

A check-list of spiders (Arachnida Aranei) from Sakhalin and Kurile Islands

Список пауков (Arachnida Aranei) Сахалина и Курильских островов.

Yu.M.Marusik*, K.Yu.Eskov**, D.V.Logunov***, A.M.Basarukin****
Ю.М.Марусик*, К.Ю.Еськов**, Д.В.Логунов***, А.М.Басарукин****

* Institute for Biological Problems of the North Russian Academy of Sciences, K.Marx Prospekt 24, Magadan 685010. Russia.

** Институт Биологических Проблем Севера ДВО РАН, пр. К.Маркса 24, Магадан 685010. Россия.

*** Palaeontological Institute Russian Academy of Sciences, Profsoyuznaya Str., 123, Moscow 117321. Russia.

**** Палеонтологический Институт РАН, Профсоюзная ул., д. 123, Москва 117321. Россия.

*** Zoological Museum of the Biological Institute Russian Academy of Sciences, Frunze Str. 11, Novosibirsk 630091. Russia.

**** Зоологический Музей Биологического Института СО РАН, ул. Фрунзе 11, Новосибирск 630091. Россия.

*** K.Marx Str. 25/6, Yuzhno-Sakhalinsk 693000 Russia.

**** ул. К.Маркса 25. кв. 6, Южно-Сахалинск 693000. Россия.

ABSTRACT: A check-list of spiders based on personal and literature data from Sakhalin and Kurile Islands is presented. 403 have been found there. Distribution records within Sakhalin (districts) and Kurile Islands are given. Dubious species recorded by Japanese authors (1924-1937) are listed separately with some comments. Twelve new synonyms, new combinations and new nominations are proposed. Several previous misidentifications in the Far Eastern linyphiids are corrected.

РЕЗЮМЕ: Приведен список пауков Сахалина и Курильских островов. С учетом собственных и литературных данных, на островах отмечено 403 вида. Для каждого вида указано распространение в пределах региона по районам (для Сахалина) и островам (для Курил). Перечислены виды, отмеченные японскими авторами (1924-1937), заведомо неверно определенные и/или таксономическое положение которых неясно. Предложено двенадцать новых синонимов, новых комбинаций и новых названий, замещающих преокупированные. Исправлено несколько прошлых ошибочных идентификаций дальневосточных линьфиид.

The spider fauna of the Russian Far East has been one of the least explored in the ex-USSR, and Sakhalin Area (Sakhalin and Kurile Islands) is the most poorly studied region with respect to spiders within the entire Far East. First arachnological collections in this area were made only in the beginning of the XX century [Strand, 1907].

Until the mid-80th all informations on the spider fauna of Sakhalin Area were scattered in a few papers, mainly published by Japanese araneologists in 1924-37 [Kishida, 1924; Peelle, Saito, 1932a, 1932b; Saito, 1932a, b, 1933, 1934, 1935a, b, c; Nakatsudi, 1937].

References on all species were summarized in a Japanese check-list of spiders made by Yaginuma [1977].

Recently, several more works, with references to some species and genera from Sakhalin and Kurile Islands, have been issued, with pronounced participation of Russian authors: Dunin, 1984a, b,; Eskov, 1988a, b, c, 1989, 1990, 1991a, b, c, d, 1992a; Eskov, Marusik 1991a, 1992a, b; Marusik, 1989; Tanasevitch, 1987, 1988, 1992; Mikhailov, 1990, 1991, 1992, Ono et al, 1990, etc.

The lack of a special publication on the entire spider fauna was caused by the absence of collections. Until recently, in the Zoological Institute of St.Petersburg only a small material (about 20 specimens), collected in the 40s and housed in 1982, was available. The situation changed only since 1978, when A.M.Basarukin started intensive and extensive collections of arachnids on Sakhalin and Kurile Islands. This paper is mainly (90%) based on his material. Beside this, collections of the Zoological Museum of the Biological Institute, Novosibirsk, made in 1989, have been incorporated.

To sum of all literature references and original data on spiders of Sakhalin Area is the main goal of this work. The results are shown in a check-list, with notes on the distribution of species within Sakhalin Area. Dubious and incorrect identification records are listed in the end of the check-list. The total number of species found amounts to 357.

Families are listed in the order accepted in the last spider catalogue published by Platnick [1989].

All materials determined have been shared between the collections of the Zoological Institute of St.Petersburg, Zoological Museum of the Moscow State University (Moscow), the Biological Institute (Novosibirsk), and the Institute for Biological Problems of the North (Magadan).

Several abbreviations for Islands and Districts have been used: SAK - Sakhalin, MON - Moneron, KUN - Kunashir, SHI - Shikotan, ITU - Iturup, URU - Urup, PAR - Paramushir, SHU - Shumshu; Sakhalin districts: AN - Aniva, AS - Alexandrovsk-Sakhalinski, DO - Dolinsk, KH - Kholmsk, KO - Korsakov, MA - Makarov, NE - Nevelsk, NO - Nogliki, OK - Okha, PO - Poronaisk, SM - Smirnykh, TO - Tomari, TY - Tymovsk, UG - Uglegorsk (see Map). Asterisk (*) means that at a certain locality (island or district) the species was recorded earlier, and due references are given.

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The following new synonyms, new combinations and new nominations should be proposed:

1. *Bathypantes insulanus* Holm, 1960 = *B.castor* Chamberlin, 1925 = *B.pogonias* Kulczynski, 1885, syn.n.

2. *Bathypantes orientis* Oi, 1960 = *B.pusio* Kulczynski, 1885 = *B.gracilis* (Blackwall, 1841), syn.n. All the above species seem to be but colour morphs of a single species, i.e. *B.gracilis* by priority.

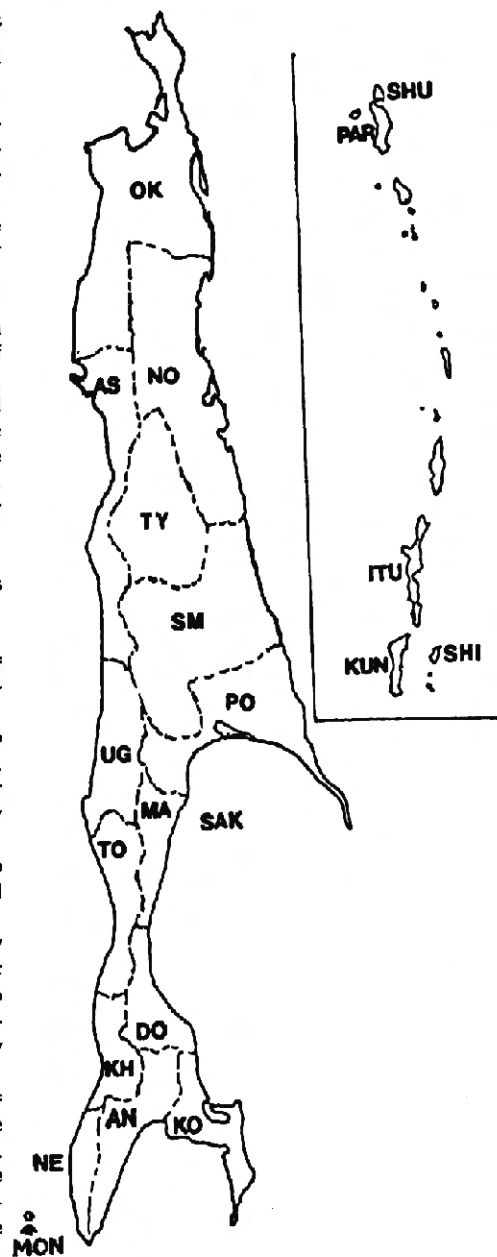
3. *Ceratinopsis okholensis* Eskov, nom.n. pro *Ceratinopsis orientalis* Eskov, 1986 (preoccupied by *C.orientalis* Locket, 1982).

4. The generic name *Conothorax*, established by Eskov & Marusik, [1992a] to replace *Conithorax* Eskov, 1988 (preoccupied in Diptera), appears to be preoccupied as well. A new nomination, *Conithorax* Eskov, nom.n. pro *Conithorax* Eskov (preoccupied) is proposed herein.

5. *Erigone sollers* O.P.-Cambridge, 1873 = *Walckenaeria vigilax* (Blackwall, 1853), syn.n. The type of *E.sollers* (HECO: 649/45) has been revised.

6. *Holminaria obscura* Eskov, 1991 = *Erigone prolata* O.P.-Cambridge, 1873, syn.n., = *Holminaria prolata* (O.P.-Cambridge), comb.n. The type of *E.prolata* (HECO: 644/32) has been revised.

7. *Hybauchenidium mongolensis* Heimer, 1987 = *Oedothorax mongolensis* (Heimer), comb.n. The latter nomination has already been used by Eskov [1992b], but the new combination has not been formalized.



Map 1. Localities on Sakhalin and Kurile Islands. Explanations see in the text.

Карта 1. Местонахождения пауков на Сахалине и Курильских о-вах. Объяснения см. в тексте.

8. The synonymy of *Kaestneria anceps* (Kulczynski, 1885) under *K. pullata* (O.P.-Cambridge, 1863), proposed by Kulczynski [1926], was not accepted by subsequent investigators (i.e. Ivie, 1969; Eskov, 1992c). However, now we prefer to support Kulczynski's [1926] synonymy, considering both species but as colour morphs of a single species, i.e. *B. pullata* by priority.

