

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. apopkaensis* sp. nov., *E. arctica* sp. nov., *E. cellaria* sp. nov., *E. cepa* sp. nov., *E. coraria* 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. microbipunctata* sp. nov., *E. notioxera* sp. nov., *E. oala* sp. nov., *E. parva* sp. nov., *E. perplexa* (Haliday), *E. saprata* sp. nov., and *E. submarginata* (Ashmead). *Hemilexodes canadensis* (Harrington) is synonymized under *Entomacis mellipetiola* (Ashmead) (syn. nov.). The status of *Entomacis latipennis* (Ashmead), *E. filiformis* (Ashmead), and *Hemilexis jessii* 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. apopkaensis* sp. nov., *E. arctica* sp. nov., *E. cellaria* sp. nov., *E. cepa* sp. nov., *E. coraria* 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. oala* sp. nov., *E. parva* sp. nov., *E. perplexa* (Haliday), *E. saprata* sp. nov. et *E. submarginata* (Ashmead). *Hemilexodes canadensis* (Harrington) devient un synonyme d'*Entomacis mellipetiola* (Ashmead) (syn. nov.). Le statut d'*Entomacis latipennis* (Ashmead), celui d'*E. filiformis* (Ashmead) et celui d'*Hemilexis jessii* Mann sont revus. De nouveaux complexes de caractères, particulièrement de chéto taxie, 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 cyclorhaphous and nematocerous Diptera. The genus *Entomacis* Foerster (Hymenoptera: Diapriidae) is relatively easily identified in the subfamily Diapriinae (subfamily keys in Nixon 1980; Masner 1991, 1995; Masner and García 2002), tribe Spilomicroini (diagnosed

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