

Genus *Neivamyrmex* Borgmeier

In our 1984 revision of doryline larvae we included no description of the immature stages of this genus. We have since discovered that we have adequate material for a complete series for one species.

*Neivamyrmex opacithorax* (Emery)

Figures 1 - 6

EGG: 0.2 - 0.23 x 0.35 - 0.45 mm.

FIRST INSTAR LARVA. — Length (through spiracles) 0.4 - 0.67 mm (average 0.53 mm). Body straight; narrowed posteriorly. Anus terminal. Segmentation distinct. Head on anterior end; greater in diameter than the body which tapers to posterior end. Spiracles about 0.001 mm in diameter. Integument coarsely spinulose (except the midventer of all somites), the spinules isolated. No body hairs. Cranium transversely subelliptical. [Antennae not visible.] Head hairs none, but probably represented by about 6 sensilla 0.003 mm long. Labrum feebly bilobed; with 4 sensilla in the middle but no spinules. Mandible subtriangular in anterior view, base broad, tapering rapidly to a sharp-pointed apex. Maxilla appearing adnate; palp represented by 5 sensilla in a raised cluster; galea represented by 2 sensilla. Labium short and broad; palp represented by a cluster of sensilla.

SECOND INSTAR LARVA. — Length (through spiracles) 0.82 - 1.08 mm. Similar to first instar larva except as follows. Head diameter less than that of prothorax; body nearly straight; diameter decreasing rapidly from AV to posterior end. Anus ventral. Spiracles about 0.003 mm in diameter. Integument coarsely spinulose except on intersegmental areas. Cranium with bulging genae. Antennae on lower half of cranium, with 2 sensilla each. Head hairs about 14; 0.006 - 0.013 mm long; unbranched. Labrum with 6 sensilla in medial notch. Entire mandible moderately sclerotized. Maxilla swollen laterally; galea with 2 sensilla on slightly sclerotized base. Anterior surface of labrum with minute spinules in a few short rows.

THIRD INSTAR LARVA — Length (through spiracles) 0.84 - 1.26 mm. Similar to second instar larva except as follows. Body slightly curved ventrally. Anus posteroventral. Integument with spinules coarse and in short transverse rows on thorax, isolated and fewer posteriorly. Body hairs 0.006 - 0.018 mm long, unbranched, about 12 on T1, fewer on T2. Antennae at midlength of cranium, small, with 2 sensilla each. Head hairs about 0.003 - 0.025 mm long, unbranched, about 52. Entire mandible moderately sclerotized. Apex of maxilla paraboloidal and directed medially; palp with 5 sensilla on a slightly sclerotized base. Opening of sericteries a short transverse slit.

FOURTH INSTAR LARVA. — Length (through spiracles) 2 - 3.4 mm. Spiracles on T2 0.025 mm in diameter decreasing to 0.005 mm on AVIII. Integument spinulose, the spinules minute and isolated or in short rows. Body