

ASSOCIATION of

S.G.A.P. Fern Study Group

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The question posed by Ray Best in the previous edition of our Newsletter produced more responses than we have received to almost anything we have published previously. And the query wasn't even about growing ferns. I don't know what that tells us! Maurice Haenke's response provided a deal of additional information and we are pleased to print it below.

Millicrons, the Solution?

I sympathise with Ray Best (December 1992 Newsletter) for being confused on the subject of this measurement. It arises from the fact that some previously accepted terms for units of measurement have been replaced by a new system of nomenclature, known as S.I., which was officially adopted by Australia some years ago when we "went metric".

Briefly, the basic unit of length is the metre, whose symbol is a small "m". The recommended subdivisions of this measure are:

- * millimetre (mm); a thousandth (1/1,000) of a metre
- * micrometre (um), a millionth (1/1,000,000) of a metre
- * nanometre (nm), a billionth (1,000,000,000) of a metre

The confusion arises because the word "micron" (symbol u) was - and often still is, used for a millionth of a metre, and millicron (or mu) for a billionth of a metre (i.e., a thousandth of a micron, or a millionth of a millimetre).

If you are still with me, I might finally say that I have used the term "billion" in spite of the fact that its use is also discouraged because in years past, its meaning in England was a million million. (1,000,000,000,000) while in U.S.A. it meant a thousand million (1,000,000,000). Nowadays, the American definition is standard, which makes it easier for people like Kerry Packer to be billionaires!

Incidentally, the term centimetre (cm) which is 1/100th of a metre or 10 millimetres, while still in common use, is frowned upon in the S.I. system. This is why sheets of plywood, for example, are sold as 900 x 600 mm, to the confusion and exasperation of many tradesmen!

Staghorns From Tissue Culture.

From SGAP Qld Region Bulletin Sept 92. Contributed by Ian Cox.

A University of Queensland, Gatton College, research group have developed a method of producing large quantities of Staghorns (*Platycerium superbum*) from tissue culture. They expect to release the first supplies to the nursery trade within the next 12 months.

Until now, most staghorns supplied to nurseries have been harvested from the wild, with harvesters frequently following in the wake of loggers. Fewer numbers have been grown from spores, as the staghorn is slow-growing plant, taking five years to reach saleable size. This new method of production should have a marked effect on the availability and cost of staghorns to the public.

"Reginald Kaye M.S.C. The Wisard of Silverdale"

Contributed by Ray Best.

Reading recently about the death of Reginald Kaye M.S.C. at 90 years. His book "Hardy Ferns" has been sold all around the world and is considered a classic.

The only photo I had of him was a rather poor one, with this as a guide I prepared the drawing, while the script was obtained from details in my library.

Silverdale is a small village on the shore of Morecombe Bay in the Lakes District of Lancastershire. The nursery home is known to the locals as "Waithman's House" in Lindeth Road. The Late Reginald Kaye passed away on August 31 1992 aged 90 years, he was a very talented man, a Nurseryman of world renown, photographer, oil painter, wood carver, author of "Hardy Ferns" and the Royal Horticultural Societies Handbook of Ferns, at one time President of "The British Pteridological Society".

Just prior to his death he managed to travel to Lancaster University to receive an honorary Master of Science Degree from Princess Alexandra for his work with ferns.

We are given to understand that his son and daughter-in-law will look after his ferns. It may be of interest that two long time and aged members of B.P.S. both friends of mine and Rege's have agreed to co-author a new addition of "Hardy Ferns" that he was working on. They are James W. Dyce M.B.E. F.L.S., now President Emeritus of The British Pteridological Society, and Martin H. Rickard, the present editor of the "Pteridologist".

Subscriptions Due

The subscription of \$4 per year for the 1993 calendar year fell due on 1 January 1993. If not already paid please remit or give to our Treasurer, Joan Moore, 2 Gannet Street, Gladesville, 2111. Overseas membership is \$8 which covers additional postage.

REGINALD KAYE M.S.C.
"THE WISARD OF SILVERDALE"



Our Queensland Trip

Contributed by Rose Bach

At the end of August last year, Jean Hope from the Mid North Coast Group and myself set out for a sightseeing trip of Queensland.

