

C.R.P. Andrews' species of *Acacia* (Leguminosae: Mimosoideae): typification of the names

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Abstract

Maslin, B.R. and Cowan, R.S. C.R.P. Andrews' species of *Acacia* (Leguminosae: Mimosoideae): typification of the names. Nuytsia 9 (3): 383-385 (1994). The type status of the names for the five species of *Acacia* from south-west Western Australia published by C.R.P. Andrews in 1904 has been assessed. We have ascertained that the holotypes of these names are held at the National Herbarium of New South Wales (NSW) and that isotypes are held at the Western Australian Herbarium (PERTH) and the Royal Botanic Gardens, Kew (K).

Introduction

C.R.P. Andrews (1904) described five new species of *Acacia* from south-west Western Australia, namely, *A. ancistrophylla*, *A. cometes*, *A. camptoclada*, *A. eremaea* and *A. lasiocalyx*. Type material of these taxa is held in the National Herbarium of New South Wales (NSW), the Western Australian Herbarium (PERTH) and the Royal Botanic Gardens, Kew (K). NSW has two sets of specimens, one originating from Cecil Andrews' private herbarium and the other from (or assumed to be from) W.V. Fitzgerald's private herbarium. The specimens with "Herb. Cecil Andrews" labels (which are annotated in Andrews' hand) accord well with the protologues and are here regarded as holotypes. These sheets are stamped as having been received by NSW on 27 April 1915 but it is not known why Andrews deposited them there. At that time Andrews was Director of Education in Western Australia and there existed in Perth two, albeit small, institutional herbaria (Green 1990). None of the other specimens (isotypes) at NSW nor those at K and PERTH are annotated by Andrews, nor do any have "Herb. Cecil Andrews" labels. Some of the NSW isotypes have printed labels which clearly show them as originating from W.V. Fitzgerald's private collection. The remaining NSW isotypes have labels which are titled "Herbarium of the Department of Agriculture, W.A."; as these are annotated in Fitzgerald's hand it is assumed here that they too originated from W.V. Fitzgerald's private collection. The Kew specimens were all presented to that institution by W.E. Blackall in Jan. 1936. The PERTH specimens were acquired as donations from NSW, from C.A. Gardner's private herbarium or their origin is unknown. A summary of the typification of Andrews' *Acacia* names follows.

Typification of C.R.P. Andrews' *Acacia* names

Acacia ancistrophylla C.R.P. Andrews, J.W. Austral. Nat. Hist. Soc. 1: 40 (1904). Type citation: "I found this species in flower on red clay, near Dundas, in October, 1903." *Holotype*: red clay, near Dundas, W.A., Oct. 1903, Herb. Cecil Andrews (NSW). *Isotypes*: K (presented by W.E. Blackall in Jan. 1936), NSW (ex herb. W.V. Fitzgerald), PERTH 00739995 (ex herb. C.R.P. Andrews, in Herb. C.A. Gardner no. 1312a), PERTH 00740403 (fragment, origin unknown), PERTH 00740411 (ex herb. NSW, in W.E. Blackall Collection).

Note. *Acacia ancistrophylla* is treated in the forthcoming "Flora of Australia" account of *Acacia* as comprising three closely related varieties.

Acacia camptoclada C.R.P. Andrews, J.W. Austral. Nat. Hist. Soc. 1: 39 (May 1904), non E.Pritzel (Dec. 1904). Type citation: "I found this species in flower on red clay, near Dundas, in October, 1903." *Holotype*: red clay, near Dundas, W.A., Oct. 1903, Herb. Cecil Andrews (NSW). *Isotypes*: K (presented by W.E. Blackall in Jan. 1936), NSW (presumably ex herb. W.V. Fitzgerald, on a label with the heading "Herbarium of the Department of Agriculture, W.A." crossed-out), PERTH 00743593 (in Herb. C.A. Gardner No. 1308B).

