



NEWSLETTER Issue 58 March 2023
HAPPY ANNIVERSARY!

Chair's Note

Dear Friends

Happy Anniversary and CONGRATULATIONS to our 2022 Volunteer Award Winners!



The 10th anniversary of the opening of the Arboretum coincides with the 15th anniversary of the Friends and we can reflect on our support of the Arboretum with pride!

Scott Saddler AM, Sherry McCordle-English, Trish Keller OAM, Jon Stanhope AO, John Mackay AM and Jocelyn Plovits at the recent Dawn celebration on Dairy Farmers Hill to mark the 10 year anniversary of the opening of the Arboretum.

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Chair's Note Continued

The Friends' involvement has grown from the early days of information sessions in pop-up marquees, bus tours around the site and gold coin donations collected in buckets on Open Days, to funding projects such as the Dairy Farmers Hill Friends Garden, the Friends Shelter, the Ngala bus and the Central Valley Garden.

As you know, we the Friends are passionate advocates of the Arboretum and on this anniversary we are reminded of the privilege we enjoy collaborating with Arboretum staff and providing practical support through our volunteering and fund raising activities.

Very recently and very early on Wednesday 1 February I attended the 10th anniversary celebration of the Opening of the Arboretum on Dairy Farmers Hill. We caught the sunrise at around 6.15 am. It was a pleasure to listen to Jon Stanhope AO reminiscing on the early days of the Arboretum. It was also a pleasure to meet up again with previous Chairs, I'd like to say old chairs, but I won't!...Jocelyn Plovits and Sherry McCardle-English.

And way back on 2 February 2013 I attended the spectacular dawn ceremony to mark the opening of the Arboretum. On this occasion Regional Australia Minister Simon Crean said that 'this project is of great historical significance. Today marks the realisation of a concept first envisioned in Walter and Marion Burley Griffin's plan for Canberra which was to establish an international arboretum to the west of the lake. No attraction in the ACT complements the idea of "bush capital" and garden city better than the Arboretum.'

Ten years down the track since these words were spoken at the opening of the Arboretum, the Friends have employed a company, SRH, to shape an Oral History of the Arboretum. This compilation of video snippets and multiple voices of people intimately involved in the establishment of the Arboretum have been woven together to form a coherent story resulting in the Oral History.

This piece of Arboretum history will be launched at the 10th Anniversary Gala Celebration Dinner on 5 May in the Village Centre. Another project funded by you, the Friends of the National Arboretum Canberra. I look forward to seeing you at this special celebration event.

I would also like to congratulate all the Volunteer award winners of 2022:



Through their work across the Arboretum they symbolise the commitment and enthusiasm of the Friends working together to promote and enhance the Arboretum and its many facets. The award winners included:

Volunteer of the Year 2022

Colette Mackay OAM



Colette was the initiator of the very successful Harvest Group and has been an indispensable team leader, coordinating and managing the many successful Harvest Stalls held at the Arboretum. Colette has been pivotal in the annual fig harvesting and coordinating many volunteer cooks to make preserves, chutneys, and jams from the fresh produce. The Harvest Group, under Colette's leadership, has raised well over \$14,000 per annum that goes towards supporting Arboretum projects. Colette led the Harvest team and the Wollemi Pine tree project. Colette regularly speaks to media to promote the work and projects of volunteers at the Arboretum.

Colette Mackay OAM, Special Minister of State Chris Steele MLA, Scott Saddler AM, Executive Branch Manager Arboretum, and Trish Keller OAM

2022 Sterling Service Award Winners:

Meryl Causebrook	Guide at the Arboretum and in The National Bonsai and Penjing Collection
Paulene Cairnduff	Development of the Rocky Knoll, part of the First Canberra Garden Club
Peter Dugard	Processing Wollemi seed and helps seed cone bagging every year
Lindy Dugard	Guide in The National Bonsai and Penjing Collection
Viki Fox	Guide, Working Bees and School Holiday programs for over 10 years
Alison Purvis	Guide and ACT Frogwatch Coordinator
Jocelyn Fitzhardinge	Guide Ngala tours and Ngala bus driver as well as Forest walks
Jan Morgan	2022 Warm Trees Convenor and developed the U3A course on Forests of the Arboretum
Vicki Woolley	Thursday Working Bee coordinator and volunteer, and senior volunteer in The National Bonsai and Penjing Collection
Sue Wright	Harvest Group and Discovery Garden volunteer

