



Chilicola Spinola, 1851 (Hymenoptera, Colletidae, Xeromelissinae) is a diverse genus of small, stem-nesting bees found throughout Central and South America; its 98 species are grouped into 15 subgenera, one of which is here revised. The subgenus *Chilicola* (*Heteroediscelis*) Toro & Moldenke, 1979 is endemic to Chile, spanning a remarkable diversity of habitats: from the arid Atacama Desert in the north, to temperate rainforests in the south, and at elevations ranging 0-3210m a.s.l.

In this new paper, eight new species are described, and one of the ten existing species is synonymized, bringing the total within *C.* (*Heteroediscelis*) to seventeen. In addition to an integrative taxonomic revision, this work includes identification keys for males and females, a phylogenetic analysis using morphology and molecular data, a summary of diagnostic base pair substitutions (CO1), and a biogeographic analysis of species distributions. In all, this work is intended as a comprehensive and thorough reference on the topic of these interesting little bees.

A REVISION OF *CHILICOLA* (*HETEROEDISCELIS*), A SUBGENUS OF XEROMELISSINE BEES (HYMENOPTERA, COLLETIDAE) ENDEMIC TO CHILE: TAXONOMY, PHYLOGENY, AND BIOGEOGRAPHY, WITH DESCRIPTIONS OF EIGHT NEW SPECIES

BY SPENCER K. MONCKTON



Chilicola (*Heteroediscelis*) *randolphi* Monckton, sp. n.

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