

Wugigarra tjakukai Huber, 2001

Huber, B. A. 2001. The pholcids of Australia (Araneae; Pholcidae): Taxonomy, biogeography, and relationships. *Bull. Amer. Mus. Nat. Hist.* 260: 1-144.

p. 13

Wugigarra tjakukai, new species

Figures 1–12

Psilochorus sphaeroides (misidentification; see Notes below): Jackson and Rowe, 1987; Jackson 1992; Jackson et al., 1992.

?“*Psilochorus*” sp. 1: Huber, 1998: fig. 2M (see Notes below).

NOTES: Robert Jackson and coworkers did not publish detailed collection data of the material they identified as *Psilochorus sphaeroides* (only “Cairns”, or “near Cairns”). A label accompanying the type material of the present species reads “R. R. Jackson, voucher specimens”, but these specimens were collected after the publication of all the papers listed above. Nevertheless, since the only four vials in the QMB containing specimens collected by R. Jackson contain the present species, I find it highly probable that this is actually the species studied by Jackson and coworkers.

Secondly, the species whose “valve” was studied in Huber (1998) is either conspecific or very close to the present species. (I copied the erroneous label, saying “Mittag Mittag”, which should be “Millaa Millaa”.)

TYPE: Male holotype from Crystal Cascades near Cairns (16°58'S, 145°42'E), Queensland, Australia; Dec. 1992 (R. R. Jackson), in QMB (S34679).

ETYMOLOGY: Named for the Tjakukai, a rainforest tribe in northeastern Queensland. The species name is a noun in apposition.

DIAGNOSIS: Distinguished from most congeners by the modified male clypeus (figs. 2–4), from all known congeners (including the very similar *Wugigarra mamu*) by the shapes of procurus tip (figs. 10, 11) and dorsodistal bulbal elements (fig. 12).

MALE (holotype): Total length 3.9, carapace width 1.84. Leg 1: 53.9 (13.1 + 0.7 + 12.4 + 19.7 + 3.1), tibia 2: 8.1, tibia 3: 6.0, tibia 4: 8.4; tibia 1 l/d: 79. Habitus and prosoma shape as in figs. 1–4. Carapace ochre with wide median and marginal brown

