

A Review of the New World Ants of the Subgenus *Myrafant*, (Genus *Leptothorax*) (Hymenoptera: Formicidae)

by

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ABSTRACT

The New World species of the subgenus *Myrafant* are revised, and 3 keys are included: 1) an illustrated key to the workers based on characters, 2) a phylogenetic key, and 3) a key to the Mexican and Guatemalan species (in Spanish). The keys are followed by diagnoses, distributions, and illustrations of all of the species. There are a total of 56 species now known from the New World, including 25 new species described in this paper. Species complexes are defined, including the *andrei* complex, *andersoni* complex, *emmae* complex, *hispidus* complex, *longispinosus* complex, *nitens* complex, the *obturator* complex, *schaumii* complex, *silvestrii* complex, *striatulus* complex and the *tricarinatus* complex.

The species include: *L. adustus* new species, from Chihuahua, *L. ambiguus* Emery from northern United States and southeastern Canada, *L. andersoni* new species from Texas, *L. andrei* Emery from southwestern United States and northern México, *L. bestelmeyeri* new species from south central New Mexico, *L. bicolor* new species from Chiapas, *L. bradleyi* Wheeler from southeastern United States, *L. brevispinosus* new species from Michoacán, *L. bristoli* new species from Texas and Coahuila, *L. carinatus* Cole from western United States and northern México, *L. chandleri* new species from northern California, *L. cokendolpheri* new species from New Mexico and Texas, *L. coleenae* new species from southern New Mexico, *L. curvispinosus* Mayr (= *Stenammina gallarum* Patton) from eastern North America, *L. davisii* Wheeler new status from eastern United States, *L. emmae* new species from southwestern New Mexico, *L. furunculus* Wheeler from Wyoming and Colorado, *L. gallae* M. Smith from California, *L. hispidus* Cole from Texas, Coahuila, Nuevo León and Zacatecas, *L. josephi* new species from west central New Mexico, *L. liebi* new species from Texas, *L. lindae* new species from southern California, *L. longispinosus* Roger (= *L. longispinosus laeviceps* Buren = *L. iowensis* Buren) from northeastern United States and southeastern Canada, *L.*

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