Pholcus songxian Zhang & Zhu, 2009

Zhang, F., Zhu, M.S. 2009. A review of the genus *Pholcus* (Araneae: Pholcidae) from China. Zootaxa 2037: 1-114.

p. 82

***Pholcus songxian* sp. nov.**
(Fig. 46)

Types. Male holotype, 5♂, 10♀ paratypes, CHINA: Henan Province, Song County [34°6'N, 112°'E], Mt. Tianchi, July 14, 2004, leg. M. S. Zhu (MHBU).

Diagnosis. Among its near *Pholcus* relatives (see the remark of *P. clavatus*), this species is very similar to *P. harveyi* **sp. nov.**, *P. huberi* **sp. nov.**, *P. parayichengicus* **sp. nov.** and *P. yichengicus* (all from Henan Province except *P. yichengicus* that occurs in the adjacent Shanxi Province) in the shape of the palpal bulb and epigynum, all with a biforked ventral apophysis of the trochanter (Figs. 15I, 17I, 33I, 46I and 60I) and a long teat-shaped epigynal apophysis (Figs. 15A, 17A, 33I, 46A and 60A). It can be distinguished from them by the shape of the tip of the procursus and appendix (Figs. 46G–I), also from *P. huberi* **sp. nov.** by the branched appendix centrally (Fig. 46H), also from *yichengicus* and *P. harveyi* **sp. nov.** by the cephalic region without brown central marks (Fig. 46C) and also from *P. parayichengicus* **sp. nov.** by the pair of large pore plates (Fig. 46B).

Etymology. The species name is a noun in apposition and refers to the type locality.

Description. Male (holotype): total body length 5.8: cephalothorax 1.7 long, 1.9 wide; abdomen 4.1 long, 1.5 wide. Leg I: 41.5 (10.6+1.0+10.0+17.1+2.7), tibia II: 6.1, tibia III: 3.9, tibia IV: 5.3; tibia I L/D: 61. Prosoma shape as in Fig. 46C. Carapace short, broad and almost circular, ochre, with brown butterfly-shaped marks broadly connecting to ocular area. Cephalic region raised, with some brown small dots centrally, ocular area dark yellow. Clypeus 0.50, dark ochre, without marks. Distance AME–AME 0.05. Diameter AME 0.10, ALE 0.20, PME 0.18, PLE 0.18. Chelicerae as in Fig. 46E, with pair of black apophyses distally, pair of unsclerotized thumb-shaped apophyses proximolaterally and pair of unsclerotized small rounded apophyses proximocentrally. Labium light yellow. Endites gray. Sternum almost dark brown, with irregular yellow patches centrally as in Fig. 46F. Femora, patellae and tibiae ochre, with dark rings, metatarsi and tarsi fawn. Abdomen cylindrical, pale ochre, dorsum with numerous small brown spots as in Fig. 46C. Venter pale brown. Palps as in Figs. 46H–I, bulb with tile-shaped uncus, appendix with median branch and hooked, ventral apophysis of trochanter biforked. Procursus as in Fig. 46G.

Variation. Tibia I in five male paratypes: 8.9–10.1 (mean 9.6). Body length in five male paratypes: 4.9–5.9.

Female: in general very similar to male. Total length of bodies 3.9–4.4. A specimen measured (Mt. Tianchi), total length 4.2: cephalothorax 1.2 long, 1.4 wide; abdomen 3.0 long, 1.3 wide. Tibia I: 8.4. Distance

p. 83

AME–AME 0.04. Diameter AME 0.09, ALE 0.15, PME 0.16, PLE 0.16. Epigynum roughly triangular as in Fig. 46A, with a large necktie-shaped apophysis on the top. Dorsal view as in Fig. 46B, with an unusual sclerotized arch anteriorly and a pair of oval pore plates centrally.

