

Iridomyrmex cappoinclinus, sp. nov.

(Figs 30, 31, 37)

Material Examined

Holotype. Worker, Northern Territory, 73 km S. of Alice Springs, 24°15'S., 133°26'E., 22.i.1991, S. O. Shattuck (SOSC # 2116) (ANIC, type no. 7991).

Paratypes. 13 workers, same data as holotype (ANAC, ANIC, BMNH, MCZC).

Other material (in ANIC). **South Australia:** 120 km NE. of Macumba HS, Simpson Desert (PJMG); Purni Bore, SW. Simpson Desert (PJMG).

Worker Diagnosis

A member of the *rufoinclinus* complex with the following characteristics: dorsal surface of head with an infuscated dark reddish brown to brown-black spot which does not reach the lateral margin in full face view, remainder of head, entire mesosoma and petiole reddish; propodeum low and flattened dorsally (Fig. 31); $CI \leq 0.97$.

Description

Pigment colour of dorsal surface of head (from posterior margin anteriorly between compound eyes to posterior clypeal margin, and central clypeus) and all coxae dark reddish brown; remainder of head (including scapes, mandibles and outer margin of clypeus), mesosoma, femora, tibiae and petiole yellowish to reddish; gaster dark reddish brown. Elongate (greater than maximum scape width), pale erect hairs present on posterior surface of head and dorsal surfaces of mesosoma, petiole and gaster; shorter pale erect hairs present on lateral margin of head and all leg segments; scape with scattered erect hairs; psammophore well developed. For additional characters, see 'Worker Diagnosis', 'Key' and the definition and discussion of the *rufoinclinus* complex.

Measurements

Holotype. CI 0.93; EL 0.31; EW 0.18; HL 1.32; HTL 1.70; HW 1.23; ML 0.59; PnL 0.83; PpL 0.76; REL 0.25; SI 0.89; SL 1.09.

Worker ($n=6$). CI 0.93–0.97; EL 0.32–0.33; EW 0.18–0.20; HL 1.26–1.36; HTL 1.67–1.79; HW 1.21–1.30; ML 0.58–0.65; PnL 0.72–0.86; PpL 0.71–0.77; REL 0.25–0.27; SI 0.88–0.90; SL 1.07–1.14.

Comments

Iridomyrmex cappoinclinus is known from three collections made in arid areas. The type series was collected from the summit of a low sand dune covered with *Acacia* and *Triodia*. The nest was in loose sand and consisted of a single entrance in a slight depression (c. 2 cm deep by 8 cm diameter). Individual workers were actively carrying soil from within the nest but surface foraging was not observed. The other collections were from a *Triodia*-covered area, and a dune vegetated with *Acacia*.

Iridomyrmex cephaloinclinus, sp. nov.

(Figs 32, 33, 37)

Material Examined

Holotype. Worker, Western Australia, Pretty Pool (Caravan Park), Port Hedland, 20°18'44"S., 118°38'14"E., 26.iv.1992, S. O. Shattuck (SOSC #3219) (ANIC, type no. 7992).

Paratypes. 75 workers, same data as holotype (ANIC, BMNH, MCZC).

Other material (in ANIC). **Queensland:** 25 km S. of Woodstock (PJMG). **Western Australia:** 11 miles WSW. of Nita HS, SSW. of Broome (R. S. McInnes and JED); 50 km N. of Carnarvon, 24°26'S., 113°59'E. (SOS); 70 km S. of Exmouth (B. Heterick) (JDMC); Karratha (JDM).