



Revised checklist of the tiger moths of the Continental United States and Canada

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Abstract

The checklist of the Arctiinae (generally treated as the Arctiidae previously) of the continental United States and Canada is revised, incorporating a number of corrections and changes to publication dates and nomenclature as presented in the recent checklist of Ferguson and Opler (2006). *Clemensia patella* (Druce) is revised to synonymy under *Clemensia albata* Packard, *Holarctia sordida* (McDunnough) is raised from synonymy under *H. cervini* (Fallou), and *Arachnis apachea* Clarke is transferred from synonymy under *Arachnis verna* Barnes & McDunnough to *Arachnis citra* Neumögen & Dyar. *Palaearctia* Ferguson is synonymized under *Holarctia* M. E. Smith. The North American taxa previously treated as the tribe Arctiini are segregated into the subtribes Arctiina and Spilosomina. The genera *Kodiosoma* Stretch and *Euerythra* Harvey, previously treated as Arctiini, are transferred to the subtribe Phaegopterina.

Key words: Checklist, tiger moths, United States, Canada

Introduction

The North American Arctiinae fauna was recently catalogued by Ferguson and Opler (2006), capturing many of the taxonomic changes in this group since the publication of the last comprehensive list (Franclemont 1983) nearly 25 years ago (Franclemont 1983; note that this paper follows the revised family-group nomenclature within Noctuoidea proposed by Lafontaine and Fibiger [2006], with the Arctiidae recognized as a subfamily of the Noctuidae, and previously delineated subfamilies equal to tribes, and tribes as subtribes). Due to uncertainty of publication dates in early taxonomic works, a number of errors in publication dates appeared in the Ferguson and Opler (2006) checklist, and the primary purpose of the present list is to rectify these errors before they become incorporated into subsequent publications. The numerous discrepancies in publication dates between Ferguson and Opler (2006) and the present checklist are not noted individually. Publication date discrepancies between Franclemont (1983) and those given herein are however noted. Palaearctic synonyms of species currently treated as having a Holarctic distribution are not included here, and the original orthography of species epithets are used. For a discussion of this matter, see Sommerer (2002). The occurrence in the U. S. of three species, *Virbia cetes* (Druce, 1897), *V. marginata* (Druce, 1885) and *Pseudohemihylea mansueta* (Henry Edwards) remains unsubstantiated (Ferguson & Opler 2006), and they are therefore not included in this list.

The publication dates for the works of R. H. Stretch, F. Walker, J. Hübner and F. E. Guérin-Ménéville require clarification. The nine-part series of “Illustrations of the Zygaenidae and Bombycidae of North America” published by R. H. Stretch were published between July 1872 and December 1873 according to the title,