It also gives me great pleasure to let you know Jake Bamblett is the recipient of the 2022 **Jake Keller Scholarship**. The scholarship is awarded to an outstanding CIT horticultural student and offers financial assistance as well as a work experience placement at the National Arboretum Canberra. The Jake Keller scholarship was founded in memory of Jake Keller, Foundation Member of the Arboretum. This scholarship links his two passions, the National Arboretum Canberra and education.



Jake Bamblett with Trish Keller OAM



Jake Bamblett, Special Minister of State, Chris Steele MLA, Scott Saddler AM Executive Branch Manager Arboretum and Trish Keller OAM

Kind regards to you all and see you soon at the Arboretum!

Regards Trish
Trish Keller OAM
Chair, Friends of the National Arboretum



The incredible bogong moth

At the request of the Ngunnawal elders, the bogong moth – bugang in local language – was the main feature of the Warm Trees 2022 display. This is a brief overview of this amazing insect, its importance to indigenous peoples, its valuable role in the environment and its crash and possible recovery.

Bogongs - a miracle of nature

Bogong moths are truly amazing. They are small, weigh only a third of a gram and have a wingspan of around 50 mm. Yet they are capable of a long-distance flight of over 900 km, twice a year! They breed and larvae hatch in autumn and winter in southern Queensland and western NSW.



Photo: Jean-Paul Ferrero/AUSCAPE

In spring they turn into moths and migrate south to the Australian Alps, sensing the earth's magnetic field and also using the stars and landmarks. They then spend the summer in 'lockdown' in caves and crevices to escape the heat. This summer form of hibernation is known as aestivation. At the end of summer, they fly back home to breed and the cycle starts over again. Canberra residents may well remember seeing large numbers of bogong moths in the past. It is estimated that some swarms could have as many as 8 billion individual moths.

The moths are a food source for birds, reptiles, frogs, and mammals such as the critically endangered mountain pygmy-possum. The moths also have a role as pollinators as they are nectar-eaters, and thus contribute to the reproduction of our native plants including eucalypts, tea tree, grevilleas and correas.

Bugang – the indigenous story

The bugang represents change - a metamorphosis from a grub to a beautiful free bogong moth – a long journey and the freedom to be renewed again. The bugang is an important part of the ecosystems for the Ngunnawal people. The bugang was an important source of protein for when Ngunnawal people hosted gatherings. Those gatherings were for when Ngunnawal invited their neighbours: Gundungarra, Yuin, Ngarigo and Wiradjuri mobs for important business to be conducted, including weddings. Much dancing and feasting on the many food sources across the Ngunnawal Nation were a highlight of these gatherings.

The catastrophic decline

In 2017 the number of moths crashed by an estimated 99.5% and in December 2021 it was classified as endangered by the International Union for the Conservation of Nature (IUCN). The main reason was probably the prolonged drought, not helped by the increased use of pesticides, and increased light pollution from cities such as Canberra and Sydney.

And tentative signs of recovery

Good news – according to a recent report by the Australian Conservation Foundation, bogong moth numbers seem to be increasing across their migratory range. And the number of caves on Mount Gingera in the ACT occupied by the moths are close to the numbers from before the crash. The full report is available at <https://www.acf.org.au/publications>

Jan Morgan
Warm Trees Convenor 2023

Chat with Cally

Dear Friends

What a whirlwind of excitement and activity the Arboretum has been since my last update to you.

After our end of year event thanking our wonderful Volunteers and Friends for your invaluable support throughout the year, we had a very busy holiday period with lots of visitors from out of area, including overseas once more! Our visitor numbers increased by six per cent on last year for this period. In addition to visitors being able to visit Australia, many of our volunteers have travelled overseas to reconnect with family and to see exciting parts of the world, including the Galapagos Islands – what a joy it is to enjoy the things once again we missed during the pandemic.

