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## Taxonomic revision of the longicorn beetle genus *Uracanthus* Hope 1833 (Coleoptera: Cerambycidae: Cerambycinae: Uracanthini) from Australia

DUANGRAT THONGPHAK, QIAO WANG

### Abstract

A thorough taxonomic revision of the Australian *Uracanthus* is provided, including a redefinition of the scope of the genus, descriptions and illustrations of new and previously known species, and a key to all species. The revised Australian *Uracanthus* includes 39 species, eight of which are established as new to science: *U. pseudogigas* sp. nov., *U. maculatus* sp. nov., *U. griseus* sp. nov., *U. bicoloratus* sp. nov., *U. perthensis* sp. nov., *U. punctulatus* sp. nov., *U. quadristriolatus* sp. nov., and *U. bistrilolatus* sp. nov. Six new synonyms are proposed (senior synonyms last): *U. multilineatus* McKeown with *U. ventralis* Lea, *U. dentiapicalis* McKeown with *U. parvus* Lea, *U. marginellus* Hope and *U. inermis* Lea (not Aurivillius) with *U. bivitta* Newman, *U. fuscostriatus* McKeown with *U. lateroalbus* Lea, and *U. daviumbus* Gressitt with *U. longicornis* Lea. Dorsal views of all species are presented as photographs, terminalia of both sexes illustrated, and distributions mapped. The larvae of this genus are borers of at least 31 genera of trees and parasitic plants in 15 families (Asteraceae, Betulaceae, Casuarinaceae, Cupressaceae, Fabaceae, Loranthaceae, Myrtaceae, Pittosporaceae, Proteaceae, Rhamnaceae, Rosaceae, Rutaceae, Sapindaceae, Sterculiaceae, and Xanthorrhoeaceae), including some economically important crops such as citrus, lychee (or litchi), peach, plum, and apricot. Several species are important pests of orchards. *Uracanthus* adults visit flowers of various tree species and are attracted to the light.

### Keywords

Coleoptera, Cerambycidae, Cerambycinae, *Uracanthus*, Australia, revision

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### References

- Allen, W.J., Blunno, M., Froggatt, W.W. & Guthrie, F.B. (1898a) Insect and fungus diseases of fruit-tree and their remedies. *Agricultural Gazette of New South Wales*, 9, 1028–1043.
- Allen, W.J., Blunno, M., Froggatt, W.W. & Guthrie, F.B. (1898b) Insect and fungus diseases of fruit-tree and their remedies. *Agricultural Gazette of New South Wales*, 9, 1216–1221.
- Aurivillius, C. (1912) *Coleopterorum Catalogus*. Pars 39, Cerambycidae: Cerambycinae. W. Junk, Berlin, 574 pp.
- Aurivillius, C. (1917) Results of Dr. E. Mjöberg's Swedish scientific expeditions to Australia 1910–1913, Part XII. Cerambycidae. *Arkiv för Zoologi*, 10, 1–50.
- Bense, U. (1995) *Longhorn Beetles: Illustrated Key to the Cerambycidae and Vesperidae of Europe*, Margraf, Germany, 512 pp.
- Best, D. (1882) Longicorn beetles of Victoria, Part V. *The Southern Science Record*, 2, 35–38.
- Blackburn, T. (1889) Notes on Australian Coleoptera, with descriptions of new species, Part III. *Proceedings of the Linnean Society of New South Wales*, 4, 445–482.
- Blackburn, T. (1894) Notes on Australian Coleoptera, with descriptions of new species, Part XV. *Proceedings of the Linnean Society of New South Wales*, 9, 85–108.
- Boisduval, J. B. A. (1835) Faune entomologique de l'océan pacifique, deuxième partie.

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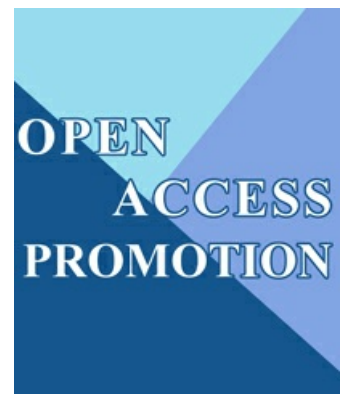
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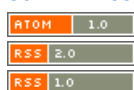
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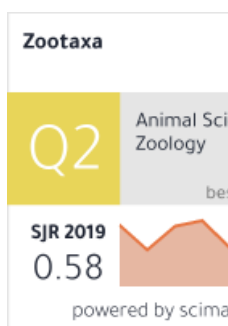
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Brimblecombe, A. R. (1943) Citrus branch borer. *Queensland Agricultural Journal*, 57, 37–39.

Dixon, J. E. (1908) Food plants of Victorian longicorn beetles. *Victorian Nature*, 25, 77.

Duffy, E. A. J. (1963) *A Monograph of Immature Stages of Australian Timber Beetles (Cerambycidae)*, British Museum (Natural History), London, 235 pp.

