

almost twice as long as diameter of propodeal spiracle. Petiole cuneiform, 0.9-1.0 times as long as postpetiole (excluding helcium) (Fig. 6F); petiolar node low, in posterior view not emarginate at apex. Postpetiole in dorsal view subpentagonal, 2.0-2.3 times as broad as petiolar node.

Head and promesonotum smooth and shining; mesopleuron and lateral face of propodeum almost smooth and shining, or very weakly punctured partly; lateral face of petiolar pedicel very weakly punctured: dorsum of petiole, and postpetiole and gaster smooth and shining. Body light yellowish-brown.

**Recognition** This medium-sized species with general habitus is distinguished from other Indo-Malayan congeners by a combination of the following characteristics: hypostoma of the major bearing three poorly developed median processes of which each lateral one is partly combined with the process just mesal to mandibular insertion (Fig. 6C); posterior declivity of promesonotal dome having a prominence in both the subcastes (Fig. 6D, F); petiole 0.9-1.0 times as long as postpetiole in both the subcastes (Fig. 6D, F); promesonotum of the minor unarmed without any kind of tubercle (Fig. 6F).

**Distribution** Southern Malay Peninsula, Borneo and Sumatra.

**Bionomics** This inhabits well-developed forests. I have never encountered colonies which include more than one dealate queen.

### 5. *Pheidole aristotelis* Forel (Figs. 7, 59)

*Pheidole aristotelis* Forel, 1911a: 43, major, minor and male (MHNG). Type locality: Sarawak, Borneo.

Lectotype designation and redescription of type material: Eguchi, 2001.

**Specimens examined** BORNEO. Sabah, Malaysia: Danum Valley, 41 majors, 78 minors, 4 queens and 19 males (Eg96-BOR-110, 141B, 141C, 142, 143, 144, 187, 191, 197, 198, 205, 221, 228, 234, 235) / 1 minor, CB, 1998-1999 / 1 minor (GC), SKY, 1995; Deramakot Forest Reserve, 1 minor, CB, 1998-1999; Gunong Rara, 8 majors, 15 minors and 31 males (Eg96-BOR-312, 317; Eg97-BOR-536); Mahua Waterfall area, 1 major and 1 minor (MA00-HO-010), HO, 2000; Poring, 450-500 m alt., 2 majors and 5 minors (Eg96-BOR-273) / 500-550 m alt., 2 majors and 5 minors (Eg96-BOR-304) / 560 m alt. (East Ridge), 1 minor (code AW-1), CB, 1995 / ca. 600 m alt., 31 majors, 48 minors, 4 queens and 2 males (6X2606-3-I1, 6X2906-6-Bb, 6X2906-5-Ja, 6X2906-6-Cb, 6X3006-10-5, 6XI0106-14-2, 6XI0106-14-6, 6XI0106-14-Ee, 6XI0106-14-Gb, 6XI0106-14-Ha, 6XI0106-16-Cc, 6XII0606-S3-6, 6XII0606-S3-8, 6XII2106-23-Aa, 6XII2306-Ba, 7III2606-29-5, 7III2606-29-7, 7III2606-29-Ad, 7III2606-29-Fa, 7III2606-29-Fc, 7VI0310-6-2b; 06Q33B4, 06Q50B5), TK / 1 minor (bait No. 85A), E. Aug leg., 1994 / 600-700 m alt., 2 minors (GC), SKY, 1995 / 700-800 m alt., 1 major and 6 minors (GC), SKY, 1995 / 800 m alt. (East Ridge), 1 minor (code BW-1), CB, 1995 / ca. 900 m alt., 10 majors, 15 minors and 1 queen (6XI2810-2-Ae, 7IV0310-5-Ae, 7IV0310-5-Ja, 7IV0310-6-2b; 09Q13B4, 09Q15B4, 09Q23B4, 09Q23S4), TK; Sayap Kinabalu, 3 majors, 10 minors and 2 males (SB96-SKY-48); Sepilok forest, 18 majors, 33 minors and 2 males (Eg97-BOR-445, 455, 456, 480, 499, 511; Eg98-BOR-882); Tawau Hills Park, 2 majors, 4 minors and 1 male (Eg96-BOR-010). Sarawak, Malaysia: Bako N. P., 2 minors (GC), SKY, 1993; Bt. Entimau (610 m alt.), 3 minors (GC), Mahmud leg., 1994; Lambir Hills N. P., 5 majors, 7 minors and 1 queen (Eg98-BOR-821). Brunei: Belalong Forest Section, 7 majors, 7 minors, 1 queen and 1 male (Eg99-BOR-205, 209); Merimbun Heritage Park, 16 majors, 18 minors, 2 queens and 4 males (Eg99-BOR-115, 117, 138, 141, 151, 508). E. Kalimantan, Indonesia: Bt. Soehart (UNMUL forest), 2 minors (GC), SKY, 1992; Kutai N. P., 1 major and 12 minors (GC), T. Yajima leg., 1993. MALAY PENINSULA. Thailand: Khao Chong, Trang Prov., 1 major and 4 minors (TH98-SKY-38). Malaysia: Ulu Gombak, 6 majors, 14 minors and 1 male (FI92MG-466; FI96-629, 683, 726; FI99-83). SINGAPORE. 1 minor (GC), SKY, 1993. SUMATRA, Indonesia. Ulu Gadut, nr. Padang, W. Sumatra, 9 majors, 14 minors, 1 queen and 1 male (FI96-190, 199; FI97-400, 401, 427, 440, 501); Bt. Sabala, W. Sumatra, 2 majors, 2 minors and 2 males (FI92-242); Sitiung, W. Sumatra, 1 major and 2 minors (FI93-264). JAVA, Indonesia. Mt. Halimun, 9 majors and 16 minors (FI96-372; FI98-343, 358, 372) / 3 majors and 6 minors (48, 10/17Ta), MK, 1998 and 1999. LOMBOK, Indonesia. Santong, N. Lombok, 3 majors and 9 minors (Colony code: KT-101), IKT. Ginarsa leg., 1998.