

WILLIAM L. BROWN

JOURNAL OF THE TENNESSEE ACADEMY OF SCIENCE
Volume 32, Number 3, July, 1957

ANOTHER NEW LEPTOTHORAX FROM TEXAS (HYMENOPTERA: FORMICIDAE)¹

A. C. COLE

Department of Zoology and Entomology
University of Tennessee, Knoxville

Leptothorax (Leptothorax) carinatus n. sp.

Holotype, worker. (Cole Coll. No. TX- 56).

Head length, 0.68 mm.; head width behind eyes, 0.65 mm.; scape length, 0.51 mm.; thoracic length, 0.82 mm.; pronotal width, 0.39 mm.; petiolar length, 0.27 mm.; postpetiolar length, 0.15 mm.; petiolar node length, 0.08 mm.; petiolar node width, 0.14 mm.; postpetiolar node length, 0.13 mm.; postpetiolar node width, 0.29 mm.; length of gaster, 0.90 mm.; total body length, 2.82 mm.

Head longer than broad, sides subparallel, occipital border faintly concave mesally, occipital corners broadly rounded; frontal lobes extending anteriolaterally, the outer margin evenly and very broadly convex; median lobe of clypeus only moderately convex; frontal triangle distinct, faintly impressed, longer than wide; antennae 12-segmented, scape rather robust, basal segment of funiculus about as long as the succeeding three segments taken together, scapes in repose extending nearly to posterior border of head.

Thorax, in profile, posteriorly as far as base of epinotum, very broadly convex, the outline unbroken by impressions; pronotal dorsum meeting anterior declivity at a pronounced sharp angle; mesoepinotal suture absent; base of epinotum descending evenly and gradually from mesonotum, declivity of epinotum steep; epinotal armature consisting of a pair of short, rather blunt teeth, broad at base. Viewed from above, with pronotum broad, narrowing posteriorly, the humeri poorly developed; the sides rather sharply narrowed and impressed at beginning of epinotum; sides of meso-epinotal area subparallel. Viewed in profile, petiolar node strongly developed, the anterior declivity long, faintly concave, rather steep, and meeting apex of

¹ This study was aided by a grant from the National Science Foundation.