9. *Labula chikunii* Oi, 1980 = *L. insularis* (S. Saito, 1935), syn.n. *Lepthyphantes insularis* S. Saito has been transferred into *Labula* by Tanasevitch & Eskov [1987]; *Labula contortipes chikunii* Oi was elevated to full species rank by Eskov [1992c].

10. *W. holmi* (Millidge, 1984) is distinguished from *W. karpinskii* (O.P.-Cambridge, 1873) only by the shape of the terminal portion of the male palpal tibia's inner branch. Basing on copious materials from Siberia and the Far East, numerous intermediate forms were recently found. So, we consider now *W. holmi* as junior synonym of *W. karpinskii*, syn.n.

Check-list

Family Uloboridae

Octonoba yesoensis (Saito, 1934) - SAK: DO*, KO [Marusik, 1989].

Uloborus walckenaerius Latreille, 1806 - SAK: AN.

Family Nesticidae

Howaia brevipes (Yaginuma, 1970) - KUN, ITU.

Family Theridiidae

Achaearanea riparia (Blackwall, 1834) - SAK: DO.

A. tepidariorum (C.L.Koch, 1841) - SAK*: AN, DO. KUN [Yaginuma, 1977].

A. cf. tepidariorum (C.L.Koch, 1841) - SAK: MA, KH.

Achaearanea sp. - SAK: MA. KUN.

Argyrodes saganus (Donitz & Strand, 1906) - SAK: KO*, TO*, UG. KUN [Marusik, 1989].

Argyrodes sp. - SAK: AN.

Dipoena mustelina (Simon, 1889) - SAK: AN, AS, KO, OK, PO. KUN.

Dipoena sp. - SAK: AN, KO, TO. KUN.

Enoplognatha margarita Yaginuma, 1964 - SAK*: AN, AS, DO, KO, MA, UG, KH [Marusik, 1989].

E. tecta (Keyserling, 1884) - SAK*: AN, AS, DO,

KO, NO, TO, UG, KH. KUN*, ITU, PAR, SHU [Marusik, 1989].

Episinus kitazawai Yaginuma, 1958 - KUN.

Episinus sp. - KUN.

Robertus lividus (Blackwall, 1836) - SAK: OK. PAR, SHU.

R. unguatus Vogelsanger, 1944 - SAK: AN, PO.

Sleatoda albomaculata (De Geer, 1778) - SAK: TY.

S. bipunctata (Linnaeus, 1758) - SAK: OK, PO, SM.

S. castanea (Clerck, 1758) - SAK: AN.

Theridion bimaculatum (Linnaeus, 1758) - SAK*: AN, DO, KO. KUN [Saito, 1934: as *T. nivalium*].

Theridion cf. lyricum Walckenaer, 1841 - SAK: AN, AS. KUN.

T. montanum Emerton, 1882 - SAK: AS.

T. ohlerti Thorell, 1870 - SAK: OK.

T. rapulum Yaginuma, 1960 - SAK: AN. KUN.

T. subadultum Bösenberg & Strand, 1906 - ITU* [Bosenberg, Strand, 1906].

T. cf. tinctum (Walckenaer, 1802) - SAK: AN.

T. varians Hahn, 1933 - SAK: AN, OK.

T. yunohamense Bösenberg & Strand, 1906 - SAK: AS. KUN.

Theridion sp.1 - KUN.

Theridion sp.2 - SAK: AN.

Thymoites sp. - SAK: OK.

Theridiidae gen.sp. - SAK: KH.

Family Theridiosomatidae

Theridiosoma epeiroides Bösenberg & Strand, 1906 - SAK: TO. KUN* [Marusik, 1989].

Family Linyphiidae

Agyneta beata (O.Pickard-Cambridge, 1906) - SAK: OK.

A. birulai (Kulczynski, 1908) - SK: OK.

A. nigra (Oi, 1960) - SAK: DO.

A. olivacea (Emerton, 1882) - SAK: AN*, AS, KO, MA, OK, TO*, TY [Eskov, 1992c].

A. similis (Kulczynski, 1926) - SAK: OK, DO. ITU*, PAR* [Eskov, 1992c].

A. trifurcata (Hippa & Oksala, 1985) - SAK: OK.

Allomengea dentiselis (Grube, 1861) - SAK: AN, MA. KUN, ITU.

A. scopigera (Grube, 1859) - SHU.

Aprifrontalia mascula (Karsch, 1879) - SAK: AN.

Asperthorax communis Oi, 1960 - SAK: AN, NO, TO*. MON. KUN*, ITU [Eskov, 1992c].

B. eumenis (L.Koch, 1879) - SAK: MA, OK, PO*

[Eskov, 1992c].

B. gracilis (Blackwall, 1841) - SAK: AN* [Eskov, 1992c].

B. gulkana Ivie, 1969 - SAK: AS, MA, OK, TO* [Eskov, 1992c].

B. humilis (L.Koch, 1879) - SAK: AS, NO.

B. jenseicus Eskov, 1879 - SAK: TO* [Eskov, 1988a, 1992c].

B. pogonias Kulczynski, 1885 - SAK: AN*, DO*, KO, MA*, NO, OK, SM, TO*. KUN*, ITU*, PAR*, SHU* [Eskov, 1992c].

B. setiger (O.P.-Cambridge, 1894) - SAK: AS, OK, TO*. SHU [Eskov, 1992c].

Bolyphantes alticeps (Sundevall, 1829) - SAK: AN, NO, OK. SHU* [Eskov, 1992c].

Centromerus pacificus Eskov & Marusik, 1992 - SAK: OK*, PO* [Eskov, 1992c: as *C. clarus*; Eskov, Marusik, 1992b].

C. terrigenus Yaginuma, 1972 - SAK: AN*, DO*, KO*, OK*, PO*, TO*. MON. ITU*, KUN* [Eskov, Marusik, 1992b].

C. sylvaticus (Blackwall, 1841) - SAK: AN*, DO*, OK*. ITU, SHU* [Eskov, 1992c; Eskov, Marusik, 1992b].

Ceraticelus orientalis Eskov, 1987 - SAK: OK.

C. sibiricus Eskov, 1987 - SAK: OK.

Ceratinella brevis Wider, 1834 - SAK: AN.

C. rosea Oligier, 1985 - SAK: OK* [Eskov, 1992c].

Cnephalocotes obscurus (Blackwall, 1834) - SAK: PO* [Eskov, 1992c].

Collinsia japonica (Oi, 1964) - SAK: AN, MA*, NO, TO*. ITU* [Eskov, 1990, 1992c].

C. sakhalinensis Eskov, 1990 - SAK: AN*, DO*, TO*. ITU* [Eskov, 1990, 1992c].

Concavocephalus rubens Eskov, 1989 - SAK: OK*, PO* [Eskov, 1989, 1992c].

Dactylopiastes video (Chamberlin et Ivie, 1947) - SAK: KO, OK. SHU* [Eskov, 1992c].

Dicymbium libidinosum (Kulczynski, 1926) - SAK: OK*, PO* [Eskov, 1992c].

Diplocephala bidentata (Emerton, 1882) - SAK: OK. PAR*, SHU* [Eskov, 1992c].

Diplocephala subrostratus (O.P.-Cambridge, 1873) - SAK: MA. PO*. SHU* [Eskov, 1992c].

Dismodicus alticeps Chamberlin & Ivie, 1947 - SAK: PO*. PAR*, SHU* [Eskov, 1992c: as *D. bifrons*].

Drapetisca socialis (Sundevall, 1832) - SAK: AN.

Drepanotylus borealis Holm, 1945 - SAK: NO.

Eboria angulata Holm, 1963 - SAK: OK* [Eskov, 1992c].

Entelecara sombra (Chamberlin & Ivie, 1947).

- SAK: AN, DO, OK.

Erigone arctica sibirica Kulczynski, 1908 - PAR*, SHU* [Eskov, 1992c].

E. atra Blackwall, 1833 - SAK: AN*, AS, DO*, KO, MA, PO, TO*. KUN*, ITU, PAR*. [Eskov, 1992c].

E. changchunensis Zhu & Wen, 1980 - SAK: AS, OK.

E. dentigera O.P.-Cambridge, 1874 - SAK: AS.

E. hypoarctica Eskov, 1989 - SAK: OK.

E. similis Keyserling, 1886 - SAK: OK. PAR*, SHU* [Eskov, 1992c].

Erigonidium graminicola (Sundevall, 1829) - SAK: AS, MA, OK, TO* [Eskov, 1992c].

Estrandia grandeva (Keyserling, 1886) - SAK: OK* [Eskov, 1992c].

Floronia bucculenta (Clerck, 1757) - SAK: AN* [Eskov, 1992c].

Glyphesis asiaticus Eskov, 1989 - SAK: PO* [Eskov, 1992c].

Gnathonarium dentatum (Wider, 1834) - SAK: AN*, AS, KO*, MA, OK*, TO*. MON. KUN*, ITU*, PAR* [Eskov, 1992c].

G. suppositum (Kulczynski, 1885) - SAK: OK. SHU*, PAR* [Eskov, 1992c].

G. taczanowskii (O.P.-Cambridge, 1873) - SAK: PO* [Eskov, 1992c].

Gonatum hilare (Thorell, 1875) - SAK: KO*, MA* [Eskov, 1992c].

