

UNDESCRIBED FORMS OF *CAMPONOTUS (COLOBOPSIS) VITIENSIS*
FROM THE FIJI ISLANDS (HYMENOPTERA, FORMICIDAE)

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Camponotus (Colobopsis) vitiensis Mann.

1921, *Bull. Mus. comp. Zool.* 64 : 490.

2♂. Shining black, mandibles brownish-red, tip of last joint of antennae, and last joint of tarsi, lighter red. Furnished with very sparse short erect black hairs on head and gaster. Sculpture very finely coriaceous, with very small, fairly close, shallow punctures, some 4 or 5 larger punctures extend along the frontal carinae, and 2 setiferous punctures are situated on each side, inside the frontal carinae before sinuation at the base. *Head* longer than broad, narrower at apex than at base, posterior angles rounded, posterior border widely excised. Anterior portion of head flat, sloping not very abruptly from apex of frontal carinae to anterior border of clypeus, with a shallow fovea on each side about the middle of sides; *mandibles* powerful, triangular, longitudinally striate and punctured, masticatory border armed with 3 large teeth at apex, the apical one longer and sharper than the other two, the second longer than the third, rest of border bearing some 10 considerably smaller teeth; *clypeus* flat, smooth and shining, anterior border slightly projecting, round, bisinuate at each side; *frontal area* indistinct; *frontal furrow* short, somewhat deep; *frontal carinae* not much raised, divergent posteriorly, and sinuate at base; *eyes* moderate, round oval, slightly prominent; *antennae* moderate, inserted at about the middle of the frontal carinae, *scape* narrow and curved at apex, thickened to base, finely punctured, not reaching posterior border of head, *funiculus* pubescent, all the joints longer than broad, last joint finely pointed, slightly longer than the two preceding taken together. *Thorax* robust, convex, broader anteriorly than posteriorly; *pronotum* convex, narrowly margined at apex and sides, sides rounded, contracted in front and behind, broadest about middle, encircling mesonotum; *mesonotum* convex, somewhat prominent, slightly higher than pronotum, anterior border round, posterior border almost straight; *metanotum* narrow, but distinct, slightly raised; *epinotum* prominent, convex, rounded, dorsal surface rather flat on disc, about the same length as declivity, angle between dorsal surface and declivity well marked but rounded, declivity flat but slightly concave at base, posterior border margined and raised in centre. *Petiole* with node longer than high in profile, anterior surface flat, rounded at sides, posterior surface somewhat concave, upper surface excised in middle with side angles forming blunt round points, or, as Mann describes them in the ♀, short blunt cones; *gaster* moderate, somewhat flat, long oval, anterior border and angles rounded, bluntly pointed at apex. *Legs* moderate, femora and tibiae strongly compressed. *Long.* 9.9 mm.

More shining than worker, posterior margin of epinotum, node of petiole, and femora and tibiae, constructed as in worker.

♀. Shining black, structure, sculpture, hairs, etc., much as in 2♂. *Head* more massive and somewhat longer in proportion than in 2♂, posterior border less excised, the sloping anterior part of head similar, the two shallow foveae somewhat more distinct; *mandibles* more massive, darker in colour, masticatory border armed with some 6 or 7 strong teeth, increasing in length and sharpness to apex; *eyes* somewhat larger in proportion; *ocelli* moderate; *antennae* longer in proportion, inserted at about the middle of the frontal carinae, *scape* extending beyond posterior border of head. *Thorax* somewhat narrow, longer than broad, broadest just before insertion of fore-wings, narrowed in front and behind; *pronotum* transverse, considerably narrowed anteriorly; anterior border and

sides narrowly margined, encircling mesonotum; *mesonotum* larger, longer and higher than pronotum, rather flat on scutum, anterior border and sides rounded, two very shallow narrow, not very distinct, divergent longitudinal impressions extending a short distance from anterior border on scutum, posterior border separated from praescutellum by a very narrow waved suture, no distinct suture between *praescutellum* and scutellum; *scutellum* not prominent, somewhat flat on disc, level in profile with mesonotum, rounded posteriorly, sides sloping, posterior border margined and raised at sides; *metanotum* narrow, somewhat raised, separated from scutellum and epinotum by rather deep sutures; *epinotum* transverse, dorsal surface flat, somewhat shorter than declivity, angle between dorsal surface and declivity well marked but rounded, declivity flat in middle, posterior border margined and slightly raised in centre. *Petiolar node* transverse, anterior surface convex, posterior surface flat, upper surface raised in middle, sinuate at sides, side angled forming somewhat sharp points; *gaster* long, oval, fairly large, longer and broader than rest of body, somewhat flat above, pointed at apex. *Legs* fairly long, femora and tibiae compressed. *Wings* ample, yellowish, pterostigma and veins light brownish-yellow, typical *Camponotus* wings, fore-wing with one cubital, long closed radial, but no discoidal cell present. *Long.* 16 mm.

♂. Black, rather dull except gaster, legs and scape of antennae dark brown, mandibles, funiculus, tarsi and genitalia yellowish, whole body finely coriaceous. *Head* triangular, narrowed anteriorly, posterior border round, posterior angles rounded; *mandibles* narrow, triangular, masticatory border armed with 3 or 4 teeth; *clypeus* transverse, rather large, anterior border round, sinuate at sides, posterior border almost straight; *frontal area* indistinct; *frontal furrow* fine, narrow, reaching median ocellus; *frontal carinae* short, rather flat, divergent posteriorly; *ocelli* moderate; eyes large, round oval, very prominent; *antennae* long, *scape* extending considerably beyond posterior border of head, *funiculus* with all joints elongate, narrowed to apex, first joint swollen at apex, last joint not longer than the two preceding taken together. *Thorax* longer than broad, narrowed in front and behind, broadest before insertion of fore-wings; *pronotum* short, transverse, narrowed and finely margined anteriorly; *mesonotum* large, convex, prominent, anterior border and sides rounded, posterior border almost straight, two very narrow, smooth, longitudinal spaces divergent posteriorly, extending on to disc of scutum; *praescutellum* narrow, transverse, smooth, separated from mesonotum and scutellum by very fine but distinct sutures; *scutellum* convex, moderately prominent, flat and level with mesonotum anteriorly; *metanotum* narrow, transverse, raised, separated from scutellum and epinotum by rather deep sutures; *epinotum* convex, narrowed to base, sloping, angle between dorsal surface and declivity not defined, posterior border finely margined. *Node of Petiole* slightly longer than high in profile, anterior surface flat, posterior surface slightly convex, shorter than anterior surface, upper surface slightly excised in middle; *gaster* long oval, narrowed to apex; *genitalia* exerted, typical camponotine. *Legs* long, slender, femora and tibiae compressed. *Wings* as in ♀, but smaller in proportion, paler and iridescent. *Long.* 8 mm.

Described from one soldier, three-winged females and one male, taken by R. A. Lever on a tree in company with seven workers, on Mt. Evans, Fiji, No. H.706.

Soldier, female, and male types in British Museum (Natural History).

This species was first described by W. H. Mann from a large series of workers found on the ground and on the trunks of kauri trees at Viti Levu: Nadarivatu, Fiji.

Mann remarks that the nests are probably situated high up in these kauri trees. He also says: "As they run about, the workers elevate the gaster and carry it held forward over the thorax."