A.N.P.S.A. Fern Study Group
Newsletter Number 147

ISSN 1837-008X DATE: February, 2021

LEADER: Steve Lamont: mobile: 0409 955 224; email: stevenl@diamondconway.com.au
TREASURER & MEMBERSHIP: Dan Johnston, 9 Ryhope St, BUDERIM, Qld 4556. Tel. 07 5445 6069, mobile: 0429 065 894; email: ANPSAferns@bigpond.com
NEWSLETTER EDITOR: Dan Johnston, contact as above.

From the Editor

The main component of this newsletter is a comprehensive treatment of the ferns of Illawarra and Robertson from Peter Hind. We also have a substantial contribution from Peter Bostock as a list of recent name changes for ferns accepted by the Queensland Herbarium. I'm sure this will represent a major challenge to many of us as we find that many familiar names have changed. Peter has also supplied a list of formally recognised *Drynaria rigidula* cultivars to supplement the material from Tony Clarke on Rod Pattison's cultivars, which I haven't found room (or time) to continue in this newsletter, but will hopefully be able to continue in the next newsletter.

Program for South-east Queensland Region

Helen Jeremy

Sunday 7th March, 2021. Eumundi Conservation Park. Meet at 9:30am at the North Arm Gate to Eumundi Conservation Park on North Arm Yandina Creek Road, North Arm. The proposed walk is through a mixture of dry and moist forest which I (Dan) on an exploratory trip thought had a rather nice mix of vegetation with 13 fern species being observed with the more unusual being *Cheilanthes tenuifolia* and *Lindsaea incisa*. There was quite a lot of *Blechnum neohollandicum* and *Blechnum doodianum* (formerly *Doodia aspera* and *Doodia heterophylla)* and Peter wondered from my photos if there were some hybrids of the two. A web search for Eumundi Conservation Park will bring up a map of the park. We will be entering at the North Arm Gate which is near the southern boundary of the park. We will go a couple of hundred metres along Ironbark trail, which is an old vehicular track. It descends at a moderate rate to the creek, and after crossing the creek rises for about 50m before we take a pad to the right which roughly follows the creek for about 1km and is pretty flat, coming out at the NE corner of the southern part of the park, where Fig Tree Lane runs off Allandale Road. We suggest that members come back to the home of Wendy and Dan Johnston at 9 Ryhope St, Buderim for lunch and to have a quick look at our ferns.

Getting there. On the Sunshine Coast Section of the UBD Brisbane Street Directory, the meeting point is on map 36 at reference N9-P9 and is about 90 minutes drive from Brisbane City. Recommended route: Take the Yandina exit (215) from the Bruce Highway and go left towards Yandina. Entering Yandina, go straight through a roundabout into Coulson Road. Soon after at a T junction, turn right into School Road. At the end of School Road, turn right into Ninderry Road. After another 1.2km turn left into Fairhill Road. After about 4km, you pass the North Arm school on the left and Fairhill Road becomes North Arm Yandina Creek Road. About 2.5km beyond the school, the road curves to the right and on the left there is the park entrance with a noticeboard with a roof and a gravel area for parking. We will do a short car shuffle along Allandale Road to put a car near the turnoff to Fig Tree Lane. There are no facilities at the park.

Saturday 10th April 2020. Roma Street Parklands, Brisbane (Note: This is a Saturday meeting) Meet at 9.30 am at the gazebo outside the Fern Gully entrance in the College Close Carpark (off Parkland Crescent, metered parking $1.40 p.h.)

We'll explore the Fern Gully, the fern understories in the Subtropical Palm Forest and Rainforest gardens, as well as the collection of *Angiopteris evecta*. There are also other plantings of ferns to admire elsewhere in the gardens. There are several places where we can enjoy our picnic lunches,

perhaps in a shady spot on the lawns. For those wanting to explore further, there are 16 hectares of gardens featuring sub-tropical vegetation and species from around the world, including the stunning Spectacle Garden which is a changing display of seasonal colour.