The Ngala bus was a highlight for many visitors to the Arboretum, our tours have been very popular with two tours running on weekends and public holidays. If you are interested in helping with the delivery of tours, we are looking for volunteer bus drivers (which is a very enjoyable way to enjoy a tour of the Arboretum in great company!) Our regular tours run from 1.00-1.45pm Wednesday to Sunday, and 1.00-3.15pm on weekends and public holidays, if you're interested in getting involved, please get in touch with me!

A huge thank you to all our volunteers for welcoming our visitors to the Arboretum, tours and the National Bonsai and Penjing Collection throughout the holidays. Our visitors are consistently impressed with the Arboretum, the level of service and interpretation they receive and your help during this very busy period is greatly appreciated, as well as each and every day!

The new year has brought with it the opportunity to celebrate the Arboretum's tenth birthday with a range of events, the most recent being Kite Fest of 12 February. The day was a huge success with over 8500 visitors across the day and the Amphitheatre was brought to life with families picnicking and flying kites.



Thank you to our kite making volunteers for your assistance with the event, there were 241 kites made during the workshops in the Margaret Whitlam Pavilion – what an achievement!

Our next birthday event is Amplify – being held on 25 February. We're very much looking forward to enjoying the event with our volunteers and visitors. My next update will include some highlights. There are more events to take place throughout the year and I look forward to celebrating this very exciting milestone with our Friends, Volunteers and community throughout 2023.

Volunteer activities are back in full swing, with working bee sessions commencing in February with pruning of the Silk Trees, Trident Maples and Lancewoods. There has also been quite a bit happening with the Harvest Group as Maggie Hawes and Ange McNeilly take on volunteer coordination for their many activities. Owen Bolitho has supported Ange and the team with safety and process upgrades to the service court, and Maggie and team are eagerly awaiting the ripening of the figs. A year's supply of jars have been delivered to house the group's delicious jams, chutneys and preserves! There are opportunities to support the Harvest Group with the Kitchen Garden, fig picking, cooking preserves and Harvest Stalls. If you're interested in getting involved with any or all these activities, please get in touch with me.

You may have been lucky enough to see the incredible Wollemi trees in the Village Centre made possible by the Friends' Wollemi project. Ange McNeilly has been onsite with the trees to facilitate purchases. The trees are a wonderful, advanced size and would make a special addition to your home garden or courtyard. If you'd like to find out more about the trees and this unique opportunity to own your own special part of the Arboretum, the Friends would be only too happy to help you!

We have also had our first ceremonial tree planting for the year. As part of a two-day visit to Canberra, the Crown Princess Victoria and Prince Daniel of Sweden accompanied by Mr Johan Forssell, Minister for International Development Cooperation and Foreign Trade were welcomed to the Arboretum by Joy Burch MLA, Speaker of the ACT Legislative Assembly.



Starting at Dairy Farmers Hill, Their Royal Highnesses took in the sweeping views across Canberra where Scott Saddler AM, Executive Branch Manager National Arboretum Canberra and Stromlo Forest Park, gave an introduction to the National Arboretum and pointed out several of the highlights such as the iconic Nest III sculpture.

Their Royal Highnesses were then invited to plant a Scotch pine *Pinus sylvestris* 'Argentea' along the zig zag path in the Central Valley which will serve as a living reminder of the friendship between Sweden and Australia.



An easy walk from the Village Centre, the Scotch pine with its distinctive blue needles will form part of a shady walkway through the Central Valley that represents Australia's strong international ties for all visitors to enjoy.

See you at the Arboretum – and don't forget to tell your friends that being a Friend entitles you to purchase an annual parking pass for \$35, entitling you to free parking– it's like being a VIP at the Arboretum every day!

Cally Earnshaw
Community Engagement Officer
cally.earnshaw@act.gov.au

Discovery Kitchen Garden & Harvest Group Update

Article and photos: Ange McNeilly

Discovery Kitchen Garden



The warmer temperatures during the past few months have done wonders for the garden whose plants are now flourishing, including vegetables such as tomatoes and chillies. However, despite their numerous flowers, the scarlet runner beans and eggplants have been slow to set fruit. An anecdotal remedy to assist

scarlet runner beans to set fruit is to spray the flowers with water which we have done without great success. As with last year, this year's harvest will be also be reduced compared to previous years. The cheerful sunflowers (above) are attractive to both adults and children, who also enjoy finding ripe strawberries to eat and which have been abundant this year, but you need to be quick!



