

***Pholcus chiangdao* Huber, 2011**

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

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508-510. *Ph. chiang-*

*dao*, male dorsal view; female prosomata, orange and brown color morphs.

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525, 526.

*Ph. chiangdao*.

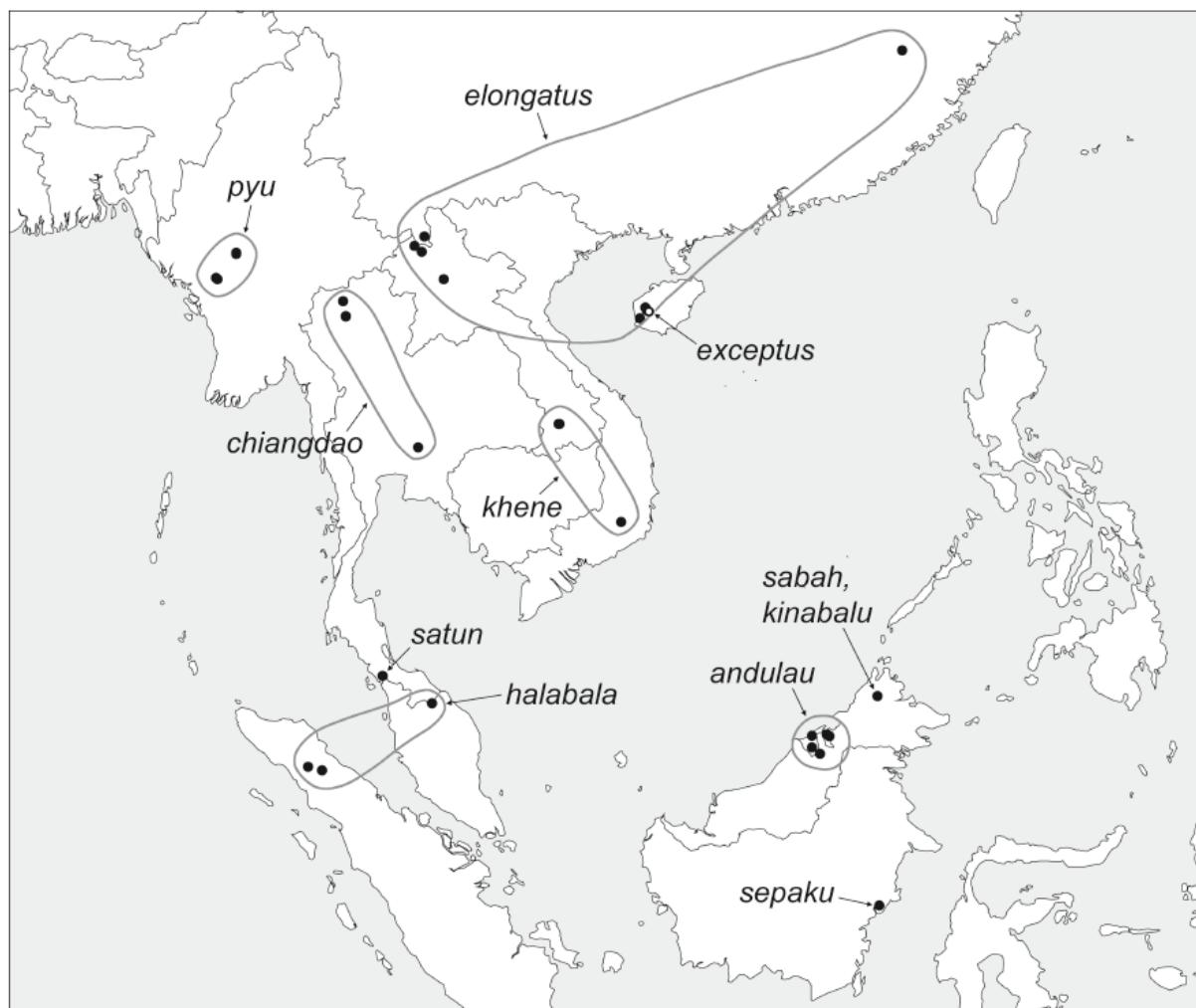


FIG. 529. Known distribution of the *Pholcus halabala* species group.

below guest house along road, 2.x.2003 (ATOL Expedition 2003), in MACN.

