

- In full-face view occipital margin straight. Frontal carina suberect, without laterally expended frontal lobe, antennal socket completely exposed. Mandible with 4 teeth. Subpetiolar process large and roughly rectangular, with a posteriorly pointed tooth (Figs. 3-10) (China: Yunnan Province) *P. zhaoi* Xu, sp. nov.
3. Posterodorsal corner of propodeum bluntly angled, without tooth (Figs. 11-12) (China: Taiwan Province; Japan) *P. japonicum* Santschi
- Posterodorsal corner of propodeum with a pair of small acute or blunt teeth (Figs. 13-17) (China: Yunnan Province; Vietnam) *P. longigaster* Karavaiev

***Proceratium zhaoi* Xu, sp. nov.** (Figs. 3-10)

Holotype worker. TL 2.4, HL 0.62, HW 0.52, CI 84, SL 0.34, SI 65, PW 0.38, AL 0.70, ED 0.03, ML 0.30, PL 0.22, DPW 0.23, PH 0.28. Head roughly rectangular, slightly longer than broad and slightly narrowed forward. Occipital margin straight, occipital corners rounded. Lateral side weakly convex. Frontal carinae suberect, without laterally expended frontal lobes. Antennal sockets completely exposed. Anterior margin of clypeus with a triangular projection in the middle. Mandible with 4 teeth. Antenna stout, apex of scape reaching to 1/2 of the distance from antennal socket to occipital corner, segments 3-11 broader than long. Eye minute, with only 1 facet. In profile view dorsum of alitrunk complete and weakly convex, lowed down backward, without sutures. Posterodorsal corner of propodeum bluntly angled, without tooth, declivity depressed. Metapleural lobe rounded at apex. In profile view petiolar node thick, narrowed upward and inclined backward, anterior and dorsal faces weakly convex, anterodorsal corner higher than posterodorsal corner. Subpetiolar process large and roughly rectangular, with a posteriorly pointed tooth. In dorsal view petiolar node transverse and broader than long, narrowed forward. Mandibles finely and longitudinally striate. Head, alitrunk, petiole and gaster finely and densely punctured, relatively dim. Head, body and appendages with dense decumbent pubescence, but without hairs. Body in color yellowish brown.

Paratype workers. TL 2.0-2.5, HL 0.60-0.64, HW 0.52-0.56, CI 86-90, SL 0.32-0.34, SI 61-65, PW 0.34-0.38, AL 0.66-0.74, ED 0.02-0.03, ML 0.28-0.34, PL 0.20-0.24, DPW 0.22-0.26, PH 0.26-0.30 ($n = 6$). As holotype, but subpetiolar process rectangular to triangular.

Paratype alate females. TL 3.0-3.3, HL 0.70-0.72, HW 0.60-0.64, CI 86-89, SL 0.36-0.38, SI 58-61, PW 0.48-0.50, AL 0.94-1.00, ED 0.12-0.14, ML 0.30-0.38, PL 0.24-0.32, DPW 0.26-0.30, PH 0.34-0.40 ($n = 5$). As holotype worker but body much larger. Occipital margin slightly emarginate. Eyes large, with ocelli. Alitrunk massive and winged, dorsum weakly convex. Propodeum with a pair of blunt teeth. Subpetiolar process triangular. Body in color yellowish brown, eyes and ocellar area black.

Holotype worker, No. A97-2338, 1280 m, Papo Village, Meng'a Town, Menghai County, Yunnan Province, collected in a soil sample in deciduous broad-leaf forest, 10. IX. 1997. (XU Zheng-Hui). Paratypes 1 worker, with same data as holotype; 5 workers and 24 alate females, with same data as holotype but No. A97-2380, collected from a nest which containing 45 individuals in a soil sample.

The new species is close to *P. itoi* (Forel) (Figs. 1-2), but occipital margin straight, frontal carinae suberect and without laterally expended frontal lobes, mandible with 4 teeth, subpetiolar process large and roughly rectangular, body smaller.

This new species is named after Mr. ZHAO Qing-Shan (South Institute of Forest Plant Quarantine, Department of Forestry of China, Yiyang, Jiangxi Province) for his contribution in translation "The Fauna of British India Including Ceylon and Burma. Hymenoptera. Volume