Sunday 2nd May 2021. Upper Mudgeeraba Conservation Area.
Meet at the entrance to the area at the end of Orange Court, Mudgeeraba at 9:30 am.

The Upper Mudgeeraba CA covers 247 hectares and has a variety of vegetation types with rich biodiversity (420^{+} native species), including many rare and threatened plants.

There is a steep descent for the first 30 metres and it is advisable to use hiking poles if you have them. There are steps but they have 30^{+} cm risers. Once down the steps, there is an old logging track we can use as we descend to Wallaby Creek. Most of the ferns are on both sides of the creek so be prepared for very shallow creek crossings with small stepping stones. We will return the same way but a very short diversion will be taken to check out the blackbutt forest ferns.

There are a couple of local choices for where we can eat our BYO lunch and we will decide closer to the time.

Note: There are no toilet facilities at the Conservation Area and the closest ones are at Hinterland Regional Park, Hardys Road, Mudgeeraba. Mobile coverage is very limited

Sunday 6th June 2021. Maiala, D'Aguilar National Park. Meet at 9.30 am at Maiala day use area on Mount Glorious Road, just west of Mt Glorious township. We'll head anti-clockwise on the 2 km Rainforest Circuit hoping to rediscover some patches of *Crepidomanes vitiense* in the sub-tropical rainforest, before we take a side trip looking for drier forest ferns along the Cypress Grove Circuit. Maiala has a large grassy picnic area, perfect for a relaxing lunch.

Due to COVID19 requirements, please RSVP for all SEQ excursions to Helen Jeremy at heljeremy@gmail.com

Formally defined Drynaria rigidula cultivars

Peter Bostock

The original four named cultivars of *Drynaria rigidula* are:

***Drynaria rigidula* 'Vidgenii'** (S.B.Andrews, *Ferns of Queensland* 277, 1990).

Polypodium rigidulum var. *vidgenii* F.M.Bailey, *Fern World Austral.* 68 (1881); *Drynaria rigidula* var. *vidgenii* (F.M.Bailey) Ballard, *Bull. Misc. Inform.* 1937: 349 (1938). **Type**: Brisbane River, Oxley, Qld, 1875, I.G.Vidgen; holotype: BRI. Other cited locations: Mt French near Boonah, Logan River, Cairns-Herberton area.

***Drynaria rigidula* 'Cristata'** (S.B.Andrews, *Ferns of Queensland* 277, 1990).

Polypodium rigidulum var. *cristatum* F.M.Bailey, *Syn. Queensland Fl. Suppl*. 1: 65 (1886); *Drynaria rigidula* forma *cristata* (F.M.Bailey) Domin, *Biblioth. Bot.* 20(85): 191 (1913). **Type**: Boolboonda, Qld, H.B.Fraser; holotype: not located.

***Drynaria rigidula* 'Diversipinnae'** (S.B.Andrews, *Ferns of Queensland* 277, 1990).

Polypodium rigidulum var. *diversipinnae* F.M.Bailey, *Queensland Agric. J*. 28: 74, t. 16 (1912). **Type**: Glass House Mtns, Qld, May 1910, C.T.White; holotype: BRI.

***Drynaria rigidula* 'Whitei'** (S.B.Andrews, *Ferns of Queensland* 277, 1990).

Polypodium rigidulum var. *whitei* F.M.Bailey, *Queensland Agric. J.* 27: 306, t. 22 (1913); *Drynaria rigidula* var. *whitei* (F.M.Bailey) Ballard, *Kew Bull*. 349 (1937). **Type**: Glass House Mtns, Qld, May 1910, C.T.White; holotype: BRI; isotype: NSW. Other cited locations: Keppel Islands.