We stopped at many places such as a great rainforest at the Bolders in Babinda, finishing our trip north at Cape Tribulation and Daintree. Then slowly we made our way back staying at the Atherton Tablelands, visiting Mossman Gorge and the Twin Lakes, Eachum and Barrine, seeing many ferns growing in their natural habitat.

We had made previous plans to meet with Judy and Charlie Charters from Mid North Coast Group at Eungella National Park. Jean and I set up camp overlooking the Finch Hatton township a relaxing view. Judy and Charlie arrived, camping in the National Park not far from the Platypus viewing platforms.

Our first walk was Discovery Walk, sighting 20 species of fern. The next walk, Palm Walk, being 6 km we left a car at each end to make it easier. We found 40 species of ferns. Having stopped so many times made a long and very exciting day. There were many first sightings, especially Cyathea rebecca and massive clumps of Vittaria ensiformis hanging from limbs of trees.

Next day we made an early start for our trip to Mt. William 25 km away. Not long before arriving at the walk, we were very excited to see Cyathea robertsiana with its finger thick, very tall trunks topped with its lacy fronds, growing on the road banks.

We left the car and started on the walk finding the track barely visible until we noticed yellow tapes tied on trees which we closely followed. We sighted great stands of Cyathea robertsiana and 35 different ferns species after walking a long distance and returning the same way.

Next morning after breaking camp we drove down the very steep mountain road to Finch Hatton Gorge - a lovely place with Auraleen Falls. On the verges of the track were numerous very small Adiantums we couldn't identify - possibly a Lindsaea?. On our way out of the National Park we looked for Blechnum orientale which we had read about in an article by Peter Bostock in September '91 Newsletter. We were successful in finding this large clump near the creek crossing. Peter stated they could not find any other clumps in the area but we thought we found some in the creek itself, only seven fern species that day. Next day we stayed at Mackay. We saw an Orchid display at a place called Homebush. This should have been called a Fern and Orchid Display. The show of ferns was just as spectacular as the orchids which were in full bloom. Many photos and many hours spent there. Well worth a visit if in the area.

Our next stop was Cania Gorge, out from Monto for two very cold nights. Heavy frosts covered everything. The first afternoon we did a walk to the Bat Cave with eight species of ferns including great clumps of Platyterium veitchii and Psilotum nudum on the rock walls.

Next morning we went to the Hanging Rock Walk, some of this walk is on wooden walkways under overhanging rocks of dripping water and covered with masses of ferns, 25 species were found. In the afternoon we went to the Fern Pool Walk, we followed the track along a creek surrounded by various ferns. We rested by the fern pool before crossing the creek to climb and walk along the ridge on the return round trip. At the end of the walk we found ourselves high on the top of the mountain overlooking the Gorge, a wonderful view, but there below was a small red object - our car! We had a very steep climb down but it was made all worthwhile by sightings of orchids in full bloom on the rocks and *Galeola* climbing over a tree, 23 fern species were sighted on the Fern Pool Walk.

We spent the next two days travelling to Gayndah, Ban Ban Springs, Gympie, then on to Mapleton Falls, which we viewed from a large platform high above the valley. We did the round trip sighting 17 species of ferns. We then went on to Kondalilla Falls and swimming hole, which was 10 metres deep. Judy and Charlie climbed down to the base of the falls before returning to the top again, 16 fern species on round trip.

Next morning we went to Marycain Cross. We viewed Glasshouse Mountains in the distance, we took the walk behind the picnic area sighting 10 species of ferns. We then went on to Mount Nuguan. It was hot and dry, Judy and Charlie decided to climb the mountain and found only 5 fern species. Jean and I left them and went on to O'Reillys at Tambourine Mountain for a quick walk on the Sky Walk over the rainforest trees before returning to Jeans place after our wonderful Queensland trip. We would like to thank Steve Clemesha for helping us with identifying our ferns.