G. nipponicum Millidge, 1981 - SAK: AN*, SM*, KUN*, ITU [Eskov, 1992c].

G. pacificus Eskov, 1986 - SAK: NO.

G. rubens (Blackwall, 1833) - SAK: AN, KO, NO, OK.

Gongylidiellum vivum (O.P.-Cambridge, 1875) - SAK: AS, KH.

Helophora insignis (Blackwall, 1841) - SAK: AN*, DO*, KH*, KO, MA, NO, OK, SM. SHU [Saito, 1935b, Eskov, 1992c].

Herbiphantes pratensis Tanasevitch, 1992 - SAK: AN* [Tanasevitch, 1992].

Hilaira herniosa Thorell, 1872 - SHU.

H. leviceps (L.Koch, 1879) - SHU* [Eskov, 1992c].

Holminaria prolata (O.P.-Cambridge, 1873) - SAK: PO* [Eskov, 1991c].

Hylyphantes nigrinus (Simon, 1881) - SAK: AN*, KO, NO. KUN*, ITU* [Eskov, 1992c].

Hypomma affinis Schenkel, 1930 - SAK: AS, DO, KH, KO, OK, TO*. KUN*, ITU*, PAR* [Eskov, 1988a and 1992c: as *H. bituberculata* and *H. cornuta*].

H. bituberculata (Wider, 1834). MON.

Hypselistes semiflaous (L.Koch, 1879) - SHU* [Eskov, 1992c: as *H. jacksoni*].

Hypselistes sp. - SAK: AN*, AS, KH*, KO*, MA,

- OK*, TO. [Eskov, 1992c: as *H.jacksoni* and *H.semiflavus*].
Kaestneria pullata (O.P.-Cambridge, 1863) - SAK: AS, DO, OK, PO*, SM, TO*, UG. MON. ITU*, KUN*, SHU* [Eskov, 1992c].
Lasiargus laricetorum Eskov, 1986. SAK: OK.
Labulla insularis (S.Saito, 1935) - SAK: AN*, MON* [Saito, 1935a,b; Eskov, 1992c].
Lepthyphantes abiscoensis Holm, 1939 - SAK: PO* [Eskov, 1992c].
Lalacris (Blackwall, 1853) - SAK: AN*, OK* [Tanasevitch, 1988].
L.ateripes Tanasevitch, 1986 - SAK: AN*, DO, NO, OK*. KUN* [Tanasevitch, 1988; Eskov, 1992c].
L.cognatus Tanasevitch, 1992 - SAK: AN, DO*, MA*, OK*, PO* [Tanasevitch, 1988: as *L.angulatus*; Eskov, 1992c: as *L.bipilis*; Tanasevitch, 1992].
L.curvus Tanasevitch, 1992 - SAK: AN*, PO* [Tanasevitch, 1992].
L.dybowskii (O.P.-Cambridge, 1873) - SAK: AN. SHU* [Eskov, 1992c].
L.expunctus (O.P.-Cambridge, 1875) - SAK: OK.
L.karpinskii (O.P.-Cambridge, 1873) - SAK: AN*, OK*, PO* [Saito, 1935b: as *L.angulipalpis*; Tanasevitch, 1988; Eskov, 1992c].
L.kochiellus Strand, 1901 - SAK: OK*, PO [Tanasevitch, 1988].
L.mengei Kulczynski, 1887 - SAK: AN*, NO, OK [Saito, 1935b].
L.nebulosus (Sundevall, 1829) - SAK: AN*. ITU [Saito, 1935: as *L.collinus*; Tanasevitch, 1988].
L.nigriventris (L.Koch, 1879) - SAK: AN, DO, OK. ITU, PAR* [Eskov, 1992c].
L.sakhalinensis Tanasevitch, 1987 - SAK: AN*, OK. KUN* [Tanasevitch, 1987, 1988].
L.suffusus Strand, 1901 - SAK: OK* [Tanasevitch, 1988].
L.taczanowskii (O.P.-Cambridge, 1873) - SAK: OK*, PO*, SM [Tanasevitch, 1988; Eskov, 1992c].
Leptorhoptrum robustum (Westring, 1851) - SAK: AN*, AS, TO*. ITU, PAR [Eskov, 1992c].
Lophomma cognatum Holm, 1960 - SAK: AN.
Macrargus multissimus (O.P.-Cambridge, 1875) - SAK: OK, PO* [Eskov, 1992c].
Maro borealis Eskov, 1991 - SAK: TO* [Eskov, 1991a].
M.flavescens (O.P.-Cambridge, 1873) - SAK: AS, NO, OK*, PO* [Eskov, 1991a,d].
M.saaristoi Eskov, 1980 - SAK: OK.
M.sibiricus Eskov, 1980 - SAK: OK*. SHU* [Eskov, 1991a,d].
Maso sundevalli (Westring, 1851) - SAK: AN*, OK*, PO*. ITU, SHU* [Eskov, 1992c].
Mecynargus paetulus (O.P.-Cambridge, 1875) - SHU* [Eskov, 1992c].
Micrargus herbigradus (Blackwall, 1854) - SAK: AN, OK*, PO*. PAR [Eskov, 1992c].
Microlinyphia impigra (O.P.-Cambridge, 1871) - SAK: AN*. KUN* [Saito, 1935b: as *Linyphia circumspecta* (Blackwall); Eskov, 1992c].
M.pusilla (Sundevall, 1829) - SK: AN*, OK [Saito, 1935b].
Microneta viaria (Blackwall, 1854) - SAK: AN*, AS, KO*, PO*, OK* [Eskov, 1992c].
Minicia exarmata Eskov, 1989 - SAK: OK.
Minyrioloides trijrons (O.P.-Cambridge, 1863) - SAK: AN*, AS, DO, KH, KO, OK, SM*, TO* [Eskov, 1992c].
Minyriolus pusillus (Wider, 1834) - KUN* [Eskov, 1992c].
Nenilinium asiaticum Eskov, 1988 - SAK: OK, PO* [Eskov, 1992c].
Neriene albolimbatata (Karsch, 1879) - SAK: AN* [Eskov, 1992c].
N.angulifera (Schenkel, 1953) - SAK: TO*. KUN*, ITU* [Eskov, 1992c].
N.clathrata (Sundevall, 1829). MON.
N.coosa (Gertsch, 1951) - SAK: AN.
N.emphana (Walckenaer, 1841) - SAK: AN*, DO, KH*, KO, MA*. KUN*, ITU* [Peele, Saito, 1932b: as *Linyphia yonomachaensis*; Saito, 1935b; Eskov, 1992c].
N.japonica (Oi, 1960) - KUN* [Eskov, 1992c].
N.radiata (Walckenaer, 1841) - SAK: AN*, KH, KO*. KUN*, ITU* [Peele, Saito, 1932a; Eskov, 1992c].
Neserigone basarukini Eskov, 1992 - SAK: AN*, DO, KH, MA*, TO*. MON. KUN*, ITU* [Eskov, 1992a].
Nippononeia kurilensis Eskov, 1992 - SAK: AN. KUN* [Eskov, 1992a].
Oedothorax hulongensis Zhu et Wen, 1980 - SAK: AN* [Eskov, 1992c].
Oia imadatei (Oi, 1964) - SAK: AN*, KO*, OK. KUN* [Eskov, 1992c].
Oreonetides beringianus Eskov, 1991, - SAK: PO.
O.helsingeni Eskov, 1984 - SAK: AS.
O.lingualis H.Saito, 1978 - KUN* [Eskov, 1991a,d].
O.vaginatus (Thorell, 1972)- PAR* (Eskov, 1991a,d).
Panamomops tauricornis (Simon, 1881) - SAK: NO.
Paraeboria jeniseica (Eskov, 1981) - SAK: AS.
Parasis amurensis Eskov, 1984 - SAK: AS.
Parawubanoidea unicornis (O.P.-Cambridge,