Fern name changes accepted in Queensland (Census of the Qld Flora 2019 & 2020)

Peter Bostock

The following name changes are for Australian ferns that occur in Queensland, and is derived from the Appendix to *Introduction to the Census of the Queensland Flora 2020*, available online at https://www.data.qld.gov.au/dataset/census-of-the-queensland-flora-2020. The changes follow, for the most part, recommendations in the paper by A.R. Field in *Australian Systematic Botany*, published in early 2020 (see reference below). I have also included below a list of those name changes accepted by Queensland Herbarium at the end of 2019 (*Introduction to the Census of the Queensland Flora 2019*, https://www.data.qld.gov.au/dataset/census-of-the-queensland-flora-2019). Full datasets are also available at these web sites (as csv files, compatible with Microsoft Excel etc).

Name changes listed here may not be accepted by all Australian Herbaria – I can only recommend that southern Australian readers refer to the Australian Plant Census for guidance on name changes for their area (see https://biodiversity.org.au/nsl/services/APC). This comment also applies, of course, to those fern species that do not occur in Queensland.

Note that the Australian fern formerly referred to as *Pteris comans* is now accepted as a distinct species named *Pteris epaleata*, and *P. comans* is not considered to occur in either Australia or New Zealand (Ohlsen *et al.* 2020).

Family name	Former name	Currently accepted name 2020
Aspleniaceae	*Asplenium bulbiferum* subsp. *gracillimum*	*Asplenium gracillimum*
Aspleniaceae	*Asplenium excisum*	*Hymenasplenium excisum*
Aspleniaceae	*Asplenium unilaterale*	*Hymenasplenium perriei*
Aspleniaceae	*Asplenium wildii*	*Hymenasplenium wildii*
Blechnaceae	*Blechnum indicum*	*Telmatoblechnum indicum*
Blechnaceae	*Doodia aspera*	*Blechnum neohollandicum*
Blechnaceae	*Doodia australis*	*Blechnum parrisiae*
Blechnaceae	*Doodia caudata*	*Blechnum rupestre*
Blechnaceae	*Doodia dissecta*	*Blechnum dissectum*
Blechnaceae	*Doodia heterophylla*	*Blechnum doodianum*
Blechnaceae	*Doodia hindii*	*Blechnum hindii*
Blechnaceae	*Doodia linearis*	*Blechnum lineare*
Blechnaceae	*Doodia maxima*	*Blechnum maximum*
Blechnaceae	*Doodia media*	*Blechnum medium*
Blechnaceae	*Pteridoblechnum acuminatum*	*Blechnum reticulatum*
Blechnaceae	*Pteridoblechnum neglectum*	*Blechnum neglectum*
Cyatheaceae	*Cyathea australis*	*Alsophila australis*
Cyatheaceae	*Cyathea baileyana*	*Alsophila baileyana*
Cyatheaceae	*Cyathea celebica*	*Sphaeropteris celebica*
Cyatheaceae	*Cyathea cooperi*	*Sphaeropteris cooperi*
Cyatheaceae	*Cyathea cunninghamii*	*Alsophila cunninghamii*
Cyatheaceae	*Cyathea exilis*	*Alsophila exilis*
Cyatheaceae	*Cyathea felina*	*Sphaeropteris felina*
Cyatheaceae	*Cyathea leichhardtiana*	*Sphaeropteris australis*
Cyatheaceae	*Cyathea rebeccae*	*Alsophila rebeccae*
Cyatheaceae	*Cyathea woollsiana*	*Alsophila woollsiana*
Dryopteridaceae	*Lastreopsis acuminata*	*Parapolystichum acuminatum*
Dryopteridaceae	*Lastreopsis decomposita*	*Parapolystichum decompositum*
Dryopteridaceae	*Lastreopsis grayi*	*Parapolystichum grayi*
Dryopteridaceae	*Lastreopsis microsora*	*Parapolystichum microsorum*
Dryopteridaceae	*Lastreopsis munita*	*Parapolystichum munitum*
Dryopteridaceae	*Lastreopsis rufescens*	*Parapolystichum rufescens*
Dryopteridaceae	*Lastreopsis smithiana*	*Parapolystichum smithianum*
Dryopteridaceae	*Lastreopsis tinarooensis*	*Parapolystichum tinarooense*
Dryopteridaceae	*Lastreopsis windsorensis*	*Parapolystichum windsorense*
Hymenophyllaceae	Not listed	*Hymenophyllum reinwardtii*, new record for Queensland

