

posteroventral border with 2 teeth. In dorsal view, petiolar node semicircular, anterior and lateral borders roundly convex, posterior border slightly concave, length : width = 5 : 9. Mandibles smooth and shining. Head closely and finely punctured, dull. Pronotum, mesonotum and gaster densely and finely punctured, relatively shining. Propodeum and petiolar node superficially and finely punctured, shining. Dorsum of head and thorax with sparse short erect hairs and dense decumbent pubescence. Petiolar node and gaster with abundant erect hairs and dense decumbent pubescence. Scapes with sparse erect hairs and dense decumbent pubescence. Dorsa of tibiae with dense decumbent pubescence, without erect hairs. Body in color reddish brown. Head and middle portion of gaster blackish brown. Mandibles, antennae and legs brownish yellow.

Holotype, worker, No. A008, 1600 m, Shangjiang, Shangjiang Town, Lushui County, Yunnan Province, 23-III-2000, collected by Mr. Xu Zhenghui in monsoon evergreen broadleaf forest.

This new species is close to *P. japonica* Wheeler (Figs. 37~39), but lateral sides of head more straight; in profile view anterodorsal corner of petiolar node higher than posterodorsal corner; subpetiolar process with fenestra small, posteroventral border with 2 teeth.

#### 4. *Ponera pianmana*, sp. nov. (Figs. 31~33)

Holotype worker: TL 2.2, HL 0.52, HW 0.40, CI 77, SL 0.33, SI 83, PW 0.32, AL 0.67, ED 0.02, ML 0.23, DPW 0.25, PNI 79, PH 0.30, PNL 0.17, LPI 56. Head roughly rectangular, distinctly longer than broad, feebly narrowed forward. In full face view, occipital margin weakly emarginate, occipital corners roundly prominent, lateral sides weakly convex. Masticatory margin of mandible with 3 apical teeth and followed by a row of indistinct minute denticles. Anterior margin of clypeus strongly convex. Antennae short, apex of scape failed to reach occipital corner by 1/4 of its length, antennal club with 5 segments. Eye with only one facet. In profile view, dorsum of thorax weakly convex, promesonotal suture depressed, metanotal groove fine and distinct. Dorsum of propodeum as long as declivity, posterodorsal corner blunt. In profile view petiolar node trapezoid, distinctly narrowed upward, anterior face nearly vertical, posterior face steeply slope, dorsal face convex, anterodorsal corner higher than posterodorsal corner. Subpetiolar process cuneiform, fenestra medium size, anteroventral corner obliquely truncate, posteroventral border with an acute tooth. In dorsal view, petiolar node crescent, anterior and lateral borders roundly convex, posterior border weakly concave, length : width = 1 : 2. Mandibles smooth and shining, with very sparse fine punctures. Head densely and finely punctured, relatively dull. Thorax, petiole and gaster weakly, densely and finely punctured, relatively shining. Dorsum of head and thorax with dense decumbent pubescence, without erect hairs. Petiole and gaster with sparse suberect hairs and dense decumbent pubescence, apex of gaster with abundant hairs. Scapes with abundant suberect short hairs and dense decumbent pubescence. Dorsa of tibiae with dense decumbent pubescence, without erect hairs. Body in color brown, antennae and legs brownish yellow.

Holotype, worker, No. A99-47, 1650 m, Pianma, Pianma Town, Lushui County, Yunnan Province, 26-IV-1999, collected by Mr. Li Jiguai in monsoon evergreen broadleaf