

***Polyrhachis armata* Le Guillou**

FIFTH INSTAR (=MATURE) LARVA. Length (through spiracles) 5.9-11.4 mm. Similar to *P. muelleri* except as follows. Spiracles on T2 = 0.03 mm, T3 = 0.028 mm, AI = 0.025 mm, AVIII = 0.023 mm in diameter. Body hairs moderately numerous. Of 4 types: (1) 0.05-0.175 mm long, unbranched, slightly curved, denticulate apically, on all somites; (2) 0.1-0.35 mm long ventrally and up to at least 0.6 mm long on dorsal and lateral surfaces of AII-AVII, whip-like; (3) 0.05-0.125 mm long, 2- to 6- branched, few on T2-AIX; (4) 0.175-0.225 mm long, uncinata, ca. 18 on dorsum of either AVII or AVIII. Head hairs fewer (64-72), with or without denticles. Labrum with fewer hairs (ca. 10); posterior surface with fewer (ca. 14) sensilla. Mandible with more numerous ridges.

FOURTH INSTAR LARVA. Length (through spiracles) 3.3-4.7 mm. Similar to mature larva except as follows. Diameter of spiracles of T2 = 0.015 mm, on AVIII = 0.013 mm. Integument on venter of anterior somites and dorsum of posterior somites with minute spinules in short transverse rows. Body hairs sparse. Of 3 types: (1) 0.063-0.175 mm long, uncinata, on dorsal and lateral surfaces of AI-AIII, AIX-AX, few on dorsal surface of AVI-AVIII, few on AIV-AV; (2) 0.375-0.45 mm long, whip-like, on dorsal and lateral surfaces of AI-AVI, few on T1-T3; (3) ca. 0.1 mm long, unbranched, denticulate. Cranium feebly subtrapezoidal. Head hairs fewer (ca. 66) 0.038-0.088 mm long, unbranched, smooth or denticulate, some feebly uncinata. Hairs on anterior surface of labrum shorter (0.013-0.05 mm long). Mandible with short apical tooth turned medially, anterior and posterior surfaces with feebler ridges. Maxillary palp a short knob; galea a subcone. Labial palp a slightly raised cluster of sensilla.

THIRD INSTAR LARVA. Length (through spiracles) 2.4-2.8 mm. Similar to fourth instar except as follows. Body hairs: (1) 0.1-0.15 mm long, uncinata, on T1-AIII and AVII-AX (numerous on dorsum of AVII-AVIII); (2) at least 0.5 mm long, whip-like, few on T3-AVIII, more numerous on AVII-AIX (most numerous on AVI-AVII); (3) 0.025-0.15 mm long, unbranched, slightly curved, with or without denticles. Head hairs fewer (ca. 55), 0.038-0.063 mm long. Mandible subtriangular, apex short and curved medially. Opening of sericteries narrower.

SECOND INSTAR LARVA. Length (through spiracles) 1.9-2.1 mm. Similar to third instar except as follows. Diameter of spiracles: T2 = 0.013 mm, T3-AVIII = 0.01 mm. Integument on ventral surface of T1-T3 with rows of minute spinules. Body hairs 0.05-0.1 mm long, uncinata, ca. 20 on T1, 18 on T2, 10 on T3, 2 on each AI-AII. Cranium transversely subelliptical. Head hairs fewer (ca. 45), ca 0.05 mm long, uncinata. Apex of maxilla stouter; palp a slight elevation; galea a small skewed peg. Labial palp a slightly raised cluster of sensilla.

FIRST INSTAR LARVA. Length (through spiracles) 1.8-2.1 mm. Similar to second instar except as follows. Body straight, head on anterior end. Integument with a few spinules on venter of T1-AI. Body hairs 0.1-0.115 mm long, uncinata, 4 on T1, 2 on T2. No head hairs. Chiloscлерes very feeble. Maxillary apex a stout spinulose subcylinder; palp a short knob; galea a skewed cone.

EGG. 0.36 X 1.32 mm to 0.48 X 1.2 mm.

Material studied: numerous larvae from Gentry Highlands (50km N Kuala Lumpur), #275.

Polyrhachis dives F. Smith (1953:208).

Polyrhachis hippomanus F. Smith (1970:649).