Lindsaeaceae	*Lindsaea pulchella* var. *blanda*	Deleted – erroneous record for Queensland
Lycopodiaceae	*Lycopodium volubile*	*Pseudodiphasium volubile*
Ophioglossaceae	*Ophioglossum pendulum*	*Ophioderma pendulum*
Polypodiaceae	*Belvisia mucronata* var. *mucronata*	*Lepisorus mucronatus*
Polypodiaceae	*Crypsinus simplicissimus*	*Selliguea simplicissima*
Polypodiaceae	*Ctenopteris blechnoides*	*Ctenopterella blechnoides*
Polypodiaceae	*Ctenopteris gordonii*	*Ctenopterella gordonii*
Polypodiaceae	*Ctenopteris walleri*	*Tomophyllum walleri*
Polypodiaceae	*Grammitis albosetosa*	*Oreogrammitis albosetosa*
Polypodiaceae	*Grammitis leonardii*	*Oreogrammitis leonardii*
Polypodiaceae	*Grammitis queenslandica*	*Oreogrammitis queenslandica*
Polypodiaceae	*Grammitis reinwardtii*	*Oreogrammitis reinwardtii*
Polypodiaceae	*Grammitis wurunuran*	*Oreogrammitis wurunuran*
Pteridaceae	*Monogramma acrocarpa*	*Vaginularia acrocarpa*
Pteridaceae	*Monogramma dareicarpa*	*Haplopteris dareicarpa*
Pteridaceae	*Paraceterach muelleri*	*Pellaea muelleri*
Pteridaceae	*Platyzoma microphyllum*	*Pteris platyzomopsis*
Pteridaceae	*Pteris comans*	*Pteris epaleata*
Thelypteridaceae	*Amphineuron immersum*	*Amblovenatum immersum*
Thelypteridaceae	*Amphineuron opulentum*	*Amblovenatum opulentum*
Thelypteridaceae	*Amphineuron queenslandicum*	*Amblovenatum queenslandicum*
Thelypteridaceae	*Amphineuron terminans*	*Amblovenatum terminans*
Thelypteridaceae	*Amphineuron tildeniae*	*Amblovenatum tildeniae*

Changes previously accepted in Queensland (Census of the Qld Flora 2019)

Family name	**Former name**	**Currently accepted name 2019**
Athyriaceae	*Callipteris prolifera*	*Diplazium proliferum*
Davalliaceae	*Humata pectinata*	*Davallia pectinata*
Davalliaceae	*Humata repens*	*Davallia repens*
Lycopodiaceae	*Lycopodiella cernua*	*Palhinhaea cernua*
Lycopodiaceae	*Lycopodiella lateralis*	*Lateristachys lateralis*
Lycopodiaceae	*Lycopodiella limosa*	*Pseudolycopodiella limosa*
Lycopodiaceae	*Lycopodiella serpentina*	*Pseudolycopodiella serpentina*
Lycopodiaceae	*Lycopodium deuterodensum*	*Pseudolycopodium densum*
Polypodiaceae	*Colysis ampla*	*Dendroconche ampla*
Polypodiaceae	*Colysis sayeri*	*Dendroconche sayeri*
Polypodiaceae	*Microsorum pustulatum* subsp. *pustulatum*	*Zealandia pustulata* subsp. *pustulata*
Polypodiaceae	*Microsorum scandens*	*Dendroconche scandens*
Pteridaceae	*Vittaria elongata*	*Haplopteris elongata*
Pteridaceae	*Vittaria ensiformis*	*Haplopteris ensiformis*

Note: *Hymenasplenium unilaterale* is cited in the *Introduction to the Census of the Queensland Flora* 2020 (online version, 11 Feb 2020) but is an error. This species is replaced by *H. perriei* in Australia.

References:

G.K. Brown & P.D. Bostock. 2019. *Introduction to the Census of the Queensland Flora 2019*. Queensland Department of Environment and Science, Queensland Government.