Ehara, S. (1954) Comparative anatomy of male genitalia in some cerambycid beetles (Coleoptera: Cerambycidae). *Journal of Faculty of Science, Hokkaido University, Series VI, Zoology*, 12, 61–114.

French, C. (1900) *A Handbook of Destructive Insects of Victoria, with Notes on the Methods to Be Adopted to Check and Extirpate Them, Part III*. Government Printer, Melbourne, 229 pp.

French, C. (1911) *A Handbook of Destructive Insects of Victoria, with Notes on the Methods of Prevention and Extirpation, Part V*. Government Printer, Melbourne, 169 pp.

Froggatt, W.W. (1893) On the life-histories of Australian Coleoptera, Part I. *Proceedings of the Linnean Society of New South Wales*, 8, 27–42.

Froggatt, W.W. (1894) On the life-histories of Australian Coleoptera. Part II. *Proceedings of the Linnean Society of New South Wales*, 9, 113–125.

Froggatt, W.W. (1898) Fruit–tree and vine pests. *Agricultural Gazette of New South Wales*, 9, 41–47.

Froggatt, W. W. (1902) Insects of wattle trees. *Agricultural Gazette of New South Wales*, 13, 701–720.

Froggatt, W. W. (1907) *Australian Insects*. W. Brooks & Co., Sydney, 449 pp.

Froggatt, W. W. (1919) The native lime-tree borer. *Agricultural Gazette of New South Wales*, 30, 261–267.

Froggatt, W. W. (1923) *Forest Insects of Australia*. Forestry Commission of New South Wales, Sydney, 171 pp.

Gahan, C. J. (1893) Notes on the longiconia of Australia and Tasmania. Part I, with a list of the species collected by Mr. J. J. Walker, and descriptions of new forms. *Transactions of the Entomological Society of London*, 2, 165–197.

Gallard L. (1916) List of insects associated with *Acacia decurrens*. *Australian Nature*, 3, 112–114.

Gressitt, J. L. (1951) Longicorn beetles from New Guinea and the South Pacific (Coleoptera: Cerambycidae). *Annals of the Entomological Society of America*, 44, 1–30.

Gressitt, J. L. (1959) Longicorn beetles from New Guinea, I (Cerambycidae). *Pacific Insects*, 1, 59–171.

Gurney, W. B. (1911) A study of wattle trees (*Acacia*) and a list of insects of wattle trees. *Australian Nature*, 2, 56–59.

Hawkeswood, T. J. (2002) Review of the biology and host plants of the Australian longicorn beetle *Uracanthus triangularis* (Hope, 1833) (Coleoptera: Cerambycidae). *Entomologische Zeitschrift mit Insekten-Borse*, 112, 59–62.

Hope, F.W. (1833) On the characters of several new genera and species of coleopterous insects. *Proceedings of the Zoological Society of London*, 1, 60–64.

Hope, F.W. (1834) Characters and descriptions of several new genera and species of coleopterous insects. *Transactions of the Zoological Society of London*, 1, 91–112.

Hope, F.W. (1841a) An extract of observations on the Stenochoridae of New Holland, with description of new genera and species of that family. *Proceeding of the Zoological Society of London*, 8, 46–55.

Hope, F.W. (1841b) Observations on the Stenochoridae of New Holland with descriptions of new species. *The Annals and Magazine of Natural History*, 7, 58–67.

Hope, F.W. (1844) Observations on the Stenochoridae of New Holland with description of new genera and species of that family. *Transactions of the Zoological Society of London*, 3, 187–201.

Lacordaire, J. T. (1869) *Histoire Naturelle des Insectes. Genera des Coléoptères ou exposé Methodique et Critique de tous les Genres Proposés jusqu'ici dans cet Ordre d'Insectes. VIII. Tricténatomides et Logicornes*. Roret, Paris, 552 pp.

Laporte, F. L. (1840) *Histoire Naturelle des Insectes. Tom. I–II. Coléoptères*. P. Duménil, Paris, 454 pp.

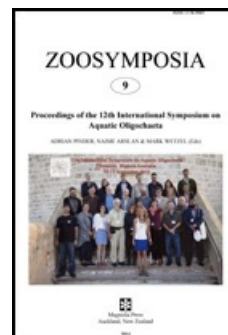
Lawrence, J. F. & Britton, E. B. (1991) Coleoptera. In *The Insects of Australia: A Textbook for Students and Research Workers*. (ed. CSIRO), Melbourne University Press, Melbourne, pp 543–683.

Lea, A. M. (1916) Notes on some miscellaneous Coleoptera with descriptions of new species, Part II. *Transactions of the Royal Society of South Australia*, 40, 272–436.

Lea, A. M. (1917a) Descriptions of new species of Australian Coleoptera, Part XII. *Proceedings of the Linnean Society of New South Wales*, 41, 720–745.