Eungella Discovery Walk: *Adiantum diaphanum*, *silvaticum*, and *formosum*, *Arthropteris tenella*, *Asplenium australasicum* & *polyodon*, *Blechnum cartilagineum*, *Christella dentata*, *Cyathea leichhardtiana*, *Davallia pyxidata*, *Dictymia brownii*, *Doodia aspera* & *caudata*, *Lastreopsis microsora* & *smithiana*, *Microsorium scandens*, *Nephrolepis cordifolia*, *Platycterium bifurcatum*, *Schellolepis percussa*, *Vittaria ensiformis*.

Eungella Palm Walk: *Adiantum formosum*, *silvaticum*, *Angiopteris evecta*, *Arthropteris tenella*, *Asplenium australasicum*, *polyodon*, *attenuatum*, *simplicifrons*, *Blechnum cartilagineum*, *patersonii*, *whelanii*, *Christella dentata* & *subpubescens*, *Cyathea leichhardtiana*, *cooperi* & *rebecca*, *Davallia pyxidata*, *Dictymia brownii*, *Doodia aspera* & *caudata*, *Lastreopsis microsora*, *smithiana* & *rufescens*, *Nephrolepis cordifolia*, *Platycterium bifurcatum* - fine one, *Marattia salicina*, *Belvisia mucronata*, *Diplazium queenslandicum*, *assimile* & *australe*, *Deparia petersenii*, *Pellaea falcata* var *nana*, *Pteris pacifica*, *Pyrrosia confluens*, *rupestris*, *dielsii*, *Schellolepis percussa*, *Vittaria ensiformis*, *Microsorium scandens*, *Filmy fern*, *Tectaria muelleri*.

Mt William: *Adiantum silvaticum*, *Arthropteris tenella*, *Asplenium australasicum* & *polyodon*, *Belvisia mucronata*, *Blechnum cartilagineum* & *nudum*, *Cyathea leichhardtiana*, *rebecca*, *robertsiana* & *cooperi*, *Dicksonia herbertiana*, *Drynaria rigidula*, *Histiopteris incisa*, *Hypolepis muelleri*, *Lastreopsis acuminata*, *Microsorium diversifolium* and *scandens*, *Nephrolepis cordifolia*, *Pellaea fal-*

cata var. nana, *Platycterium bifurcatum* and *superbum*, *Psilotum nudum*, *Pyrrosia deilsei* and *rupestris*, *Pteris umbrosa*, *Lastreopsis microsora* and *smithiana*, *Marattia salicina*, *Vittaria ensiformis*.

Finch Hatton Gorge: Filmy fern, *Adiantum* ?, *Blechnum orientale*, *Doryopteris concolor*, *Drynaria rigidula*, *Lygodium flexuosum*, *Microsorium punctatum*.

Carnia Gorge: Bat Cave Day 1. *Adiantum hispidulum*, *Cheilanthes sieberi*, *Drynaria rigidula*, *Doodia aspera* & *caudata*, *Gleichenia microphylla*, *Platycterium veitchii*, *Psilotum nudum*. Day 2 Hanging Rock Walk. *Adiantum diaphanum*, *formosum* & *hispidulum*, *Arthropteris tenella*, *Asplenium attenuatum*, *Blechnum cartilagineum*, *Culcita dubia*, *Cyathea australis*, *Christella dentata*, *Cheilanthes* sp., *Doodia aspera* & *caudata*, *Davallia pyxidata*, *Drynaria rigidula*, *Gleichenia microphylla*, *Histiopteris incisa*, *Ophioglossum pendulum*, *Pellaea falcata*, *Platycterium veitchii*, *Psilotum nudum*, *Pteris tremula*, *Pyrrosia dielsii* & *rupestris*, *Sticherus flabellatus*, *Lygodium flexuosum*.

Fern Pool: *Adiantum aethiopicum*, *formosum* & *hispidulum*, *Asplenium attenuatum* var. *multilobum*, *Blechnum cartilagineum* & *nudum*, *Cheilanthes hirsuta* & *sieberi*, *Culcita dubia*, *Cyathea cooperi*, *Doodia aspera*, *Drynaria rigidula*, *Pellaea falcata* & *paradoxa*, *Psilotum nudum*, *Platycterium veitchii* & *bifurcatum*, *Pteris* sp., *Sticherus flabellatus*, *Todea barbara*, *Pyrrosia rupestris*, *Diplazium australe*, *Lastreopsis tenera*.