G.K. Brown & P.D. Bostock. 2020. *Introduction to the Census of the Queensland Flora 2020*. Queensland Department of Environment and Science, Queensland Government.

A.R. Field. 2020. Classification and typification of Australian lycophytes and ferns based on Pteridophyte Phylogeny Group classification PPG I, *Australian Systematic Botany* 33: 1–103

D.J. Ohlsen, P.J. Brownsey, L.D. Shepherd, L.R. Perrie, E.R. May, C.-W. Chen & M.J. Bayly. 2020. *Pteris epaleata*, a new fern species from Australia and New Zealand segregated from *P. comans* (Pteridaceae). *Muelleria* 39: 17–26.

Ferns of the Robertson and Illawarra Districts

Peter Hind

November 21, 1994; updated 2014 and 2020

Originally published in *Eucryphia* No 21 Jan 1995 after my presentation to The Robertson Environment Protection Society at The Robertson Community Hall 10 June 1994. The Robertson and Illawarra Districts have rather fuzzy edges, the escarpment appears to form a reasonable boundary between them on one side but how far west one includes is open to interpretation, depending on the plant groups or ecological and or geological structures being studied e. g. Upland Swamps, these are more frequent as one moves west of the escarpment. Otford is usually taken as the northern boundary on the coast and the southern limit around the Shoalhaven River.

The Robertson Plateau is sometimes taken to include only those areas of the plateau covered by basaltic soils, this takes in most of the rainforest and cleared land. Fallding and Benson (*Cunninghamia* 1985) refer to Robertson being on the Wingecarribee Tableland in their treatment of the vegetation of the Macquarie Pass. Anders Bofeldt in *Eucryphia* no 15, Feb 1994 takes a much broader view "In the broadest sense to refer to the area above the escarpment i.e. the plateau, but including the Budderoo, Barren Grounds and Robertson Plateaus". I agree with Anders that "Obviously these all are part of the same plateau with the place name referring to different parts of it. There are no clear boundaries as to where one ends and the other starts".

Within these districts we have a very diverse fern flora, reflecting the diverse ecology of the region ranging from subtropical rainforest to snow gums and subalpine swamps. Most of the 104 species and varieties of ferns and their allies recorded for the area occur in the wetter shadier habitats from the coast to a few kilometres inland of the escarpment. Only a few species prefer the more open habitats of the upland swamps and wet heaths, e.g. *Lindsaea linearis* – Screw Fern and *Gleichenia* spp. - Coral Ferns.

48 species of ferns and allies have been recorded for the Robertson area. A further 17 species should be included from the Barren Grounds portion of the plateau making a grand total of 65 species, more than half the total of 110 spp. recorded for the Illawarra district (which includes the above areas). There are only 165 species of ferns and allies listed in the Flora of NSW. 115 species are described in the Flora of the Sydney Region.

Following is a list of ferns and their allies recorded for the area in various publications, personal observations and unpublished lists presented in table form with special reference to recordings for the Robertson district. Most of the coded localities are derived from published works and personal observations by myself and colleagues.

BIBLIOGRAPHY

Ecology of Sydney plant species Part 1: Ferns, fern allies, etc, D. Benson & L. McDougall, *Cunninghamia* Vol 3 (2) 1993.

Natural Vegetation and Settlement at Macquarie Pass, H. Fallding & J.S. Benson, *Cunninghamia* vol 1 (3) 1985.

Checklist of Vascular Plants in Robertson Rainforests, A. Stiles, *Eucryphia* no 2 March 1991.

Distribution, character and conservation status of the rainforests of the Illawarra District, NSW. *The Rainforest Legacy* Vol 1 pages 71–117 by K. Mills.

The Flora of Barren Grounds Nature Reserve and Surrounding Natural Areas, M. Bramwell *et al*., *Barren Grounds Report* 1988-90.

Robertson Plateau Rainforest: remnants of the Yarrawa Brush, P.G. Kodela, *National Parks Journal* Sept. 1990.