The garden volunteers do a tremendous job keeping the garden well watered and looking good throughout the year. The team currently has 12 members as Maddie is travelling this year and Danielle has been in Singapore since late last year (thus the Harvest Group has lost one of its reliable cooks). New members are always welcome to come and spend a few pleasurable hours each week in good company whilst getting their “hands dirty” at this spectacular location!

Another wonderful aspect about working in the garden is conversing with visitors about their own gardening experiences and exchanging information and tips. It is amazing how many people do not know that sweet Alice or alyssum flowers are edible and that the plant belongs to the brassica family. While the flowers may smell like honey, they taste like broccoli so not to everyone’s taste! Earlier in the season, the nasturtiums were attacked by tiny green caterpillars eating the leaves which is exactly their purpose as “trap plants” in companion planting so that the

white cabbage butterflies do not lay their eggs on the more prized vegetables in the garden. **Above: Volunteer Julie tending the garden.**

On February 10, Horticultural Manager, Owen Bolitho, delivered on his earlier promise to purchase and set up shelves in the service court and to assist with repotting the plants into uniform pots. Owen spent the whole day consolidating and repotting the propagated seedlings. Whereas in the past various types of recycled pots have been used, Owen recommended using uniform pots to standardise the look



of the seedlings, making them more attractive for sale. Many thanks to Owen for his time and effort on such a hot day which was greatly appreciated.

The transformation that happened in a day from unstable metal shelves (left) to very robust shelves and uniformly potted plants (right). The area is now easier to maintain and keep clean.



The Horticulture Team harvested the English lavender in the Sensory Garden on February 17, filling two garbage bins. The delay in the timing of this harvest, which in previous years

usually occurred in late December to mid-January, was so that visitors could enjoy for a longer period the beauty and heady fragrance of the flowers and the myriad busy bees. Some of the harvested lavender will be dried for packaging while some will be given for experimentation to make lavender oil using an alembic copper still. If successful, then lavender oil may be a new item for sale at future market stalls.

Harvest Group



From left: Lorraine, Christine, Sue, Janet, Colette and Ange at the ANG

At the 2022 Volunteering Awards presentation evening held at the National Gallery in December, the Harvest Group were awarded a Certificate of Recognition “for outstanding voluntary service in the Canberra region”. Many thanks to the Arboretum for the nomination. As you may already know, the Harvest Group is a highly dedicated group of the Friends whose fundraising and promotional efforts have supported the Arboretum since 2016. Their activities are successful and lots of fun.

Colette Mackay OAM (left) received a Certificate of Appreciation and the Volunteer of the Year Award 2022 for her many years of devoted service to the Friends and as Team Leader of the Harvest Group which has raised many thousands of dollars to support the Arboretum

Colette has resigned from her role as Harvest Group Team Leader leaving big shoes to fill! Maggie Hawes has stepped up to take on the roles of managing the fig harvests and the market stalls. Maggie has been very much a part of these activities so has the knowledge and experience to undertake these roles.



The fig harvest season is starting late this year and the yield is yet uncertain (especially if there are early frosts). Last year's bumper crop produced 350 kilos of figs and some of the preserves from this harvest are yet to be sold.

An opportunity to buy them will be at the Harvest Day Out market stall at Lanyon Homestead on March 4 from 10am to 4pm where the Harvest Group will also sell Wollemis, plants, seeds and herbs as well as promoting the Friends. A market stall may also be held at the Arboretum in March or April where fresh figs will be offered for sale so keep an eye on the websites for more details.

The pre-Mother's Day market stall this year is to be held on **Sunday May 7**, from 10am to 2pm at the Arboretum. Make a note in your diaries as this will be a great opportunity to buy some unique, delicious and locally produced items whilst supporting the Friends and our beloved Arboretum. Check out the websites for more details closer to the date.

