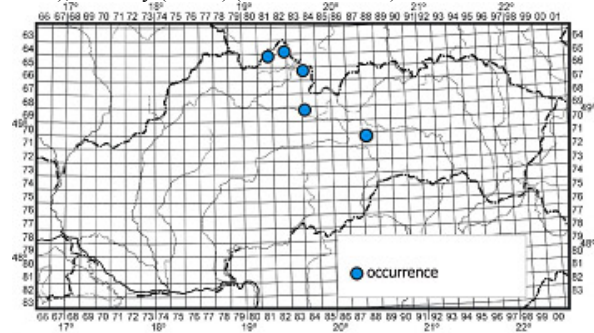
Obr.22 Occurrence of species *Sitticus dzieduszyckii*

Talavera parvistyla Logunov & Kronstedt, 2003
Euophrys westringi Miller, 1971: 139, pl. XX, f. 16 (Sm, misidentified) (PLATNICK 2006).

Distribution: Czech Republic (Šumava Mts.), Finland, Poland, Sweden, Slovakia (LOGUNOV & KRONESTEDT, 2003).

Habitat: wetlands, peat bogs (LOGUNOV & KRONESTEDT 2003)

Material from Slovakia: Liptovská kotlina basin: NR Švihrová, 9.8.1995, 3♂, lgt. J. Svatoň; Podbeskydská brázda: Nature Reserve Beňadovské rašelinisko bog, 8.6.2001, 1♀, lgt. M. Babnič; Oravská kotlina basin: National Nature Reserve Klinské rašelinisko bog, 8.7.–27.8.2001, 1♂; 8.5.2002, 1♂; 10.6.–7.8.2002, 2♀; 7.8.–30.9.2002, 1♂, lgt. J. Svatoň; Slaná voda, 12.6.–6.8.2002, 1♂, 1♀, lgt. J. Svatoň. (LOGUNOV & KRONESTEDT 2003, SVATOŇ 2002, SVATOŇ & KOVALČIKOVÁ 2002); Dedinky (7188a) (ŽITŇANSKÁ1988).



Obr.23 Occurrence of species *Talavera parvistyla*

CONCLUSION

During the last seven years from publishing of the Catalogue of Slovakian Spiders (GAJDOŠ et al. 1999), totally 20 species have been recorded as new to Slovakia. Revision and redetermination of some species brings omitting of 6 species from the Catalogue. According Check list of spider of Central Europe (BLICK et al. 2004) 904 species are listed from Slovakia. Current number of spider species recorded in Slovakia is 907.

Faunistic data on occurrence of *Sitticus distinguendus*, *Sitticus dzieduszyckii* and *Talavera parvistyla* in Slovakia are corrected.

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