## Revision of the North American species of the genus Entomacis (Hymenoptera: Diapriidae)

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Abstract—The species of the genus Entomacis Foerster in North America north of Mexico are revised. Nineteen species (12 new), including 8 species of the Holarctic-wide perplexa species group, are keyed, described, and figured. These taxa are E. ambigua (Brues), E. apopharanis sp. nov., E. arctica sp. nov., E. cellaria sp. nov., E. cepa sp. nov., E. eoraria sp. nov., E. floridana (Ashmead), E. grandiclava sp. nov., E. longii (Ashmead), E. mellipetiola (Ashmead), E. parambigua sp. nov., and perplexa group members E. californica (Ashmead), E. microbipunctuta sp. nov., E. notioxera sp. nov., E. oula sp. nov., E. parva sp. nov., E. perplexa (Haliday), E. sapvata sp. nov., and E. subemarginata (Ashmead). Hemilexodes canadensis (Harrington) is synonymized under Entomacis mellipetiola (Ashmead) (syn. nov.). The status of Entomacis latipennis (Ashmead), E. filiformis (Ashmead), and Hemilexis jessei Mann is reviewed. New character complexes, particularly chaetotaxy, are emphasized for Diapriidae species taxonomy.

Yoder MJ. 2004. Révision des espèces nord-américaines du genre Entomacis (Hymenoptera : Diapriidae). The Canadian Entomologist 136 : 323-405.

Résumé—La révision des espèces du genre Entomacis Foerster d'Amérique du Nord au nord du Mexique contient des clés d'identification, ainsi que les descriptions et les illustrations de dix-neuf espèces (dont 12 nouvelles), y compris les 8 espèces du groupe d'espèces de perplexa dont la répartition s'étend à toute la région holarctique. Ces taxons sont E ambigua (Brues), E apopkaenuis sp. nov., E arctica sp. nov., E cellaria sp. nov., E cepa sp. nov., E eoraria sp. nov., E floridana (Ashmead), E grandiclava sp. nov., E longii (Ashmead), E mellipetiola (Ashmead), E parambigua sp. nov., ainsi que les membres du groupe de perplexa, E californica (Ashmead), E microbipunctata sp. nov., E notioxera sp. nov., E oula sp. nov., E parva sp. nov., E perplexa (Haliday), E saprata sp. nov. e E subemarginata (Ashmead). Hemilexodes canadensis (Harrington) devient un synonyme d'Entomacis mellipetiola (Ashmead) (syn. nov.). Le statut d'Entomacis latipeniis (Ashmead), celui d'E filiformis (Ashmead) et celui d'Hemilexis jessei Mann sont revus. De nouveaux complexes de caractères, particulièrement de chétotaxie, sont mis en valeur dans la taxonomie des espèces de diapriidés.

[Traduit par la Rédaction]

#### Introduction

The family Diapriidae is a relatively poorly known group of parasitic wasps, with less than half of the estimated 4000 worldwide species described (Masner 1993). For the most part, diapriids are small (<5 mm), solitary pupal endoparasites of cyclor-rhaphous and nematocerous Diptera. The genus *Entomocis* Foerster (Hymenoptera: Diapriidae) is relatively easily identified in the subfamily Diapriinae (subfamily keys in Nixon 1980; Masner 1991, 1995; Masner and García 2002), tribe Spilomicrini (diagnosed

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# **Revision Of The North American Europea**

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