

Abstract

The genera of Australian Coccinellidae are reviewed. Fifty seven genera and about 260 valid described species are recognised. All genera are diagnosed, described and illustrated and a key to their identification is provided. Larvae of 30 species are described, illustrated and keyed. Two subfamilies and 12 tribes are recognised in the Australian fauna.

Ten new genera are proposed: *Andrzej* for *Andrzej antennatus* sp. nov., *Hong* for *Hong glorious* sp. nov.; *Nat* for *Nat vandenbergae* sp. nov.; *Lucialla* for *Lucialla almeidae* sp. nov.; *Iracilda* for *Iracilda limae* sp. nov.; *Wioletta* for *Rhizobius elongatus* Blackburn; *Roger* for *Roger boothi* sp. nov.; *Robert* for *Robert popei* sp. nov.; *Poorani* for *Poorani serrata* sp. nov.; and *Guillermo* for *Guillermo minutus* sp. nov.

Apolinus Pope & Lawrence, 1990 and *Parastethorus* Pang & Mao, 1975 are elevated to full genera.

Of the previously described species, *Scymnus subevanidus* Blackburn, 1895 is transferred to *Scymnomorphus* Weise. *Cycloscymnus minutus* Blackburn, 1892, *C. concolor* Blackburn, 1895 and *Serangium punctipenne* Lea, 1902 are transferred to *Bucolellus* Blackburn. Thirty-four species are transferred to *Diomus* Mulsant: *Scymnus australasiae* Blackburn, 1892, *S. brisbanensis* Blackburn, 1895, *S. casuarinae* Blackburn, 1889, *S. corticalis* Lea, 1908, *S. cowleyi* Blackburn, 1895, *S. cucullifer* Blackburn, 1892, *S. elutus* Lea, 1902, *S. ementitor* Blackburn, 1895, *S. flavolaterus* Lea, 1926, *S. frater* Lea, 1902, *S. impictus* Blackburn, 1895, *S. inaeffectatus* Blackburn, 1892, *S. indistinctus* Lea, 1902, *S. insidiosus* Blackburn, 1889, *S. inusitatus* Blackburn, 1889, *S. jocosus* Blackburn, 1892, *S. kamerungensis* Blackburn, 1895, *S. lubricus* Blackburn, 1889, *S. macrops* Lea, 1929, *S. mimicus* Lea, 1902, *S. obumbratus* Blackburn, 1895, *S. operosus* Blackburn, 1895, *S. planulatus* Blackburn, 1895, *S. poonindiensis* Blackburn, 1889, *S. subclarus* Blackburn, 1895, *S. subelongatulus* Blackburn, 1892, *S. trilobus* Lea, 1902, *S. triangularis* Lea, 1902, *S. sedani* Blackburn, 1889, *S. striatus* Lea, 1902, *S. sydneyensis* Blackburn, 1892, *S. tenebricosus* Boheman, 1859, *S. variiceps* Lea, 1929, *S. whittonensis* Blackburn, 1892. Six species are transferred to *Apolinus* Pope & Lawrence: *Scymnodes chappuisi* Weise, 1923; *S. spilotus* Weise, 1923; *Platyomus cribratus* Blackburn, 1895; *P. lividigaster* Mulsant, 1853; *Eupalea rotunda* Blackburn, 1889; and *Platyomus terminalis* Blackburn, 1895. *Scymnus stragulatus* Erichson, 1842 is transferred to *Bucolus* Mulsant. *Scymnomorpha duplopunctulata* Blackburn, 1892, *Pullus mjoebergi* Weise, 1923 and *Midus pygmaeus* Blackburn, 1892 are transferred to *Scymnus* Kugelmann. *Stethorus histrio* Chazeau, 1974, *S. nigripes* Kapur, 1948 and *Scymnus obscuripennis* Lea, 1929 are transferred to *Parastethorus* Pang & Mao. *Rhizobius elongatulus* Crotch, 1874 and *R. subfuscus* Blackburn, 1889 are transferred to *Wioletta* gen. nov. *Rhizobius crotchi* Blackburn, 1895, *R. nigronotatus* Blackburn, 1892, *R. ornatipennis* Blackburn, 1892 and *R. proprius* Blackburn, 1889 are transferred to *Rodatus* Mulsant. *Novius bellus* Blackburn, 1889, *N. discoidalis* Blackburn, 1895, *N. immaculatus* Lea, 1902, *N. limbatus* Blackburn, 1895, *N. lindi* Blackburn, 1889, *N. ruber* Blackburn, 1889, *N. simplicipennis* Blackburn, 1895, *Eurodolia severini* Weise, 1895, *N. tripustulatus* Blackburn, 1895 are transferred to *Rodolia* Mulsant.

The following new generic synonymies are proposed (junior synonym listed first): *Cycloscymnus* Blackburn, 1892 = *Bucolellus* Blackburn, 1889; *Amidellus* Weise, 1923 = *Diomus* Mulsant, 1850; *Bucolinus* Blackburn, 1892b = *Bucolus* Mulsant, 1850; *Scymnomorpha* Blackburn, 1892 = *Scymnus* Kugelmann, 1794; *Eurodolia* Weise, 1895 = *Rodolia* Mulsant, 1850; *Leptothea* Weise, 1898 = *Illeis* Mulsant, 1850 and *Phrynolemnia* Iablokoff-Khnzorian, 1984a = *Phrynocaria* Timberlake, 1943.

The genus *Adoxellus* Weise, 1895 and the species *Adoxellus concinnus* Weise, 1895 (= *Scymnus flavohirtus* Broun, 1880 **new synonym**) are clearly New Zealand taxa and are here considered to be wrongly recorded from Australia.