- 1873) - SAK: OK.
Phlattoirata parva (Kulczynski, 1926) - SHU* [Eskov, 1992c].
Pityohyphantes phrygianus (C.L.Koch, 1836) - SAK: AS, OK.
Pocadicnemis pumila (Blackwall, 1841) - SAK: AN* [Eskov, 1992c].
Porrhomma pallida Jackson, 1913 - SAK: AN*, AS [Eskov, 1992c].
P.pygmaea (Blackwall, 1841) - SAK: AN*, OK*, TO* [Eskov, 1992c].
Praestigia kulczynskii Eskov, 1979 - SAK: AN*, AS, DO, KH, KO*. KUN*, PAR* [Eskov, 1992c].
P.pini (Holm, 1950) - SAK: TO* [Eskov, 1992c].
Pseudowubana waga (O.P.-Cambridge, 1873) - SAK: PO*, SM* [Eskov, 1992c].
Saloca strandi (Sytshevskaja, 1935) - SAK: OK, PO* [Eskov, 1992c].
Savignia basarukini Eskov, 1988 - SAK: AN*, OK*, PO* [Eskov, 1988, 1992c].
S.birostrum (Chamberlin & Ivie, 1947) - SAK: PO* [Eskov, 1991b,d].
S.pseudofrontata Paik, 1978 - SAK: OK.
S.saitoi Eskov, 1988 - SAK: AN*, KH, KO*, OK*, PO*. KUN*, ITU [Eskov, 1988, 1992c].
Scotinotylus levii Marusik, 1988 - SAK: PO* [Eskov, 1992c].
S.millidgei Eskov, 1986 - SAK: DO, PO.
Scotinotylus sp. - SAK: SM* [Eskov, 1992c: as *S.gracilis*].
Silometopus reussi (Thorell, 1871) - SAK: NO.
Stemonyphantes lineatus sibiricus (Grube, 1861) - SAK: OK*, PO*, TO. SHU* [Eskov, 1992c].
Strandella pargongensis (Paik, 1965) - SAK: AS. KUN* [Eskov, 1992c].
Tallusia experta (O.P.-Cambridge, 1871) - SAK: TO* [Eskov, 1988a; 1992c].
Tapinocyba kolymensis Eskov, 1989 - SAK: OK.
Tapinocyboides pygmaeus (Menge, 1869) - SAK: OK* [Eskov, 1992c].
Thyreostenius parasiticus (Westring, 1851) - SAK: PO*. KUN* [Eskov, 1992c].
Tibioploides arcuatus (Tullgren, 1955) - SAK: AN*, MA, PO*. KUN* [Eskov, 1992c].
T.kurenstchikovi Eskov & Marusik, 1991 - SAK: KO.
T.pacificus Eskov & Marusik, 1991 - SAK: MA, OK*, PO*, TO* [Eskov, Marusik, 1991a].
Tibioplus diversus (L.Koch, 1879) - SAK: AS, OK*, PO [Eskov, 1992c].
Tiso aestivus (L.Koch, 1879) - SAK: OK. ITU*, PAR*, SHU* [Eskov, 1992c].
Tmeticus japonicus Oi, 1960 - SAK: AN*, AS,

- DO*, KH*, KO*, MA*, NO, PO*, OK*, SM*, TO*, TY, UG. KUN*, ITU*, PAR* [Eskov, 1992c].
T.tolli Kulczynski, 1908 - SAK: AN*, AS, OK*, PO, TO* [Eskov, 1992c].
Trichoncus hyperboreus Eskov, 1992 - SAK: PO* [Eskov, 1992a].
Tubercithorax furcifer Eskov, 1988 - SAK: OK* [Eskov, 1988c].
Tunagyna debilis (Banks, 1892) - PAR*, SHU* [Eskov, 1992c; Eskov, Marusik, 1991b].
Ummeliata angulitubera (Oi, 1960) - SAK: AN*, AS, DO*, TO*, KH*. MON. KUN*, ITU* [Eskov, 1992c].
U.osakaensis (Oi, 1960) - SAK: AN*, DO. KUN*, ITU [Eskov, 1992c].
Victorium putoranicum Eskov, 1989 - SAK: PO* [Eskov, 1988b].
Walckenaeria clavicornis (Emerton, 1882) - SAK: PO* [Eskov, 1992c].
W.cuspidata (Blackwall, 1833) - SAK: AN, OK*, SHU* [Eskov, 1992c].
W.fraudatrix Millidge, 1983 - SAK: OK, PO* [Eskov, 1992c].
W.fugax (O.P.-Cambridge, 1871) - SAK: OK*, PO* [Eskov, 1992c].
W.karpinskii (O.P.-Cambridge, 1873) - SAK: OK*, PO* [Eskov, 1992c].
W.lepida (Kulczynski, 1885) - SAK: OK*, PO*, TO*. SHU* [Eskov, 1988a, 1992c].
W.mayumiae H.Saito, 1986 - SAK: DO* [Eskov, 1992c].
W.mitrata (Menge, 1868) - SAK: PO* [Eskov, 1992c].
W.nishikawai H.Saito, 1986 - SAK: AN*. KUN*, ITU* [Eskov, 1992c].
W.nudipalpis (Westring, 1851) - SAK: PO*, TO* [Eskov, 1992c].
W.picetorum (Palmgren, 1976) - SAK: AN, KO. ITU.
Walckenaeria sp. - SAK: AN, OK, PO, KUN*, ITU [Strand, 1907: as *Wideria antica*].
Wubanoidea enormitus Tanasevitch, 1988 - SAK: AN*, OK* [Tanasevitch, 1988; Eskov, Marusik, 1992a].
W.septentrionalis (Oi, 1960) - SAK: AN*, OK, PO*. MON. KUN* [Eskov, 1992c; Eskov, Marusik, 1992a].
- Family Tetragnathidae
- Metleucauge kompirensis* (Bösenberg & Strand, 1906) - AN*, MA, KH*. KUN*, SHI [Marusik, 1989].
M.gunohamensis (Bösenberg & Strand, 1906) -

Dolomedes sulfureus L.Koch, 1878 - KUN.
D.sp. - SAK: OK.
Pisaura lama Bösenberg & Strand, 1906 - KUN* [Logunov, 1990].

Family Oxyopidae

Oxyopes parous Paik, 1969 - SAK: OK.

Family Agelenidae

Coelotes sakhalinensis Marusik & Logunov, 1991 - SAK: OK* [Marusik, Logunov, 1991].
C. cf. insidiosus L.Koch - KUN* [Marusik, Logunov, 1991].
Cybaeus bam Marusik & Logunov, 1991 - KUN* [Marusik, Logunov, 1991].
C.basarukini Marusik & Logunov, 1991 - SAK: AN*, DO, MA* [Marusik, Logunov, 1991].
C.kunashirensis Marusik & Logunov, 1991 - SAK: DO, KUN* [Marusik, Logunov, 1991].
Tegenaria domestica (Clerck, 1757) - ITU* [Marusik, Logunov, 1991].

Family Argyronetidae

Argyroneta aquatica (Clerck, 1757) - SAK*: KH [Marusik, Logunov, 1991].

Family Hahnidae

Cryphoea silvicola (C.L.Koch, 1834) - SAK*: KO, OK, PO [Marusik, Logunov, 1991].
Hahnia corticicola (Bösenberg & Strand, 1906) - SAK: MA* [Marusik, Logunov, 1991].
H.ononidum Simon, 1875 - SAK: OK, PO* [Marusik, Logunov, 1991].
H.nava (Blackwall, 1841) - SAK: OK.
H. cf. glacialis Soerensen, 1898 - SAK: MA*, PO [Marusik, Logunov, 1991: as *H.glacialis*].

Family Dictynidae

Dictyna arundinacea (Linnaeus, 1758) - SAK*: MA, OK, TO [Marusik, Logunov, 1991].
D.pusilla Thorell, 1856 - SAK*: AN [Marusik, Logunov, 1991].
D.uncinata Thorell, 1856 - SAK*: AN*, AS, DO, KO, MA, OK, PO, SM, TO [Dunin, 1984b; Marusik, Logunov, 1991].
Emblyna annulipes (Blackwall, 1846) - SAK*: OK [Marusik, Logunov, 1991].
Lathys bin Marusik & Logunov, 1991 - SAK: KH. KUN* [Marusik, Logunov, 1991].

Family Amaurobiidae

Cybaeopsis typicus (Strand, 1907) - SAK: AN*, AS, DO, KO, MA*, OK. [Yaginuma, 1987 and Dunin, 1984b: as *Callobius claustrarius*]. MON. ITU*, KUN* [Marusik, Logunov, 1991].
Titanoeca sp. - SAK: OK, PO.

Family Anyphaenidae

Anyphaena kuritensis Peelle & Saito, 1932 - ITU* [Peelle, Saito, 1932a].
Anyphaena sp. - SAK: AN, KO, PO, KH. KUN.

Family Liocranidae

Agroeca sp. - SAK: AN.

Family Clubionidae

Chiracanthium erraticum (Walckenaer, 1802) - SAK: AN, KH, OK, PO.
Clubiona bakurovi Mikhailov, 1990 - - SAK: MA* [Mikhailov, 1990].
C.basarukini Mikhailov, 1990 - SAK: DO* [Mikhailov, 1990].
C.caerulescens L.Koch, 1866 - SAK*: AN* [Mikhailov, 1991, 1992; Yaginuma, 1977].
C.charitonovi Mikhailov, 1990 - SAK: KO*, MA*, KUN* [Mikhailov, 1990, 1992].
C.diversa O.P.-Cambridge, 1862 - SAK: KH, OK.

C.ezoensis Hayashi, 1987 - SAK: AS*, KO, MA*, OK*, KH*. KUN*, ITU [Mikhailov, 1991, 1992].
C.flavipes (Saito, 1939) - SAK: AN*, KH*. KUN* [Mikhailov, 1990, 1992].
C.interjecta L.Koch, 1879 - SAK: AN*, DO*, OK*, PO* [Mikhailov, 1991].
C.irinae Mikhailov, 1991 - SAK: AN*, AS*, KH, MA*, NO, PO*, SM* [Mikhailov, 1991].
C.jucunda (Karsch, 1879) - KUN* [Mikhailov, 1992].
C.kulczynskii Lessert, 1905 - SAK: AN* [Mikhailov, 1992], DO, OK* [Mikhailov, 1991].
C.kunashirensis Mikhailov, 1990 - MON. ITU* [Mikhailov, 1992], KUN* [Mikhailov, 1990; 1991, as *C.lyubarskii*].
C.kuritensis Bösenberg & Strand, 1906 - SAK: AN*, DO, KO*. KUN* [Mikhailov, 1990] ITU* [Bösenberg, Strand, 1906].
C.latericia Kulczynski, 1885 - SAK: DO* [Mikhailov, 1990].

