THE FERN SOCIETY

OFVICTORIA

Inc.

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NEWSLETTER

VOLUME 9, NUMBER 8, 1987

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PRESIDENTS REPORT.

As we move into our ninth year we unveil the new cover photograph for our newsletter. We thank Mary & Garnet Frost who supplied the photo and also Val and Dick Ralph of Snap Instant Print for the format and production.

We have just a few of our first edition Society glasses with Adiantum Capillus Veris motif remaining at \$3.00 each.

It is with disappointment that I acknowledge our inability to fill the vacant positions of secretary and two Committee members. Our committee is functioning well and we will endeavour to manage for the present.

Soil Test.

Terry Turney has offered to do a soil test for members so if you wish to avail yourself of this service bring about half a cup of your potting mix and Terry will have information for the following meeting.

Victorian Garden Festival, Royal Exhibition Building, Wednesday September 30th and Sunday October 4th.

As this is one of the premier garden shows in our state our committee has decided to be represented. This will take quite a lot of work so please keep these dates free and bring along a few ferns for display. Free passes will be available for members who will give a few hours manning our stand J in the annex which should be ready to receive ferns for display by 1 p.m. on Tuesday Sept. 29th; for further information please ring Derek Griffiths or myself. (Phone no.'s page 2)

Special Effort Winners.

- 1. Iris Russell
- 2. Gloria Tinker
- 3. Otto Binder
- 4. Mavis Potter

- 5. Otto Binder
- 6. Otto Binder
- 7. Derek Griffiths
- 8. Gloria Tinker

Congratulations all.

Half a century of Fern Growing.

The following extract from Laifs Fern Journal coincides closely to my feelings towards ferns and their culture. From the book Hardy Ferns by Reginald Kaye British Fern Nurseryman "I have spent over fifty years growing alpines, all kinds of hardy plants, greenhouse plants.

THURSDAY • SEPTEMBER 17• the herbarium

CHRIS GOUDEY

FERN STUDY NIGHT

orchids, have dabbled with cacti and succulents; and looking back, I can say with sincerity that growing hardy ferns has given me the greatest pleasure. I trust that I may have succeeded in infecting my readers with the desire to grow these delightful plants."

We remember Mac Gregory our editor in hospital at this time and wish him a speedy recovery to good health.

Kindest regards.

Keith Hutchinson.

ANGAIR WILDFLOWER SHOW 26 - 27 SEPTEMBER 1987.

ANGAIR (Anglesea and Aireys Inlet Society for the Protection of Flora and Fauna) will hold its Annual Wildflower Show on Saturday 26th September from 10 a.m. to 5.30 p.m., and Sunday 27th from 10 a.m. to 5 p.m. at the Anglesea Hall in McMillan Street.

There will be excursions to selected locations in Anglesea's renowned coastal heathland and woodland wildflower areas.

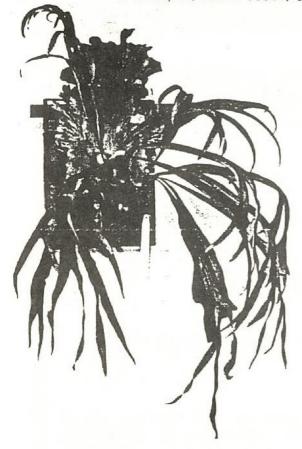
Displays of local and interstate wildflowers, a mammal display, natural history books, paintings by Australian artists, a display for children and art and craft sales are among other attractions.

Admission is \$2.00 adults, \$1.00 for pensioners, and 20 cents for children (children free if accompanied by an adult).

Further information may be obtained from Mr. Pat Denham, 9 Purnell Street, Anglesea 3230 Phone (052) 631380

A NEW VARIETY OF PLATYCERIUM BIFURCATUM (CAV.)C.CHR. SSP. WILLINCKII (T. MOORE) HENNIPMAN & ROOS

RALPH H. HUGHES 1546 Del Rio Drive, Fort Myers, Florida 33901, USA



Platycerium bifurcatum ssp. willinckii 'Venose frond'

The purpose of this paper is two-fold:
(1) a report on extension in the natural range of P. bifurcatum ssp. willinckii from Indonesia to North Queensland, and (2) wherein collected plants indigenous to Australia were found to be significantly different from those occuring in Indonesia.