*Etymology.* The specific name is a noun in apposition, derived from the type locality.

*Diagnosis.* Distinguished from most congeners by combination of absence of AME, orange mark on male carapace (Fig. 508), and male cheliceral morphology (Fig. 549); from very similar *Ph. khene* and *Ph. kinabalu* by male palpal morphology (shapes of pro-cursus and appendix; Figs. 547, 548) and female internal genitalia (elongate pore plates, Figs. 526, 551).

*Male* (holotype). Total body length 4.1, carapace width 1.1. Leg 1: 36.7 (8.5 + 0.5 + 8.5 + 17.1 + 2.1), tibia 2: 5.1, tibia 3: 2.9, tibia 4: 4.5; tibia 1 L/d: 80. Habitus as in Fig. 508. Carapace pale ochre-yellow with orange median mark including ocular area, clypeus ochre-yellow, sternum whitish, legs pale ochre-yellow, patellae and tibia-metatarsus joints brown, abdomen pale ochre-gray. Distance PME-PME 495  $\mu$ m, diameter PME 115  $\mu$ m, distance PME-ALE 35  $\mu$ m, no trace of AME. Ocular area elevated, triads on short stalks directed laterally. No thoracic furrow (only dark line anteriorly); clypeus unmodified. Chelicerae as in Fig. 549, distal apophyses apparently without modified hairs, proximally with one pair of light frontal apophyses. Sternum wider than long (0.7/0.6), unmodified. Palps as in Figs. 547 and 548, coxa unmodified, trochanter with distinctively bent retrolatero-ventral apophysis, femur barely modified, pro-cursus with strong ventral apophysis distally, bulb with uncus, short weakly sclerotized embolus, small and simple curved appendix. Legs without spines and curved hairs, few vertical hairs (many hairs missing); retrolateral trichobothrium on tibia 1 at 4%; pro-lateral trichobothrium absent on tibia 1, present on other tibiae; tarsal pseudosegments indistinct, only distally visible in dissecting microscope.

*Variation.* Tibia 1 in 2 other males: 9.3, 9.5.

*Female.* In general similar to male but triads closer together (distance PME-PME 250  $\mu$ m). Females appear to be dimorphic in coloration (Figs. 509, 510): morph a, with orange carapace like males, clypeus with brown transverse band below light field under ocular area; morph b, with brown mark on carapace and brown clypeus. Of the five females collected with the male type, three are morph a, two morph b. Tibia 1 in 5 females: 6.4-7.5 (mean 6.8). Epigynum slightly to strongly protruding, dark internal arc visible through cuticle anteriorly (Fig. 525), posteriorly with narrow sclerite with

*Pholcus chiangdao* n. sp.

Figs. 508-510, 525, 526, 547-551

*Type.* Male holotype from Thailand, Chiang Mai Prov., Doi Chiang Dao Wildlife Sanctuary, Ampheng Chiangdao (19°19.2'N, 98°49.8'E), ca. 1500 m a.s.l.,