SAK* [Yaginuma, 1977]. KUN* [Marusik, 1989].
Pachygnatha clercki Sundevall, 1823 - SAK: AN, AS, KO, NO, OK, TO.
P.listeri Sundevall, 1830 - SAK: AS, OK, PO.
Pachygnatha sp. - SAK: KH, KO, TO.
Tetragnatha dearmata Thorell, 1873 - SAK: AS, DO, KO, MA. KUN.
T.extensa (Linnaeus, 1758) - SAK*: AN, AS, DO, KO, MA, TO, TY, KH. KUN [Yaginuma, 1977], ITU* [Peelle, Saito, 1932a].
T.pinicola L.Koch, 1870 - SAK*: AS, DO, MA, OK. KUN, SHI.
T.yesoensis Saito, 1934 - SAK*: AN, DO, KO, MA. KUN [Saito, 1934: as *T.squamata*].

Family Araneidae

Aculepeira carbonarioides (Keyserling, 1882) - SAK: MA.
A.packardi (Thorell, 1875) - SAK: NO, OK.
Araneus cf. arcopictus Schenkel, 1953 - SAK: TO. KUN.
A.dladematus Clerck, 1757 - SAK*: AS, DO, MA, SM. KUN [Yaginuma, 1977].
A. cf. macacus Uemura, 1961 - SAK: AN. KUN.
A.marmoreus Clerck, 1757 - SAK*: AN, KO, OK, PO. KUN [Yaginuma, 1977].
A.pinguis (Karsch, 1879) - SAK*: AN, NO, TO, UG. KUN [Marusik, 1989].
A.quadratus Clerck, 1757 ? - SAK: OK.
A.uyemurai Yaginuma, 1960 - KUN.
A.ventricosus L.Koch, 1878 - SAK*: AN [Yaginuma, 1977].
Araneus sp.1 - SAK: OK.
Araneus sp.2 - SAK: UG. KUN.
Araneus sp.3 - SAK: AN.
Araneus sp.4 - SAK: DO.
Araniella displicata (Hentz, 1847) - SAK: AS, KH, OK.
Araniella sp. - SAK: AN, DO, KO, MA, TO, KH. KUN, ITU, PAR, SHI.
Atea schrenki (Grube, 1861) - SAK: AN, AS, DO, KO, OK?, TO, TY, KH. KUN, SHI.
Cyclosa conica (Pallas, 1772) - SAK: OK.
Cyclosa sp.1 - KUN.
Cyclosa sp.2 - SAK: KH. KUN.
Gibbaranea abscissus (Karsch, 1879) - SAK*: AN, KO, MA, KH [Marusik, 1989].
Hypsosinga albovitata (Westring, 1851) - SAK: OK.
H.sanguinea (C.L.Koch, 1844) - SAK*: AN, KO, MA, KH. SHI [Yaginuma, 1977].
H. cf. sanguinea (C.L.Koch, 1844) - SAK: AN, KH, KO, MA. KUN.
Larinioides cornutus (Clerck, 1757) - SAK*:

AN, AS, NO, OK. KUN, PAR [Yaginuma, 1977].
L.patagiatus (Clerck, 1757) - SAK*: AN, AS, DO, MA, NO, OK, PO, TO. ITU* [Peelle, Saito, 1932a].
Neoscona adianta (Walckenaer, 1802) - SAK* [Yaginuma, 1977].
Pronous minutus (Saito, 1939) - SAK: AN, TO*, KH*. KUN* [Marusik, 1989].
Singa hamata (Clerck, 1757) - SAK: AN, AS, KH, MA, SM.
S.nitidula (C.L.Koch, 1845) ? - SAK: NO.
Zilla sakhalinensis (Saito, 1934) - SAK*: AN, AS, DO, KH, KO, TO. KUN*, SHI [Yaginuma, 1977; Marusik, 1989].
Zygiella dispar (Kulczynski, 1885) - SAK*: AS, KO*, MA, OK, SM. KUN*, SHI [Marusik, 1989]. Northern Kurile Islands [Saito, 1932: as *Z.montana*].

Family Lycosidae

Arctosa kawabe Tanaka, 1985 - SAK: AN, DO.
Lycosa ishikariana (Saito, 1934) - KUN.
Pardosa astrigera (L.Koch, 1878) - SAK: DO. ITU.
P. cf. atrata (Thorell, 1873) - SAK: AN.
P. cf. chionophila L.Koch, 1879, 1 - SAK: AN, DO, KO, MA, TO. ITU, KUN.
P. cf. chionophila L.Koch, 1879, 2 - SAK: AN, DO, MA.
P. cf. chionophila L.Koch, 1879, 3 - SAK.
P. cf. eiseni (Thorell, 1875) - SAK: OK.
P.lugubris (Walckenaer, 1802) - SAK: AN, AS, KO, MA, NO, OK, PO, SM, TO, KH. KUN.
P.palustris (Linnaeus, 1758) - SAK: OK, UG. KUN, PAR, SHU. Kurile Islands [Yaginuma, 1977].
P.plumipes (Thorell, 1875) - SAK: AN, DO, KO. KUN.
P.riparia (C.L.Koch, 1833) - SAK: AS, TY. Kurile Islands [Saito, 1935].
Pirata piraticus (Clerck, 1757) - SAK: AN.
P.yaginumai Tanaka, 1974 - SAK: AN, DO.
Tarentula aculeata (Clerck, 1757) - SAK: OK.
T. cf. borea Kulczynski, 1908 - SAK: OK.
T.cuneata (Clerck, 1757) - SAK: AN.
T.pulverulenta (Clerck, 1757) - SAK: AN, DO, KO, MA, TO. KUN.
Trochosa terricola Thorell, 1856 - SAK*: AN, MA, OK, TO. KUN, ITU, URU, PAR, SHU, [Yaginuma, 1977].
Xerolycosa nemoralis (Westring, 1861) - SAK: AN, AS, KH, KO, MA, OK. KUN, ITU.

Family Pisauridae

C. lutescens Westring, 1861 ? - SAK* [Yaginuma, 1977].

C. pallidula (Clerck, 1757) - SAK: AN* [Mikhailov, 1992].

C. propinqua L.Koch, 1879 - SAK: AN* [Mikhailov, 1991].

C. pseudogermanica Schenkel, 1936 - SAK: AN*, AS*, DO, KH, KO, OK*, TY*. KUN*, ITU, SHU* [Mikhailov, 1991, 1992].

C. riparia L.Koch, 1866 - SAK: AN*, AS*, DO, KO*, NO, OK, PO*. KUN* [Mikhailov, 1990], ITU* [Peelle, Saito, 1932a, as *C. badia*], PAR*, SHU* [Mikhailov, 1992].

C. sapporensis Hayashi, 1986 - SAK: AS*, DO, MA*. KUN* [Mikhailov, 1990], ITU*, URU [Mikhailov, 1992].

C. sopaikensis Paik, 1990 - SAK: SM* [Mikhailov, 1991].

C. subtilis L.Koch, 1866 - SAK: MA.

C. trivialis C.L.Koch, 1843 - SAK: AN*, OK [Mikhailov, 1992].

C. tsurusakii Hayashi, 1987 - KUN* [Mikhailov, 1992].

C. vigil Karsch, 1879 - KUN* [Mikhailov, 1990].

Family Gnaphosidae

Drassodes lapidosus (Walckenaer, 1802) - KUN.

D. neglectus Keyserling, 1887 - SAK: OK.

Drassodes sp. - SAK: OK.

Drassylus pusillus (C.L.Koch, 1833) - SAK: DO. KUN.

Gnaphosa inconspicua Simon, 1878 - SAK: OK.

G. kompirensis Bösenberg & Strand, 1906 - SAK: AN, DO, ?OK.

G. muscorum (L.Koch, 1866) - SAK: AN, DO.

G. nigerrima L.Koch, 1878 - SAK: OK.

G. proxima Kulczynski, 1908 - SAK: OK.

G. sticta Kulczynski, 1908 - SAK: AN, OK.

Haplodrassus moderatus (Kulczynski, 1897) ? - SAK: AN, PO.

H. signifer (C.L.Koch, 1839) - SAK: AN. PAR.

Micaria pulicaria (Sundevall, 1831) - SAK: OK.

Poecilochroa sp.1 - SAK: AN.

Poecilochroa sp.2 - KUN.

Zelotes fratris Chamberlin, 1920 - SAK: OK.

Z. sula Lowrie & Gertsch, 1955 - SAK: AN. KUN.

Family Zoridae

Zora cf. *nemorialis* (Blackwall, 1861) - SAK: OK.

Z. cf. *spinimana* (Sundevall, 1832) - SAK: AN.

Family Heteropodidae

Micrommata virescens (Clerck, 1757) ? - SAK: AN, KU, OK.

Family Philodromidae

Philodromus aryy Marusik, 1991 - SAK: KH.
P. aureolus (Clerck, 1757) - SAK: AN, AS, KH, KO, OK, PO, TO. ITU, KUN.

