

Muelleria

Royal Botanic Gardens Melbourne
Birdwood Avenue, South Yarra
Victoria, Australia

www.rbg.vic.gov.au

ISSN 0077-1813

Muelleria

Muelleria

Plant and Fungal Taxonomy & Systematics

Vol 30(1) 2012



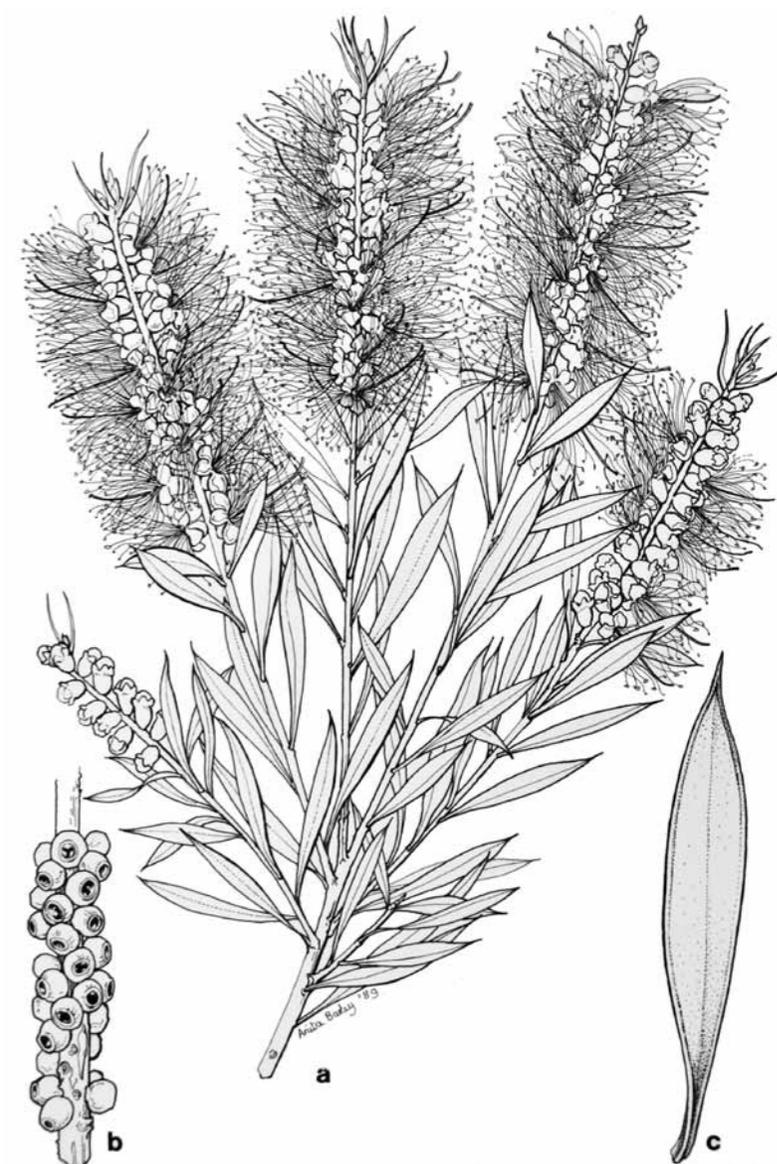
Royal Botanic Gardens Melbourne

Contents

Volume 30(1) 2012

Contributed papers	Page
Typification of infrageneric taxa in <i>Dendrobium</i> (Orchidaceae).....	3
– A. Schuiteman	
Two new rare species in the <i>Thelymitra venosa</i> complex (Orchidaceae) from south-eastern mainland Australia.....	8
– J.A. Jeanes	
New combinations in <i>Callistemon</i> (Myrtaceae).....	23
– F. Udovicic and R.D. Spencer	
Revision of the <i>Spyridium bifidum</i> – <i>S. halmaturinum</i> complex (Rhamnaceae: Pomaderreae) from South Australia and Victoria.....	26
– J. Kellermann and W.R. Barker	
Herbarium collections – an invaluable resource for gall midge taxonomists.....	59
– A.A. Veenstra	
Analysis of genetic variation in a disjunct, narcotic producing, population of <i>Duboisia hopwoodi</i>	65
– P. French, E. James and N. Walsh	
Illustration, distribution and cultivation of <i>Lachnagrostis robusta</i> , <i>L. billardierei</i> and <i>L. punicea</i> (Poaceae).....	72
– Austin J. Brown	

