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## **A check-list of spiders with trans-Palaearctic distribution**

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### **RIASSUNTO**

E' presentata una lista di 313 specie di ragni con modello di distribuzione trans-euroasiatica o trans-palaearctica.

E' anche riportata la distribuzione nota delle specie (trans-palaearctica, olartica, cosmopolita o a distribuzione disgiunta).

Parole chiave: Ragni, Araneae, Zoogeografia, Palaearctic, Lista faunistica.

### **SUMMARY**

A list of 313 spider species with a trans-Eurasian or trans-Palaearctic distribution pattern is presented. The known range (trans-Palaearctic, Holarctic, cosmopolitan or disjunctive distribution) of the species is also given.

Key words: Spiders, Araneae, Zoogeography, Palaearctic, Check-list.

As far as can be seen from articles by European taxonomists and ecologists (as well as by Americans), a majority of specialists have poor imaginations regarding distribution of spiders within the former Soviet Union and Asia (Mongolia, China, Afghanistan) as a whole. The main reasons for the poor knowledge are:

- 1) a lack of modern publications like CHARITONOV's catalogue (1932);
- 2) the language of the majority of publications dealing with USSR spider fauna is Russian;

- 3) information about the distribution of certain species is spread through different publications which are not known to the western arachnologists and/or not available;
- 4) the quality of species determinations in some of the Russian publications is very low.

Thanks to the recent progress in spider investigation of Siberia and the Far East which was manifested in recent publications dealing with check-lists of north-eastern Siberian spiders (MARUSIK *et al.*, 1992a), spiders of Sakhalin and Kurile Islands (MARUSIK *et al.*, 1992b) as well as Japanese (YAGINUMA, 1990) and Korean (KIM, 1991) spiders, and thanks to personal knowledge about the distribution of spiders within Siberia and the Russian Far East, it became possible to make a first draft list of spiders with Eurasian distribution. Under the term trans-Eurasian or trans-Palaeartic species I mean spiders which are distributed from West and West-Central Europe eastward to north-east Siberia and Far East Asia.

The check-list given below consists of species which have quite different distributional patterns. A few of the species have Cosmopolitan (C) distribution, many species have circum-Holarctic (H) ranges, some of the species are distributed through the whole of Eurasia and North-West America (or western America) (H also) and many spiders have trans-Palaeartic rangest. Species which have disjunctive ranges within Eurasia are marked by the letter "D".

Besides above mentioned check-lists, some other works were used in the preparation of the list: ESKOV (1992), LOGUNOV (unpublished catalogue of Siberian Salticidae), MIKHAILOV (1990, 1991, 1992).

#### Check-list

##### *Agelenidae* 2

*Agelena labyrinthica* T; *Tegenaria domestica* C.

##### *Amaurobiidae* 1

*Arctobius agelenoides* H.

##### *Araneidae* 21

*Aculepeira carbonarioides* H; *Araneus alsine* T; *A. diadematus* H; *A. marmoreus* H; *A. nordmanni* H; *A. quadratus* T; *A. saevus* H;

*Araniella displicata* H; *A. proxima* H?; *Argiope bruennichi* T; *Cercidia prominens* H; *Cyclosa conica* H; *Cyphepeira silvicultrix* H; *Hypsosinga albovittata* T; *H. pygmaea* H; *H. sanguinea* T; *Larinioides cornutus* H; *L. patagiatus* H; *Neoscona adianta* T; *Singa hamata* T; *S. nitidula* T.

#### *Argyronetidae* 1

*Argyroneta aquatica* T.

#### *Clubionidae* 7

?*Chiracanthium erraticum* T; *Clubiona caerulescens* T; *C. diversa* T; *C. kulczynskii* H; *C. pallidula* H; *C. subtilis* T; *C. trivialis* H.

#### *Dictynidae* 11

*Arctella lapponica* H; *Argenna prominula* H; *Dictyna alaskensis* H; *D. arundinacea* H; *D. major* H; *D. pusilla* T; *D. uncinata* T; *Dictyna* sp. T; *Emblyna annulipes* T; *Lathys humilis* T; ?*L. puta* T.

#### *Dysderidae* 1

?*Dysdera crocata* D.

