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Another new species of *Lepthyphantes* MENGE from the Russian Far East (Arachnida: Araneae: Linyphiidae: Micronetinae)

With 7 Figures

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Abstract. The new species of *Lepthyphantes* MENGE (*L. zygius* spec. nov.) is described from the Southern Primorie. This species joins to *angulipalpis* complex and is especially close related to the other Far-Eastern species *L. maritimus* TANASEVITCH.

Type material has been deposited to collection of the Zoological Museum of the Moscow State University. The following abbreviations have been accepted in the text and figures: Fe-femur, Ti – tibia, Mt – metatarsus, Tm – position of the metatarsal trichobothrium, L – lamella characteristica, TA – terminal apophysis, M – membrane, PMP – posterior median plate. The sequence of leg segments in measurement data is following: femur + patella + tibia + metatarsus + tarsus. The chaetotaxy is given in the following formula: Ti I: 2–1–1–0. This stands for: tibia I has two dorsal, one pro- and one retrolateral spine, ventral spines absent. All measurements are given hereinafter in mm. Scale – 0.1 mm.

I am very grateful to Drs. G. KURCHEVA and B. ZAKHAROV who collected this new species.

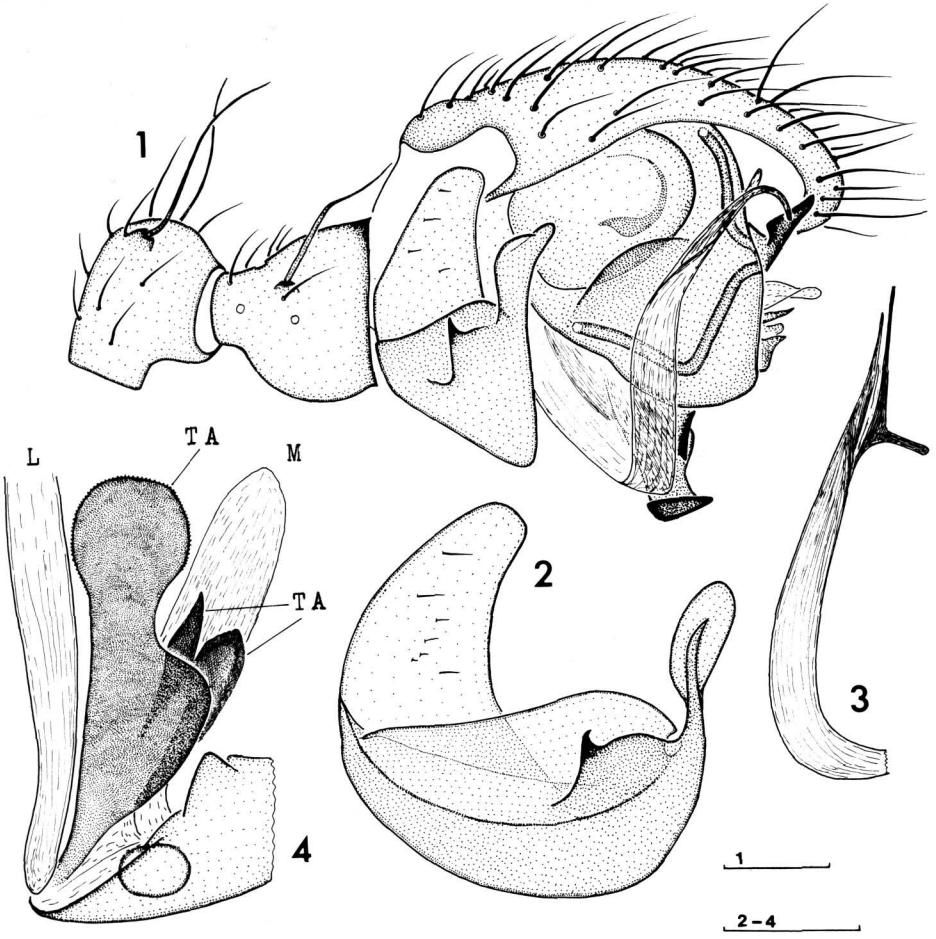
Lepthyphantes zygius spec. nov. (Figs. 1–7)

Material. Holotype male, Russia, Far East, southern part of Maritime Prov. (Southern Primorie), Khasan distr., Kedrovaya Pad State Reserve, 13. VII. 1977, leg. B. ZAKHAROV. Paratypes: 2 females, same locality, together with holotype, 13.VII.1977, leg. B. ZAKHAROV; 1 female, near Ussuriysk, Suputinsky State Reserve, Grabovaya hill, *Abies* forest, 23–25. V. 1972, leg. G. KURCHEVA.