Mapleton Falls: *Adiantum aethiopicum*, *formosum*, & *hispidulum*, *Asplenium australasicum* & *polyodon*, *Blechnum cartilagineum*, *Christella dentata*, *Culcita dubia*, *Davallia pyxidata*, *Doodia aspera*, *Drynaria rigidula*, *Arthropteris tenella*, *Hypolepis muelleri*, *Lastreopsis acuminata*, *Nephrolepis cordifolia*, *Platycterium bifurcatum* & *superbum*.

Kondalilla Falls: *Adiantum formosum* & *silvaticum*, *Arthropteris beckleri* & *tenella*, *Asplenium australasicum*, *attenuatum*, *multilobum* & *flabellifolium*, *Blechnum cartilagineum* & *patersonii*, *Cheilanthes hirsuta*, *Christella dentata*, *Culcita dubia*, *Cyathea australis* & *leichhardtiana*, *Doodia aspera* & *caudata*.

Mary Caincross: *Arthropteris tenella*, *Asplenium australasicum* & *polyodon*, *Davallia pyxidata*, *Lastreopsis decomposita* & *munita*, *Microsorium scandens*, *Platycterium superbum*, *Pyrrosia confluens* & *rupestris*.

Mt. Nugaun: *Adiantum silvaticum*, *Doodia* sp., *Drynaria rigidula*, *Lindsaea microphylla*, *Nephrolepis* sp.

DEADLINE FOR COPY

Keep those articles coming in! The Newsletter depends on members supplying information to disseminate to the Group generally. Please consider sharing your experiences, travelling and finding ferns, or any successes and / or failures that you have had in propagating or growing ferns. Copy for next issue should be with the Secretary by no later than 15 May 1993.

FERNLIST COOPERNOOK STATE FOREST 15/16 AUGUST, 1992.

including Forest Drive, Newby Creek and Starr's Creek

Adiantum	formosum
	hispidulum
	silvaticum
Arthropteris	tenella
Asplenium	australasicum
	flabellifolium
	polyodon
Blechnum	cartilagineum
	nudum
	patersonii
	wattsii
Calochlaena	dubia (Culcita)
Cheilanthes	sieberi
Christella	dentata
Cyathea	australis
	leichhardtiana
Davallia	pyxidata
Dennstaedtia	davallioides
Diplazium	australe
Doodia	aspera
Gleichenia	dicarpa
Grammitis	billardieri
Histiopteris	incisa
Hypolepis	glandulifera
	muelleri

Hymenophyllum	cupressiforme
Lastreopsis	acuminata?
	decomposita
	microsora
	munita?
Lindsaea	linearis
	microphylla
Lunathyrium	petersenii
Pellaea	falcata
	paradoxa
Microsorium	scandens
Platycterium	bifurcatum
	superbum
Pteridium	esculentum
Pteris	tremula
Pyrrosia	confluens
Sticherus	flabellatus
Todea	barbara

NULLA STATE FOREST - FERN LIST 8/11/92

genus	species
Adiantum	aethiopicum
Adiantum	diaphanum
Adiantum	formosum
Adiantum	hispidulum
Adiantum	silvaticum
Arthropteris	beckleri
Arthropteris	tenella
Asplenium	attenuatum
Asplenium	australasicum
Asplenium	polyodon
Blechnum	cartilagineum
Blechnum	patersonii
Blechnum	wattsii
Calochlaena	dubia (Culcita)
Cheilanthes	distans *
Cheilanthes	sieberi
Christella	dentata
Cyathea	australis
Cyathea	leichhardtiana

Davallia	pyxidata
Dennstaedtia	davallioides
Diplazium	australe
Doodia	aspera
Doodia	caudata
Gleichenia	dicarpa
Hypolepis	glandulifera
Hypolepis	muelleri
Lastreopsis	acuminata
Lastreopsis	decomposita
Lastreopsis	microsora
Lastreopsis	munita
Lindsaea	microphylla
Lunathyrium	petersenii
Microsorium	scandens
Pellaea	falcata
Pityrogramma	austroamericana
Platycterium	bifurcatum
Platycterium	superbum
Pteridium	esculentum *
Pteris	tremula
Pteris	umbrosa
Pyrrosia	confluens
Sticherus	flabellatus
Todea	barbara

* by Nulla Creek on the road in

NOTES FROM MID NORTH COAST

Contributed by Charlie Charters

Report on Outing to Barrington & Gloucester Tops 15/17 January.

