



Fig. 48. *Pheidole spinicornis* sp. nov. (type material: Eg98-BOR-880): 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.

Promesonotal dome with a pair of spines dorsolaterally, with an inconspicuous prominence on its posterior declivity (Fig. 48E). Mesopleuron without a transverse impression. Propodeal spine horn-like, weakly downcurved, ca. 5 times as long as diameter of propodeal spiracle. Petiole cuneiform, ca. 1.3 times as long as postpetiole (excluding helcium); petiolar node low, in posterior view not emarginate at apex. Postpetiole 1.9-2.2 times as broad as petiolar node.

Clypeus smooth and shining, sometimes with several rugulae; remainder of head smooth and shining dorsally and punctured laterally; alitrunk largely punctured and dull, but area between promesonotal spines occasionally smooth and shining; lateral faces of petiole and postpetiole weakly punctured; dorsa of petiole and postpetiole, and gaster smooth and shining. Body brown to reddish-brown, with darker gaster; antennae and legs a little lighter than alitrunk.

Variation Head and alitrunk of minors from Poring is weakly rugoso-reticulate with punctured and dull enclosures.

Recognition *P. spinicornis* sp. nov. is closely related to *P. lokitae* Forel, *P. quadrensis* Forel, *P. sperata* Forel, *P. quadricuspis* Emery and *P. acantha* sp. nov., and several undescribed species (see under *P. lokitae*), but can be recognised among the five Bornean species by the characters given in the key.

Distribution Borneo.

Bionomics This species seems to inhabit well-developed forests in lowlands and hill areas. It is completely sympatric with two of its supposed relatives, *P. quadricuspis* Emery and *P. quadrensis* Forel, in Sepilok forest.

48. *Pheidole submonticola* sp. nov. (Fig. 49)

Holotype Major, colony: 243A, Mt. Kinabalu (near the Headquarters, ca. 1500 m alt.), Sabah, E. Malaysia (Borneo), T. Kikuta leg., 1997, deposited in UMS.

Paratypes 7 minors from the same colony to which the holotype belongs, deposited in BMNH, MCZ,