



Fig. 27. *Pheidole manukana* sp. nov. (type material: Pulau Manukan, SKY, 1995): 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.

Recognition This species is distinguished from other Indo-Malayan congeners by a combination of the following characteristics: hypostoma of the major without median process; dorsum of occipital lobe of the major almost smooth and shining; head of the minor subrectangular with a weak but complete occipital carina (Fig. 27D); prominence on the posterior declivity of promesonotum inconspicuous or absent in the minor (Fig. 27E); petiole almost as long as postpetiole in both the subcastes (Fig. 27C, E); postpetiole wide, 2.4-2.6 times as broad as petiolar node in the major and ca. 2.2 times in the minor.

Distribution Borneo.

27. *Pheidole megacephala* (Fabricius) (Fig. 28)

Formica megacephala Fabricius, 1793: 361, major. No locality given. Combination in *Pheidole*: Roger, 1863: 30. Type material not examined by me.

Myrmica trinodis Losana, 1834: 327, "worker". Type locality: Italia. Junior synonym of *P. megacephala*: Roger, 1863: 30. Type material not examined by me.

Formica edax Forskål, 1775: 84, "worker". Type locality: Egypt. Junior synonym of *P. megacephala*: Emery, 1892: 160; Dalla Torre, 1892: 90. Type material not examined by me.

Oecophthorha perniciosus Gerstäcker, 1859: 263, "worker". Type locality: Mozambique. Junior synonym of *P. megacephala*: Emery, 1915c: 235. Type material not examined by me.

Oecophthorha pusilla Heer, 1852: 15, major, minor, queen and male. Type locality: Madeira. Senior synonym of *P. janus* Fr. Smith, 1858b: Mayr, 1886: 360; *Myrmica laevigata* Fr. Smith, 1855: Roger, 1859: 259; and *P. laevigata* Mayr, 1862: Mayr, 1870: 981. Junior synonym of *P. megacephala*: Wheeler, 1922a: 812. Type materials not examined by me.

Myrmica suspiciosa Fr. Smith, 1859: 148, "worker". Type locality: Aru I. (Indonesia). Junior synonym of *P. megacephala*: Donisthorpe, 1932: 455. Type material not examined by me.

Atta testacea Fr. Smith, 1858b: 168, major and minor. Type locality: Brazil. Junior synonym of *P. megacephala*: Brown, 1981: 530. Type material not examined by me.

Subspecies enumerated in Bolton, 1995b: nominal plus *costauriensis* Santschi, 1914: 443, Ghana; *duplex* Santschi, 1937a: 220, Angola; *ilgi* Forel, 1907: 82, Ethiopia; *impressifrons* Wasmann, 1905: 110, South Africa; *melancholica* Santschi, 1912: 164, Ivory Coast; *nkomoana* Forel, 1916: 415, Zaire; *rotundata* Forel, 1894: 92, Mozambique; *scabrior* Forel, 1891: 178, Madagascar; *speculifrons* Stütz, 1911: 386, Tanzania; *talpa* Gerstäcker, 1871: 356, Kenya (for these forms type material was not examined by me).

Specimens examined BORNEO. Sabah, Malaysia: Danum Valley (in the Headquarters), 5 majors and 10 minors (Eg96-BOR-108); nr. Kota Kinabalu, 6 majors and 11 minors (Eg97-BOR-376); Tambunan Village