The cry was out to find somewhere new so our Group, Phyllis, John, Steve, Jean, Phil, Julie, Judy, Charlie from the north, Rose & Patsy from Sydney & Roy and Bea Duncan from Newcastle, headed south for the Gloucester area.

On Friday afternoon we met at Polblue to set up camp and do the 70 minute walk around the Sphagnum Swamp where we found 8 fern species and several ground orchids. Although the day was very hot we had to fish out our jumpers at night and close in around the barbeque fire. Saturday broke clear and fine - after breaking camp the first stop "The Firs Walk" to view the firs and pine trees. Then the rest of the day was spent moving to the next five picnic areas in the State Forest and National Park, finding between 13 & 24 ferns at each area. Mitchells Creek although being the shortest walk had plenty of ferns.

Arriving at the Gloucester Caravan Park late Saturday afternoon, with no relief from the heat, we set up camp for the night. Sunday morning we set off to Gloucester Tops, going first to the Tops Riverside Caravan Park to set up camp before starting our tour of this area heading for Gloucester Falls, Beech Forest Walk and then Sharpes Creek (This is a National Parks Camping area). Although it was an incredibly hot day we enjoyed ourselves with plenty of ferns found in each spot. The find of the week was Blechnum fluviatile in two spots and a possible third. Returning to the caravan park in the afternoon half the group enjoyed a refreshing swim - even someone fully clothed!! Despite the heat we had a very good weekend finding over 50 different species of ferns.

In the limited time we tried to cover too much area, so it was decided next time (and there will be a next time) to treat each spot as a separate area and spend 3 or 4 days in each spot. Because we had to move so quickly it was possible to only cover half the area.

NOTES FROM SOUTH EAST QUEENSLAND

Contributed by Irene Cullen

Once again the Fern Display at the Queensland Region Annual Flower Show at Redeemer College was outstanding. Our display fills an area 3m x4m. There are rows of hanging baskets and three tiers of ferns covering the whole space. The ferns displayed were in perfect condition. This was no mean feat, when one realizes that all the ferns displayed were grown by one member. We are indebted to you, Cliff Ritchie, for your tremendous effort. Thanks also to Peter, Lindsay and others who helped set up and "man" the display.

Our October meeting wasn't well attended. A last minute cancellation of venue upset some plans. However those who attended voted it one of our best. Peter Bostock told us of his recent trip to Sydney, where he met up with visiting members of the L.A. Fern Society and brought us up to date with who is doing what, fern research, etc. Then we had a lively discussion on raising ferns

by spores. Many methods and propagation mixes were put forward. Hopefully it will trigger new enthusiasm in members to try their hand at this much neglected art.

Graham Nosworthy's property was the venue for our November meeting. Geoff Edwards delivered an excellent address on the History of Ferns. A paper on it will appear in a later Newsletter. After the customary plant exchange and lunch, we toured Graham's ever interesting grounds and shade house.

First meeting for '93 was at Pullenvale, home of Geoff and Merle Goadby. Our discussion on poorly doing ferns, was followed by a very interesting walk down the gully on their property. Much thought and effort had been put into establishing an interesting rain forest with gently graded walk way to the gully floor. Native ferns are now being established on the slopes and trees. A watering system has been installed throughout. To date they have a total of sixty fern species, eight of them being native to the area. A clump of Ophioglossum pendulum which has been set in the base of a Platycterium bifactum is really thriving. A great effort Geoff and Merle.