The new clone in cultivation is described as follows:-

Platycerium bifurcatum spp. willincki 'Venose frond'. Epiphytic, growing in clusters. Roots much branched. variable, like those of the species. Base or shield fronds resembling those of the subspecies. Normal or fertile fronds prominently venose, nodding, becoming longer and more pendant with age than the species, but less decumbent than the subspecies, the ultimate divisions typically narrow, strap shaped, forking two or three times, up to 30 cm long and 2 cm wide, or short, wedge shaped and obtuse, the upper surface typically blue green and the underside covered with white stellate hairs having a brown center. Sporangia mostly wanting. (See Photograph)

The epithet describes a conspicuous feature of the fern. Its' venose foilage (fertile) fronds display conspicuously

ribbed strands of vascular tissue mostly parallel the length of the frond, these comprising grooves on the upper side and ridges on the under surface. Other distinguishing characteristics are its gracefully arching, dark, bluish green foilage fronds, and ultimate segments of which are usually short, very wide and obtuse, and its deep incisions on the upper margins of base fronds.

The P. bifurcatum group when grown from spore has a history of poor survival and slow growth. Length of growth cycle to adult size is 4-5 years and to produce spores is 6-10 years - the losses occurring mostly the second year. Accordingly, evaluation was hampered by losses in 1986 of plants from spores planted 2/85, these comprising straplike leaves 8 to 12 cm in length. Even so, all individuals were identifiable with the parent. However, any likelihood of finding a superior offspring was hampered by the lack of mature spore-grown progeny.

Growing imported plants, i.e., divisions or "pups" with live foliage fronds 30-40 cm in length, was relatively easy and similar to others of the species grown outdoors in southwest Florida. Following the third annual growth cycle in cultivation, the foliage fronds, mostly lacking sporangia, measured 40 to 80 cm long and base fronds 20 to 40 cm in height.

According to a resume of several observers (per comm), distribution is limited to very wet mountain ranges near Mt. Lewis, Mt. Fraser and Mt. Spurgeon inland from Cairns and Cooktown. Habitats most frequently occur in tropical rainforests 700 to 1000 above sea level where variations in temperature and humidity during a day are greater than variations

of monthly means, and drought periods coincide with the cool season of the year. P. birurcatum ssp. willinckii 'Venose frond' often grows exposed to the sum on lofty branches of emergent trees, but within its range also occurs in shade of relatively open forests.

Because propagation from spores is difficult and plantlets or pups are produced freely by adult plants, the new variety is best propagated vegetatively. The pups are easy to grow and may be expected to continue to thrive with ordinary care prescribed for the species (Hughes 1984). While completion of the growth cycle from planted spore at hand is awaited, habit in cultivation may be expected to portray characteristics distinct from the species and subspecies.

Reference:

Hughes, R.H. 1984 Platycerium bifurcatum in the wild and in cultivation Fiddlehead Fourm 11 (4): 17-21.

* * * * * * * * * * *

SPEAKER REPORT - ANNUAL GENERAL MEETING, 11TH AUGUST, 1987.

SPEAKER: DOUG THOMAS - TITLE: "What to do about Ferns" the booklet illustrated.

Throughout this talk, Members were made aware of the necessity to observe, study and learn about the needs of ferns from a great teacher - Mother Nature.

We were shown colour slide photographs of many native Australian ferns growing in their natural habitats. In each of these, the special preferences of ferns were emphasised. Such elements as humidity, protection, terrestrials, epiphytes, leaf mould, mosses, lichens, dust, moisture and tree fern fibre were among those given prominence.

Ferns with special preferences were shown, among which were Asplenium trichomanes (common spleenwort) beautifully established in a fissure of solid limestone and Lastriopsis hispidum (bristly shield fern) also beautiful in its preferred medium of half rotted tree fern trunks.

The elements of nature were highlighted at intervals by the insertion of slides describing Australian native wildflowers, birds, and even a mountain grasshopper laying eggs.

Later we were shown how the teachings and elements of nature can be used in caring for the ferns in our own collections. In this section the slides followed the sequences described in the Society's booklet "What to do about ferns". The exercises dealing with potting mixes, root divisions, re-potting, hanging wire baskets, maintenance, ferns in a glass case and making a fern garden were all presented.

In addition a sequence of slides were included which described a miracle which Mother Nature performed 400 million years ago. i.e. the production of spores in ferns and the fertilization process arising from the prothallus. Simulating the habit of Platycerium veitchii (silver elk) to grow on huge boulders was also screened using a terra cotta flower pot as an alternative "boulder".