Modern Pollen Rain from Forest Communities on the Robertson Plateau, P.G. Kodela, *Australian Journal of Botany* 1990.

Rare Plants in Rainforests of the Robertson Plateau:- Part 1, A. Bofeldt, *Eucryphia* Feb, May 1994.

Flora List for Robertson Nature Reserve by P.G. Kodela. Unpublished.

Plant Species Recorded from Wingecarribee Swamp by P.G. Kodela, T.A. James, R.G.Coveny and P.D. Hind. Unpublished. to 1994.

Plant Species Recorded from Pastures, Roadsides and Wasteland Areas in the Robertson - Moss Vale Region by P.G. Kodela, T.A. James, R.G. Coveny and P.D. Hind. Unpublished. 1994.

Whispering Gallery, Albion Park, Flora List by R. Coveny, Nov. 1977. Unpublished.

Additions to the Flora of Barren Grounds Nature Reserve (1992) by R.G. Coveny *et al.* Unpublished.

Budawangia no 96 March 2020. *Haplopteris* (as *Vittaria*) photo & observation by K. Mills.

Plant Name	Robertson P. Hind obs	R-S = Robertson - A. Stiles list in Eucryphia March 1991	R-K = Robertson - P.G. Kodela various lists and papers 1990 - 1994	R-A = Robertson A. Bofeldt - Rare plants in rainforests of Robertson,	Kn = Knights Hill & heads of Minnamurra River P. Hind obs.	JP = Jamberoo Pass near Knights Hill, mostly obs. P. Hind	Barren Grounds	MP = Macquarie Pass - Faullding & Benson in Cunninghamia vol 1 (3) 1985	W.G = Whispering Gallery AlbP = Albion Park	Minn = Minnamurra Falls & River	Fox = Foxgrounds - pers. obs. by P. Hind & others	Bund = Bundanoon	I-M = Illawarra District K. Mills (The rainforests of)	Other Sites in this area
ASPLENIACEAE														
Asplenium aethiopicum														Mt Keira in Flora of NSW
Asplenium attenuatum			R-K										I-M	Wongawilli
Asplenium australasicum		R-S	R-K				Barr		AlbP	Minn			I-M	
Asplenium decurrens														Shellharbour. Kiama 1886
Asplenium difforme														Kiama 1970
Asplenium flabellifolium	R	R-S	R-K		Kn		Barr	MP			Fox		I-M	
Asplenium flaccidum	R				Kn		Barr							
Asplenium gracillimum													I-M	Cambewarra
Asplenium polyodon										Minn			I-M	
ATHYRIACEAE														
Diplazium australe		R-S			Kn		Barr				Fox			Cambewarra
Deparia petersenii subsp. *congrua*										Minn			I-M	
BLECHNACEAE														
Blechnum ambiguum							Barr	MP		Minn			I-M	

Blechnum camfieldii														Bulli
Blechnum cartilagineum			R-K		Kn		Barr	MP	W.G	Minn		Bund	I-M	
Blechnum chambersii										Minn			I-M	
Blechnum gregsonii				R-A						Minn			I-M	
Blechnum lineare										Minn			I-M	
Blechnum minus			R-K				Barr			Minn			I-M	
Blechnum neohollandicum		R-S	R-K		Kn		Barr	MP			Fox	Bund	I-M	
Blechnum nudum		R-S	R-K		Kn		Barr	MP		Minn	Fox	Bund	I-M	
Blechnum parrisiae													I-M	
Blechnum patersonii		R-S	R-K		Kn		Barr	MP		Minn		Bund	I-M	
Blechnum rupestre										Minn			I-M	Mt Kembla
Blechnum wattsii		R-S	R-K		Kn		Barr	MP					I-M	
Telmatoblechnum indicum												Bund 1897		Jervis Bay
CYATHEACEAE														
Cyathea australis		R-S	R-K		Kn		Barr	MP			Fox	Bund	I-M	
Cyathea cooperi										Minn			I-M	Jervis Bay 1942
Cyathea leichhardtiana		R-S					Barr	MP		Minn	Fox		I-M	Belambi 1870
DAVALLIACEAE														
Davallia pyxidata							Barr	MP	W.G		Fox		I-M	
DENNSTAEDTIACEAE														
Dennstaedtia davallioides			R-K		Kn						Fox		I-M	
Histiopteris incisa		R-S	R-K		Kn		Barr	MP			Fox		I-M	
Hypolepis glandulifera			R-K				Barr	MP		Minn	Fox		I-M	
Hypolepis muelleri							Barr	MP			Fox	Bund	I-M	
Pteridium esculentum														Widespread except in the most heavily shaded areas
DICKSONIACEAE														

