

KEY TO THE SPECIES OF *LEPTOTHORAX* SUBGENUS *MYRAFANT* IN THE NEW WORLD, BASED PRIMARILY ON WORKERS

1. Petiole and postpetiole armed with spine-like protuberances (Fig. 1)
..... Subgenus *Nesomyrmex*
(see Kempf, 1959 for key to species)
- Petiole and Postpetiole without spine-like processes (Fig. 2) 2
- 2(1). Petiole with elongate peduncle (Fig. 2); mesosoma either strongly
arched (Fig. 2) or mesopropodeal suture deeply impressed (Fig. 3)
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- Petiole without an elongate peduncle (Fig. 4), or dorsum of prome-
sonotum flat (Fig. 9) or feebly convex in profile; mesopropodeal
suture at most feebly impressed (except for *L. hispidus*, see Fig. 5)
..... 4
- 3(2). Dorsum of mesosoma strongly arched (Fig. 2)
Subgenus *Macromischa* (see Baroni Urbani 1978 for key to species)
- Dorsum of promesonotum not strongly convex in profile (Fig. 3);
mesopropodeal suture deeply impressed (Fig. 3)
..... Subgenus *Dichothorax*, *L. pergandei* (see Mackay, 1993a)
- 4(2). Clypeus without carinae on medial surface (Fig. 6), but usually
with carinae present anterior to frontal carinae, middle of clypeus
usually concave with longitudinal depression (Fig. 6); antennal
scapes often with erect or suberect hairs (Fig. 7)
... Subgenus *Leptothorax* (see Creighton, 1950:257-258 for key to
species) and genus *Formicoxenus* (see Francoeur and Loisel, 1985
for assistance with species identifications).
- Clypeus with medial, longitudinal carina (Fig. 8), in addition to
several lateral carinae; scape usually without erect hairs
..... 5 (Subgenus *Myrafant*)
- 5(4). Posterior corner of propodeum completely rounded, without
evidence of angles or spines (Fig. 9); México *striatulus* Stitz
- Posterior corner of propodeum with angles or spines (Fig. 10); widely
distributed in North America, including México 6
- 6(5). Antennae with 12 segments (Fig. 11, left) (usually easier to count
with funiculus held at an oblique angle) 7
- Antennae with 11 segments (Fig. 11, right) 49
- 7(6). Disc (at least basal 1/3) of first tergum of gaster predominantly
reticulopunctate (Fig. 12, left), (sculpture may be very weak and
difficult to see); Nevada to Colorado, Arizona to west Texas south to
northern México 8
- Entire disc (except possibly region immediately posterior to connec-
tion of postpetiole) of first tergum of gaster completely smooth,
polished and shining (Fig. 12, right); widely distributed in North