p. 14

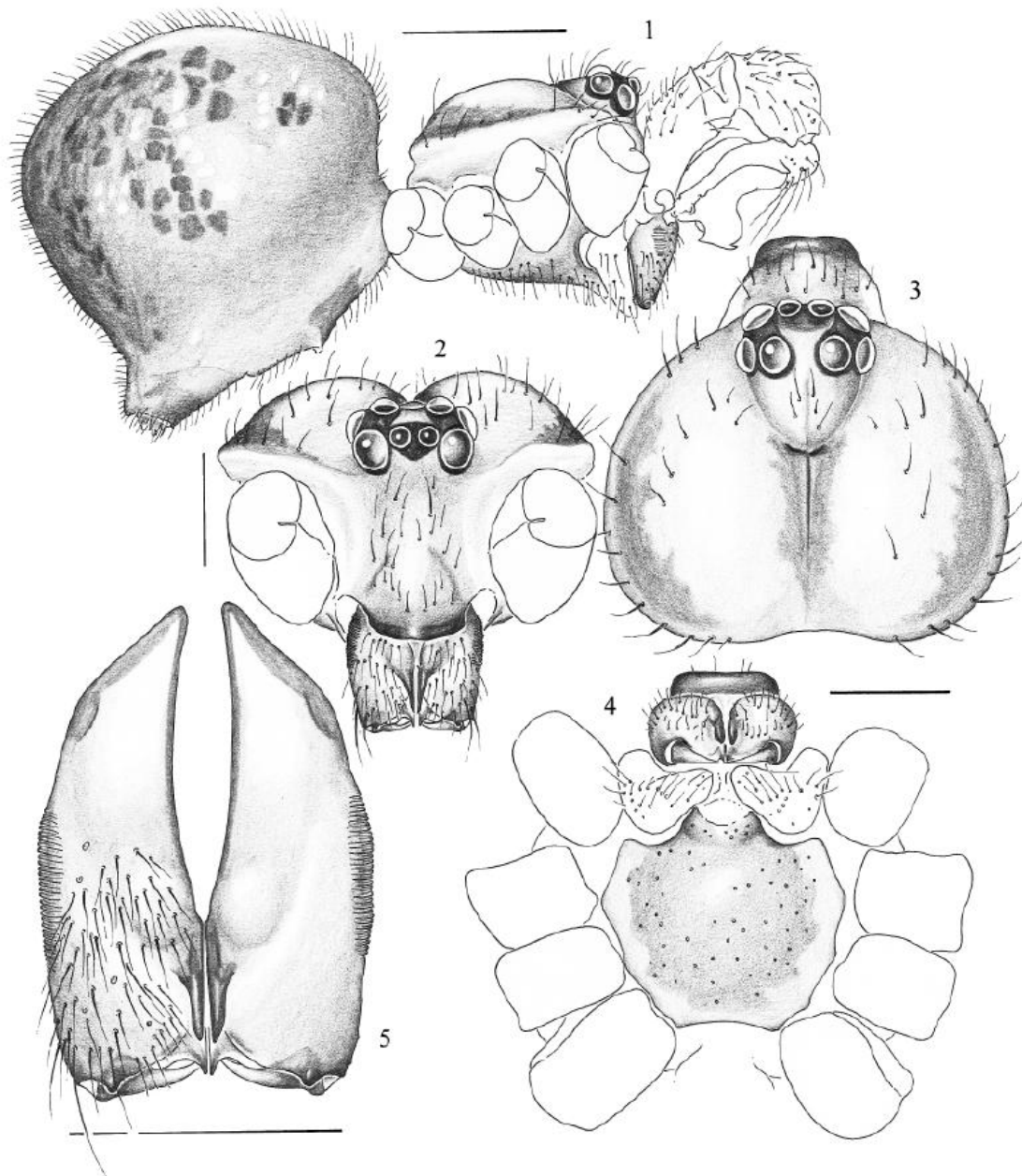
bands, thoracic furrow black (fig. 3). Ocular area brown; distance PME-PME 0.135; diameter PME 0.135; distance PME-ALE 0.105; diameter AME 0.105. Clypeus ochre yellow, distally modified into black sclerotized rim (figs. 2–4); sternum dark brown, with small yellowish speckles, margins lighter (fig. 4). Chelicerae light brown, with pair of black pointed apophyses medially and low humps at their bases (fig. 5); apophyses not visible in lateral view (fig. 1). Palps as in figs. 6–7, mostly ochre-yellow, only procurus and bulb partly brown to black; procurus tip and bulb distinctive, as in figs. 6, 7, 10–12. Legs ochre to light brown, without dark rings, tips of femora and tibiae whitish; curved hairs on tibiae and metatarsi; without spines and vertical hairs; retrolateral trichobothrium of tibia 1 at 8%; tarsus 1 with >40 distinct pseudosegments. Opisthosoma roundish, as in fig. 1, gray, with black and white spots except ventrally; genital plate brown, about trapezoidal; brown plate in front of spinnerets.

VARIATION: Tibia 1 in 7 males: 10.1–12.4 (\bar{x} = 11.4).