The FNAC Wollemi Pine Propagation Project

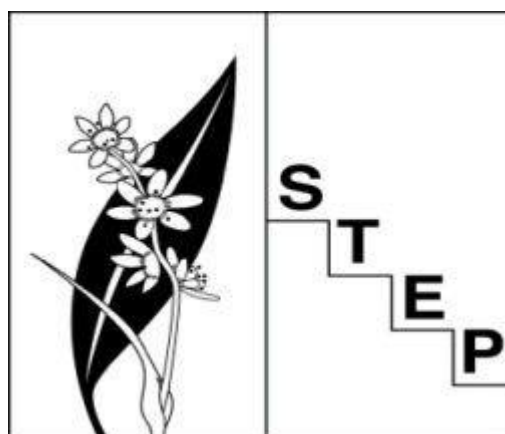


This is the third and final year of this exciting pilot project and your opportunity to own an amazing locally grown "living fossil". Some of these incredibly healthy and robust trees are being displayed at the Arboretum's Visitor Centre Front Desk for visitors to see how beautiful they are and the difference in height between the 200mm and 300mm trees available for sale. Happily, the cost of the project will be covered with a small profit realised.

Marketing opportunities are being pursued with some success and meetings have taken place with the Yarralumla Nursery and the Arboretum to discuss the winding up of the project at the end of May, a payment schedule, and options should any trees remain unsold. This project has revealed a previously undocumented growth phenomena that will be of scientific interest for future Wollemi horticulture. Above: Lyn and Mike inspecting Wollemi at the Yarralumla Nurser

News from STEP – Southern Tablelands Ecosystems Park Forest 20

Hello- as the new president of STEP, I would like to sincerely thank our outgoing President, Judy Smith, for her commitment and service to the role over the last several years. Judy will remain on our committee and continues



to attend our weekly working bees, so we will continue to benefit from her experience and knowledge.

I am a relative newcomer to STEP, having started as a working bee volunteer in 2019. At that stage we were still in “peak drought” – much of our focus was on keeping plants alive by bucketing water and using water crystals in the holes of any new plants we put in. How different it is now!

We are still tree planting and have a dedicated team sourcing replacement plants for those which have perished due to flooding and waterlogging over the last two *la Nina* years. The mantle of weeds is slowly being cleared and in its place newly-mulched beds full of tree guards and young plants are emerging. This has involved a huge effort from our volunteers and the assistance we receive from the horticulture staff at NAC is much appreciated.



Fortunately, there have also been some welcome tree recoveries, such as the Kurrajong or *Brachychiton populneus*. We thought that we had lost our large specimens, as they had been sitting in permanently waterlogged soil and dropped all their leaves. It was a lovely surprise to see them spring into rosy-red foliage again and I am optimistic that they will now survive. Here's hoping!

Other plantings that are doing well are the Acacia species along the southern edge of the Wattle Walk, plus the moisture-loving species down in the Ephemeral Wetland. We have a new specialised garden around the top entrance which showcases members of the pea family (Fabaceae)- the area will be stunning in spring and has been named the Parade of Peas. This, along with our new Gallery of Grasses adjacent to the western boundary road, add new educational spaces to complement the pre-existing Eucalypt walks, Bush Tucker Garden, Central Display beds and Casuarina Nook.

We encourage everyone to come down and pay us a visit! We hold our working bees on Thursday mornings and we would be happy to show a group of NAC Friends around if they give us some prior notice.

Thanks and regards

Jane Cottee
President STEP



National Bonsai & Penjing Collection of Australia

National Bonsai & Penjing Collection of Australia



B R
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Bonsai Reshaped is an annual celebration of the art of bonsai at the National Bonsai & Penjing Collection of Australia.

This year we welcome internationally recognised bonsai artists Jennifer Price from the USA and Nik Rozman from Slovenia as our guest artists to share their expertise and enthusiasm through workshops and live demonstrations.

Bonsai After Dark

Live demonstrations, tours, auctions and much more

Bonsai Workshops

For beginners to experienced

Bonsai Markets

Pick up everything you need to start or expand your collection

24-26
March
2023



A selection of trees from the National Bonsai & Penjing Collection of Australia have been expertly captured throughout the seasons in the ultimate bonsai coffee table book.