Calochlaena dubia			R-K		Kn		Barr	MP			Fox	Bund	I-M	
Dicksonia antarctica		R-S	R-K		Kn		Barr	MP				Bund	I-M	
DRYOPTERIDACEAE														
Arachniodes aristata														Shellharbour C. Moore no date
Lastreopsis acuminata		R-S	R-K		Kn		Barr	MP		Minn			I-M	
Lastreopsis decomposita		R-S					Barr	MP			Fox		I-M	
Lastreopsis hispida														coll by W.Bauerlen 1800s
Lastreopsis microsora			R-K		Kn		Barr	MP					I-M	Cambewarra
Polystichum australiense												Bund	I-M	
Polystichum formosum													I-M	Fitzroy Falls
Polystichum proliferum		R-S	R-K							Minn			I-M	
Rumohra adiantiformis						JP	Barr			Minn			I-M	
GLEICHENIACEAE														
Gleichenia dicarpa			R-K				Barr	MP				Bund	I-M	
Gleichenia microphylla			R-K				Barr	MP						
Gleichenia rupestris												Bund	I-M	
Sticherus flabellatus							Barr					Bund	I-M	
Sticherus lobatus		R-S	R-K				Barr	MP				Bund	I-M	
Sticherus urceolatus					Kn		Barr			Minn	Fox	Bund	I-M	
GRAMMITACEAE														
Notogrammitis billardierei		R-S			Kn		Barr	MP					I-M	Cambewarra
HYMENOPHYLLACEAE														
Abrodictyum caudatum							Barr			Minn			I-M	
Crepidomanes vitiense										Minn - Wiecek, Hind et al. 2005				near Coalcliff, M. Renner
Hymenophyllum australe							Barr					Bund	I-M	

Hymenophyllum bivalve						JP				Minn			I-M	
Hymenophyllum cupressiforme		R-S			Kn		Barr	MP		Minn			I-M	
Hymenophyllum flabellatum	R by Woolls					JP	Barr							
Hymenophyllum lyallii				R-A			Barr						I-M	Macq not in MP ref
Hymenophyllum marginatum							Barr			Minn			I-M	
Hymenophyllum pumilum				R-A		JP							I-M	Carrington Falls
Hymenophyllum rarum						JP	Barr			Minn			I-M	
Polyphlebium venosum	R by Woolls				Kn		Barr			Minn			I-M	
LINDSAEACEAE														
Lindsaea dimorpha														Nowra district
Lindsaea linearis			R-K				Barr	MP				Bund		
Lindsaea microphylla														
Lindsaea trichomanoides				R-A			Barr			Minn			I-M	
LYCOPODIACEAE														
Lycopodium deuterodensum							Barr			Minn				
Lycopodiella lateralis							Barr							
Phlegmariurus varius				R-A			Barr							
MARSILIACEAE														
Marsilea hirsuta														Coomonderry Swamp 1993
Marsilea mutica														Port Kembla 1953
OPHIOGLOSSACEAE														
Botrychium australe										Minn				
OSMUNDACEAE														
Leptopteris fraseri				R-A			Barr			Minn			I-M	
Todea barbara			R-K		Kn		Barr	MP			Fox	Bund	I-M	
POLYPODIACEAE														