Volume 30(1) 2012



Callistemon pungens
Lumley & R.D. Spencer
[*Muelleria* 7(2):254 (1990)]
Source: State Botanical Collection
Artist: A. Barley

Callistemon pungens is a distinctive pungent-leaved bottlebrush from the New South Wales Northern Tablelands and the Darling Downs region of Southern Queensland. Before being formally described botanically it was cultivated for its attractive lilac stamens and known by the names *Callistemon* 'Gilesii' and *Callistemon* 'Lana'.



Muelleria publishes research papers on Southern Hemisphere plant, algal and fungal taxonomy and systematics, particularly relating to Australia. Acceptable submissions include: taxonomic revisions; phylogenetic and biogeographical studies; short papers describing new taxa, documenting nationally significant new records, or resolving nomenclatural matters; historical analyses relevant to systematics; and any research contributing to our knowledge of plant, algal or fungal diversity. Special issues or reviews will also be considered after discussion with the Editor.

Editor in Chief	Teresa Lebel		
Associate Editors	Tom May Anna Syme	Frank Udovicic Neville Walsh	
Copy Editors	Wayne Gebert	Alison Vaughan	
Editorial enquiries	The Editor, <i>Muelleria</i>		
Manuscripts & proofs	Royal Botanic Gardens Melbourne Private Bag 2000 Birdwood Avenue South Yarra VIC 3141 Australia muelleria@rbg.vic.gov.au		
Publication times	January and July		
Instructions	Please consult the Instructions to Contributors at the website below. A concise version is printed inside the back cover of each issue. www.rbg.vic.gov.au/science/information-and-resources/science-publications/muelliera		
Subscriptions	The Editor, <i>Muelleria</i>		
Exchange	For all enquiries about exchange or missing issues please contact the Library Manager at the above address or at: library@rbg.vic.gov.au		
Subscription rates (annually – 2 issues)		Within Australia	Overseas
Includes airmail & GST	Individuals	\$80	\$90
	Organisations	\$100	\$120

Cheques to be made payable to the Royal Botanic Gardens Melbourne. All payments must be in \$AUD.

Layout: SUBStitution Pty Ltd

Printer: BigPrint

Recycled Paper

© Royal Botanic Gardens Melbourne 2011

ISSN 0077-1813

MUELLERIA INSTRUCTIONS FOR CONTRIBUTORS

Submission. Editor, *Muelleria*
Royal Botanic Gardens Melbourne
Birdwood Avenue South Yarra VIC 3141
e-mail: muelleria@rbg.vic.gov.au

Deadlines: August 15 for January issue;
March 5 for July issue
(papers may be submitted at any time)

Either submit a hardcopy set of all material, including illustrations and tables, with electronic files on a CD OR submit a set of all material by email. Each figure (tiff, jpg or EPS format) and table (Word format) should be supplied as a separate file. All papers are peer reviewed and should not be under consideration elsewhere. No page charges apply, however colour plates will only be considered after discussion with the Editor and you may be asked to provide funds towards the cost of producing them.

Comprehensive information for contributors is available at:
www.rbg.vic.gov.au/science/information-and-resources/science-publications/muelliera

Preparation and organisation. Double-sided, 1.5 line-spacing throughout, left justified, with left and right margins of 2 cm. All body text Times New Roman, 10pt. All text should be in the style in which it will be published, i.e. **bold** or *italics*, however do NOT use styles.