President Keith Hutchinson ably moved a note of thanks to Doug which members supported by their acclamation.

ANNUAL REPORT OF THE COMMITTEE OF MANAGEMENT 1986-87.

Our year commenced with a Gala evening to celebrate the release of Betty Duncan and Golda Isaacs excellent fern book. Highlights to follow were Michael Garrets presentation of Ferns of Tasmania and talks by our society members, Barry Stagoll, Bill Taylor, Joel Macher and Chris Goudey, again proving the depth of talent within our Society.

The high standard of our Annual Fern Show and extremely enjoyable excursion to Tasmania planned so well by Chris Goudey were memorable events and slide presentations of these and our earlier excursion to Central Victoria last year added interest to our monthly meetings.

Our Christmas meeting at Ripponlea although starting out with a storm ended the year on a high note as after inspecting the progress of the many ferns donated by members to the reconstructed Ripponlea Fernery we were given permission to have our meeting in their magnificent ballroom.

During this year we tried to vary our meetings with speakers from C.I.G. using gas in pest control - M.M.B.W. Drip Water Systems - Decor Corporation, Water Wells - Timber Advisory, building ferneries. Although these proved very informative it is my hope that during the coming year we may move the accent towards more fern study nights.

Committee.

Our committee functioned extremely well with excellent attendance at all meetings.

Derek Griffiths our secretary has shown enormous enthusiasm in this position, always looking to make our society more effective and enjoyable. Derek retires from our committee after two years of dedicated work and we thank him most sincerely.

John Oliver our senior vice-president and computer expert keeps our mailing system up to date assisting in many ways including that of property steward.

Albert Ward our treasurer has again kept our finances in a healthy and orderly state.

David Radford our Minute secretary and Librarian does an extremely thorough job of these positions.

Joy Horman and Margaret Radley our ever reliable door ladies and special effort organizers contribute in many ways.

Terry Turney has recently taken charge of fern sales with Bernadette Blackstock and John Hodges assisting and also performing the many tasks needed to keep our meetings running smoothly. I extend many thanks to these members.

Peter Goschnick our Junior vice-president retires after two years service but will continue as our slide bank manager. Peter contributed some excellent material to our newsletter and I would thank Peter also.

Doug Thomas our past president and most recent life member has again contributed enormously to the success of our Society. His willingness to travel quite long distances even during our cold winter weather to represent our society as Guest Speaker amazes me. Doug also transcribes the talks by Guest Speakers at our meetings for our newsletters and his excellent book "What to do about ferns" quickly sold out its first publication of 500 and I'm pleased to say has been reprinted and now available again. I could not forget Doug's wife Ella who quietly and ably assists Doug to serve our society in so many ways, I thank both Doug and Ella most sincerely.

Bob Lee and his show committee worked tirelessly to ensure the success

of our biggest event of the year. Our Fern Show at Nunawading, was again worthy of our society. In fact it proved to be our finest yet and will be very difficult to improve on next year. Well done show committee.

The following members although not elected to our committee of management have fulfilled a very important role in the workings of our society.

Newsletter.

Editor Mac Gregory with typist Maureen Verhagen and the mailing team of Margaret Radley, Kath Brown and Jean Trudgeon have firmly established this excellent publication so important to the many members unable to attend our meetings.

Book Sales.

Manager Barry White has kept members well served in this area.

Sporebank.

Manager Joel Macher has also looked after this service with meticulous care.

Fern Table.

Chris Goudey has extended great service in this most important aspect of our meetings, also Chris has again proved his wonderful talent in organizing society excursions like our Tassie trip.

Memebership Secretary.

Jean Trudgeon, Supper Hostesses Jean Boucher and Beth Ward, Maxicrop and Allied Product Sales Albert Jenkins and Bill Taylor. All have given time and effort to assist members. As I extend sincere thanks to all these dedicated people I know that it is their concern that our society continues to function in a friendly, helpful and happy atmosphere.

As we progress into 1988, our countries Bi-Centenary Year we can be proud of our achievements in just eight years. Let us continue to care for and enjoy the many unique ferns which are our heritage.

I thank all members for their attendance and support.

Your President,

Keith Hutchinson.

ASPLENIUM FLACCIDUM



Asplenium flaccidum - Weeping Spleenwort.

An epiphitic fern which grows on trees and occasionally on rocks in moist humid rainforest areas of eastern Australia, Tasmania and New Zealand.

