



Flora of Australia

Tetrardisia Mez

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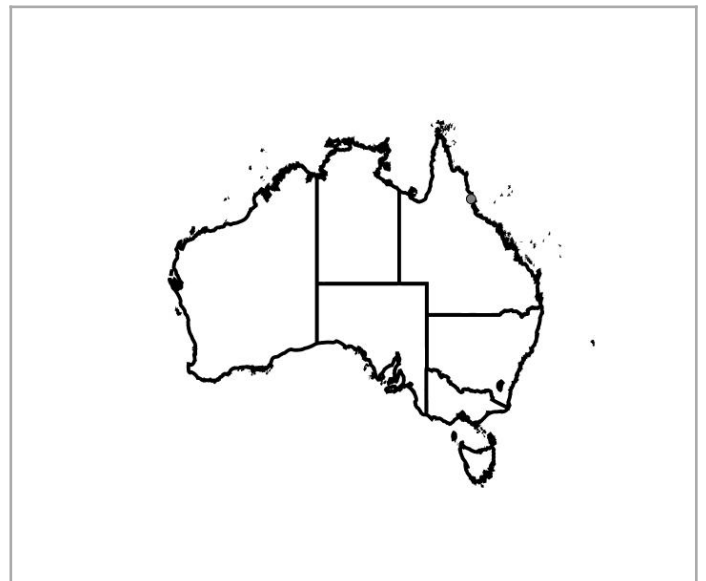
***Tetrardisia* Mez**

- Mez, C.C. in Engler, H.G.A. (6 May 1902), Myrsinaceae. *Das Pflanzenreich* 9 : 13, 189

Betsy R. Jackes

Shrubs or small trees to 3 m high, often slender. Leaves sessile or subsessile to petiolate; lamina usually elliptic to lanceolate, margin crenate, serrulate or \pm entire, abaxial surface glabrous or pubescent, glands dark-coloured, chiefly globular. Inflorescences axillary or terminal racemes or panicles (non-Australian) with 4–20 flowers per inflorescence. Flowers bisexual, 4-merous, pedicels thin, papillate, reddish glands usually associated with all parts; calyx free or fused at base, margins often papillate; corolla white to pink, rotate, shortly fused at base, lobes imbricate in bud overlapping to the right; stamens free or inserted near the base, filaments very short, anthers sagittate, introrse, opening by longitudinal slits; ovary superior, globular to subglobular; style filiform, more than twice length of ovary; stigma punctiform; ovules few embedded in placenta, 1-seriate. Fruit a drupe, globular. Seed 1.

Distribution: Genus of 4 or 6 species occurring in SE Asia and Australia; 1 species in Australia.



Etymology: From the Greek *tetra* (four) and *Ardisia* the genus, referring to the 4-merous flowers.

Diagnostic Features: Distinguished from *Ardisia* in having sessile or subsessile leaves (leaves distinctly petiolate in *Ardisia*) and 4-merous flowers (flowers usually 5-merous in *Ardisia*).

Nomenclature and Typification: ***Tetrardisia* Mez**, *Pflanzenr.* 9(IV.236): 189 (1902). Type: *T. denticulata* (Blume) Mez; Java. Basionym: *Ardisia denticulata* Blume, *Bijdr.* 691 (1826).

Taxonomic Notes: Formerly in Myrsinaceae. *Tetrardisia* is sometimes treated as a subgenus within *Ardisia*, following Larsen & Hu (1995), i.e. *Ardisia* Sw. subgenus *Tetrardisia* (Mez) K.Larsen & C.M.Hu. Julius *et al.* (2020) argue that initial molecular findings have shown that species of *Tetrardisia* are nested within *Ardisia*.

