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A new species of Cybaeidae: *Cybaeus balkanus* spec. nov.

from the mountains of Balkan peninsula

(Arachnida: Araneae)

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With 9 Figures

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Abstract. *Cybaeus balkanus* spec. nov. is described and illustrated (male/female) from Sredna gora (Bulgaria) and Shar planina (Macedonia) mountains. The new species belongs to *minor* group, closely related to *Cybaeus brignolii* MAURER. They can be separated clearly by spinulation and the form of the tibial apophysis of palpal organs.

Introduction

Bulgarian material used by description of the new species is found in the collection of P. DRENSKY, labelled and published as *Cybaeus angustiarum* L. KOCH (DRENSKY 1915). The material of Shar planina mountain is collected and presented to me by my colleague G. BLAGOEV.

Description of the new species

Cybaeus balkanus spec. nov.

Cybaeus angustiarum (non L. KOCH): DRENSKY 1915: 153; *C. prope brignolii*: MAURER 1992: 24; DELTSHEV 1995: 583.

Material and localities: Sredna gora mountain, holotype male, 06.1910, leg. P. DRENSKY. Paratypes: 1 ♂, 1 ♀, collected with the holotype; Sredna gora mountain, 5 ♂♂, 08.1910, leg. P. DRENSKY; Shar planina mountain: Jelak (1850 m), 6 ♂♂, 13–15.07.1995; Studena (1700–1800 m), 2 ♂♂, 19.07.1995; Winberg, 1 ♂, 18.08.1995 (all materials of Shar mountain are collected by G. BLAGOEV). Depository: Institute of Zoology, Sofia. 2 ♂♂ paratypes will be deposited in Naturhistorisches Museum, Wien.

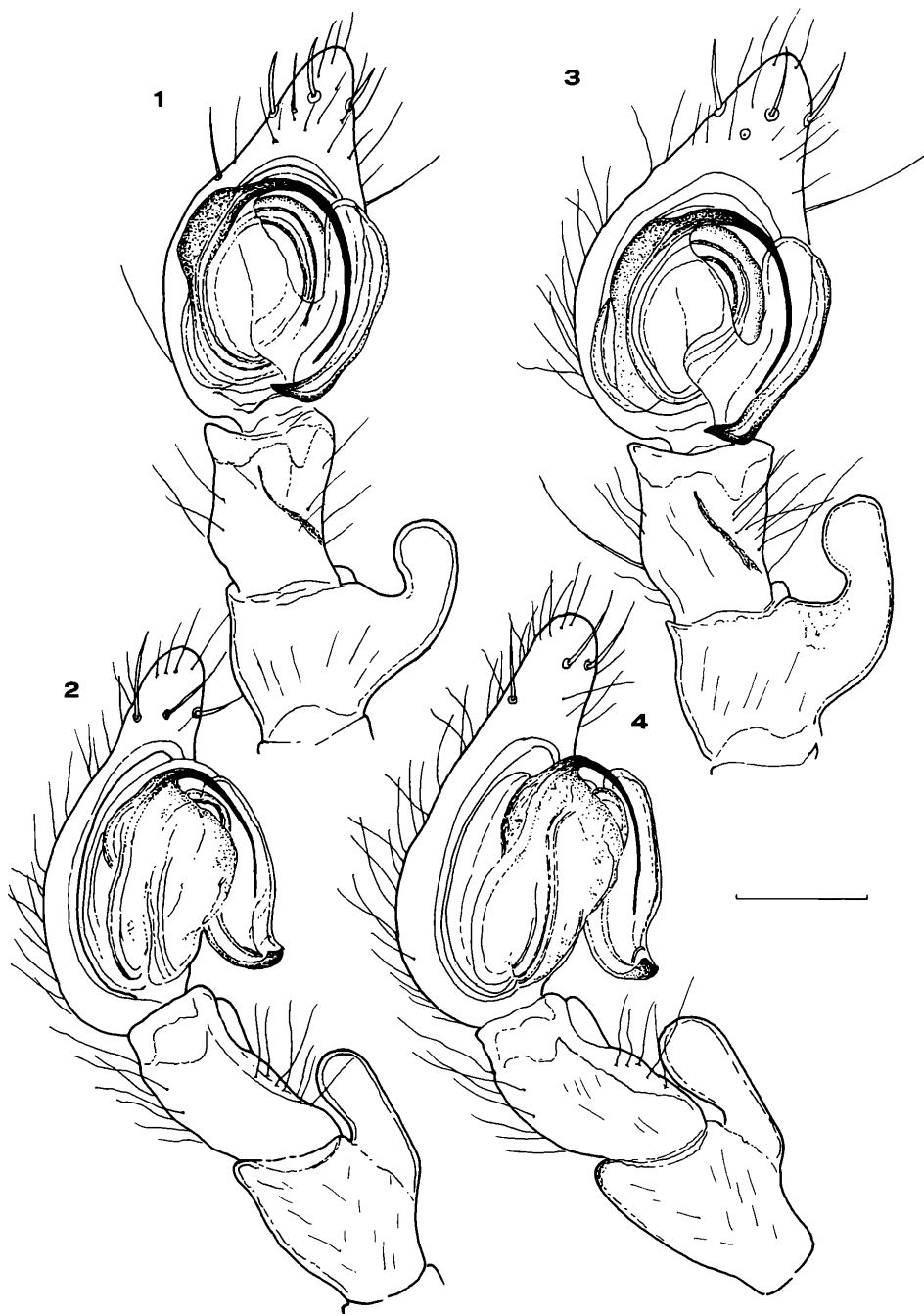
Diagnosis: Related to *C. brignolii*. The male is characterized by differences in the palps and mainly in the patellar apophysis, the female by the duct structure in the vulva.

