

NEW SYNONYMY OF THREE AUSTRALIAN ANTS (FORMICIDAE: FORMICINAE:  
*POLYRHACHIS*)

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Synonymy of three Australian *Polyrhachis* species is proposed (senior names cited first): *P. ammonoeides* Roger = *P. chalchas* Forel; *P. delicata* Crawley = *P. lysistrata* Santschi and *P. hookeri* Lowne = *P. cataulacoidea* Stitz. A lectotype is designated for *P. ammonoeides*.  
□ *Formicidae, Polyrhachis, synonymy.*

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The species synonymies listed below were recognised during two visits to European and British museums to examine *Polyrhachis* types.

Institutional abbreviations (with the names of co-operating curators) are: BMNH - Natural History Museum, London (Dr B. Bolton); MHNG - Muséum d'Histoire Naturelle, Geneva (Dr C. Besuchet); MNHN - Muséum National d'Histoire Naturelle, Paris (Dr J. Casevitz Weulersse); MNHU - Museum für Naturkunde, Humboldt- Universität, Berlin (Dr F. Koch); NHMB - Naturhistorisches Museum, Basel (Dr M. Brancucci); NHMW - Naturhistorisches Museum, Vienna (Dr M. Fischer); QMBA - Queensland Museum, Brisbane (Mr E.C. Dahms, Dr G.B. Monteith).

Distribution records are given as 'short' coordinates using 1° grid cell system of Taylor (1987).

SYSTEMATICS

***Polyrhachis ammonoeides* Roger, 1863**

*Polyrhachis ammonoeides* Roger, 1863:157. Syntype workers. Type locality: 'New Holland'. MNHN (2), NHMW (1).

*Polyrhachis chalchas* Forel, 1907:307. Syntype workers, female. Original localities: Western Australia, Denham (25/113), Geraldton (28/114), Dongarra (29/114). MHNG (5 syntype workers examined).

LECTOTYPE

Three syntypes of *P. ammonoeides* are similar-pinned and bear identical labels. The MNHN specimens have labels in Roger's handwriting; one with '*Polyrhachis ammonoeides* (sic) Roger \*Type', the other with '*P. amonoides* (sic)'. The NHMW specimen has two additional labels (1)

'*Polych. amonoides* (sic) det. G. Mayr', and (2) 'M.P.' (? Museum Paris). The specimen labelled '\*Type' is here selected as lectotype. Other Roger types (e.g. *Polyrhachis latifrons*, *Hemioptica scissa*) suggest that he used asterisks to mark holotype-equivalent specimens. The specimen labels imply that Sydney (=Port Jackson) is the type locality, but the known distribution of *P. ammonoeides* does not support this conclusion.

REMARKS

*P. ammonoeides* is a ground-nesting ant inhabiting open forests and woodlands; it occurs in Western Australia and adjacent islands: Barrow I. (20/115), Dampier (20/116), Yardie Ck. (22/113), Minderoo (22/115), Kalbarri (27/114), Easter Group Is, Abrolhos I. (28/113), Geraldton (28/114), Dongara (29/114).

***Polyrhachis delicata* Crawley, 1915**

*Polyrhachis delicata* Crawley, 1915:238. Syntype workers. Type locality: Northern Territory, Darwin (Hill) (12/130). BMNH, QMBA (2 syntypes examined).

*Polyrhachis (Myrmotherinx) lysistrata* Santschi, 1920:569. Syntype workers. Type locality: Queensland, Townsville (F.P. Dodd) (19/146). NHMB (1 syntype examined).

REMARKS

Syntypes of *delicata*, *lysistrata* and *queenlandica*, together with a substantial number of specimens from Queensland and Northern Territory indicate that *delicata* is not a synonym of *queenlandica* Emery, 1895 as proposed by Crawley (1921) and that *lysistrata* is a synonym of *delicata*. The most obvious difference between *delicata* and *queenlandica* is the direction of