The rhizome is short creeping, thick, clothed with purple black scales, stipes and base of rhachis dark below, green above, fronds pendent bipinnate, thick leathery bright green ultimate segments distant narrow, entire, up to 1 cm. long, one sorus per segment.

This fern grows well on a tree fern slab or in a hanging pot or basket filled with a coarse, loose mixture.

Lit. cited Aust. Ferns and Fern Allies Jones & Clemesha. Ferns and Allied Plants of Vic. Tas. and Sth. Aust. B. Duncan and G. Izaac.

SEPTEMBER

87 SPORE LIST

(N) INDICATES NATIVE AUSTRALIAN SPECIES

	ADIANTUM CAUDATUM(3-87) PERUVIANUM(6-86) POLYPHYLLUM(3-86)	TRAILING MAIDENHAIR SILVER DOLLAR
	RADDIANUM 'BRIDAL VEIL'(3-87) RADDIANUM 'CRESTED MAJUS'(3-87) RADDIANUM 'DELICATULUM'(3-86) RADDIANUM 'SRACILLIMUM'(3-87)	
	RADDIANUM (GRANDICEPS(3-87) RADDIANUM (GROSSUM(3-87) RADDIANUM (LADY GENEVA(3-86) RADDIANUM (LADY SUPREME(3-86)	
	RADDIANUM 'MATTHEWSII'(3-87) RADDIANUM 'VICTORIA S ELEGANS'(3-87) RADDIANUM 'WEIGANDII'(3-87)	
	AGLADMORFHA HERACLEA(6-87)	
N	ASPLENIUM AUSTRALASICUM(8-86)	BIRD'S-NEST FERN
N	BULBIFERUM(NATIVE)(1-87) OBLONGIFOLIUM(9-86)	MOTHER SPLEENWORT
N	OBTUSATUM(1-87)	SHORE SPLEENWORT
N	TRICHOMANES (1-86)	COMMON SPLEENWORT
	VITTAEFORMIS(3-87)	
	SP.(NIDUS?-W.IRIAN)('87)	
	ATHYRIUM SCHIMPERI(3-87)	
N	BELVISIA MUCRONATA(3-86)	NEEDLE FERN
	PLATYRYNCHES (6-87)	NCLDEC 1 LIM
	BLECHNUM CAPENSE (186)	
	DISCOLOR(*86)	PEGUN PEDN
N.I		CROWN FERN
N	FLUVIATILE (3-87)	RAY WATER-FERN
20	GIGANTEUM (3-86)	
N	MINUS(3-86)	SOFT WATER-FERN
N	NUDUM 'PULCHERRIMUM'(8-85)	
	SPICANT(3-86)	HARD FERN
	(4-87)	
N	WATTS11(2-85)	HARD WATER-FERN
N	WURUNURAN (9-84)	
	BOCB1715 CUSP1DATA(10-84)	
N	CHRISTELLA DENTATA(2-85)	BINUNG
	CIBOTIUM GLAUCUM(8-86)	HAWAIIAN TREEFERN
	SCHIEDEI(11-86)	MEXICAN TREE-FERN
N	CULCITA DUBÍA(4-86)	COMMON GROUND-FERN
	CYATHEA BROWNII (2-86)	
N	COOPERI(3-87)	COIN-SPOT TREE-FERN
N	CODFERI (BLACK SCALES)(2-84)	CDIN-SPOT THEE-FERN
N	COOPERT (GLAUCOUS) (186)	COIN-SPOT THEE-FERN
	DEALBATA (3-87)	SILVER TREE-FERN
N	LEICHHARÚTIANA (3-85)	PRICKLY TREE-FERN
	MEDULLARIS(3-87)	BLACK TREE-PERN
	SP.(NEW BUINEA) (2-86)	DEMON TIMEL FERIN
	SP. (VANUA) U) (6-86)	
		DELLY FEEL
	CIRTOMIUM FALCATUM(3-87)	HOLLY FERN
	FALCATUM & LARTOTIDEUM(186)	COST TUCCLEUGA
Ai	11 11 7 -1 31 1.1	To the second se

