

only slightly shorter on the head, petiole, gaster and legs. Appressed, somewhat radiating, bright golden pubescence abundant all over the body, except the mandibles, legs, apices of pronotal, propodeal and petiolar spines, and most of gaster (where it is much diluted, and virtually absent from dorsal aspect of the first tergite).

Head and body black or very dark reddish brown; mandibles at the masticatory border, apical portions of antennal segments, subpetiolar process and legs reddish brown, the femora always a shade lighter. Gaster black with deep red reflections.

#### FEMALE

Dimensions: TL 16.08–16.63; HL 3.73–3.88; HW 2.47–2.57; CI 65–67; SL 4.74–4.99; SI 190–196; PW 2.37–2.47; MTL 6.20–6.35 (3 measured).

Females differ from workers in the usual characters identifying full sexuality — three ocelli, complete mesosomal structure and wings. The sculpturation, pilosity and colour patterning is identical, but development of the spines is different. The pronotal spines are short and stout, projecting laterally and bent only weakly forward. The propodeal spines are directed posteriorly, projecting horizontally, with their tips curved slightly inwards. The petiolar spines are closely similar to those of the workers, but slightly shorter.

#### MALE AND IMMATURE STAGES

Unknown.

#### REMARKS

This species is a very distinct member of the *P. sexspinosa*-group. It possesses all the combined characters of the group except that the gaster is smooth and shining, in contrast to those of other species, where it is characteristically pubescent. This character together with the exceptionally produced pronotal dorsum render *exotica* immediately identifiable, and readily separable from any other member of the *sexspinosa*-group.

### *Polyrhachis ignota* sp. nov.

(Figs 7, 10, 13)

#### MATERIAL EXAMINED

MINDANAO: Zamboanga del Sur, Lemesahan, 600 m, 7.–8.ix.1958, H.E. Milliron, BPBM coll. (Holotype, 2 paratype workers).

TYPE DEPOSITION: Holotype and 1 paratype in BPBM; 1 paratype in RJK.

#### DESCRIPTION

##### WORKER

Dimensions (holotype cited first): TL 14.36, 13.26–14.97; HL 3.48, 3.17–3.43; HW 2.07, 1.86–2.07; CI 59, 59–60; SL 4.54, 4.43–4.48; SI 219, 216–238; PW 1.81, 1.66–1.81; MTL 6.20, 5.90–6.20 (3 measured).

Mandibles with 5 teeth. Clypeus carinate, sinuate in profile (convex above and concave below). Sides of head in front of eyes only feebly convex, almost straight; strongly narrowed behind eyes. Occipital margin narrow, collar-like, without lateral angular prominences. Antennal carinae elevated, sinuate. Antennal scapes extending beyond occipital border by nearly half their length. Eyes convex. Pronotum strongly convex, distinctly swollen (though not to such a degree as in *P. exotica*); pronotal spines stout, projecting laterally, only slightly curved forward. Mesonotal dorsum in profile feebly convex, propodeum shallowly concave, declivity abrupt. Metanotal groove replaced by a minutely raised ridge. Mesopleural process represented as a non-acute simple lobe. Propodeal spines elevated at their bases, divergent and recurved. Petiole relatively low in front; its dorsum shallowly concave in profile, sloping anteriorly, and with a weak median longitudinal ridge similar to that in *P. osiris*. Apices of petiolar spines scarcely elevated, the spines short. Gaster, when contracted, short, broadly ovate.

Mandibles smooth and shining at the masticatory border, densely punctate at their bases, intervening surfaces with graded sculpturation. Clypeus and front of head finely reticulate-punctate; sculpturation increasing posteriorly in intensity and density, so that the dorsal face and lateral branches of occiput are somewhat coarsely rugose. Mesosomal dorsum with weak rugosity, decreasing posteriorly in intensity and density. Gaster very finely reticulate-punctate.

White or yellowish erect hairs present in variable density all over the body and appendages, but absent from the antennal scapes. Relatively long, suberect, somewhat radiating rich golden pubescence variously developed; most dense on head and mesosomal dorsum, rather diluted on lateral portions of mesosoma (the specimens might be somewhat worn). Gastral pubescence ranging from yellow on anterodorsal aspect of first tergite to silvery white elsewhere, arranged in a characteristic midline pattern.

Body and appendages black.

#### SEXUALS AND IMMATURE STAGES

Unknown.

#### REMARKS

This is the third *P. sexspinosa*-group species from Philippines which lacks hairs on the antennal