

little lighter waist and gaster; antennae and legs a little lighter than alitrunk.

**Recognition** This species, together with *P. gombakensis* sp. nov., is very similar to *P. rabo* Forel and *P. tsailuni* Wheeler among Indo-Chinese and Indo-Malayan congeners, but in the latter two mandible is sparsely covered with very short appressed hairs in the major, and head including clypeus is punctured in the minor. The closest relative of this species is probably *P. gombakensis*, but in the latter petiole is almost twice as long as postpetiole in both the subcastes (Fig. 18D, F), and promesonotum is smooth and shining in the minor.

**Distribution** Borneo.

**Bionomics** This species seems to inhabits well-developed forests.

### 37. *Pheidole quadrensis* Forel (Fig. 38)

*Pheidole quadrensis* Forel, 1900: 25, major (MHNG). Type locality: Kajactonam, Sumatra. One syntype (major) was examined.

*P. (Pheidolacanthinus) quadrensis*: Forel, 1913: 45.

*Pheidole quadrensis*: Bolton, 1995b: 328.

**Specimens examined** BORNEO. Sabah, Malaysia: Deramakot Forest Reserve, 1 minor, CB, 1998-1999; Gunong Rara, 7 majors and 18 minors (Eg96-BOR-328; Eg97-BOR-535, 542, 571); Mahua Waterfall area, 10 majors, 10 minors and 10 males (Eg00-BOR-129); Poring, 450-500 m alt., 2 majors and 4 minors (Eg96-BOR-279) / ca. 500-600 m alt., 1 minor (GC), SKY, 1995 / ca. 600 m alt., 1 major and 3 minors (06Q36B5), TK / ca. 900 m alt., 1 major, 10 minors and 2 queens (512A; 6XI2810-2-Da, 7IV0510-7-1a), TK / 1360 m alt. (East Ridge), 1 minor (code DB-1), CB, 1995; Sepilok forest, 6 majors, 12 minors and 2 queens (Eg97-BOR-471; Eg98-BOR-870, 876); Tawau Hills Park, 1 major, 4 minors, 1 queen and 2 males (Eg96-BOR-034) / 1 minor (GC), SKY, 1996. Sarawak, Malaysia: Bako N. P., 1 major and 1 minor (FI96-535); Bt. Entimau (390 m alt.), 3 minors (GC), Mahmud leg., 1994; Kubah N. P., 1 minor (GC), SKY, 1993; Lambir Hills N. P., 5 majors, 13 minors and 2 queens (Eg98-BOR-806, 822). Brunei: Belalong Forest Section, 3 majors and 2 minors (Eg99-BOR-217); Merimbun Heritage Park, 6 majors and 7 minors (Eg99-BOR-052, 535). E. Kalimantan, Indonesia: Kutai N. P., 3 minors (GC), SKY, 1993 / 1 minor (Pit fall trap), T. Yajima leg., 1986. SUMATRA, Indonesia: Lubuk Gadang (W. Sumatra), 6 minors, SNS; Ulu Gadut, Padang, W. Sumatra, 3 majors and 6 minors (FI97-440, 499); Limau Manis, Padang, W. Sumatra, 1 major, 2 minors and 1 queen (FI92-10); Sitiung, W. Sumatra, 1 major and 2 minors (FI93-255).

**Major** Measurements and indices (n=10): TL 4.1-5.1 mm, HL 1.83-2.07 mm, HW 1.90-2.28 mm, SL 0.99-1.08 mm, FL 1.32-1.47 mm, CI 103-110, SI 47-53, FI 64-71. Head broadest at about 2/3 distance of head (as measured from the mid-point of a transverse line spanning the anteriormost and posteriormost projecting points, respectively (cf. Fig. 2A)); posterior margin of head weakly emarginate medially (Fig. 38A); head in profile not impressed on vertex (Fig. 38B). Hypostoma with a pair of stout median processes (Fig. 38C). Clypeus with a median longitudinal carina, with anterior margin emarginate medially. Eye situated at about 1/3 distance of head; distance between mandibular insertion and anterior margin of eye 1.8-2.1 times as long as maximal diameter of eye. Frontal carina inconspicuous, extending backward to about 2/3 distance of head. Antennal scrobe present only around antennal insertion. Antenna with 3-segmented club; scape reaching about 3/5-2/3 distance of head; terminal segment 0.9-1.1 times as long as preceding two segments together. Masticatory margin of mandible with apical and preapical teeth, and a denticle in front of basal angle. Promesonotal dome with a pair of spines (Fig. 38D, E), with a prominence on its posterior declivity (Fig. 38E); the prominence in anterior view weakly or very weakly concave medially. Mesopleuron with an inconspicuous transverse impression. Propodeal spine pointed apically, with broad base, 5-6 times as