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## **A catalogue of family and genus group names in Scolytinae and Platypodinae with nomenclatural remarks (Coleoptera: Curculionidae)**

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## Abstract

A list of available taxonomic names in Curculionidae: Scolytinae and Platypodinae in family- and genus-groups is given, together with some remarks on unavailable nominal taxa. Comments are provided on their status and nomenclature, and additions and corrections to extant catalogues given, as a first step for their inclusion in the electronic catalogue 'WTaxa'. **Available names**, not recognised as such in current published catalogues, are: *Mecopelminae* Thompson, 1992; *Trypodendrina* Nunberg, 1954; *Archaeoscolytus* Butovitsch, 1929; *Camptocerus* Dejean, 1821; *Coccotrypes* Eichhoff, 1878 (April); *Coptogaster* Illiger, 1804; *Cosmoderes* Eichhoff, 1878 (April); *Cryptoxyleborus* Wood & Bright, 1992; *Cylindra* Illiger, 1802; *Dendrochilus* Schedl, 1963; *Dendrocranulus* Schedl, 1938; *Doliopygus* Browne, 1962; *Doliopygus* Schedl, 1972; *Erioschidias* Wood, 1960; *Ernopocerus* Wood, 1954; *Idophelus* Rye, 1877; *Lepicerus* Eichhoff, 1878 (April); *Lepidocerus* Rye, 1880; *Miocryphalus* Schedl, 1963; *Ozopemon* Hagedorn, 1910; *Phloeoditica* Schedl, 1963; *Pinetoscolytus* Butovitsch, 1929; *Pycnarthrum* Eichhoff, 1878 (April); *Pygmaeoscolytus* Butovitsch, 1929; *Scolytogenes* Eichhoff, 1878 (April); *Spinuloscolytus* Butovitsch, 1929; *Stephanopodius* Schedl, 1963; *Stylotentus* Schedl, 1963; *Thamnophthorus* Blackman, 1942; *Trachyostus* Browne, 1962; *Treptoplastypus* Schedl, 1972; *Triarmocerus* Eichhoff, 1878 (April); *Trypodendrum* Agassiz, 1846; *Tubuloscolytus* Butovitsch, 1929; *Xelyborus* Schedl, 1939. **Unavailable names**, not recognised as such in the current published catalogues, are: *Chaetophloeini* Schedl, 1966; *Eidophelinae* Murayama, 1954; *Mecopelmini* Wood, 1966; *Strombophorini* Schedl, 1960; *Tomicidae* Shuckard, 1840; *Trypodendrinae* Trédl, 1907; *Acryphalus* Tsai & Li, 1963; *Adryocoetes* Schedl, 1952; *Asetus* Nunberg, 1958; *Carphoborites* Schedl, 1947; *Charphoborites* Schedl, 1947; *Cryptoxyleborus* Schedl, 1937; *Cylindrotomicus* Eggers, 1936; *Damigerus* Dejean, 1835; *Damigerus* Dejean, 1836; *Dendrochilus* Schedl, 1957; *Dendrocranulus* Schedl, 1937; *Doliopygus* Schedl, 1939; *Erioschidias* Schedl, 1938; *Ernopocerus* Balachowsky, 1949; *Gnathotrichoides* Blackman, 1931; *Ipites* Karpiński, 1962; *Isophthorus* Schedl, 1938; *Jugocryphalus* Tsai & Li, 1963; *Landolphianus* Schedl, 1950; *Mesopygus* Nunberg, 1966; *Micraciops* Schedl, 1953; *Miocryphalus* Schedl, 1939; *Mixopygus* Nunberg, 1966; *Neohyorrhynchus* Schedl, 1962; *Neophloeotribus* Eggers, 1943; *Neopityophthorus* Schedl, 1938; *Neoxyleborus* Wood, 1982; *Phloeoditica* Schedl, 1962; *Platypinus* Schedl, 1939; *Platyscapulus* Schedl, 1957; *Platyscapus* Schedl, 1939; *Pygodolius* Nunberg, 