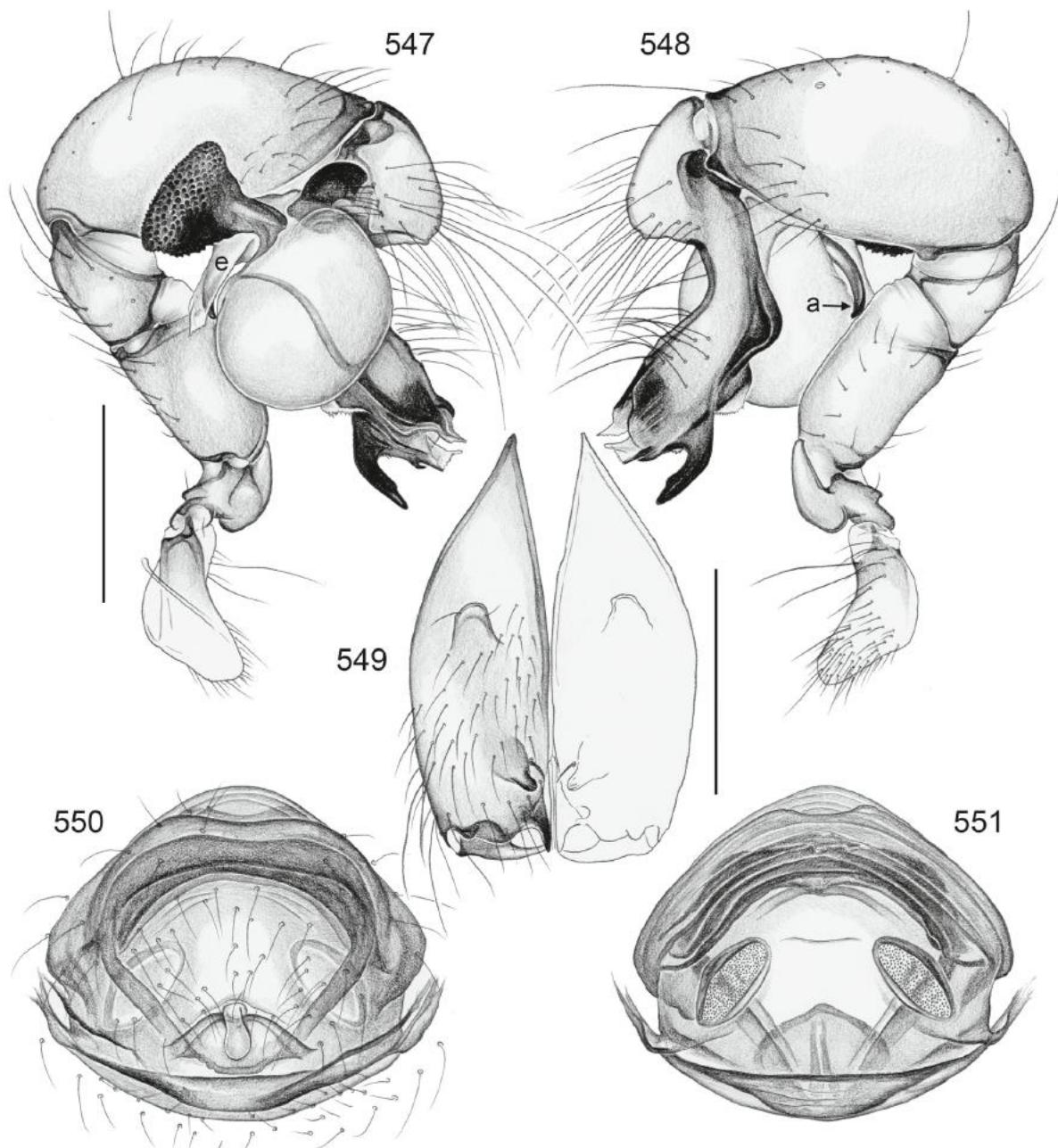


FIG. 547-551. *Pholcus chiangdao*. 547, 548. Left male palp, prolateral and retrolateral views. 549. Male chelicerae, frontal view. 550, 551. Cleared female genitalia, ventral and dorsal views. Scale lines: 0.5 (547, 548), 0.3 (549).

'knob' (Fig. 550); internal genitalia as in Figs. 526 and 551.

*Distribution.* Known from Thailand, Chiang Mai Prov., and from specimens assigned tentatively (because no males available) from Nakhon Nayok Prov. (Fig. 529).

*Material examined.* THAILAND: Chiang Mai Prov.: Doi Chiang Dao Wildlife Sanctuary, Ampheng Chiangdao: ♂ holotype above; same data, 5♀ in MACN.

Chiang Mai Distr., Doi Suthep near Monthathan waterfalls [18°49.0'N, 98°55.5'E], 750 m a.s.l., 11.ii.1997 (P. Schwendinger), 2♂ in MHNG; Doi Suthep [18°48.3'N, 98°55.3'E], 1150 m a.s.l., 17.xi.1990 (P. Schwendinger), 1♀ in MHNG.

*Assigned tentatively:* THAILAND: Nakhon Nayok Prov.: Khao Yai N. P. [-14°24'N, 101°22'E], primary forest near water, 5.xi.1987 (C.L. & P.R. Deelman), 1♀ in RMNH.