#### *Gnaphosidae* 24

*Callilepis nocturna* T; *C. szhuszteri* T; *Drassylus pusillus* T; *Drassodes lapidosus* T; *D. pubescens* T; *Gnaphoda borea* H; *G. inconspicua* T; *G. microps* H; *G. mongolica* T?; *G. muscorum* H; *G. niger-rima* T; *G. orites* H; *Haplodrassus moderatus* T; *H. soerenseni* T; *H. signifer* H; *Micaria aenea* H; *M. alpina* H; *M. dives* T; *M. lenzi* T; *M. pulicaria* H; *M. rossica* H; *Trachyzelotes praeficus* T; *Uroselotes rusticus* T; *Zelotes puritanus* H.

#### *Hahniidae* 4

*Antistea elegans* H; *Cryphoea silvicola* T; *Hahnia nava* T; *H. ononidum* T.

#### *Linyphiidae* 126

*Agyreta beata* T; *A. conigera* T; ?*A. gulosa* T; *A. nigriceps* T; *A. olivacea* H; *A. similis* T; ?*A. subtilis* T; *A. trifurcata* T; *Allomengea scopigera* H; *Aphileta misera* H; *Bathyphantes gracilis* H; *B. reprobus* T; *B. setiger* T; *Bolyphantes alticeps* T; *B. index* T; *Carorita limnaea*

H; *Centromerus silvaticus* H; *Ceratinella brevis* T; *C. wideri* T; *Ceratinopsis romanus* T; *C. stativus* T; *Cnephalocotes obscurus* H; *Collinsia holmgreni* H; *Diplocentria bidentata* H; *D. rectangulata* H; *Dismodicus bifrons* H; *Drapestica socialis* T; *Drepanotylus borealis* T; *Eboria angulata* H; *E. lapponica* H; *Enidia biteberculata* T; *Erigone arctica* H; *E. atra* H; *E. dentipalpis* T; *E. longipalpis* T; *E. psychrophila* H; *E. tirolensis* H; *Erigonidium graminicola* T; *Estrandia grandeva* H; *Floronia bucculenta* T; *Glyphesis cottonae* T; *Gnathonarium dentatum* T; *Gonatium hilare* T; *G. rubens* T; *Gongylidiellum murcidum* T; *G. vivum* T; *Gongylidium rufipes* T; *Helophora insignis* H; *Hilaira glacialis* H; *H. herniosa* H; *H. nubigena* H; *H. pervicax* T; *H. tatica* T; *Hybauchenidium progidialis* H; *Hylyphantes nigrinus* T; *Hypselistes jacksoni* H; *Islandiana alata* H; *Kaestneria pullata* H; *Lasiargus hirsutus* T; *Latithorax latus* T; *Lepthyphantes abiskoensis* T; *L. alacris* T; *L. angulatus* T; *L. complicatus* H; *L. expunctus* T; *L. kochiellus* T; *L. leprosus* H; *L. mengei* T; *L. nebulosus* H; *L. nigriventris* T; *L. punctulatus* T; *L. sobrius* T; *L. suffusus* T; *Leptorhoptrum robustum* T; *Macrargus multesimus* H; *Maro flavescens* T; *Maso sundevalli* H; *Mecynargus monticola* H; *M. paetulus* H; *M. sphagnicolus* T; *Micrargus herbigradus* T; *Microlinyphia impigra* H; *M. pusilla* H; *Microneta viaria* H; *Milleriana innerans* T; *Minicia marginella* T; *Minyrioloides trifrons* T; *Minyriolus pusillus* T; *Nematogmus sanguinolentus* T; *Neriere clathrata* H; *N. emphana* T; *N. montana* T; *N. radiata* H; *Oreonetides vaginatus* H; *Panamomops tauricornis* T; *Pelecopsis mengei* H; *P. parallela* T; *P. radicecola* T; *Pityohyphantes phrygianus* H?; *Pocadicnemis pumila* T; *Poeciloneta variegata* H; *Porrhomma pallida* T; *P. pygmaea* T; *Praestigia pini* T; *Saloca strandi* H; *Scotinotylus alpigenus* T; *Silometopus reussi* T; *Sisicus apertus* H; *Tapinocyboides pygmaeus* T; *?Tapinopa longidens* T; *Tibioploides arcuatus* T; *Tibioplus diversus* H; *Tiso aestivus* H; *Thyreostenius biovatus* T; *T. parasiticus* T; *Tmeticus affinis* T; *Trematocephalus cristatus* T; *Walckenaeria capito* H; *?W. "clavicornis"* T; *W. cuspidata* H; *W. fugax* T; *W. holmi* H; *W. lepida* H; *W. mitrata* T; *W. nudipalpis* T; *W. picetorum* T; *Zornella cultrigera* H.