Bibliography: Jackes, B.R. (2009). Taxonomic revision of Australian Myrsinaceae: *Ardisia* Sw. and *Tetrardisia* Mez, *Austrobaileya* 8(1): 1–23.
Julius, A., Kajita, T. & Utteridge, T.M.A. (2020). Two new species of *Ardisia* subgenus *Tetrardisia* (Primulaceae-Myrsinoideae) from Borneo. *PhytoKeys* 145: 139–148. <https://doi.org/10.3897/phytokeys.145.48573>
Larsen, K. & Hu, C.M. (1995). Reduction of *Tetrardisia* to *Ardisia*. *Nordic Journal of Botany* 15(2): 161–162.
Mez, C. (1902). Myrsinaceae, in Engler A. (ed.), *Das Pflanzenreich*, Heft 9, IV. Fam. 236: 1–473. (Verlag von Wilhelm Engelmann: Leipzig).
Ståhl, B. & Anderberg, A.A. (2004). Myrsinaceae, in Kubitzki K. (ed.), *The Families and Genera of Flowering Plants* 6: 266–281. (Springer: Berlin).
Stone, B.C. (1992). A revision of the genus *Tetrardisia* Mez (Myrsinaceae). *Malayan Nature Journal* 46: 1–11.

Source: Published 16 March 2021.

Nomenclature

Jackes, B.R. (23 November 2009), Taxonomic revision of Australian Myrsinaceae: *Ardisia* Sw. and *Tetrardisia* Mez. *Austrobaileya* 8(1) : 18-19
nomenclatural synonym: *Ardisia* subg. *Tetrardisia* (Mez) K.Larsen & C.M.Hu: 18

Images



Fig. 1: '*Tetrardisia bifaria*' by Unknown (© Australian National Botanic Gardens)

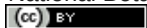


Fig. 2: '*Tetrardisia bifaria*' by Unknown (© Australian National Botanic Gardens)





Fig. 3: '*Tetrardisia bifaria*' by Unknown (© Centre for National Biodiversity Research)



Fig. 4: '*Tetrardisia bifaria*' by Unknown (© Centre for National Biodiversity Research)

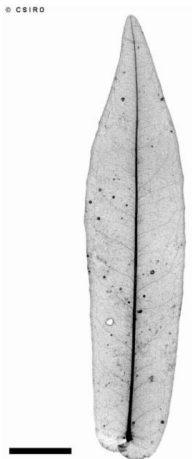


Fig. 5: '*Tetrardisia bifaria*' by Unknown (© Centre for National Biodiversity Research)

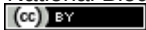


Fig. 6: '*Tetrardisia bifaria*' by Unknown (© Australian National Botanic Gardens)



Fig. 7: '*Tetrardisia bifaria*' by Jago, B. (© Jago, B.)



Fig. 8: '*Tetrardisia bifaria*' by Jago, B. (© Australian National Botanic Gardens)



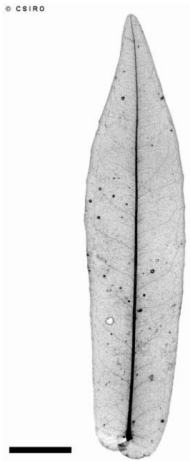


Fig. 9: '*Tetrardisia bifaria*' by Unknown (© Australian National Botanic Gardens)



Fig. 10: '*Tetrardisia bifaria*' by Unknown (© Centre for National Biodiversity Research)



Acknowledgements

Editor

P.G. Kodela

Tetrardisia bifaria (C.T.White & W.D.Francis) C.T.White

- White, C.T. (1933), Nomenclature of some Australian and Philippine Islands plants. *Bulletin of Miscellaneous Information, Royal Gardens, Kew* 1933(1) : 45

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Shrub to 2 m high, much-branched, subverticillate, branchlets weakly zig-zag, very small leaves common near base of branchlets. Leaves distichous, sessile to subsessile; petiole 0.1–1 mm long; lamina oblong-lanceolate to obovate, (0.6–) 3.0–10.5 cm long, (0.3–) 1–1.9 cm wide, cordate clasping the stem at base, entire or occasionally some minute teeth present on margin, acuminate to obtuse apex, chartaceous to coriaceous, glands irregularly globular red. Inflorescence an axillary raceme c. 1.5 cm long, with 4–8 flowers. Flowers 4-merous, 5–5.5 mm long, glands red, pedicels 4–8 mm long; calyx to 2.25 mm long; corolla rotate, green to white, tube c. 0.2 mm long, lobes c. 3 mm long; anthers 1.75–2 mm long; ovary 0.75–1 mm diam.; style twisted 2–3 mm long; ovules 2–4. Fruit 5–6 mm long, c. 6 mm wide, bright red at maturity, endocarp ribbed. Seed globular, c. 5 mm diam.