Title. Should be concise and informative, with only proper names capitalised. **Centred, bold, 12pt.** Follow on the title with full names of author(s), authors' address, including post code, country and email address. Addresses and affiliations to appear below authors, keyed by superscripted numbers.

Abstract. Precede main text by an abstract not exceeding 150 words, covering the scope of the work and findings. Names of species and genera in the abstract should not be accompanied by the nomenclatural authorities. Nomenclatural authorities should be given in the text, at the first mention of a species.

Keywords. List at least 3 keywords.

Main text. The first paragraph of any section is flush left. Subsequent paragraphs are to be indented and not separated by a blank line. Three main headings should be used, all flush left:

Heading level 1

HEADING LEVEL 2

heading level 3: followed by text on the same line.

References should be cited in text as, Walsh (1992); Brown and Murphy (2004); for three or more authors use *et al.* Within parentheses, in year order (Kuntze 1891; Lawrence *et al.* 1968; Allan 1979, 2000; Jarman 1990; Lewis & Entwisle 1995a, 1995b). All measurements are to be in SI units; footnotes are not allowed. Insert an en-rule (–), not a hyphen, between measurements and page numbers, and a multiplication sign (x) for measurements if appropriate. All scientific names at generic rank and below when first introduced must be accompanied by the nomenclatural authorities.

Nomenclatural citations must follow the rules and recommendations of the most recent *International Code of Botanical Nomenclature*. Book titles must be abbreviated following *Taxonomic Literature II* (Stafleu & Cowan 1976–1986; Stafleu & Mennega 1992–), and journal citations in the synonymy must follow *Botanico-Periodicum-Huntianum* (Lawrence *et al.* 1968). Author's names must follow *Authors of Plant Names* (Brummitt & Powell 1992). Designations of herbaria should follow *Index Herbariorum* (Holmgren *et al.* 1990). Homotypic synonyms are to be included in one paragraph, listed in chronological order. Heterotypic synonyms should follow chronologically in separate paragraphs. Misapplied names to follow the heterotypic synonyms.

Figures and Tables and Appendices. Do not embed images in text. Illustrations should be in TIFF or JPG format for photos (at 600 dpi, final size) or submit original artwork. Line art, including graphs or maps, may be supplied as EPS or JPG format (at 900 dpi). Illustrations require a scale bar or an indication of the magnification in the caption. Figures and Tables may be one (7 cm) or two (14 cm) column's width, or full page length (18 cm), or in landscape format (18 x 14 cm). Figure, table and appendix captions should be listed after the references.

References. Only publications cited in the text should appear in the Reference list. List chronologically.

Journal names in full. Floras in a series to be cited in book format.

Allan, H.H. (1961). *Flora of New Zealand*. R.E. Owen, Government Printer: Wellington.

Ahti, T. and Kashiwadani, H. (1984). 'The lichen genera *Cladia*, *Cladina* and *Cladonia* in southern Chile'. In H. Inoue (ed.), *Studies on the cryptogams of southern Chile*, pp. 125–149. Kenseisha Ltd: Tokyo.

Brummitt, R.K. and Powell, C.E. (1992). *Authors of plant names*. Royal Botanic Gardens: Kew.

Jarman, S.J. (1975). *Experimental taxonomy on the family Epacridaceae*. PhD thesis, The University of Tasmania, Hobart: Tasmania.

Pickett, J.W., Smith, N., Bishop, P.M., Hill, R.S., Macphail, M.K. and Holmes, W.B.K. (1990). A stratigraphic evaluation of Ettingshausen's New England Tertiary plant localities. *Australian Journal of Earth Sciences* **37**, 293–303.

Swofford, D.L. (2000). *PAUP. Phylogenetic analysis using parsimony (version 3.1.1.)* Illinois Natural History Survey: Champaign, USA.

Walsh, N.G. (1994). 'Poaceae'. In N.G. Walsh and T.J. Entwisle (eds), *Flora of Victoria*, **Vol. 2**, pp. 356–627. Inkata Press: Melbourne.