NOTES FROM SYDNEY AREA

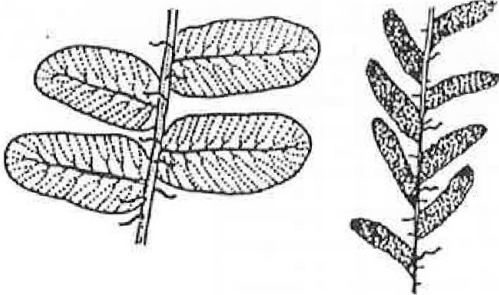
Report on Function at Pennant Hills, 6 December 1992

There were 24 present for the traditional end of year function held this year at the Forestry Commission's Environment Centre. A happy time for all, the day's enjoyment being enhanced by a viewing of the Fred Johnston audio visual "Creating a Native Garden" and a walk around the nursery area.

Report on Outing to Mt Wilson, 20 February 1993

Contributed by Joan Moore

We had a lovely walk, there were ten members present. The temperature at Mt Wilson was just right, ferns gorgeous. I was particularly impressed by the Microsorium diversifolium all large and shiny, better looking than the M. scandens which was also there, both climbing where they could. After lunch we drove along to the Cathedral of ferns where now there is a wide easy path. This area is also beautiful, the tree ferns were magnificent.



Blechnum fluviatile

The sketch to the left was copied from "Flora for New South Wales", Editor Gwen J. Harden. The "Flora" tells us that B. fluviatile grows in damp protected sites at higher altitudes, south from Barrington Tops and it is rare in N.S.W.

"Encyclopaedia of Australian Plants" has this to say about B. fluviatile. "A handsome fern that grows in cool, moist or wet positions in tall forest or along stream banks, often in small colonies. Popular in cultivation where it prefers cool, humid, moist conditions and is intolerant of dryness. An excellent plant for a protected rockery. Fast growing when in a suitable position."

MID NORTH COAST FERN STUDY GROUP.

OUTING TO BARRINGTON TOPS AND GLOUCESTER TOPS

15TH - 17TH JANUARY 1993

KEY TO LOCATIONSBARRINGTON TOPS

PB - Polblue Swamp

DH - Devil's Hole Lookout

HS - Honeysuckle

M - Moppy

C - Cobark Forest Park

MC - Mitchell's Creek.

GLOUCESTER TOPS

GF - Gloucester Falls

B - Beech Forest Walk

S - Sharpe's Creek

R - Roadsides, campsites etc (other species)

genus	species	PB	DH	HS	M	C	MC	GF	B	S	R
Adiantum	aethlopicum							*		*	
Adiantum	diaphanum									*	
Adiantum	formosum						*			*	
Adiantum	hispidulum										*
Arachniodes	aristata									*	
Arthropteris	tenella					*	*			*	
Asplenium	australicum			*			*			*	
Asplenium	bulbiferum		*		*	*			*		
Asplenium	flabellifolium		*		*	*			*	*	
Asplenium	polyodon						*				
Azolla	filiculoides										*
Blechnum	cartilagineum					*				*	
Blechnum	fluviatile		?					*	*		
Blechnum	minus	*						*			
Blechnum	nudum	*			*	*		*			
Blechnum	penna-marina	*									
Blechnum	patersonii		*	*	*	*			*	*	
Blechnum	wattsonii			*	*	*		*	*		
Calochlaena	dubia (Culcita)				*					*	
Cheilanthes	sieberi										*
Christella	dentata										*
Cyathea	australis					*				*	
Davallia	pyxidata						*				
Dennstaedtia	davallioides					*	*			*	
Dicksonia	antarctica	*		*	*	*		*	*		
Dictymia	brownii						*			*	
Diplazium	australe		*	*		*	*		*	*	
Doodia	aspera					*	*			*	
Doodia	caudata									*	
Doodia	squarrosa (X)									*	
Gleichenia	dicarpa							*			
Grammitis	billardieri		*	*	*	*		*	*		
Histiopteris	incisa	*	*	*	*	*		*	*		
Hymenophyllum	bivalve								*		
Hymenophyllum	cuoressiforme		*	*	*	*		*	*		
Hymenophyllum	flabellatum		*					*	*		

genus	species	PB	DH	HS	M	C	MC	GF	B	S	R
Hypolepis	glandulifera					*	*				
Lastreopsis	acuminata								*	*	
Lastreopsis	decomposita									*	
Lastreopsis	microsora						*			*	
Lastreopsis	munita						*			*	
Lindsaea	linearis							*			
Lycopodium	deuterodensum							*	*		
Lycopodium	fastigiatum	*									
Microsorium	scandens					*	*			*	
Microsorium	diversifolium		*	*	*	*			*		
Pellaea	falcata				*		*			*	
Pellaea	paradoxa						*			*	