Distribution: Endemic to northern Queensland in an area between Cairns and Innisfail. Although most collections have been made in rainforest associated with Mount Bartle Frere and Mount Bellenden Ker, several specimens have been collected near Babinda and in the upper Goldsborough Valley.



Common Name: Miniature Spearflower.

Phenology: Flowers August–April; fruits April–November.

Biostatus: Native.

Habitat: Rainforest.

Representative Herbarium Specimens: Qld: Bartle Frere walking track, *R. Booth* 2789 & *R. Jensen* (A, BRI, MEL); National Park 226, Bartle Frere zig-zag track from Russell River to Towalla, *P.D. Bostock* 1467 & *G. Turpin* (BRI); Westcott Rd, Topaz, *W. Cooper* 960 & *W. Cooper* (CNS); State Forest Reserve 310, upper Goldsborough Logging Area, 17 km SE of Mulgrave township, *L.W. Jessup* GJM1831, *G.P. Guymer* & *W.J. McDonald* (BRI).

Nomenclature and Typification: ***Tetrardisia bifaria* (C.T.White & W.D.Francis) C.T.White**, *Bull. Misc. Information Kew* 45 (1933); *Ardisia bifaria* C.T.White & W.D.Francis, *Proc. Roy. Soc. Queensland* 35: 73 (1923). Type: Bellenden Ker, Qld, Mar. 1922, *C.T. White* 1308; holo: BRI [AQ23413]; iso: K. *Tetrardisia disticha* Domin, *Biblioth., Bot.* 89: 504 (1928). Type: Queensland. Cook District: Bellenden Ker, Dec. 1909, *K. Domin* s.n. (PR n.v.).

Illustrations: C.T. White & W.D. Francis, *Proceedings of the Royal Society of Queensland* 35: 73, fig. 5 (1924), as *Ardisia bifaria*; W. Cooper & W.T. Cooper, *Fruits of the Australian Tropical Rainforest* 334 (2004), as *Ardisia bifaria*; B.R. Jackes, *Austrobaileya* 8(1): 20, fig. 8 (2009). F.A. Zich *et al.*, *Tetrardisia bifaria*, in *Australian Tropical Rainforest Plants* Edn 8 (2020): https://apps.lucidcentral.org/rainforest/text/entities/tetrardisia_bifaria.htm [accessed 16 March 2021]

- Bibliography:* Cooper, W. & Cooper, W.T. (2004). *Fruits of the Australian Tropical Rainforest*. (Nokomis Editions: Melbourne), as *Ardisia bifaria*.
- Jackes, B.R. (2009). Taxonomic revision of Australian Myrsinaceae: *Ardisia* Sw. and *Tetrardisia* Mez, *Austrobaileya* 8(1): 1–23.
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- Zich, F.A., Hyland, B.P.M., Whiffin, T. & Kerrigan, R.A. (2020). *Australian Tropical Rainforest Plants*. Edition 8. <https://apps.lucidcentral.org/rainforest/> [accessed 16 March 2021]

Source: Published 16 March 2021.

Nomenclature

Jackes, B.R. (23 November 2009), Taxonomic revision of Australian Myrsinaceae: *Ardisia* Sw. and *Tetrardisia* Mez. *Austrobaileya* 8(1) : 19-21, Fig. 8, Map 7
nomenclatural synonym: *Ardisia bifaria* C.T.White & W.D.Francis: 19
taxonomic synonym: *Tetrardisia disticha* Domin: 19
common name: miniature spearflower: ~ 19-21, Fig. 8, Map 7

Images



Fig. 1: '*Tetrardisia bifaria*' by Unknown (© Australian National Botanic Gardens)

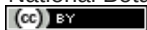


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