

# Cyatheaceae

## CYATHEA Sm.

*Cyathea* subg. *Cyathea*  
*Cyathea* subg. *Sphaeropteris* (Bernh.) Holttum  
*Sphaeropteris* Bernh.  
*Alsophila* R.Br.  
*Amphicosmia* Gardner  
*Hemitelia* R.Br.

## *Cyathea australis* (R.Br.) Domin

*Alsophila australis* R.Br.  
*Alsophila australis* var. *glauca* F.M.Bailey  
*Cyathea australis* var. *glauca* (F.M.Bailey) Domin  
*Alsophila loddigesii* Kunze  
*Cyathea loddigesii* (Kunze) Domin

A reputed hybrid between *C. australis* and *C. cunninghamii* is the basis for *C. X marcescens* N.A.Wakef. (Bostock, 1998). Subspecies rank not currently used in this species in Qld, NSW, Qld, NSW, ACT, Vic, Tas

## *Cyathea australis* (R.Br.) Domin subsp. **australis**

*Alsophila australis* R.Br. var. *australis*  
*Cyathea australis* (R.Br.) Domin var. *australis*  
Qld, NSW, ACT, Vic, Tas

## *Cyathea australis* subsp. **norfolkensis** Holttum

*Cyathea medullaris* auct. non (G.Forst.) Sw.: S.F.L.Endlicher, Prodr. Fl. Norfolk. 15 (1833)  
*Alsophila australis* auct. non R.Br.: G.Bentham, Fl. Austral. 7: 710 (1878), p.p.  
NI

## *Cyathea baileyana* (Domin) Domin

*Alsophila baileyana* Domin  
*Alsophila rebecca* var. *commutata* F.M.Bailey  
*Alsophila capensis* auct. non J.Sm.: F.M.Bailey, Rep. Govt Sci. Exped. Bellenden-Ker Range 74 (1889)  
Qld

## *Cyathea brevipinna* Baker ex Benth.

*Alsophila brevipinna* (Baker ex Benth.) R.M.Tryon  
*Cyathea medullaris* auct. non (G.Forst.) Sw.: F.Mueller, Fragm. 9: 78 (1875)  
LHI

## *Cyathea brownii* Domin

*Cyathea brownii* Domin var. *brownii*  
*Alsophila excelsa* R.Br. ex Endl.  
*Alsophila excelsa* R.Br. ex Endl. var. *excelsa*  
*Sphaeropteris excelsa* (R.Br. ex Endl.) R.M.Tryon  
*Alsophila robusta* var. *norfolkiana* R.M.Laing  
NI

## *Cyathea celebica* Blume

*Sphaeropteris celebica* (Blume) R.M.Tryon  
*Cyathea arachnoidea* Hook.  
Qld

## *Cyathea cooperi* (Hook. ex F.Muell.) Domin

*Alsophila cooperi* Hook. ex F.Muell.  
*?Alsophila cooperi* Hook. & Baker, *nom. illeg.*  
*Alsophila excelsa* var. *cooperi* (Hook. ex F.Muell.) Domin  
*Cyathea brownii* var. *cooperi* (Hook. ex F.Muell.) Domin

*Sphaeropteris cooperi* (Hook. ex F.Muell.) R.M.Tryon  
*Alsophila hilliana* F.Muell.  
*Alsophila australis* var. *cervicalis* F.M.Bailey  
*Cyathea australis* var. *cervicalis* (F.M.Bailey) Domin  
*Alsophila australis* var. *pallida* F.M.Bailey  
*Cyathea australis* var. *pallida* (F.M.Bailey) Domin  
*Alsophila australis* var. *excelsa* F.M.Bailey  
*Alsophila excelsa* auct. non R.Br. ex Endl.: T.Moore, Index Fil. 4: 50 (1857); W.J.Hooker & J.G.Baker, Syn. Fil. 40 (1866); F.Mueller, Census Austral. Pl. 1: 137 (1882); F.M.Bailey, Queensland Fl. 6: 1949 (1902)

Chapman, APNI 166 (1991) listed an "*Alsophila cooperi* Hook. & Baker, nom. illeg." because of the prior publication of *A. cooperi* Hook. ex Muell. However as Hooker was involved in both publications, the second name should probably be considered no more than later use of the first, not a later homonym. Previous records from Vic have not been substantiated.

WA (naturalised), SA (naturalised), Qld, NSW (both native & naturalised)

***Cyathea cunninghamii* Hook.f.**

*Cyathea cunninghami* Hook.f., *orth. var.*  
*Alsophila cunninghamii* (Hook.f.) R.M.Tryon  
*Cyathea boylei* F.Muell. ex French

A reputed hybrid between *C. australis* and *C. cunninghamii* is the basis for *C. X marcescens* N.A.Wakef. (Bostock, 1998).

