



Fig. 49. *Pheidole submonticola* sp. nov. (type material: 243A): A, major, head in full-face view; B, same, head in profile; C, same, alitrunk and waist in profile; D, minor, head in full-face view; E, same, alitrunk and waist in profile.

triangular, ca. 1.5 times as long as diameter of propodeal spiracle. Petiole cuneiform, 1.1-1.2 times as long as postpetiole (excluding helcium); petiolar node low, in posterior view not emarginate at apex. Postpetiole in dorsal view subpentagonal, ca. 2.2 times as broad as petiolar node.

Head including clypeus and promesonotum smooth and shining; remainder of alitrunk weakly rugose, with interspaces very weakly punctured but shining; lateral face of petiole very weakly punctured; dorsum of petiole, and postpetiole and gaster smooth and shining. Head, alitrunk and gaster brown to dark brown; mandibles, antennae, legs and waist light brown.

Recognition This relatively large-sized species with a general habitus is similar to *P. aglae* Forel and *P. cariniceps* sp. nov., but it is peculiar in having a combination of the following conditions: hypostoma of the major completely lacking median processes; propodeal spine of the major elongate-triangular and broadly based (Fig. 49C); posterior declivity of promesonotal dome of the minor without any prominence (Fig. 49C); lower part of mesopleuron margined dorsally in the major.

Distribution Borneo.

Bionomics This species seems to inhabit well-developed premontane / lower montane forests.

49. *Pheidole tawauensis* sp. nov. (Fig. 50)

Holotype Major, soil-9 (soil sample), Tawau Hills Park, Sabah, E. Malaysia (Borneo), K. Eguchi leg., 1996, deposited in UMS.

Paratypes 2 majors and 7 minors from the same soil sample to which the holotype belongs, deposited in BMNH and UMS.

Other specimens examined BORNEO. Sarawak, Malaysia: Lambir Hills N. P., 1 major and 3 minors (Honey bait sample G-3-3), SKY, 1993. JAVA, Indochina. Kebun Raya, Bogor, 2 majors, 3 minors and 1 male (FI95-770); G. Halimun, 1 major, 3 minors and 1 queen (FI98-365).

Major Measurements and indices (n=4): TL 2.5-2.7 mm, HL 1.23-1.28 mm, HW 1.05-1.08 mm, SL 0.47-0.51 mm, FL 0.69-0.77 mm, CI 83-86, SI 44-49, FI 66-73. Head broadest at about midlength