Diagnosis. This species belongs to *angulipalpis* complex (SAARISTO & TANASEVITCH, 1993) and is especially close related to *L. maritimus* TANASEVITCH known from Far East (TANASEVITCH, 1988). From the later *L. zygius* spec. nov. is well distinguishable by presence of two characteristic spines on palpal patella, structure of the paracymbium and lamella characteristica, as well as by the longer scapus and absence of a dorsal spine on metatarsus IV.

Description.

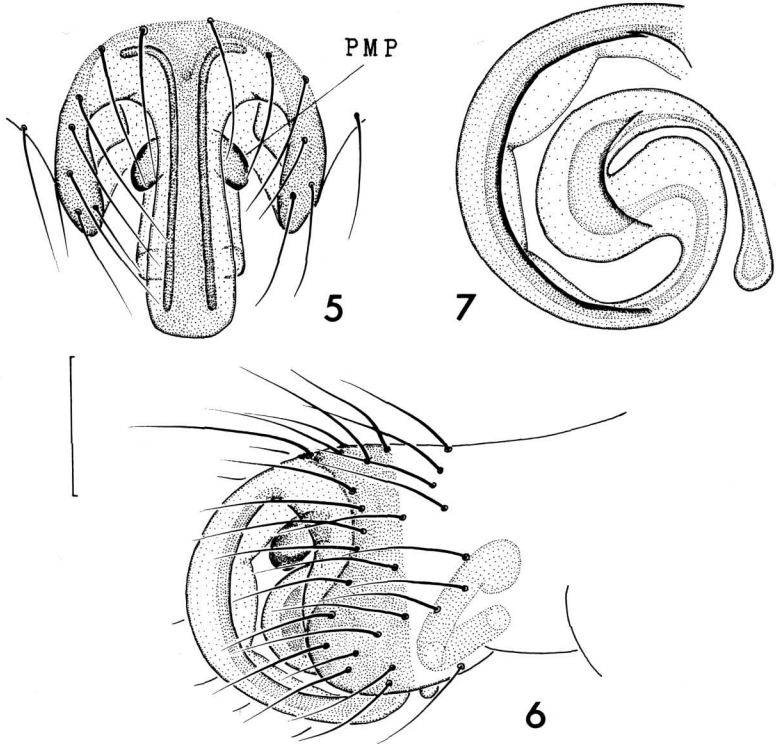
Male. Total length 2.15. Carapace 1.00 long, 0.90 wide, pale brown. Legs pale brown. Chaetotaxy: Fe I: 0–1–0–0; Ti I: 2–1–1–0, II: 2–0–1–0, III–IV: 2–0–0–0; Mt I–III: 1–0–0–0. Leg I 4.16 long (1.08 + 0.28 + 1.10 + 1.00 + 0.7), leg IV – 4.05 long (1.05 + 0.25 + 1.05 + 1.05 + 0.65). Tm I – 0.23. Palp (Figs. 1–4): Patella dorsally with two slightly curved spines, one of which is situated on small tubercle. Tibia dorsally with the same kind of spine. Cymbium without proximal outgrowth. Paracymbium in middle part with a good ridge-shaped projection and a small tooth at outward side



Figs. 1–4: Palp of *Lepthyphantes zygius* spec. nov.: 1 – right palp, 2 – paracymbium, 3 – lamella characteristica (part), 4 – embolic division (part: lamella characteristica and embolus are broken).

of the distal part of paracymbium. Lamella characteristica very long, curved, distally bifid. Terminal apophysis large, dark, with a good membrane. Embolus without basal teeth. Abdomen of type specimen deformed, 1.25 long, grey, dorsal pattern absent.

Female. Total length 2.10. Carapace 0.90 long, 0.75 wide. Leg I 3.80 long (0.98 + 0.28 + 0.98 + 0.88 + 0.68), leg IV – 3.86 long (1.05 + 0.28 + 0.95 + 0.93 + 0.65). Tm I: 0.20. Abdomen 1.35 long, 0.80 wide. Epigyne (Figs. 5–7): Scapus very long and narrow. Posterior median plate has very long and slender lateral outgrowths. Back wall of the epigynal cavity with small lateral projection (both sides). Body and legs colouration as in male.



Figs. 5–7: Epigyne of *Lepthyphantes zygius* spec. nov.: 1 – ventral view, 2 – lateral view, 3 – scapus separately (lateral view).

References

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