Dictymia brownii														Otford S. Limit
Microsorum pustulatum		R-S	R-K		Kn		Barr						I-M	
Microsorum scandens		R-S	R-K		Kn		Barr	MP				Bund	I-M	
Platycerium bifurcatum													I-M	Nowra 1930s & 40s + Wollongong earlier
Pyrrosia rupestris		R-S	R-K		Kn		Barr	MP		Minn			I-M	
PSILOTACEAE														
Psilotum nudum												Bund	I-M	
Tmesipteris obliqua					Kn	JP	Barr			Minn			I-M	
Tmesipteris ovata										Minn			I-M	
Tmesipteris parva				R-A	Kn		Barr						I-M	Cambewarra
Tmesipteris truncata	R						Barr						I-M	
PTERIDACEAE														
Adiantum aethiopicum									W.G			Bund	I-M	
Adiantum atroviride										Minn on Basalt				often misidentified as *A. aethiopicum*
Adiantum diaphanum										Minn	Fox		I-M	
Adiantum formosum								MP	W.G	Minn	Fox			
Adiantum hispidulum								MP	W.G	Minn	Fox		I-M	includes 2 varieties
Adiantum silvaticum											Fox by Woolls 1871			
Cheilanthes austrotenuifolia	R in 1942													Nowra dist. Mills 2013
Cheilanthes distans										Minn			I-M	Nowra & Kiama dist.
Cheilanthes sieberi								MP					I-M	Dapto
Haplopteris prob. *H. ensiformis*														Minn – Photo by K. Mills Budawangia March 2020 +

														Fox (Photo) Alan Stiles & Bob McInnes before March 2011
Pellaea falcata		R-S	R-K		Kn		Barr	MP					I-M	Cambewarra
Pellaea nana								MP				Bund	I-M	Mt Kembla
Pellaea paradoxa										Minn			I-M	
Pteris comans					Kn					Minn	Fox		I-M	Belmore Falls
Pteris tremula							Barr						I-M	Cambewarra
Pteris umbrosa		R-S			Kn			MP		Minn	Fox		I-M	
Pteris vittata													I-M	Road cutting Corrimal Mills 1988
SALVINIACEAE														
Azolla rubra (formerly treated as *A. filiculoides*)														Gerringong
Azolla pinnata									AlbP					
SCHIZAEACEAE														
Schizaea bifida							Barr	MP		Minn				
Schizaea fistulosa			R-K							Minn				
Schizaea rupestris	R		R-K				Barr							
SELAGINELLACEAE														
Selaginella uliginosa			R-K				Barr							Belmore Falls
TECTARIACEAE														
Arthropteris beckleri							Barr			Minn	Fox		I-M	Mt Keira
Arthropteris tenella		R-S	R-K				Barr	MP		Minn			I-M	Gerringong
Arthropteris beckleri × *A. tenella*										Minn				Minn. M. Tindale 1955 & G. Errington 1993
THELYPTERIDACEAE														
Christella dentata											Fox		I-M	Cambewarra

Key to codes used in the fern list:-

R-A = A. Bofeldt - Rare plants in rainforests of Robertson, *Eucryphia*
R-S = Robertson - A. Stiles list in *Eucryphia* March 1991
R-K = Robertson - P.G. Kodela various lists and papers 1990 to 1994
MP = Macquarie Pass - Fallding & Benson in *Cunninghamia* vol 1 (3) 1985
JP = Jamberoo Pass near Knights Hill, mostly pers. obs. P. Hind
I-M = Illawarra District (The rainforests of) - K. Mills

Abbreviations used for place names cited in *Cunninghamia*, *Eucryphia* and other references used to compile this list:

AlbP = Albion Park
Barr = Barren Grounds
Bund = Bundanoon
Camb = Cambewarra - including Cambewarra Mtn.
Carr = Carrington Falls
Fox = Foxgrounds - pers. obs. by P. Hind
Gerr = Gerringong
Kn = Knights Hill & heads of Minnamurra River - pers. obs. P. Hind
Macq = Macquarie Pass - not in MP reference
Minn = Minnamurra Falls & River
R = Robertson
W.Gal = Whispering Gallery, Albion Park
Wong = Wongawill