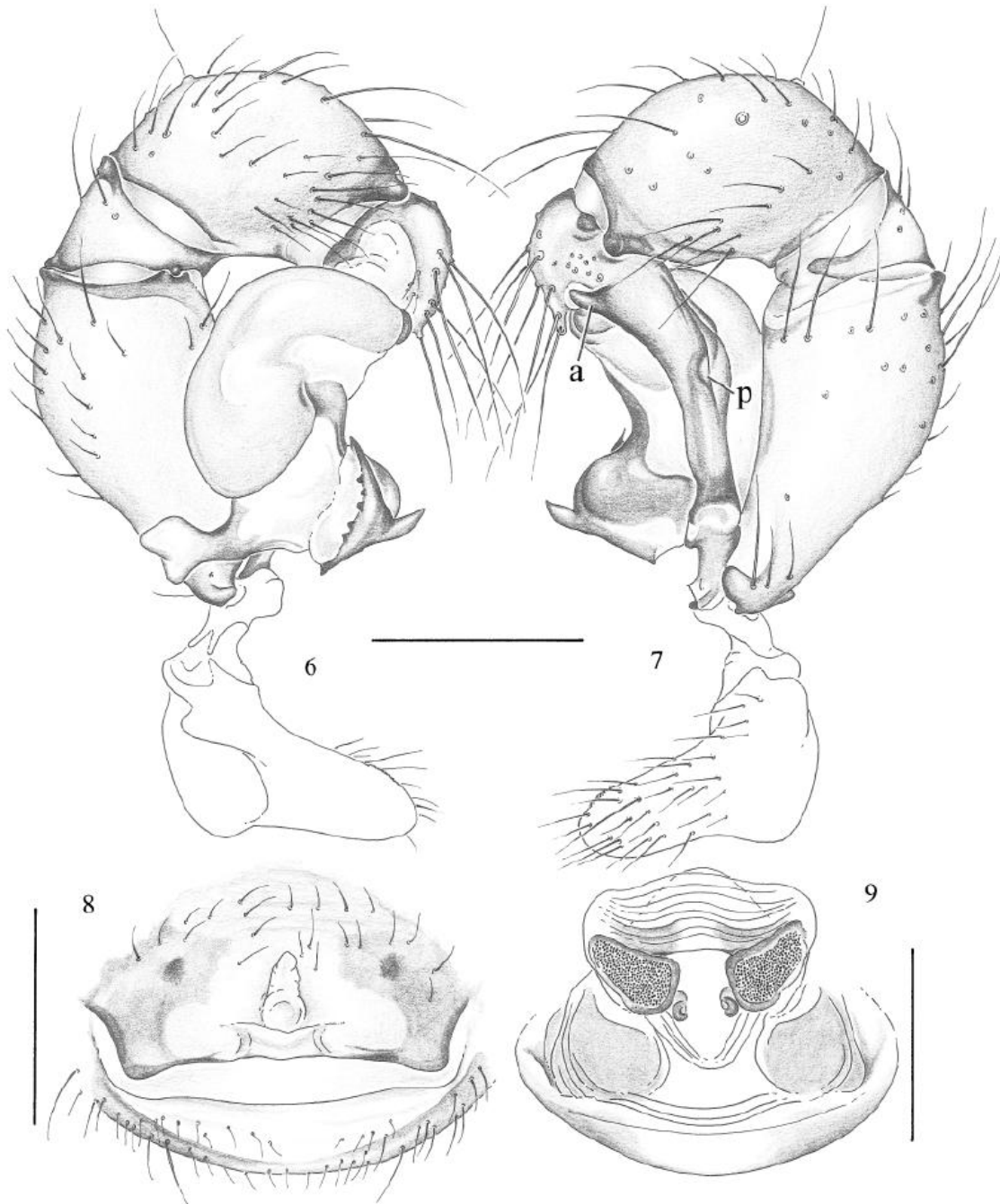
FEMALE: In general very similar to male. Tibia 1 in 11 females: 8.8–10.9 (\bar{x} = 9.7). Epigynum as in fig. 8, anterior plate laterally dark brown, medially whitish, with transparent scape, posterior plate light brown; dorsal view as in fig. 9.

DISTRIBUTION: Known from the Cairns area (northeastern Queensland) and from one locality about 300 km SSE of Cairns (map 4).