P. buxi Simon, 1884 - SAK: AN.

P. cespitum (Walckenaer, 1802) - SAK: AN, AS, KH, KO, OK, TY, UG. KUN.

P. emarginatus (Schrank, 1803) - KUN.

P. fuscomarginatus (De Geer, 1778) - SAK: OK.

P. margaritatus (Clerck, 1757) - SAK: AN, TO. KUN.

P. rufus Walckenaer, 1828 - SAK*: AN, DO, OK. ITU [Yaginuma, 1977].

Thanatus albomaculatus Kulczynski, 1908 - SAK: OK.

T. formicinus (Clerck, 1757)? - SAK: OK.

Tibellus maritimus (Menge, 1875) - SAK: DO, KH, KO, NO, OK, KH.

T. oblongus (Walckenaer, 1802) - SAK: AN, AS, DO, KH, KO, MA, OK, TO, UG. ITU, KUN, SHI* [Peelle, Saito, 1932b].

Family Thomisidae

Coriarachne depressa (C.L.Koch, 1837) - SAK: OK.

Diaea subdola O.P.-Cambridge, 1885 - SAK: AN*. KUN* [Ono et al., 1990].

Lysiteles coronatus (Grube, 1861) - SAK: AN*, DO, KH*. ITU*, KUN* [Ono et al., 1990].

L. maius Ono, 1979 - SAK: AN*, DO*, KO, MA, SM*, TO*, KH*. KUN* [Marusik, 1989; Ono et al., 1990].

Misumena vatia (Clerck, 1757) - SAK*: AN*, AS*, DO*, KH, KO*, MA*, OK, SM* [Yaginuma, 1977; Ono et al., 1990].

Misumenops tricuspidatus (Fabricius, 1775) - SAK: AN*, DO, KH, KO*, TO*, KH*. MON. KUN* [Ono et al., 1990].

Oxyptila atomaria (Panzer, 1810) - SAK: KO*, PO*, OK* [Ono et al., 1990].

O. balkarica Ovtsharenko, 1979 - SAK: OK* [Ono et al., 1990].

O. sakhalinensis Ono, Marusik & Logunov, 1990 - SAK: AN, OK*, PO* [Ono et al., 1990].

O. sincera Kulczynski, 1926 - SAK: AN*, KO*, PO*, TO* [Ono et al., 1990].

O. trux (Blackwall, 1846) - SHU* [Ono et al., 1990].

Oxytate striatipes L.Koch, 1878 - SAK: AN*. KUN [Ono et al., 1990].

Pistius undulatus Karsch, 1879 - SAK: AN*. KUN* [Ono et al., 1990].

Tmarus sp. - SAK: AN, OK.

Xysticus albidus Grese, 1909 - SAK: OK.

X. audax (Schrank, 1803) - SAK: AN*, AS*, DO*, KH, KO*, NO, OK, PO*, TO*. KUN* [Ono et al., 1990].

X. britcheri Gertsch, 1934 - SAK: OK.

X. emertoni Keyserling, 1880 - SAK: AN, OK.

X. ephippiatus Simon, 1880 - SAK: AN*, KO*. KUN* [Ono et al., 1990].

X. kurilensis Strand, 1907 - SAK: AN*, DO*. ITU* [Strand, 1907], KUN* [Ono et al., 1990].

X. lepnevae Utotchkin, 1968 - SAK: AS*, TO* [Ono et al., 1990].

X. luctuosus (Blackwall, 1836) - SAK: MA*, OK, PO* [Ono et al., 1990].

X. rostratus Ono, 1988 - SAK: AN*, DO*, TO*. KUN* [Ono et al., 1990].

X. saganus Bösenberg & Strand, 1906 - KUN.

X. sibiricus Kulczynski, 1908 - SAK: PO* [Ono et al., 1990].

Family Salticidae

Bianor aurocinctus (Ohlert, 1865) - SAK: AN*, KO*, OK, SM* [Logunov, Marusik, 1991].

Carrhotus xantogramma (Latreille, 1819) - KUN.

Dendryphantus fusconotatus (Grube, 1861) - SAK: OK.

D. rudis (Sundevall, 1832) - SAK: OK.

Euophrys frontalis (Walckenaer, 1802) - SAK: AN.

E. iwatensis Bohdanovicz & Proszynski, 1987 - SAK: DO, MA.

Evarcha albaria (L.Koch, 1878) - KUN.

E. arcuata (Clerck, 1757) - SAK*: AN. KUN [Dunin, 1984a].

E. falcata (Clerck, 1757) - SAK: AN*, DO, KH, KO*, MA, OK, PO, SM, KH*. KUN [Dunin, 1984a].

E. laetabunda (C.L.Koch, 1836) - SAK: OK.

Heliophanus camtschadalicus Kulczynski, 1885 - SAK: OK, UG.

H. dubius C.L.Koch, 1831 - SAK: AN, KO, MA.

H. lineiventris Simon, 1868 - SAK*: AN, KO. KUN [Dunin, 1984a].

H. ussuricus Kulczynski, 1895 - SAK*: AN, AS, DO, KO, KH, MA, OK, TO, UG. ITU, KUN* [Wesolowska, Marusik, 1990].

Marpissa elongata (Karsch, 1879) - KUN.

Marpissa pomatia (Walckenaer, 1802) - SAK:

AN, DO, KO, MA, NE*, OK. ITU, KUN* [Dunin, 1984a].

Myrmarachne formicaria (De Geer, 1778) - MON. KUN* [Dunin, 1984a].

Neon reticulatus (Blackwall, 1855) - SAK: AN, DO, KH. ITU.

Phintella lineata (Karsch, 1879) - SAK*: AN, KH. KUN [Bösenberg & Strand, 1906; Dunin, 1984a: as *P. abnormis*].

P. castrisiana (Grube, 1861) - SAK: AN*, DO, KO, NE*, KH. MON. ITU, KUN [Dunin, 1984a].

Pseudictius vulpes (Grube, 1861) - SAK*: AN, AS, DO, KH. KUN [Dunin, 1984a].

Sitticus caricis (Westring, 1861) - SAK: OK.

S. finschi (L.Koch, 1879) - SAK: OK.

S. penicillatus (Simon, 1875) - SAK: KH.

S. saxicola (C.L.Koch, 1848) - SAK: AN, DO, KH, OK, TO.

Sitticus sp. - SAK: AN, OK, TO.

Synagelides venator (Lucas, 1836) - SAK: AN, DO, KH, KO, OK.

Synagelides agoriformis Strand, 1906 - KUN.

Yaginumaella medoedeui Proszynski, 1979 - KUN* [Proszynski, 1979].

Y. striatipes (Grube, 1861) - SAK*: AN, AS, DO, KH, KO, NE*, TO. MON. ITU, KUN [Dunin, 1984a].

The records of *Linyphia yonochamaensis* Bösenberg & Strand, 1906 in Sakhalin by Peele & Saito [1932b] has been referred to *L. emphana* by Helsdingen [1969]. The records of *Lepthyphantes angulipalpis* (Westring, 1851) and *L. collinus* (L.Koch, 1872) in Sakhalin by Saito [1935b] has been referred to *L. karpinski* and *L. nebulosus*, respectively, by Tanasevitch & Eskov [1987]. The record of *Araeoncus humilis* (Blackwall, 1841) in Iturup by Peele & Saito [1932a] have been stated as a misidentification by Eskov [1992a].

A list of dubious species which are not mentioned in our check-list, but recorded by Japanese arachnologists (1924-1937):

Araneus cucurbitinus Linnaeus (= *Araniella c.*); *A. inconspicua* Simon (= *Araniella i.*); *A. nordmanni* Thorell; *A. omoeda* Thorell (*Gibbaranea o.*); *Araneus thaddeus* (Hentz); *A. triguttatus* Fabricius; *A. uchidai* Kishida; *Arctosa cinerea* (Fabricius); *Chiracanthium lascivum* Karsch; *C. brevipes* Blackwall; *C. frutetorum* L.Koch; *C. perforata* Peele & Saito, 1932; *C. phragmitis* C.L.Koch; *Coelotes carafensis* Kishida; *Gayenna sachalinensis* Saito, 1935 (= *Stemmops* ?); *Icius nigra* Peele & Saito, 1932; *Lycosa avida* Walckenaer; *L. chisimensis* Saito, 1932 (= *P. palustris* ?); *L. doenitzi* Bösenberg

& Strand; *L.t-insignita* Bösenberg & Strand (= *P.astrigera* L.Koch); *Meta segmentata* (Clerck); *Misumena aleatoria* (Hentz); *M.lutea* Peelle & Saito, 1933; *Philodromus obsoletus* Peelle & Saito, 1933; *Pirata montanus* Emerton; *Tetragnatha solandri* (Scopoli) (= *T.montana* Simon); *Theridion araitense* Saito, 1932 (= *Stemonyphantes lineatus sibiricus* (Grube)?); *T.formosus* (Clerck); *The ridiosoma gemmosum* L.Koch; *Theridula albipes* Saito, 1935 (= *Teridion rapulum* Yaginuma ?); *Tibellus tenellus* (L.Koch); *Trochosa lapidicola* (Hahn); *Xysticus limbatus* Keyserling; *X.pini* Hahn; *X.triguttatus* Keyserling; *Zygiella atrica* L.Koch; *Z.montana* (C.L.Koch); *Z.x-notata* (Clerck).

