

- passing through a distinct posterolateral corner into the lateral margin of the head (Fig. 15) 5
- Posterior margin of head broadly arched in full face view, the arch beginning at the occipital collar and with at most a weak angle separating the posterior and lateral margins of the head (often posterior and lateral margins forming a continuous surface) (Fig. 9) 6
- 5. Scape relatively short (SI less than 125, Fig. 23) (occurring in e. Queensland and ne. New South Wales) *pythia*
- Scape relatively long (SI greater than 135, Fig. 23) (occurring in Northern Territory) *reichelae*
- 6. Shorter erect hairs on mesosomal dorsum (especially those on mesonotum) with blunt tips; dorsal surfaces of propodeum and propodeal spines connected through a gentle concavity (so that the base of each spine is at approximately the same level as the dorsal surface of the propodeum) (Fig. 10) *longiceps*
- Erect hairs on mesosomal dorsum tapering to sharp points; dorsal surfaces of propodeum and propodeal spines connected through a gentle concavity followed by a gentle convexity (so that the base of each spine is raised slightly above the dorsal surface of the propodeum) (Fig. 8)..... 7
- 7. Head relatively narrow (Fig. 21), scape relatively long (Fig. 22) (occurring in n. Northern Territory and n. Western Australia) *kimberleyensis*
- Head relatively broad (Fig. 21), scape relatively short (Fig. 22) (occurring in Queensland)..... *barbara*

***Aphaenogaster barbara* sp. n.**

(Figs 1, 2, 21, 22, 24)

Types. Holotype worker, Australia, Queensland, 3km NE Mt. Webb, 15°03S 145°09E, 30 April–3 May, 1981, J. E. Feehan (ANIC) (ANIC32-031017); paratype workers, 33 (same data as holotype) (ANIC32-001260) (ANIC, MCZC, QMBA).

Diagnosis. Hairs on venter of head randomly distributed and not forming a distinct psammophore (Fig. 2); head relatively broad (Fig. 21), its posterior margin broadly arched in full face view (Fig. 1); scape relatively short (Fig. 22); erect hairs on mesosomal dorsum tapering to sharp points; propodeal spines long, the dorsal surfaces of propodeum and propodeal spines connected through a gentle concavity followed by a gentle convexity (so that the base of each spine is raised slightly above the dorsal surface of the propodeum) (Fig. 2). This species can be separated from the similar *A. kimberleyensis* by the broader head and shorter scapes (see that species for additional notes on separating these taxa).

Description. Posterior margin of head broadly arched in full face view, the arch beginning at the occipital collar and with at most a weak angle separating the posterior and lateral margins of the head (often posterior and lateral margins forming a continuous surface). Hairs on venter of head randomly distributed and not forming a distinct psammophore. Mandibular sculpture composed of regularly sized striations. Erect hairs on mesosomal dorsum tapering to sharp points. Propodeal spines long. Dorsal surfaces of propodeum and propodeal spines connected through a gentle concavity followed by a gentle convexity (so that the base of each spine is raised slightly above the dorsal surface of the propodeum). Petiolar node (in dorsal view) longer than broad.

Measurements. Worker (n = 12). CI 84–91; EI 17–20; EL 0.20–0.24; HL 1.22–1.51; HW 1.04–1.29; ML 1.82–2.17; MTL 1.23–1.62; SI 133–156; SL 1.55–1.82.

Material examined (in ANIC unless otherwise noted). **Queensland:** 10km E Mareeba (Lowery,B.B.); 12km N Collinsville (Lowery,B.B.); 14km W by N Hope Vale Mission (Feehan,J.E.); 15km S Eton (Lowery,B.B.); 15mi. W Mt. Garnet (Lowery,B.B.); 20km N Monto (Lowery,B.B.); 24mi. NE Clermont (Dowse,J.E.; Lowery,B.B.); 25km W Mt. Garnet (Lowery,B.B.); 30mi. N Tambo (Lowery,B.B.); 39mi. NNW Taroom; 50km S Mackay (Lowery,B.B.); 5km E Pentland (Lowery,B.B.); 8km E Woodstock (Green-slade,P.J.M.); Camel Ck. Stn (Harrington,S.A.); Emu Creek, Mareeba (Lowery,B.B.); Expedition Ra., 50km E