1966; *Scutopygus* Nunberg, 1966; *Stephanopodius* Schedl, 1941; *Stylotentus* Schedl, 1939; *Taphrostenoxis* Schedl, 1965; *Tesseroplastypus* Schedl, 1935; *Thamnophthorus* Schedl, 1938; *Thylurcos* Schedl, 1939; *Trachyostus* Schedl, 1939; *Treptoplastus* Schedl, 1939. The name *Tesseroceri* Blandford, 1896, incorrectly given as "Tesserocerini genuini" in current catalogues, is unavailable as basionym for the family-group name, since it was proposed as a genus-group name. **Resurrected names** from synonymy are: *Hexacolini* Eichhoff, 1878 from synonymy under *Ctenophorini* Chapuis, 1869 (invalid name because its type genus is a homonym) and given precedence over *Problechilidae* Eichhoff, 1878 under Art. 24.2; *Hylurgini* Gistel, 1848 from virtual synonymy under *Tomicini* C.G. Thomson, 1859 (unavailable name); *Afromicracis* Schedl, 1959 from synonymy under *Miocryphalus* Schedl, 1939 (an unavailable name) to valid genus; *Costaroplastus* Nunberg, 1963 from synonymy under *Platyscapulus* Schedl, 1957 (an unavailable name) to valid genus; *Cumatotomicus* Ferrari, 1867 from synonymy under *Ips* DeGeer, 1775 to valid subgenus of the same; *Hapalogenius* Hagedorn, 1912 from synonymy under *Rhopalopselion* Hagedorn, 1909 to valid genus; *Pseudips* Cognato, 2000, from synonymy under *Orthotomicus* Ferrari, 1867 to valid genus. **New synonyms** are: *Hexacolini* Eichhoff, 1878 (= *Eri-neophilides* Hopkins, 1920, **syn. nov.**); *Hypoborini* Nuesslin, 1911 (= *Chaetophloeini* Schedl, 1966, unavailable name, **syn. nov.**); *Scolytini* Latreille, 1804 (= *Minulini* Reitter, 1913, **syn. nov.**); *Afromicracis* Schedl, 1959 (= *Miocryphalus* Schedl, 1963, **syn. nov.**); *Aphanarthrum* Wollaston, 1854 (= *Coleobothrus* Enderlein, 1929, **syn. nov.**); *Coccotrypes* Eichhoff, 1878 (April) (= *Coccotrypes* Eichhoff, 1878 (December), **syn. nov.**); *Cosmoderes* Eichhoff, 1878 (April) (= *Cosmoderes* Eichhoff, 1878 (December), **syn. nov.**); *Cumatotomicus* Ferrari, 1867 (= *Emarips* Cognato, 2001, **syn. nov.**); *Doliopygus* Browne, 1962 (= *Doliopygus* Schedl, 1972, **syn. nov.**); *Eidophelus* Eichhoff, 1875 (= *Idophelus* Rye, 1877, **syn. nov.**); *Hapalogenius* Hagedorn, 1912 (= *Hylesinopsis* Eggers, 1920, **syn. nov.**); *Phloeoborus* Erichson, 1836 (= *Phloeotrypes* Agassiz, 1846, **syn. nov.**); *Pycnarthrum* Eichhoff, 1878 (April) (= *Pycnarthrum* Eichhoff, 1878 (December), **syn. nov.**); *Scolytogenes* Eichhoff, 1878 (April) (= *Scolytogenes* Eichhoff, 1878 (December) = *Lepicerus* Eichhoff, 1878 (December) = *Lepidocerus* Rye, 1880, **synn. nov.**); *Trypodendron* Stephens, 1830 (= *Xylotrophus* Gistel, 1848 = *Trypodendrum* Gistel, 1856, **synn. nov.**); *Xylechinus* Chapuis, 1869 (= *Chilodendron* Schedl, 1953, **syn. nov.**); *Cosmoderes monilicollis* Eichhoff, 1878 (April) (= *Cosmoderes monilicollis* Eichhoff, 1878 (December), **syn. nov.**); *Hylastes pumilus* Mannerheim, 1843 (= *Dolurgus pumilus* Eichhoff, 1868, **syn. nov.