In addition, one of the authors (KE) takes the opportunity to correct some previous misidentifications in the Far Eastern linyphiids.

1. All records of *Centromerus clarus* (L.Koch) in the 7 localities in Cisamuria, Maritime Province and Sakhalin [Eskov, 1992c] should be referred to *C.pacificus* Eskov & Marusik.

2. The reference of both records of *Hypomma bituberculata* (Wider) in Sakhalin [Eskov, 1988a, 1992c] to *H.affinis* Schenkel has already been provided by Eskov [1992b]. In addition, all records of both *H.bituberculata* (Wider) and *H.cornuta* (Blackwall) from Iturup, Kunashir and Shumshu islands [Eskov, 1992c] should be referred to *H.affinis* as well.

3. The record of *Lepthyphantes bipilis* Kulczynski in Sakhalin [Eskov, 1992c] should be referred to *L.cognatus* Tanasevitch.

4. The record of *Entelecara errata* O.P. Cambridge in Bolshe-Khekhtsyrskiy Reserve [Eskov, 1992c] should be referred to *E.erythropus* (Westring).

5. All the Far Eastern records of *Bathypantes magnificus* (Chamberlin & Ivie) [Eskov, 1992c] should be referred to a yet undescribed species, *Bathypantes* sp.

6. All the Far Eastern records of both *Scotinotylus gracilis* Millidge and *S.sacratus* Millidge [Eskov, 1992c] should be referred to a yet undescribed species, *Scotinotylus* sp.

7. All the records of *Hypselistes jacksoni* (O.P. Cambridge) in Sakhalin and Shumshu, as well as of *H.semiflavus* (L.Koch) in Sakhalin [Eskov, 1992c] should be referred to a yet undescribed species, *Hypselistes* sp. The record of *H.jacksoni* in Shumshu [Eskov, 1992c] should be referred to *H.semiflavus*.

7. The following conclusions are provided based on a restudy of the Kamtchatka collection of Sytshevskaja [1935] kept in the Zoological Museum

of the Moscow State University: *Hypomma bituberculata* (Wider) is in fact *H.affinis* Schenkel; *Dismodicus bifrons* (Blackwall) = *D.alticeps* Chamberlin & Ivie; *Sydera gracilis* (Menge) = *Agyseta* sp. (female: most probably *A.similis* (Kulczynski)); *Entelecara media* (Kulczynski) = *Erigonidium graminicolum* (Sundevall, 1829); *Stemonyphantes bucculentus* (Linne) = *S.lineatus sibiricus* (Grube); *Erigone psychrophila* Thorell = *E.simillima* Keyserling, 1886; *Erigone arctica* White = *Erigone atra* Blackwall; *Gnathonarium taczanowskii* (O.P. Cambridge) (= *G.suppositum* (Kulczynskii)); the material of *Pocadicnemis prominens* Simon (= *Lasiargus hirsutus* (Menge)) has not been found. Several misidentifications by Sytshevskaja [1935] have already been corrected by Eskov [1986, 1987a, b], Eskov & Marusik [1991b], Tanasevitch & Eskov [1987].

8. The following records from Kamtchatka by Kulczynskii [1885, 1926] seem to be misidentifications (the materials have not been found in the Institute of Zoology, Warsaw, and appears to be lost): *Hypomma bituberculata* is in fact *H.affinis*, *Dismodicus elevatus* = *D.bifrons*. The record of *Diplocephalus cristatus* (Blackwall) [Kulczynski, 1885] seems to refer in fact to *D.sphagnicolus* Eskov; the latter was recently found in Kamtchatka (1 ♀ - Kamtchatka River, Esso, 1.VI.1991, leg. T.Pavlenko). In addition, the inadequately described *Goniatium convexum* Kulczynski, 1885 is stated now as a *nomen dubium*, due to the apparent lost of type material.

9. The record of *Meioneta rurestris* (C.L.Koch) in Maritime Province by Sternbergs [1988], based on a single female, is a doubtless misidentification.

10. The record of *Walckenaeria antica* (Wider) in Kunashir by Strand [1907] seems to refer in fact to a yet undescribed species, i.e. *Walckenaeria* sp. (closely related to both *W.antica* and *W.fraudatrix* Millidge). *Linyphia amurensis* Strand, 1907 from Amur River, described from an adult specimen, is stated now as a *nomen dubium*. Some misidentifications by Strand [1907] have been corrected by Eskov [1992a].

11. The records of *Bolyphantes crucifer* (Menge), *Linyphia amurensis* Strand and *Meioneta rurestris* (C.L.Koch) in Cisamuria by Azheganova & Stenchenko [1977] are doubtless misidentifications. The absence of that collection in the Department of Entomology of the Perm State University (Dr. S.L.Esyunin, personal communication) does not allow to re-identify the above materials. Some misidentifications by Azheganova & Stenchenko [1977] have already been corrected by Tanasevitch & Eskov [1987] and Eskov & Marusik [1992b].

12. The following three species were described inadequately by Grube [1861] from Cisamurla, i.e. *Linyphia albomaculata*, *Linyphia melanopleuros* and *Micryphantes miniatus*. The types of these species have been found neither in the Natural History Museum at Wrocław [Heldsingen, 1978; Wesolowska, 1988] nor in the Zoological Museum, St.Petersburg [Ovtsharenko & Marusik, 1992], and seem to be lost. We consider now all these species as *nomen dubia*.

References

- Azheganova N.S., Stenchenko T.I. 1977. [On the spider fauna of Amur Area] // *Voprosy araknoentomologii*. Perm: Perm State University. P.106-111 [in Russian].
- Dunin P.M. 1984a. [Material on the spider fauna from the Far East (Arachnida, Aranei). 1. Family Salticidae] // *Fauna i ekologiya nasekomykh yuga Dalnego Vostoka*. Vladivostok. P.128-140 [in Russian].
- Dunin P.M. 1984b. [Material on the spider fauna from the Far East (Arachnida, Aranei). 2. Section Cribellatae] // *Ibidem*. P.141-147 [in Russian].
- Eskov K.Yu. 1986. On *Vales* Pakhorukov, 1981 and *Wubanoidea* n.gen., two Siberian linyphiid genera (Arachnida: Araneae: Linyphiidae) // *Senckenberg.biolog.* Bd.67. H.1/3. S.173-182.
- Eskov K.Yu. 1987a. [New data on the spider genus *Hilaira* (Aranei, Linyphiidae) in the fauna of the USSR] // *Zool.Zhurn.* Vol.66. No.7. P.1020-1031 [in Russian].
- Eskov K.Yu. 1987b. [The Nearctic spider genera *Ceraticelus* and *Islandiana* (Aranei, Linyphiidae) in the fauna of Siberia and the Far East] // *Zool.Zhurn.* Vol.66. No.11. P.1748-1752 [in Russian].
- Eskov K.Yu. 1988a. [Spiders (Aranei) of Central Siberia] // *Materialy po faune Tsentralnoy Sibiri i prilezhaschikh rayonov Mongolii*. Moscow. P.101-155 [in Russian].
- Eskov K.Yu. 1988b. [Seven new monotypic genera of spiders of the family Linyphiidae (Aranei) from Siberia] // *Zool.Zh.* Vol.67. No.5. P.678-690 [in Russian].
- Eskov K.Yu. 1988c. [Spiders of the genera *Mecynargus*, *Mecynargoides* gen.n. and *Tuberithorax* gen.n. (Aranei, Linyphiidae) in the fauna of the USSR] // *Zool.Zh.* Vol.67. No.12. P.1822-1832 [in Russian].
- Eskov K.Yu. 1988d. The spider genera *Savignya* BLACKWALL, *Diplocephalus* BERTKALI and *Aracharaoidea* TANASEVITCH (Aranei, Linyphiidae) in the fauna of Siberia and the Soviet Far East // *Folia Entomol.Hung.* Vol.49. P.13-39.
- Eskov K.Yu. 1989. [New monotypic genera of the spider family Linyphiidae (Aranei) from Siberia. Communication 1] // *Zool.Zh.* Vol.68. No.9. P.68-78 [in Russian].
- Eskov K.Yu. 1990. The spider genus *Collisia* O.Pickard-Cambridge, 1913 in the fauna of Siberia and the Soviet Far East // *Senckenberg.biolog.* Bd.70. H.4/6. S.287-298.
- Eskov K.Yu. 1991a. [On the taxonomy and zoogeography of the spider genera *Maro* and *Oreoneides* (Aranei, Linyphiidae)] // *Zool.Zh.* Vol.70. No.4. P.45-54 [in Russian].
- Eskov K.Yu. 1991b. [The spider genus *Savignya* (astr.) (Aranei, Linyphiidae) in the fauna of the Far East and Central Asia] // *Zool.Zh.* Vol.70. No.5. P.140-144 [in Russian].
- Eskov K.Yu. 1991c. New linyphiid spiders from Siberia and the Far East. 1. The genus *Holminaria* gen.nov. (Arachnida, Araneae: Linyphiidae) // *Reichenbachia*. Bd.28. Hft.2. No.20. S.97-102.
- Eskov K.Yu. 1992a. A restudy of the generic composition of the

linyphiid spider fauna of the Far East (Araneida: Linyphiidae) // *Ent.Scand.* Vol.23. No.2. P.153-168.