FIBRUSA(3-86) WHEKI-PONGA LANATA (186) SQUARROSA (3-86) WHENI BRISTLY TREE-FERN YOUNGIAE(S.QLD FORM)(6-85) DIPLAZIUM AUSTRALE (3-87) AUSTRAL LADY-FERN DORYDPIERIS FEDATA (2-87) HAND FERN BASKET FERN DRYNARIA RIGIDULA (4-86) DRYOPTERIS AFFINIS 'CHRISTATA' (11-85) CARTHUSIANA (2-85) NARROW BUCKLER-FERN CARTHUSIANA (CRESTED) (3-86) DILATATA (LEPIDOTA) (2-67) FILIX-MAS (CRISTATA) (3-86) FILIX-MAS 'GRANDICEPS' (3-86) GYMNOSORA 'ANGUSTATA' (4-85) INEQUALIS(4-87) SIEBOLDI (3-85) SP. (KOREAN CROWN-FERN) (3-86) RUDDY GROUND-FERN HYPOLEPIS RUGOSULA(3-87) PUNCTATA (3-86) DOWNY GROUND-FERN LASTREOFSIS ACUMINATA(11-85) SHINY SHIELD-FERN CALANTHA (3-86) LUNATHYRIUM JAPONICUM(4-87) JAPANESE LADY-FERN MICROLEFIA SPELUNCAE (3-86) STRIGOSA(2-87) PAESIA SCABERULA (7-86) RING FERN PELLAEA FALCATA NANA(11-85) DWARF SICKLE-FERN ROTUNUIFOLIA(2-87) BUTTON FERN GOLD-DUST FERN PITYROGRAMMA CHRYSOPHYLLA(3-86) PLATYCERIUM BIFURCATUM(3-87) ELKHORN FERN HILL11 (4-86) - NTH QLD ELK HOLTTUMII (4-84) RIDLEY11(11-85) -WILLINKII 'PAYTON' (?) SP. (TIMOR) (187) POLYPODIUM FORMOSANUM (9-86) GRUB FERN VULGARE (4-86) COMMON FOLYFODY POLYSTICHUM AUSTRALIENSE (3-85) ECHINATUM(2-87) BROAD SHIELD-FERN FORMOSUM (3-87) LONCHITIS (3-85) HOLLY FERN MAKINOI(3-85) POLYBLEPHARUM (3-85) PROLIFERUM (11-85) MOTHER SHIELD-FERN RETHOSO-PALEACEUM (3-86) SETIFERUM 'FALCATUM DYCE' (3-86) SOFT SHIELD-FERN SOFT SHIELD-FEHN SETIFERUM / GRANDICEPS" (3-85) SETIFERUM 'ROTUNDATUM' (10-85) SOFT SHIELD-FERN WHITELEGII (5-85) SP.(ASIA)(3-85) PTERIS BIAURITA (3-86) COMANS (2-85) NETTED BRAKE CRETICA (2-85) CRETAN BRAKE CRETICA 'PARKERII' (3-87) SILVER BRAKE QUADRIAURITA 'ARGYRAEA' (3-87) TREMULA(3-87) TENDER BRAKE TRICOLOR(3-87) PAINTED BRAKE CHINESE BRAKE VITTATA (3-87) QUERCIFILIX ZEILANICA(10-85) DAK FERN RUMOHKA ADIANTIFORMIS (CAPE FORM) (3-87) LEATHER FERN ADIANTIFORMIS (NATIVE) (11-85) LEATHERY SHIELD-FERN WOODWARDIA FIMBRIATA(186)

SOFT TREE FERN

DICKSONIA ANTARCTICA (3.87)

> INDICATES NATIVE AUSTRALIAN SPECIES



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UPWEY & DISTRICT GARDEN CLUB.

Carnival of Flowers & Hanging Baskets exhibition.

Upwey Community Hall, Monbulk Road, Upwey. October 10th & 11th 11.00 a.m. to 5.00 p.m.

Victorian Garden Festival

Royal Exhibition Building Wed. 30th Sept. - Sun. 4th Oct., 1987

Displays & Features.

Kitchen Garden Cottage Garden Native Garden Fern Display Herb Display Landscaped Garden Let's Grow Garden Club with Glen Heyne Australian Institute of Horticulture (advice) Australian Horticultural Correspondence School

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DIARY DATES.

VENUE - HERBARIUM - BIRDWOOD AVENUE, STH. YARRA.

SEPTEMBER MEETING - THURSDAY 17TH 8 P.M.

CHRIS GOUDEY - FERN STUDY NIGHT

OCTOBER MEETING - THURSDAY 15TH, 8 P.M.

NOTE: In the event of a power strike on the evening of any meeting, we regret that the meeting must be cancelled.

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