**); *Hypoborus hispidus* Ferrari, 1867 (= *Pycnarthrum gracile* Eichhoff, 1878 (April) **syn. nov.**); *Miocryphalus agnatus* Schedl, 1939 (= *Miocryphalus agnatus* Schedl, 1942, **syn. nov.**); *Miocryphalus congonus* Schedl, 1939 (= *Miocryphalus congonus* Eggers, 1940, **syn. nov.**); *Lepicerus aspericollis* Eichhoff, 1878 (April) = *Lepicerus aspericollis* Eichhoff, 1878 (December), **syn. nov.**); *Spathicranuloides moikui* Schedl, 1972 (June) (= *Spathicranuloides moikui* Schedl, 1972 (December), **syn. nov.**); *Triarmocerus cryphalo-*

*ides* Eichhoff, 1878 (April) (= *Triarmocerus cryphaloides* Eichhoff, 1878 (December), **syn. nov.**); *Scolytogenes darvini* Eichhoff, 1878 (April) (= *Scolytogenes darwinii* Eichhoff, 1878 (December), **syn. nov.**). **New type species designations** are: *Bostrichus dactyliperda* Fabricius, 1801 for *Coccotrypes* Eichhoff, 1878 (April); *Triarmocerus cryphaloides* Eichhoff, 1878 (April) for *Triarmocerus* Eichhoff, 1878 (April); *Ozopemon regius* Hagedorn, 1908 for *Ozopemon* Hagedorn, 1910 (non 1908); *Dermestes typographus* Linnaeus, 1758 for *Bostrichus* Fabricius, 1775 (non Geoffroy, 1762). **New combinations** are: *Afromicracis agnata* (Schedl, 1939), *A. attenuata* (Eggers, 1935), *A. ciliatipennis* (Schedl, 1979), *A. congona* (Schedl, 1939), *A. dubia* (Schedl, 1950), *A. elongata* (Schedl, 1965), *A. grobleri* (Schedl, 1961), *A. klainedoxae* (Schedl, 1957), *A. longa* (Nunberg, 1964), *A. natalensis* (Eggers, 1936), *A. nigrina* (Schedl, 1957), *A. nitida* (Schedl, 1965), *A. pennata* (Schedl, 1953) and *A. punctipennis* (Schedl, 1965) all from *Miocryphalus*; *Costaroplatus abditulus* (Wood, 1966), *C. abditus* (Schedl, 1936), *C. carinulatus* (Chapuis, 1865), *C. clunalis* (Wood, 1966), *C. cluniculus* (Wood, 1966), *C. clunis* (Wood, 1966), *C. costellatus* (Schedl, 1933), *C. frontalis* (Blandford, 1896), *C. imitatrix* (Schedl, 1972), *C. manus* (Schedl, 1936), *C. occipitis* (Wood, 1966), *C. pulchellus* (Chapuis, 1865), *C. pulcher* (Chapuis, 1865), *C. pusillimus* (Chapuis, 1865), *C. subabditus* (Schedl, 1935), *C. turgifrons* (Schedl, 1935) and *C. umbrosus* (Schedl, 1936) all from *Platyscapulus*; *Hapalogenius africanus* (Eggers, 1933), *H. alluaudi* (Lepesme, 1942), *H. angolanus* (Wood, 1988), *H. angolensis* (Schedl, 1959), *H. arabiae* (Schedl, 1975), *H. atakorae* (Schedl, 1951), *H. ater* (Nunberg, 1967), *H. baphiae* (Schedl, 1954), *H. brincki* (Schedl, 1957), *H. confusus* (Eggers, 1935), *H. decellei* (Nunberg, 1969), *H. dimorphus* (Schedl, 1937), *H. dubius* (Eggers, 1920), *H. emarginatus* (Nunberg, 1973), *H. endroedyi* (Schedl, 1967), *H. fasciatus* (Hagedorn, 1909), *H. ficus* (Schedl, 1954), *H. fuscipennis* (Chapuis, 1869), *H. granulatus* (Lepesme, 1942), *H. hirsutus* (Schedl, 1957), *H. hispidus* (Eggers, 1924), *H. horridus* (Eggers, 1924), *H. joveri* (Schedl, 1950), *H. kenya* (Wood, 1986), *H. oblongus* (Eggers, 