

scapes, middle and hind femora and tibiae, mesosomal dorsum, petiolar node, and first gastral tergite (excluding extreme posterior margin). Head capsule smooth anteriorly, very weakly punctate and coriaceous posteriorly, with the entire head surface shiny; mesosoma with at most very weak sculpturing and shiny. For additional characters, see 'Worker Diagnosis', 'Key' and the definition and discussion of the *calvus* complex.

Measurements

Holotype. CI 0.93; EL 0.21; EW 0.13; HL 0.90; HTL 1.24; HW 0.84; ML 0.42; PnL (not observable); PpL 0.49; REL 0.25; SI 1.07; SL 0.90.

Worker ($n=1$). CI 0.86; EL 0.18; EW 0.12; HL 0.85; HTL 1.19; HW 0.73; ML 0.39; PnL 0.47; PpL 0.41; REL 0.25; SI 1.19; SL 0.87.

Comments

Iridomyrmex obsidianus is known from only 3 individuals, the 2 type specimens and one worker which was collected from sifted litter.

Iridomyrmex occiduus, sp. nov.

(Figs 18, 19, 36)

Iridomyrmex sp. 20 (ANIC).—Majer, 1978: 328; Majer, 1980a: 6; Majer, 1980b: 13–16; Majer, 1980c: 16.

Iridomyrmex sp. J.D.M. 84.—Rossbach and Majer, 1983: 87.

Material Examined

Holotype. Worker, Western Australia, Jarrahdale [c. 34°54'S., 117°55'E.], 23.iii.1975, A. M. and M. J. Douglas (ANIC, type no. 7996).

Paratypes. 32 worker, 3 queen and 7 male paratypes, same data (and nest series) as holotype; 15 worker, 7 queen and 4 male paratypes, same data (but different nest series) as holotype. Numerous larvae and male pupae from the non-holotype nest series are stored in alcohol in ANIC Ant Vial 27.113.

Other material (in ANIC). **Western Australia**: 10 miles NW. of Pemberton (RWT); 11 miles N. of Denmark (RWT); 15 miles NE. of Albany (TG); 30 km N. of Esperance, 33°49'S., 122°14'E. (RWT); Albany (W. B. Bernard); Augusta (JDM); Dwellingup (JDM); Karragullan (B. Heterick) (JDMC); Mundaring (JC; TG); nr Stirling Dam (B. Heterick) (JDMC).

Worker Diagnosis

A member of the *calvus* complex with the following characteristics: scapes and femora and tibiae of middle and hind legs with erect or suberect hairs; erect hairs present on gula; head and mesosoma generally dark reddish brown, occasionally yellowish red, but always with the head and pronotum similar in colour. *Iridomyrmex occiduus* is most similar to *I. argutus*, but may be separated by the presence of erect hairs on the gula and the uniform colour of the head and mesosoma.

Description

Pigment colour of entire body generally dark reddish brown to black, occasionally yellowish red. Erect or suberect hairs present on entire lateral margin of head (in full face view) (although shorter and less abundant on sides near compound eyes), scapes, mesosomal dorsum, middle and hind femora and tibiae, petiolar node, and first gastral tergite. Head capsule and mesosoma smooth, without sculpture, very shiny. For additional characters, see 'Worker Diagnosis', 'Key' and the definition and discussion of the *calvus* complex.

Measurements

Holotype. CI 0.96; EL 0.20; EW 0.12; HL 0.85; HTL 0.98; HW 0.82; ML 0.40; PnL 0.46; PpL 0.41; REL 0.24; SI 0.93; SL 0.76.