

rough sculpture, consisting in part of punctures, petiole rugose with scattered punctures, postpetiole roughly sculptured with coarse punctures, gaster polished and shining.

Color: medium brown.

Female and male: Unknown.

Type series: Holotype worker (MCZC), MEXICO, Hidalgo, El Chico, 23-ix-1938, L. J. Lipovsky.

Material examined: Holotype worker.

Etymology: Name based on the rugose mesosoma.

Discussion: The sculpture of the head and meso-soma, and the shape of the petiolar node will separate this species from all others in the subgenus. It would be most likely to be confused with *L. tricarinatus*, which also has a wide postpetiole. It can be easily separated by the much finer sculptured head, and in being much smaller. The shape of the node could cause it to be confused with *L. peninsularis* (known only from the female from Baja California). The petiole has a short peduncle and the propodeal spines are poorly developed in *L. rugithorax*, workers of *L. peninsularis* would be expected to have a well-developed peduncle and well developed propodeal spines. The simple propodeal angles would separate it from *L. gallae* and *L. nevadensis*, which have propodeal spines that are at least $\frac{1}{2}$ the distance between the bases. The blunt petiolar node would separate it from *L. furunculus*, which has a node with a sharp apex, and *L. andrei* in which the top of the node is rounded. Additionally the side of the mesosoma of *L. rugithorax* is coarsely sculptured, whereas the side of the mesosomae of *L. furunculus* and *L. andrei* are densely and evenly punctate. It could be confused with *L. rugulosus*, but differs as the propodeal spines are much less developed, the pronotum has only fine rugae, and the mesonotum is punctate.

Biology: Unknown.

***Leptothorax (Myrafant) rugosus* new species**

Figs. 18 & 160; Map 43

Species complex: *nitens*

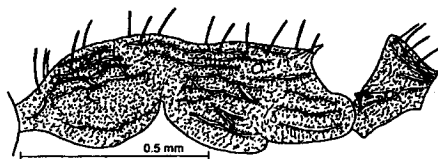


Fig. 160. Mesosoma and petiole of the holotype worker of *Leptothorax rugosus*.

Diagnosis: This is a medium sized, light brown species with a 12-segmented antenna, in which the head and mesosoma are coarsely rugose. It is one of the few species in the subgenus which has a very lightly sculptured gaster, which is not always obvious. The