

slightly wider than first gastric segment. Mandibles narrow, with three-toothed masticatory margins, the terminal tooth slightly curved and acute, the two remaining ones stout and acute as shown in Fig. 1. Clypeus without distinct posterior

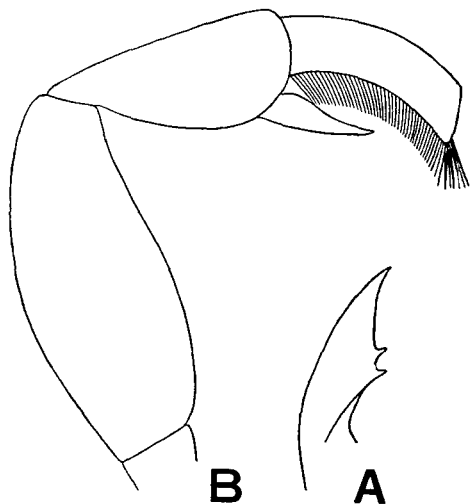


Fig. 1. *Leptanilla morimotoi* sp. nov., Worker. A, Mandible. B, Femur, tibia and basitarsus of fore leg.

border, its anterior margin very slightly produced in the middle as a broadly rounded lobe. Antennae moderately stout; apex of scape reaching far beyond the middle of head; relative lengths (widths) of the segments—60 (30) : 30(20) : 21.5(24) : 15(25) : 15(20) : 15(26) : 16(28) : 20(30) : 20(30) : 20(30) : 20(30) : 56(30).

Thorax much narrower than head, the sides slightly convergent posteriorly, distinctly shorter than abdomen, about twice as long as petiole and postpetiole taken together, flattened dorsally and not deeply notched in profile at the promesonotal suture; pronotum subovoidal, wider than mesepinotum which is longer than pronotum, with feebly rounded subparallel sides; base

of mesepinotum distinctly constricted in dorsal aspect. Legs relatively short and very stout, all legs of similar shape, relative lengths of the segments of fore legs—femur:tibia:basitarsus=18:12:9, fore femur about twice as long as wide, fore tibia as long as wide, fore basitarsus three times as long as wide and curved. Petiole very distinctly longer than wide (about 1.6 times as long as wide), much narrower than epinotum, gradually rounded anteriorly, posteriorly with rounded subparallel sides. Postpetiole nearly as wide as long or high, slightly widened posteriorly, distinctly shorter than petiole, but distinctly wider than petiole. Ventral side of petiole and postpetiole convex, with a low but distinct median plate-like projection at the basal half of petiole, with a high median one on the whole length of postpetiole.

Gaster elongate-elliptical, anterior border of first segment slightly concave, first segment narrower than head, first, second and third almost the same width.

Body entirely pale yellowish-brown, smooth, densely covered with short microhairs which are longer and coarser on gaster, basal area of second, third and fourth gastric segments hairless.

Length ca. 1.5 mm.

Type locality. Mt. Hiko (Hikosan), Fukuoka Prefecture, Kyushu.

Holotype. Worker, 4. iv. 1958, Mt. Hiko, K. Morimoto leg.