Lea, A. M. (1917b) Results of the South Australian Museum expedition to Strzelecki and Cooper Creeks, September and October, 1916, Insecta. *Transactions of the Royal Society of South Australia*, 41, 489–630.

Lu, W. & Wang, Q. (2005a) Systematics of the New Zealand longicorn beetle genus *Oemona*



- Newman with discussion of the taxonomic position of the Australian species, *O. simplex* White (Coleoptera: Cerambycidae: Cerambycinae). *Zootaxa*, 971, 1–31.
- Lu, W. & Wang, Q. (2005b) Systematics of the longicorn beetle genus *Ophryops* (Coleoptera: Cerambycidae). *Invertebrate Systematics*, 19, 169–188.
- Matthew, E. G. (1997) *A Guide to the Genera of Beetles of South Australia Part 7*. Adelaide, South Australia, 61 pp.
- McKeown, K. C. (1938) Notes on Australian Cerambycidae IV. *Records of the Australian Museum*, 20, 200–216.
- McKeown, K. C. (1940) Notes on Australian Cerambycidae V. *Records of the Australian Museum*, 20, 293–312.
- McKeown, K. C. (1942) Australian Cerambycidae VI: Descriptions of new species mostly from Queensland. *Records of the Australian Museum*, 21, 86–88.
- McKeown, K. C. (1947) Catalogue of the Cerambycidae (Coleoptera) of Australia. *Memoirs of the Australia Museum*, 10, 1–190.
- McKeown, K. C. (1948) Australian Cerambycidae VIII. Notes on collection from the Western Australia Museum with descriptions of new species. *Records of the Australian Museum*, 22, 49–63.
- Monné, M. A. (2005) Catalogue of the Cerambycidae (Coleoptera) of the Neotropical Region. Part I. Subfamily Cerambycinae. *Zootaxa*, 946, 1–765.
- Moore, K. M. (1972) Observations on some Australian forest insects. 27. Some insects attacking *Callitris hugelii* (white cypress pine). *Australian Zoologist*, 17, 40–46.
- Newman, E. (1838) Entomological notes. *Entomological Magazine*, 5, 168–181.
- Olliff, A. S. (1892) Entomological notes. *Agricultural Gazette of New South Wales*, 3, 895–899.
- Pascoe, F. P. (1866) On the Longicornia of Australia, with a list of all the described species. *Journal of the Linnean Society of London, Zoology*, 9, 80–112.
- Pascoe, F. P. (1875) Notes on Coleoptera, with descriptions of new genera and species. Part III. *The Annals and Magazine of Natural History*, 15, 59–73.
- Pierce, W. D. (1917) *A Manual of Dangerous Insects Likely to Be Introduced in the United States through Importation*. U.S. Government Printing Office, Washington, DC, 256pp.
- Rondonuwu, S. A. & Austin, A. D. (1988) A new species of *Uracanthus* (Coleoptera: Cerambycidae): a pest on ornamental cypresses in the Adelaide region. *Transactions of the Royal Society of South Australia*, 112, 109–117.
- Sharp, D., & Muir, F. (1912) The comparative anatomy of male genitalia tube in Coleoptera. *Transactions of the Entomological Society of London*, 1912, 477–642.
- Tepper, J. G. O. (1887) Common Native Insects of South Australia: *A Popular Guide to South Australian Entomology, Part I. Coleoptera, or Beetles*. E. S. Wigg & Son, Adelaide, 46pp.
- Thomson, J. (1860) *Essai d'une Classification de la Famille des Cérambycides, et Matériaux pour Servir a une Monographie de cette Famille*. 8vo. i–xvi, Liège, Paris, 396 pp.
- Thomson, J. (1864) *Systema Cerambycidarum ou exposé de tous les Genres Compris dans la Famille des Cérambycides et Familles Limitrophes*. 8vo. livr. 1–4, Liege, Paris, 578 pp.
- Tillyard, R. J. (1926) *Insects of Australia and New Zealand*. Augus & Robertson, Sydney, 560 pp.
- Wang, Q. (1993) A revision of *Atesta* Pascoe (Coleoptera: Cerambycidae, Cerambycinae: Phoracanthini) from Australia, with descriptions of 18 new species. *Invertebrate Taxonomy*, 7, 961–1024.
- Wang, Q. (1998) The phoracanthine beetles (Coleoptera: Cerambycidae): Taxonomic overview and generic relationships. *Invertebrate Taxonomy*, 12, 667–684.
- Wang, Q. & Lu, W. (2004) A systematic revision of New Zealand longicorn beetle genus *Drototelus* Broun (Coleoptera: Cerambycidae). *Invertebrate Systematics*, 18, 649–659
- White, A. (1855) *Catalogue of Coleopterous Insects in the Collection of the British Museum*, part 8 *Longicornia* 2, British Museum, London, pp. 175–412.

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