

- bicolored black with red mesosoma; antenna with 11 segments ..  
 ..... *longispinosus* species complex
- 8(6). Anterior and posterior faces of petiolar node nearly parallel (Fig. 39) ..... *andrei* species complex
- Anterior and posterior faces of petiolar node converging dorsally (Fig. 40) ..... 9
- 9(8). Antenna with 11 segments (Fig. 11, right) ..... 10
- Antenna with 12 segments (Fig. 11, left) *andersoni* species complex
- 10(9). Suprapeduncular process well developed, curved upwards (Fig. 107); dorsum of head at least partly smooth and shining .....  
 ..... *emmae* species complex
- Suprapeduncular process poorly developed; dorsum of head nearly completely covered with fine striae (Fig. 65, left) .....  
 ..... *schaumii* species complex

## LIST AND DESCRIPTIONS OF THE COMPLEXES

### *andersoni* species complex

Members of this species complex can be recognized by the 12-segmented antenna and by the often broadly rounded petiolar node. The postpetiole is occasionally widened, as compared to the petiole. The clypeus has several carinae, with the medial carina being only slightly more prominent than the others. The region next to the medial carina has smaller carinae, and is usually not smooth and shiny. Members include *L. andersoni*, *L. bestelmeyeri*, *L. bicolor*, *L. liebi*, *L. lindae*, *L. ocellatus*, and *L. punctatissimus*. This complex is closely related to the *tricarinatus* species complex, which has 3 major carinae on the clypeus, including a sharp, well-defined medial carina and two lateral carinae, which converge anteriorly. Some of the members of the *tricarinatus* complex could be confused with this complex, and are included in the following key (*L. carinatus*, *L. cokendolpheri*, *L. gallae* and *L. rugulosus*).

### KEY TO THE WORKERS OF THE SPECIES OF THE *ANDERSONI* COMPLEX

1. Dark brown or bicolored; propodeal spines moderately well developed, or very well developed (Fig. 2) ..... 2
- Pale yellow or light brown; propodeal armature consisting of small angles or spines (Fig. 13) ..... 4
- 2(1). Entire dorsal surface of head with striae (Fig. 22, right); California ..... 3
- Dorsum of head mostly smooth and shining (Fig. 22, left); southern