### *Lycosidae* 16

*Alopecosa aculeata* H; *A. pulverulenta* T; *?Arctosa cinerea* T; *Pardosa atrata* T; *P. eiseni* T; *P. lapponica* H; *?P. lugubris* T; *?P. monticola* T; *P. palustris* H; *P. plumipes* T; *P. riparia* T; *P. schenkeli*

T; ?*Pirata knorri* T; *P. piraticus* H; *Trochosa robusta* D?; *T. ruricola* T; *T. spinipalpis* T; *T. terricola* H; *Xerolycosa nemoralis* T.

#### *Mimetidae* 2

*Ero cambridgei* T; ?*E. furcata* H?.

#### *Oecobidae* 2

*Oecobius annulipes* C; *O. cellariorum* C.

#### *Philodromidae* 14

*Philodromus aureolus* T; *P. buxi* T; *P. cespitum* H; *P. emarginatus* T; *P. fallax* T; *P. fuscomarginatus* T; *P. margaritatus* T; *P. poecilus* D?; *P. rufus* H; *Thanatus arcticus* H; *T. formicinus* H; *T. striatus* H; *T. vulgaris* H; *Tibellus maritimus* H; *T. oblongus* H.

#### *Pholcidae* 1

?*Spermophora senoculata* T.

#### *Salticidae* 30

*Aelurillus vinsignitus* T; *Bianor aurocinctus* T; *Carrhotus xantogramma* D; *Chalcoscirtus alpicola* H; *Dendryphantes rudis* T; *Evarcha arcuata* T; *E. falcata* H; *E. laetabunda* T; *Eouphrys frontalis* T; *Heliophanus aeneus* T; *H. dubius* T; *H. lineiventris* T; *H. patagiatus* T; *Langona festiva* T; *Marpissa muscosa* D?; *M. pomatia* T; *Myrmarachne formicaria* T; *Neon reticulatus* T; *Philaeus chrysops* T; *Phlegra faciata* H; *Salticus cingulatus* T; *Sitticus avocator* T; *S. caricis* T; *S. fasciger* H; *S. floricola* H; *S. penicillatus* T; *S. saxicola* T; *Synageles hilarulus* T; *S. venator* T; *Thyene imperialis* D.

#### *Scytodidae* 1

*Scytodes thoracica* D.

#### *Segestriidae* 1

?*Segestria senoculata* D.

#### *Sparassidae* 1

?*Micrommata virescens* T.

**Tetragnathidae 7**

*Pachygnatha clercki* H; *P. degeeri* T; *P. listeri* T; *Tetragnatha dearmata* H; *T. extensa* H; *T. nigrita* T; *T. pinicola* T.

**Theridiidae 26**

*Achaearanea tepidariorum* C; *Crustullina guttata* T; *C. sticta* H; *Euryopsis flavomaculata* T; *E. saukea* H; *Neottiura bimaculata* H; *Robertus lividus* T; *R. lyrifer* H; *R. unguatus* D; *Steatoda albomaculata* H; *S. bipunctata* H; *S. grossa* H; *S. phalerata* T; *S. triangulosa* H; *Theridion aurantium* H; *T. belissimum* H; *T. impressum* H; *T. montanum* H; *T. ohlerti* H; *T. petraeum* H; *T. pictum* H; *T. pinastri* T; *T. riparium* D?; *T. tinctum* H; *T. varians* H; *Theridula gonygaster* C.

**Thomisidae 12**

*Coriarachne depressa* T; *Misumena vatia* H; *Misumenops tricuspidatus* T; *Oxyptila arctica* H; *O. atomaria* T; *O. trux* H; *Synaema globosum* T; *Tmarus piger* T; *Xysticus albidus* T; *X. audax* T; *X. luctuosus* H; *X. obscurus* H.

**Titanoecidae 1**

*Titanoeca nivalis* H

**Uloboridae 1**

*Uloborus walckenaerius* T.

Total number 313

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