Order Blattodea Brunner von Wattenwyl, 1882 12 (3 superfamilies)

Superfamily Corydioidea Saussure, 1864³ (2 families)

Family Nocticolidae Bolívar, 1892 (9 genera, 32 species)

Family Corydiidae Saussure, 1864⁴ (39 genera, 215 species)

Superfamily Blaberoidea Saussure, 1864 (2 families)

Family Ectobiidae Brunner von Wattenwyl, 1865 ⁵ (223 genera, 2381 species)

Family Blaberidae Saussure, 1864 (165 genera, 1198 species)

Superfamily Blattoidea Latreille, 1810 ⁶ (3 epifamilies)

Epifamily Blattoidae Latreille, 1810 (3 families)

Family **Blattidae** Latreille, 1810 (41 genera, 594 species)

Family Lamproblattidae McKittrick, 1964 (3 genera, 10 species)

Family **Tryonicidae** McKittrick & Mackerras, 1965 (10 genera, 47 species)

Epifamily Cryptocercoidae Handlirsch, 1925 (1 family)

Family Cryptocercidae Handlirsch, 1925 (1 genus, 12 species)

Epifamily **Termitoidae** Latreille, 1802 (9 families)

Family Mastotermitidae Desneux, 1904 (1 genus, 1 species)

Family **Hodotermitidae** Desneux, 1904 (3 genera, 15 species)

Family Archotermopsidae Engel, Grimaldi & Krishna, 2009 (3 genera, 11 species)

Family Stolotermitidae Holmgren, 1910 (2 genera, 10 species)

Family **Kalotermitidae** Froggatt, 1897 (21 genera, 420 species)

Family Stylotermitidae Holmgren & Holmgren, 1917 (1 genus, 34 species)

Family **Rhinotermitidae** Froggatt, 1897 (12 genera, 280 species)

Family Serritermitidae Holmgren, 1910 (2 genera, 6 species)

Family **Termitidae** Latreille, 1802 (202 genera, 1915 species)

References

Beccaloni, G.W. *Blattodea Species File Online*. Version 1.2/4.0. World Wide Web electronic publication. http://Blattodea.Species-File.org [accessed 2 June 2011] (A regularly updated world catalogue of the Blattodea excluding the Termitoidae (termites)) Eggleton, P., Beccaloni, G. & Inward, D. (2007) Invited reply: Response to Lo *et al. Biology Letters*, 3(5), 564–565.

Engel, M.S., Grimaldi, D.A. & Krishna, K. (2009) Termites (Isoptera): Their Phylogeny, Classification, and Rise to Ecological Dominance. *American Museum Novitates*, 3650, 1–27.

Engel, M.S. & Krishna, K. (2004) Family-group names for termites (Isoptera). American Museum Novitates, 3432, 1–9.

Inward, D., Beccaloni, G. & Eggleton, P. (2007) Death of an order: a comprehensive molecular phylogenetic study confirms that termites are eusocial cockroaches. *Biology Letters*, 3(3), 331–335.

Kevan, D.K.McE. (1977) Suprafamilial classification of "orthopteroid" and related insects, applying the principles of symbolic logic – a draft scheme for discussion and consideration. *In:* Kevan, D.K.McE. (Ed.) *The Higher Classification of the Orthopteroid Insects*. Lyman Entomological Museum and Research Laboratory, Memoir 4 (Special Publication 12), 79 pp.

^{1.} BY George W. Beccaloni and Paul Eggleton (for full contact details, see the list for **Author addresses** after **References**). The title of this contribution should be cited as "Order Blattodea Brunner von Wattenwyl, 1882. In: Zhang, Z.-Q. (Ed.) Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness".

^{2.} Blattodea are the cockroaches and termites. This classification excludes fossil taxa, since the taxonomic placement of many of these is uncertain. There are 7314 extant named species of Blattodea, of which 4622 are cockroaches and 2692 are termites. 133 valid cockroach species are not currently placed into a superfamily. Note that the Code of the International Commission of Zoological Nomenclature has no rules for the construction of the names of orders and several names are currently in use for this group, in particular the name Blattaria. Blattodea is the author's preference because it is widely used and because the name ends with the suffix "-odea", which is the same ending used for the name of its sister group, the Mantodea.

^{3.} Polyphagoidea Saussure, 1864 is a junior subjective synonym of Corydioidea based on the First Reviser Principle of the ICZN Code (see below).

^{4.} Polyphagidae Saussure, 1864 is a junior subjective synonym of Corydiidae. Brunner von Wattenwyl (1865) as First Reviser chose to use Corydiidae (based on Corydiens Saussure, 1864) as the name for the group rather than Polyphagidae (this name was first used in this form by Walker, 1868). Corydiidae was in common usage until Princis incorrectly synonymised it in 1950 (for details see Kevan (1977)).

^{5.} An ICZN Ruling (Melville, 1982) states that the name Ectobiidae is to be given precedence over Blattellidae Karny, 1908 (the replacement name for Phyllodromiidae Brunner von Wattenwyl, 1865) whenever these names are used within a single superfamily.

Although Blattoidea Latreille, 1810 is a junior subjective synonym of Termitoidea Latreille, 1802 (which is the oldest family-group name for this group), Blattoidea is in prevailing usage as the name for this superfamily and it has therefore been retained in accordance with Article 35.5 of the ICZN Code.

^{7.} These are the termites, which were formerly classified as order Isoptera (see Inward, Beccaloni & Eggleton (2007) and Eggleton, Beccaloni & Inward (2007)). The families listed here are those recognised by Engel, Grimaldi & Krishna (2009) (also see Engel & Krishna (2004)).

Melville, R.V. (1982) Opinion 1231. *Blatta germanica* Linnaeus, 1767 (Insecta, Dictuoptera): conserved and designated as type species of *Blattella* Caudell, 1903. *Bulletin of Zoological Nomenclature*, 39(4), 243–246.

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