Distribution. Known from type locality only.

p. 84

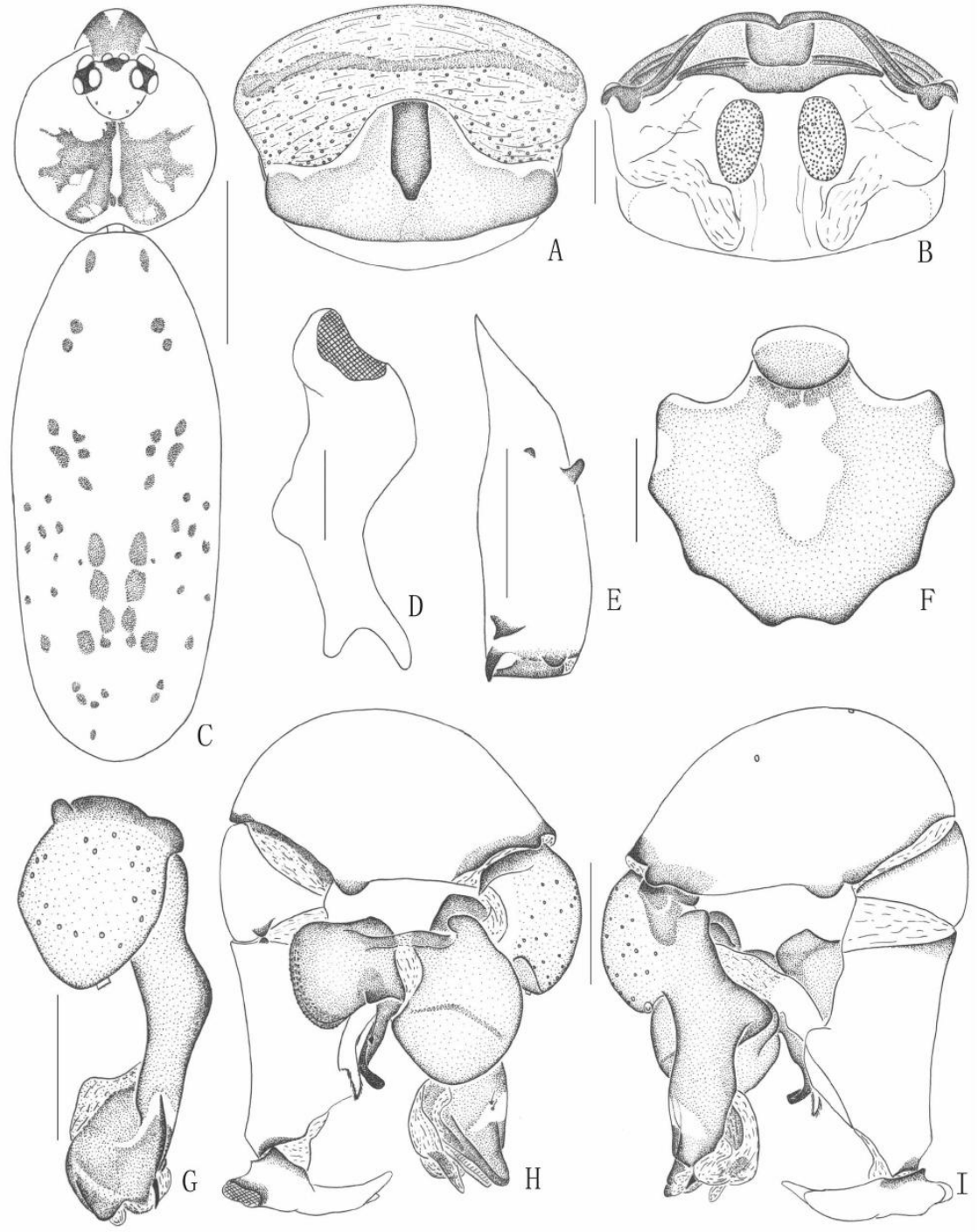

FIGURE 46. *Pholcus songxian* **sp. nov.** A. epigynum, ventral view. B. same, dorsal view. C. male body, dorsal view. D. trochanter of male left palp, dorsal view. E. male left chelicera, frontal view. F. male sternum, ventral view. G. left procursus, dorsal view. H. left palp, prolateral view. I. same, retrolateral view. Scale lines: 1.0mm (C), 0.5mm (A, B, E–I), 0.2mm (D).