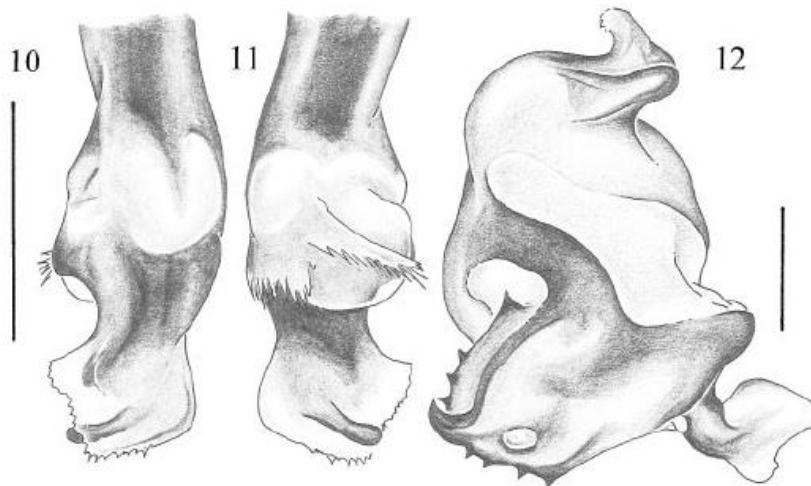
MATERIAL EXAMINED: AUSTRALIA: Queensland: Crystal Cascades near Cairns: Male holotype above, with 1♂ 3♀, “R. R. Jackson, voucher specimens” (QMB S20897); same locality, Dec. 1982 (R. R. Jackson), 4♂ 4♀ (QMB S49973, 49963); Lamb Range (17°06'S, 145°37'E), Jan. 23, 1972 (N. Clyde Coleman), 1♂ (QMB S49979); Redlynch (16°53'S, 145°42'E), Jan. 1980 (R. R. Jackson), “prey of *Portia*”, 5♂ 5♀ (QMB S49812); Lower Mulgrave River (19°51'S, 147°10'E), Sept. 19, 1971 (N. Clyde Coleman), 1♂ 1♀ (QMB S49883).



Figs. 1–5. *Wugigarra tjapukai*, n. gen., n. sp., male. 1. Habitus, lateral view. 2–4. Prosoma, frontal, dorsal, and ventral views. 5. Chelicerae, frontal view. Scale lines: 1 mm (1), 0.5 mm (2–5).

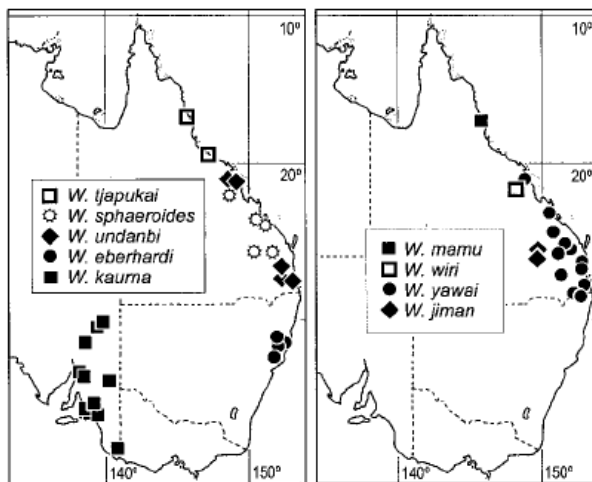


Figs. 6–9. *Wugigarra tjapukai*, n. gen., n. sp. 6, 7. Left male palp, prolateral (6) and retrolateral (7) views; “a”, “p” = apophysis and pocket. 8, 9. Epigynum, ventral (8) and dorsal (9) views. Scale lines: 0.5 mm.



Figs. 10–16. *Wugigarra tjapukai*, n. gen., n. sp. (10–12), 10, 11.
Tip of left procursus, retrolateral (10) and prolateral (11) views. 12. Left genital bulb, dorsal (slightly retrolateral) view.

Scale lines: 0.2 mm.



Maps 4, 5. Distribution of *Wugigarra* species: *tjapukai* group.