Acacia cometes C.R.P. Andrews, J.W. Austral. Nat. Hist. Soc. 1: 39 (1904). Type citation: "I found this species in flower on clay soil near Ravensthorpe on the Phillips River in October, 1903." *Holotype*: clay soil, Ravensthorpe, W.A., Oct. 1903, Herb. Cecil Andrews (NSW). *Isotypes*: K (presented by W.E. Blackall in Jan. 1936), NSW (in herb. W.V. Fitzgerald), PERTH 00745235 (ex herb. NSW), PERTH 00745219 (in herb. C.A. Gardner No. 1310a), PERTH 00745227 (? ex herb. W.E. Blackall) and PERTH 00745170 (origin unknown).

Note. *Acacia cometes* is treated as conspecific with *A. lachnophylla* F. Muell. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia eremaea C.R.P. Andrews, J.W. Austral. Nat. Hist. Soc. 1: 40 (1904). Type citation: "I found this species in flower on dry clay soil near Cue in July, 1903." *Holotype*: clay soil, Cue, W.A., July 1903, Herb. Cecil Andrews (NSW). *Isotypes*: K (presented by W.E. Blackall in Jan. 1936). ?*Isotype*: Cue, Aug. 1903, C.R.P. Andrews (NSW, label annotated by W.V. Fitzgerald with the heading "Herbarium of the Department of Agriculture, W.A." crossed out; Fitzgerald probably erroneously recorded the date of collection as "Aug." instead of July), PERTH 00750972 (ex NSW), PERTH 00750557 (in Herb. C.A. Gardner No. 1309a), PERTH 00750964 (origin unknown).

A. lasiocalyx C.R.P. Andrews, J.W. Austral. Nat. Hist. Soc. 1: 41 (1904). Type citation: "I found this very handsome species in flower on sand plains near the Gairdner and Hammersley Rivers in October, 1903." *Holotype*: sandplains, near Gairdner and Hammersley Rivers, W.A., Oct. 1903, Herb. Cecil Andrews (NSW). ? *Isotypes*: Jerramongup, Oct. 1903, C.R.P. Andrews (NSW, label annotated by W.V. Fitzgerald with the heading "Herbarium of the Department of Agriculture, W.A." crossed out; Fitzgerald probably interpreted the type locality as "Jerramongup" [= Jerramungup]), PERTH 00762598 (ex NSW), PERTH 00762571 (in Herb. C.A. Gardner No. 1304B).

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Introduction

William Vincent Fitzgerald was born on the Mangana goldfield in north-eastern Tasmania on 21 July 1867 and at 16 was training for a career in mining at the School of Mines in Ball State. About 1890 he began corresponding with, and sending plant specimens to, P. Mueller in Melbourne. In 1903 he was a member of the Western Australian Commission on Forests and the following year became chairman of the Forests Advisory Board of Western Australia. In 1904 Fitzgerald described 25 species of *Acacia*, mostly from the south-west of Western Australia in the inaugural number of "Journal of the West Australian Natural History Society" (Fitzgerald 1904). In April 1905 he was appointed temporarily to the Department of Lands and Surveys as naturalist to the trigonometrical survey expedition to the Kimberley region led by Charles Crossland (Kennedy 1986). Then in 1906 he was sent, at the direction of the Minister of Lands, to survey the potential for arable lands in several river valleys of the Kimberley region (Hall 1978). As a result of these explorations Fitzgerald produced reports for parliament, published initially in the "Western Australian Year Book 1905-1906." These reports included general comments on the flora, fauna, extent of arable land and prospects for gold mining but did not mention specifically any of the new species he stated he had collected. In 1912 he described six new south-west Western Australian species of *Acacia* in "Journal of Botany". It was not until 1917 that three of the new *Acacia* species collected during the 1905 Kimberley expedition were described by Fitzgerald (in Maiden 1917). In a later paper in this same volume Maiden (1917a) published Fitzgerald's south-west Western Australian species, *A. drewiana*.

Because most of the names published by Fitzgerald have not been typified, we have taken the opportunity presented by our work with the "Flora of Australia" to recognise holotypes or to select lectotypes wherever possible. This process is based on a study of Fitzgerald specimens at many herbaria, especially the principal sets at BM, NSW and PERTH.



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