Qld, NSW, Vic, Tas

***Cyathea exilis* Holttum**

Qld

***Cyathea felina* (Roxb.) C.V.Morton**

*Polypodium felinum* Roxb.  
*Sphaeropteris felina* (Roxb.) Pic.Serm.  
*Alsophila concinna* Baker  
*Sphaeropteris concinna* (Baker) R.M.Tryon  
*Alsophila sangirensis* H.Christ  
*Cyathea sangirensis* (H.Christ) Copel.  
Qld

***Cyathea howeana* Domin**

*Hemitelia moorei* Baker  
*Cyathea moorei* (Baker) F.Muell., *nom. illeg.*  
LHI

***Cyathea leichhardtiana* (F.Muell.) Copel.**

*Cyathea leichhardtiana* Copel., *orth. var.*  
*Cyathea leichhardtiana* (F.Muell.) Copel. var. *leichhardtiana*  
*Alsophila leichhardtiana* F.Muell.  
*Alsophila leichhardtii* F.Muell. ex F.M.Bailey, *orth. var.*  
*Alsophila leichhardtiana* F.Muell. var. *leichhardtiana*  
*Hemitelia australis* C.Presl  
*Amphicosmia australis* (C.Presl) T.Moore  
*Sphaeropteris australis* (C.Presl) R.M.Tryon  
*Cyathea australiensis* Domin  
*Alsophila moorei* J.Sm.  
*Alsophila macarthurii* Hook.  
Qld, NSW, Vic

***Cyathea macarthurii* (F.Muell.) Baker**

*Hemitelia macarthurii* F.Muell.  
*Hemitelia macarthuri* F.Muell., *orth. var.*  
*Alsophila ferdinandii* R.M.Tryon  
*Cyathea moorei* Baker

*Cyathea dealbata* auct. non (G.Forst.) Sw.: W.J.Hooker & J.G. Baker, Syn. Fil. 26 (1865), p.p.; H.H.Allan, Fl. New Zealand 1: 40 (1961), p.p.

LHI

***Cyathea* × *marcescens*** N.A.Wakef.

*Alsophila marcescens* (N.A.Wakef.) R.M.Tryon

*Cyathea affinis* auct. non Sw.: W.J.Hooker & J.G.Baker, Syn. Fil. 27 (1865)

A reputed hybrid between *C. australis* and *C. cunninghamii* (Bostock, 1998).

Vic, Tas

***Cyathea rebecca*** (F.Muell.) Domin

*Alsophila rebecca* F.Muell.

*Alsophila rebecca* F.Muell. var. *rebecca*

*Alsophila rebecca* var. *normalis* Domin, *nom. inval.*

*Alsophila rebecca* var. *lobulata* Domin

Qld

***Cyathea robusta*** Holttum

*Alsophila robusta* C.Moore ex Maiden, Proc. Linn. Soc. New South Wales 23: 144 (1898), *nom. illeg.*

*Sphaeropteris robusta* (Holttum) R.M.Tryon, Contr. Gray Herb. 200: 24 (1970)

*Alsophila australis* var. *nigrescens* Benth.

LHI

***Cyathea robertsiana*** (F.Muell.) Domin

*Alsophila robertsiana* F.Muell.

Qld

***Cyathea woollsiana*** (F.Muell.) Domin

*Cyathea woollsiana* Domin, *orth. var.*

*Alsophila woollsiana* F.Muell.

*Alsophila woollsiana* C.Christensen, Index Filicum, 49 (1906), *orth. var.*

*Alsophila leichhardtiana* var. *woollsiana* (F.Muell.) Domin

*Alsophila leichhardtiana* var. *woollsiana* (F.Muell.) Domin, *orth. var.*

*Cyathea leichhardtiana* var. *woollsiana* (F.Muell.) Domin

*Cyathea leichhardtiana* var. *woollsiana* Domin, *orth. var.*

Qld

**CYATHEACEAE excluded species**

*Alsophila australis* var. *williamsii* T.Moore

Described from cultivated material in Europe. ?Australian.

*Cyathea extensa* (G.Forst.) Sw.

Excluded from the Australian flora by Tindale (1956).

*Cyathea lindsayana* Hook.

Tindale (1956) pointed out that this allegedly Qld taxon was probably based on a mislabelled Jamaican specimen, and is *C. grevilleana* Mart.