



Checklist of Gelechiidae (Lepidoptera) in America North of Mexico

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Abstract

A checklist of Gelechiidae in America north of Mexico is provided based on additions of new taxa and nomenclatorial changes in publications since 1978. This checklist includes the addition of 253 new species and 8 new genera, 30 species and 5 genera previously unrecorded from North America, 4 species inadvertently omitted in the previous checklist, and many nomenclatorial changes. *Ymeldia* Hodges, 1963 is transferred to Oecophoridae. The following new synonymies are established: *Neoschema* Povolny, 1967, n. syn. of *Gnorimoschema* Busck, 1900; *Scrobipalpulopsis* Povolný, 1987, n. syn. of *Scrobipalpula* Povolný; 1964, *Tuta* Kieffer & Jörgensen, 1910, rev. syn. of *Phthorimaea* Meyrick, 1902; *Eupolella* Fletcher, 1940, n. syn. of *Dichomeris* Hübner, [1818]; *Eupolis* Meyrick, 1923, n. syn. of *Dichomeris* Hübner, [1818]; *Aristotelia nigrobasiella* Clarke, 1932, n. syn. of *Aristotelia isopelta* Meyrick, 1929; *Aristotelia intermediella* (Chambers, 1879), n. syn. of *Aristotelia pudibundella* (Zeller, 1873); *Gelechia brumella* Clemens, 1864, n. syn. of *Chionodes continuella* (Zeller, 1839); *Anacamptis bidiscomaculella* (Chambers, 1874), rev. syn. of *Anacamptis fullonella* (Zeller, 1873); *Aroga trachycosma* (Meyrick, 1923), n. syn. of *Aroga elaboratella* (Braun, 1923); and *Dichomeris caryaefoliella* (Chambers, 1872), n. syn. of *Dichomeris georgiella* (Walker, 1866). The following new combinations are made: *Monochroa pullusella* (Chambers, 1874), n. comb., *Monochroa robusta* (Braun, 1921), n. comb., *Gnorimoschema klotsi* (Povolný, 1967), n. comb., *Gnorimoschema powelli* (Povolný, 1998a), n. comb., *Scrobipalpuloides chiquitella* (Busck, 1910), n. comb., *Scrobipalpuloides chiquitelloides* (Powell & Povolný, 2001), n. comb., *Scrobipalpuloides elaborata* (Povolný, 2000), n. comb., *Scrobipalpuloides insularis* (Powell & Povolný, 2001) n. comb., *Scrobipalpuloides isolata* (Povolný, 2000) n. comb., *Scrobipalpuloides spinosa* (Povolný, 2000), n. comb., *Scrobipalpuloides totalis* (Povolný, 2000), n. comb., *Scrobipalpuloides truncata* (Povolný, 2000), n. comb., *Scrobipalpula lutescella* (Clarke, 1934), n. comb., *Scrobipalpula lycii* (Powell & Povolný, 2001), n. comb., *Scrobipalpula physaliella* (Chambers, 1872), n. comb., and *Scrobipalpa arenaceariella* (Powell & Povolný, 2001), n. comb. New records for the Nearctic Region are given for *Carpatolechia fugitivella* (Zeller), *Carpatolechia notatella* (Hübner), *Carpatolechia proximella* (Hübner), and *Altenia perspersella* (Wocke). This checklist also provides the type localities of species based on examination of specimens and published references. Subfamilies have been divided into tribes, which has required rearrangement of genera. References that include new taxa or nomenclatorial changes since 1978 are provided.

Key words: Checklist, Gelechiidae, Lepidoptera, type locality, Nearctic