- Eskov K.Yu. 1992b. New data on the linyphiid spider fauna of South Siberia (Aranei, Linyphiidae) // *Arthropoda Selecta*. Vol.1. No.2. P.73-78.
- Eskov K.Yu. 1992c. [New data on fauna of the spider family Linyphiidae (Aranei) of the Soviet Far East] // *Trudy Zool.Inst.AN SSSR*. Leningrad. Vol.226. P.51-59 [in Russian].
- Eskov K.Yu., Marusik Yu.M. 1991a. New linyphiid spiders (Aranei, Linyphiidae) from East Siberia // *Korean Arachnology*. Vol.6. No.2. P.237-253.
- Eskov K.Yu., Marusik Yu.M. 1991b. On *Tsonagyna* and *Thaleria*, two closely related Siberio-Nearctic spider genera (Araneida: Linyphiidae) // *Ent.Scand.* Vol.22. No.4. P.405-416.
- Eskov K.Yu., Marusik Yu.M. 1992a. On the mainly Siberian spider genera *Wubanoidea*, *Parawubanoidea* gen.n. and *Pocloneta* (Aranei: Linyphiidae) // *Arthropoda Selecta*. Vol.1. No.1. P.21-38.
- Eskov K.Yu., Marusik Yu.M. 1992b. The spider genus *Centromerus* (Araneida, Linyphiidae) in the fauna of Siberia and the Russian Far East, with an analysis of its distribution // *Arthropoda Selecta*. Vol.1. No.2. P.33-46.
- Grube A. 1861. Beschreibungen neuer, von den Herren L.v.Schrenk, Maack, C.v. Dittmar u.a. im Amurlande und in Ostsibirien gesammelter Araneiden // *Bull.Acad.*, St.Petersbourg. T.4. P.161-180.
- Heldsingen P.J.,van. 1969. A reclassification of the species of *Linyphia* Latreille based on the functioning of genitalia (Araneida, Linyphiidae), I // *Zool.Verh.Leiden*. No.105. P.3-304.
- Heldsingen P.J.,van. 1978. Some synonyms in Old World spiders // *Zool.Medd.Leiden*. Vol.53. P.185-197.
- Ivie W. 1969. North American spiders of the genus *Bathypantes* (Araneae, Linyphiidae) // *Amer.Mus.Novit.* No.2364. P.1-70.
- Kulczynski V. 1885. Araneae in Camtschadalia a D-re Dybowski collectae // *Pam.Acad.Umiejetn.Krakowie*, Wyzd.Mat.-Przyr. T.11. P.1-60.
- Kulczynski V. 1926. Arachnoidea Camtschadalia // *Ann.Mus.Zool. Acad.Sci.URSS*, Leningrad. T.27. P.29-72.
- Logunov D.V. 1990. [New data on spiders of the families Atypidae, Araneidae, Pisauridae and Thomisidae of the USSR fauna] // *Chlenistonogie i gelminty*. Novosibirsk. P.33-43 [in Russian].
- Logunov D.V., Marusik Yu.M. 1991. [Redescriptions and morphological differences of *Bianor aurocinctus* (Ohlert) and *Baemulus* (Gertsch) (Aranei, Salticidae)] // *Sib.biolog.* Vol.2. P.39-47 [in Russian].
- Marusik Yu.M. 1989. [New data on fauna and taxonomy of spiders (Arachnida, Aranei) from the USSR] // *Fauna i ekologiya paukov i skorpionov*. Moscow, Nauka Publ. P.39-52 [in Russian].
- Marusik Yu.M., Logunov D.V. 1991. [Spiders of the superfamily Amaurobioidea (Aranei) from Sakhalin and Kuril Islands] // *Zool.Zh.* Vol.70. No.9. P.87-94 [in Russian].
- Mikhailov K.G. 1990. The spider genus *Clubiona* Latreille 1804 in the Soviet Far East, 1 (Arachnida, Aranei, Clubionidae) // *Korean Arachnol.* Vol.5. No.2. P.139-175.
- Mikhailov K.G. 1991. The spider genus *Clubiona* Latreille 1804 in the Soviet Far East, 2 (Arachnida, Aranei, Clubionidae) // *Korean Arachnol.* Vol.6. No.2. P.207-235.
- Mikhailov K.G. 1992. The spider genus *Clubiona* Latreille, 1804 (Arachnida Aranei Clubionidae) in the USSR fauna: a critical review with taxonomical remarks // *Arthropoda Selecta*. Vol.1. No.3. P.3-34.
- Nakatsudi K. 1937. Notes on a new genus and two new species of Arachnida from the island of Paramushir, Northern Kuriles,

- Japan // Jagric.sci.Tokyo. Vol.1. No.1. P.22-26.
- Ono H., Marusik Yu.M., Logunov D.V. 1990. Spiders of the family Thomisidae from Sakhalin and the Kurile Islands // Acta Arachnol. Vol.39, No.1. P.7-19.
- Ovtsharenko V.I., Marusik Yu.M. 1992. Taxonomical notes on spiders (Aranei) described by A.Grube // Trudy.Zool.Inst.Leningrad. Vol.226. P.70-73 [in Russian].
- Peele M.L., Saito S. 1932a. Spiders from the Southern Kurile Islands. I. Araneida from Iturup // J.Fac.Sci.Hokkaido Univ. Ser.6. Vol.2. No.2. P.83-96.
- Peele M.L., Saito S. 1932b. Spiders from the Southern Kurile Islands. II. Araneida from Shikotan // J.Fac.Sci.Hokkaido Univ. Ser.6. Vol.2. No.3. P.109-123.
- Platnick N.I. 1989. Advances in spider taxonomy 1981-1987. A supplement to Brignoh's «A Catalogue of the Araneae described between 1940 and 1981». Manchester, New York, Manchester Univ.Press. 673 p.
- Saito S. 1932a. A note on spider from southern Saghalien // Annot.zool.Jap. Vol.14. No.4. P.377-385.
- Saito S. 1932b. Description of two new species of Araneida from the northern Kurile Islands // Trans.Sapporo Nat.Hist.Soc. Vol.12. No.2-3. P.100-104.
- Saito S. 1933. Araneida from the northern Kurile islands, with descriptions of two new species // Bull.Biogeogr.Soc.Japan. Vol.4. No.2. P.122-132.
- Saito S. 1934. A supplementary note on spiders from southern Saghalien, with descriptions of two new species // Trans.Sapporo Nat. Hist.Soc. Vol.13. No.3. P.326-340.
- Saito S. 1935a. Further notes on spiders from southern Saghalien, with description of three new species // Annot.zool.Jap. Vol.15. No.1. P.58-61.
- Saito S. 1935b. Further notes on spiders from southern Saghalien (the third supplement) // Trans.Sapporo Nat.Hist.Soc. Vol.14. No.1. P.51-54.
- Saito S. 1935c. Spiders from the northern Kurile Islands. II // Trans.Sapporo Nat.Hist.Soc. Vol.14. No.1. P.55-56.
- Strand E. 1907. 30d- und ostasiatische Spinnen // Abh. naturforsch. Ges. Görlitz. Bd.25. S.55-56.
- Sternbergs M.T. 1988. [Materials on the spider fauna of Maritime Province] // Fauna i ekologiya paukooobraznykh. Perm: Perm Univ. P.92-97 [in Russian].
- Sytshevskaja V.J. 1935. Etude sur les Araignees de la Kamtschatka // Folia Zool.Hydrobiol. T.8. No.1. P.80-103.
- Tanasevitch A.V. 1987. New species of *Leptyphantes* MENGE, 1866 from the Soviet Far East, with notes on the Siberian fauna of this genus // Spixiana. Bd.10. H.3. S.335-343.
- Tanasevitch A.V. 1988. Some new *Leptyphantes* Menge (Aranei, Linyphiidae) from Mongolia and the Soviet Far East // Folia Entomol.Hung. Vol.49. P.185-196.
- Tanasevitch A.V., 1992. New genera and species of the tribe Leptyphantini (Aranei Linyphiidae Micronetinae) from Asia (with some nomenclatorial notes on linyphiids) // Arthropoda Selecta Vol.1. No.1. P.39-51.
- Tanasevitch A.V., Bakov K.Yu. 1987. [The spider genus *Leptyphantes* (Aranei, Linyphiidae) in the fauna of Siberia and the Far East] // Zool.Zh. Vol.66. No.2. P.185-197 [in Russian].
- Wesolowska W. 1988. Redescriptions of the A.Grube's East Siberian species of spiders (Aranei) in the collection of the Natural History Museum at Wroclaw // Ann.Zool.PAN. T.41. No.12. P.403-413.
- Wesolowska W., Marusik Yu.M., 1990. Notes on *Heliophantus camtschadalicus* Kukczynski, 1885 (Aranei, Salticidae) and the related species // Korean Arachnol. Vol.6. No.1. P.91-100.
- Yaginuma T. 1977. A list of Japanese spiders (revised in 1977) // Acta Arachnol. Vol.27. Spec.No. P.367-406.
- Yaginuma T. 1987. On amaurobiid spiders of Japan // Ess. Stud. Commem. 20th Anniv.Otemon-Gakuin Univ.Fac. of Letters. P.451-465.