1935), *H. orientalis* (Eggers, 1943), *H. pauliani* (Lepesme, 1942), *H. punctatus* (Eggers, 1932), *H. quadrituberculatus* (Schedl, 1957), *H. rhodesianus* (Eggers, 1933), *H. saudi Arabiae* (Schedl, 1971), *H. seriatus* (Eggers, 1940), *H. squamosus* (Eggers, 1936), *H. striatus* (Schedl, 1957), *H. sulcatus* (Eggers, 1944), *H. togonus* (Eggers, 1919), *H. ugandae* (Wood, 1986) and *H. variegatus* (Eggers, 1936), all from *Hylesinopsis*. **New ranks** are: Diapodina Strohmeier, 1914, downgraded from tribe of Tesserocerinae to subtribe of Tesserocerini; Tesserocerina Strohmeier, 1914, downgraded from tribe of Tesserocerinae to subtribe of Tesserocerini. **New placements** are: Coptonotini Chapuis, 1869 from tribe of Coptonotinae to tribe of Scolytinae; Mecopelmini Thompson, 1992, from tribe of Coptonotinae to tribe of Platypodinae; Schedlariini Wood & Bright, 1992, from tribe of Coptonotinae to tribe of Platypodinae; *Spathicranuloides* Schedl, 1972, from Platypodinae *s.l.* to Tesserocerina; *Toxophthorus* Wood, 1962 from Scolytinae *incertae sedis* to Dryocoetini. **Confirmed placements** are: Onychiini Chapuis, 1869 to tribe of Cossoninae (including single genus *Onychius* Chapuis, 1869); *Sciatrophus* Sampson, 1914 in Cossoninae *incertae sedis*; *Cryphalites* Cockerell, 1917 in Zopheridae Colydiinae. **Corrected spellings** are: Micracidini LeConte, 1876 for Micracini; Phrixosomatini Wood, 1978 for Phrixosomini. Gender agreements are corrected for species of several genera.

**Key words:** Coleoptera, Curculionoidea, Curculionidae, Scolytinae, Platypodinae, Cossoninae, Zopheridae, World Catalogue, additions, corrections, available names, unavailable names, resurrected names, new synonymies, new type species designations, new combinations, new ranks, new placements, confirmed placements

## Introduction

A major problem users of taxonomy have is with the lack of stability of names. This is a particular problem with names of taxa within economically important groups such as bark beetles. In an effort to address this issue for a very large group of economically important insects, the weevils (Curculionoidea), we have been developing a global checklist to all species, genus and family names (Alonso-Zarazaga & Lyal, 1999, 2002; Lyal & Alonso-Zarazaga, 2006). This checklist is now dubbed 'WTaxa' (<http://wtaxa.csic.es>). Currently we are extending the checklist to the Scolytinae (sensu Kuschel *et al.*, 2000). A great deal of work in this regard had been undertaken by Wood and Bright (1987, 1992) and Bright and Skidmore (1997, 2002). As we incorporated the names into the database we have checked all the spellings and primary references in these sources against the original texts. In doing so we found a number of errors and problems, which we deal with in this paper. We have not, however, attempted to cover all of the bibliography to find either subsequent spellings of family-group names proposed before those given here, or more misspellings.