

## A REMARKABLE NEW SPECIES OF *PARATRECHINA* (HYMENOPTERA: FORMICIDAE) FROM THE STATE OF COLIMA, MEXICO

WILLIAM P. MACKAY

Laboratory for Environmental Biology, Centennial Museum,  
The University of Texas, El Paso, Texas 79968

*Abstract.*—Ants of the genus *Paratrechina* are common in the New World. *Paratrechina laevigata* Mackay NEW SPECIES, is unusual in that it lacks coarse, dark hairs on the mesosoma and head, which characterize all other New World species of the genus. Superficially it appears to be a member of *Lasius*, with which it could be easily confused.

*Key Words.*—*Paratrechina*, *Lasius*, Mexico, Ant, Formicidae.

*Resumen.*—Hormigas del género *Paratrechina* son comunes en el Nuevo Mundo. Esta nueva especie, *Paratrechina laevigata*, es rara en que no tiene pelos gruesos y oscuros en el mesosoma ni en la cabeza, como en las otras especies del género en el Nuevo Mundo. Superficialmente, se parece a una especie de *Lasius*, y es muy fácil de confundirlas.

The ant genus *Paratrechina* is one of the common elements in the New World, with species occurring in habitats ranging from deserts to tropical rain forests. Determination is difficult and only species from the United States have been subjected to revision (Trager 1984). Species in this genus are easily recognized as there are paired, coarse, dark hairs located on the dorsum of the mesosoma and on the head. This new species does not have these coarse hairs.

The holotype and two paratypes of this new species were discovered in the United States National Museum misidentified as *Acanthomyops mexicanus* Wheeler. Initially I considered it to be an undescribed species of *Lasius*. Upon careful examination, it was determined to be a species of *Paratrechina* which lacks the coarse hairs of its congeners.

### *PARATRECHINA LAEVIGATA* MACKAY, NEW SPECIES (Figs. 1–3)

*Types.*—Holotype worker and two paratype workers; data: MEXICO. COLIMA (no specific locality), Mar 1923, W. M. Mann, labeled *Acanthomyops mexicanus* Whlr., det. R. R. Snelling '68; deposited: U.S. National Museum of Natural History, Washington, D.C., one paratype in Mackay collection.

*Description of worker.*—Head length 0.70–0.78 mm; head width 0.65–0.74 mm; scape length 0.74–0.83 mm; eye length 0.14–0.15 mm; Weber's length 0.83–0.91 mm. Indices: scape index (SL/HL × 100) 106; cephalic index (HW/HL × 100) 93–95. Mandibles with six teeth, subequal in size, with a somewhat larger gap between penultimate and terminal basal tooth (Fig. 2); anterior border of clypeus concave (Fig. 2), surface of clypeus strongly convex; frontal carinae very short, not extending past level of eye; vertex concave; eyes large, with over 50 facets; scape long, extending more than one-half its length past occipital border; maxillary palps with 6 segments, extending about one-half distance to foramen magnum; labial palps with 4 segments, about one-third length of maxillary palps; mesosoma similar to that of *P. arenivaga*; mesopleuron about same width and shape as propodeum, dorsal face short, less than one-half length of posterior face; petiole small and narrow (Fig. 1). Hairs fine, long, erect, covering most surfaces of body; relatively coarse hairs abundant on gaster (Fig. 1); decumbent pubescence essentially absent. Sculpture very weak, entire surface of ant, including gaster, smooth and polished, strongly reflecting light. Color light yellow-brown.