

- antennal segment at most 1.3 times as long as preceding two segments together in both the subcastes..... 14
- 14 (13). Frons irregularly reticulate; hypostoma bearing a stout median process in the major (Fig. 7C; rarely the process is poorly developed); frontal carina horizontal, extensively overhanging antennal scrobe in the major (Fig. 7A, B); each dorsolateral portion of promesonotal dome angulate outward in the major (Fig. 7D), and armed with a pair of blunt spines in the minor (Fig. 7G)..... *P. aristotelis* Forel [p.34]
- Frons of the major longitudinally rugose; hypostoma bearing 0-3 median processes in the minor; condition of frontal carina and antennal scrobe variable in the major; each dorsolateral portion of promesonotal dome sometimes produced outward in the major, and sometimes armed with a pair of low tubercles in the minor (but the tubercles never developed into distinct spines as seen in *P. aristotelis*)..... 15
- 15 (14). Masticatory margin of mandible of the major having two denticles in front of basal angle; ventral faces of midcoxa and hindcoxa of the major distinctly reticulate (this condition exclusively shared with *P. aristotelis* among others)..... 16
- Masticatory margin of mandible of the major having at most a denticle in front of basal angle; ventral faces of midcoxa and hindcoxa of the major completely smooth and shining..... 20
- 16 (15). Head above subocular level and alitrunk punctured and dull in the minor..... 17
- Head and alitrunk smooth and shining in the minor..... 18
- 17 (16). Outer face of mandible of the major sculptured with rugulae running from its base toward its masticatory margin (Fig. 43A)..... *P. rugifera* sp. nov. [p.106]
- Outer face of mandible of the major rugose laterally only around at most its base..... *P. tenebricosa* sp. nov. [p.121]
- 18 (16). Occipital carina of the minor complete (Fig. 23D)..... *P. kikutai* sp. nov. [p.67]
- Occipital carina of the minor absent dorsally on head (Fig. 20F)..... 19
- 19 (18). Lateral portion of clypeus produced into a horn in the major (Fig. 11)..... *P. clypeocornis* sp. nov. [p.44]
- Lateral portion of clypeus never produced into a horn in the major (Fig. 20B)..... *P. hortensis* Forel [p.61]
- 20 (15). In the major frontal carina horizontal, overhanging antennal scrobe (Figs. 42A, 47A, 52A); hypostoma of the major always bearing a large median process (Fig. 52C); head of the minor always rugoso-reticulate or punctured..... 21
- In the major frontal carina sometimes well developed, but not overhanging antennal scrobe extensively; hypostoma of the major bearing 0-3 median processes; head of the minor smooth and shining, or sculptured..... 23
- 21 (20). Head weakly rugoso-reticulate and lateral face of alitrunk weakly punctured in the minor; clypeus of the major having a distinct median longitudinal carina (Fig. 42A)..... *P. retivertex* sp. nov. [p.104]
- Head and alitrunk distinctly punctured or reticulate in the minor; clypeus of the major lacking a median longitudinal carina (Figs. 47A, 52A)..... 22
- 22 (21). Head and alitrunk of the minor punctured; frontal lobe of the major well developed and suberect (Fig. 52B)..... *P. tjibodana* Forel [p.123]