Derivatio nominis: Latin, the name of Balkan peninsula.

Measurements of male/female (in mm): Total length 8.50/8.50. Cephalothorax, length 3.85/3.60, width 2.25/2.62; abdomen, length 3.75/3.75; sternum, length 1.72/1.50, width 1.50/1.50.

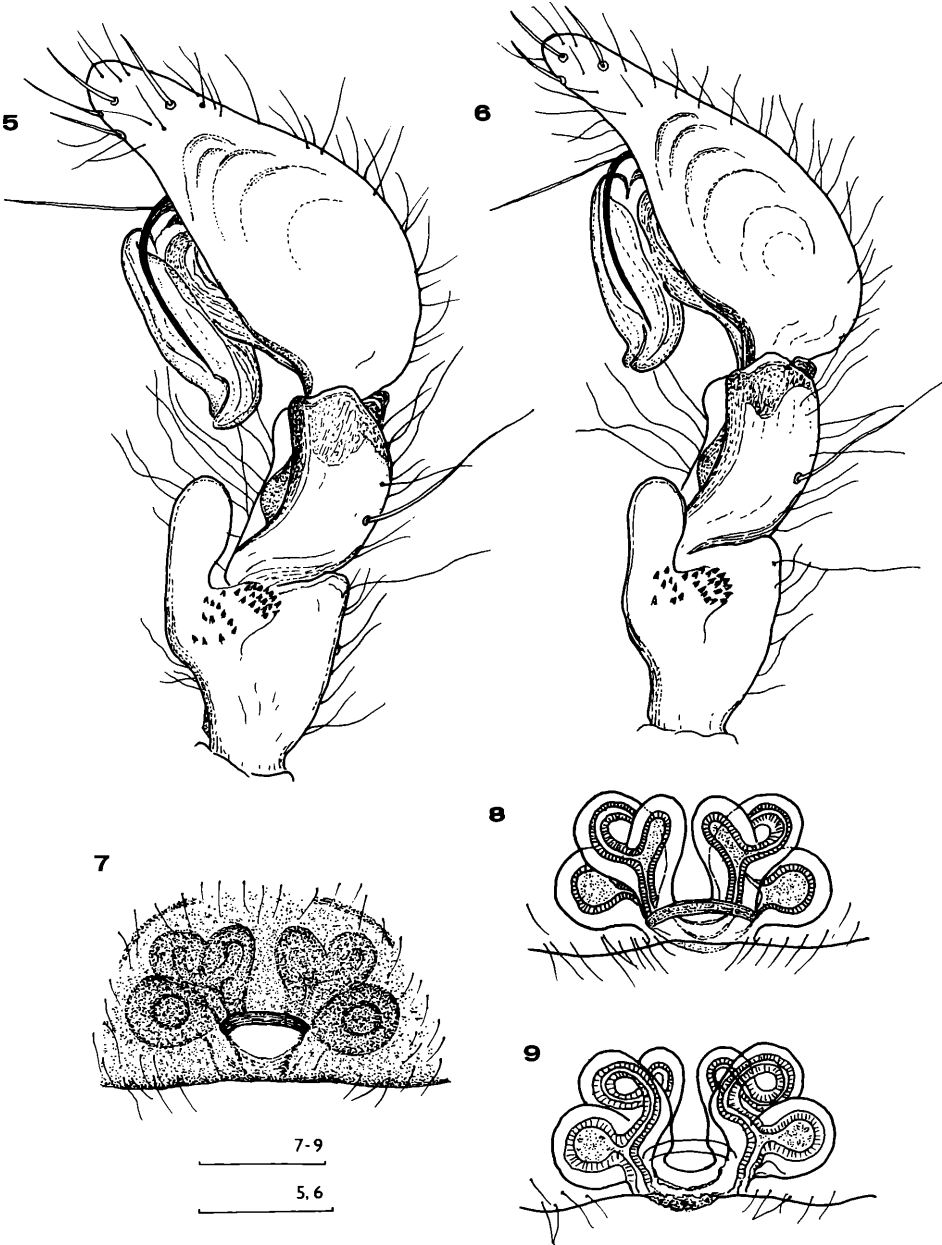
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Figs. 1–4: *Cybaeus balkanus* spec. nov.