Huber, B. A. 2011. Revision and cladistic analysis of *Pholcus* and closely related taxa (Araneae, Pholcidae). Bonner zool. Monographien 58: 1-510.

p. 448

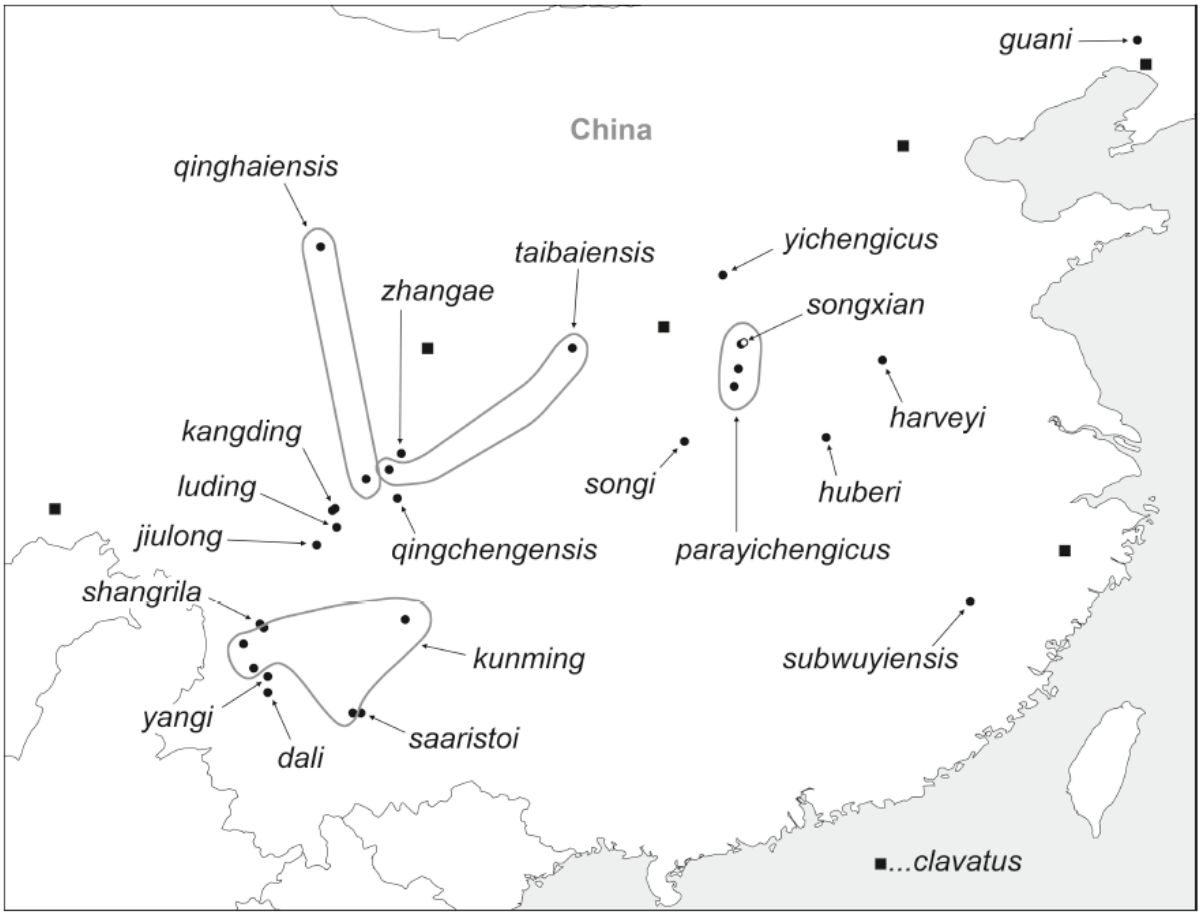

FIG. 2171. Known distribution of the *Pholcus yichengicus* species group.

p. 449

The eastern species that share a long, scape-like epigynal 'knob' (char. 67) (*Ph. guani*, *Ph. harveyi*, *Ph. huberi*, *Ph. parayichengicus*, *Ph. songxian*, *Ph. yichengicus*) may form a monophylum together with the *Ph. taishan* group (Fig. 26).