A.S.G.A.P. FERN STUDY GROUP

Statement of Receipts & Payments for the Year 1992 (\$)

<u>Receipts</u>		
Membership Subscriptions	<u>1992</u>	<u>1991</u>
Donations	598	611
Donation to Burrendong Arboretum	172	114
Interest Received	50	-
Sydney Members Raffles - Net Proceeds	74	79
Sale of Past Newsletters	36	96
	-	6
Total Receipts	<u>930</u>	<u>906</u>
<u>Payments</u>		
Postage of Newsletters	314	300
Purchase of Fernlings for Re-sale	200	-
Paper & Printing for Newsletters	139	103
Donation to Burrendong Arboretum	50	-
Stationery	44	36
Postage of Correspondence	26	-
Bank Charges & Money Orders	13	11
Expenses of Book - to be published		71
Total Payments	<u>786</u>	<u>521</u>
Surplus for Year	<u>144</u>	<u>373</u>
<u>Summary:</u>		
Cash at Bank 1 December 1991		\$1,826.60
Add Surplus for Year		<u>144.38</u>
Cash at Bank 30 November 1992		<u>\$1,956.38</u>

The above financial statement was prepared by our Treasurer Joan Moore. Thank you Joan for looking after our funds so well.

FORTHCOMING EVENTSIN THE MID NORTH COAST OF N.S.W.Weekend 20/21 March 1993, Outing to Dorriago

Note this is one week later than originally planned - thanks to the election. Steve is doing the organizing so for all enquiries phone (066) 56 1937.

IN THE SYDNEY REGIONSunday 21 March 1993, Meeting at Turramurra

Meet at the home of Pam & Max Hill, 8 Denman Street, Turramurra. Study session and meeting at 11 am sharp, Peter is to discuss "Collecting in North Queensland". The session "A Members Fern" will be presented by Pat Kenyon. Enquiries to Max 44 2062

Saturday 24 April 1993, Outing to Kareela

Meet at 10 am at Joseph Banks Native Plants Reserve, Manooka Place, Kareela. Leave Highway at Bates Drive, turn left at Al-pita Street, left to Garnet Road then left into Manooka Place. Apart from the ferns there is a varied collection of plants to be enjoyed. There are good barbecue facilities should you want a change from sandwiches, hot water supplied. Enquiries to Moreen 528 4881.

Sunday 16 May 1993, Meeting at Kenthurst

Meet at the home of Betty and Eric Rymer, 48 Annangrove Road, Kenthurst. Study session from 12 noon on the genus Christella. Rose Bach will tell us about "A Member's Fern". Enquiries to Betty 654 1831.

Saturday 5 June 1993, Outing to Lawson

Meet at Lawson at the Soldiers Memorial from 9.30 for 10 am sharp start for walk to Adelina and Federal Falls. Among the many ferns hopefully we will find Blechnum gregsonii. Late lunch at cars. Enquiries to Peter 625 8705.

IN SOUTH EASTERN QUEENSLANDSaturday 20 March 1993, Visit to Mt Tambourine

Note Saturday - meet 9.30 am at the car park THE FERN FARM, Mt Tambourine for a nursery visit.

Sunday 23 May 1993, Visit to Canungra

Meet 9.30 am at the cottage at Glen Wither, Canungra, for an excursion to virgin rain forest area. Directions as per folder provided.

Sunday 6 June 1993, Visit to Maleny

Tentative date for visit to Maleny.

For further information on any of the South Eastern Queensland outings - contact Irene Cullen - (07) 341 4272.