, 3 – male palp, from below (1 – Shar mountain, 2 – Sredna gora mountain); 2, 4 – male palp, from inner side (2 – Shar mountain, 4 – Sredna gora). Scale line: 0.40 mm.



Figs. 5–9: *Cybaeus balkanus* spec. nov.
5, 6 – male palp, from outside (5 – Sredna gora mountain, 6 – Shar mountain); 7 – epigyne; 8 – vulva, ventral view; 9 – vulva, dorsal view. Scale lines: 0.40 mm (5, 6), 0.30 mm (7–9).

Cephalothorax similar in both sexes, yellow to yellow grey. Abdomen grey to dark grey with distinct white patterns symmetrically distributed. Anterior row of eyes, strongly procurved (as seen from in front); medians much smaller than laterals, which are subequal to all the remaining eyes. Posterior row nearly straight, eyes nearly equidistant. Chelicerae brown, anterior (posterior) margin with 3(6) teeth.

Legs (male/female): Yellow to yellow grey, annulated. Femur I, length 2.92/2.77.

Male palp (Figs. 1–6): Femur not so long, cylindriform with weak and long spines ventrally on basal side and stout spines dorsally on apical side. Patella with the typical for *Cybaeus* but very characteristic apophysis, covered only on the basis with short and stout spines. Tibia provided with weak but long spines and with characteristic lateral furrow. Cymbium with normal tip provided with some stout spines. The embolus and the tip of conductor is close to *minor* type (Figs. 1, 2).

Epigyne-vulva: Heart-shaped (Figs. 7–9).

Discussion: *Cybaeus balkanus* spec. nov. belongs to the *minor* group, closely related to *C. brignolii*. The both species can be separated by the spinulation and the form of the characteristic pear-shaped patellar apophysis. By *C. brignolii* the apophysis is covered with short and stout spines in all inner side, while by *C. balkanus* spec. nov. only the inner bulge (better developed) of the apophysis is covered by these typical spines (Figs. 5, 6). The picture of the female presented by BRIGNOLI (1978) as *C. abchasicus* CHARITONOV is very close to these of *C. balkanus* spec. nov. Similar is the situation with announcement of MAURER (1992a) for material from Montenegro, close to *C. brignolii*. It is quite possible, this data concern *C. balkanus* spec. nov.

Distribution and habitat: *C. balkanus* spec. nov. has been found in Sredna gora and Shar planina mountains (Bulgaria, Macedonia), under stones in forest area.

Acknowledgements

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