



Fifteen new species of *Chilicola* (Hymenoptera: Apoidea; Colletidae)

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Abstract

Fifteen new species of the xeromelissine bee genus *Chilicola* are described. Most are either outliers not obviously belonging to currently known subgenera or expand our concepts of previously described subgenera. Species that do not readily fall into presently recognized subgenera are: *Chilicola obesifrons* Packer, **n. sp.** and the closely related *C. catamarcense* Packer, **n. sp.**; *C. unicarinata* Packer, **n. sp.** and the closely related *C. chubutense* Packer, **n. sp.**, and three comparatively isolated species: *C. biguttata* Packer, **n. sp.**, *C. tregualemu* Packer, **n. sp.**, and *C. setosicornis* Packer, **n. sp.** Species that fall within previously described subgenera are: *C. (Chilioediscelis) aenigma* Packer, **n. sp.**, *C. (Prosopoides) granulosa* Packer, **n. sp.**, *C. (Pseudiscelis) nanula* Packer, **n. sp.**, *C. (Stenoediscelis) denisii* Packer, **n. sp.**, *C. tricarinata* Packer, **n. sp.**, *C. tricarinatoides* Packer, **n. sp.**, and *C. clavillo* Packer, **n. sp.** The last three species belong to “*Oediscelisca*”, a subgenus subsumed within *Oediscelis* by Michener (1995) but requiring re-evaluation. *Chilicola nanula* and *C. aenigma* expand the scope of their respective subgenera. A fifteenth species, *C. liliana* Packer, **n. sp.**, is not placed to subgenus due to a lack of males. Toro and Moldenke’s (1979) subgenus *Stenoediscelis* is returned from synonymy and new characters justifying this resurrection are provided.

Key words: Bees, Apoidea, Colletidae, Xeromelissinae, *Chilicola*, Argentina, Bolivia, Chile, taxonomy, new species, stem nests