Order online today: www.thecuratoreum.com

Artist in Residence program

 Entries close 31 Jan

Establish personal connections, share your knowledge and learn new techniques in an exchange of ideas and mutual learning, with our annual Artist in Residence program.

Centenary Bonsai Prize 2023

 Entries close 1 Mar

To celebrate the centenary of Canberra as the nation's capital in 2013, Australian bonsai artists are invited to enter the Centenary Bonsai Prize. A prize of \$6,000 will be awarded and the winning tree will become part of the National Collection.

Bonsai Pot Acquisition Prize

 Entries close 15 Mar

Your challenge is to create a larger bonsai pot for an *Olea europaea*, European olive. Your chance to have your pot on display at the Collection and win cash prizes!



For more information, to enter or to secure tickets, visit our website: nationalarboretum.act.gov.au



National Bonsai
and Penjing
Collection of
Australia



NATIONAL
ARBORETUM
CANBERRA

What's New at The Curatoreum

This autumn, we'd love to share some new and noteworthy items that have arrived in store.

Hope to see you in store from Mel and the Team !

Grief and Beauty by Annie Franklin & Anita Patel. \$45



This beautiful, limited edition book by South-Coast artist, Annie Franklin and local poet, Anita Patel tells a story (in paintings and poems) of the impact of the 2019-20 fires. It portrays the changes in the forever-altered landscape, from the devastation of the flames to the brilliant colours of renewal. And it speaks of the astonishing hope that is found in nature and in the human spirit.

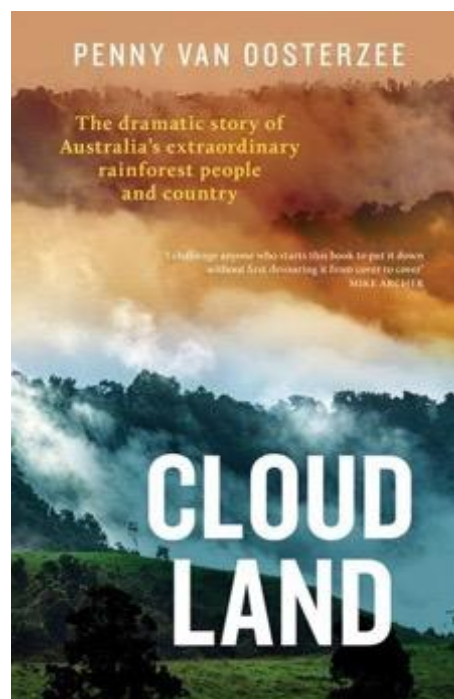
Franklin's exquisite paintings and Patel's lyrical verse chronicle an extraordinary time of profound grief and luminous beauty. We are thrilled to have signed copies of this book in store now.

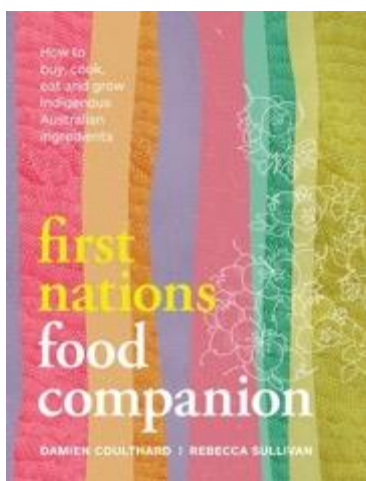
Cloud Land by Penny Van Oosterzee. \$34.99

On their property on the Atherton Tablelands, Penny Van Oosterzee and her husband are regenerating rainforest from paddocks, reconnecting fragments into a living corridor that will run to the Daintree and beyond.

Penny weaves this personal experience into a sweeping account of Australia's rainforests, from deep time to the legendary time of Australia's first peoples; from the killing times and maniacal destruction of the forests by European settlers, to the present time of growing awareness of forests as the life-force of the planet.

Cloud Land is an essential read for anyone interested in history, ecology or the cost of relentless development.





First Nations Food Companion: How to buy, cook, eat and grow Indigenous Australian ingredients By Damien Coulthard & Rebecca Sullivan. \$49.99

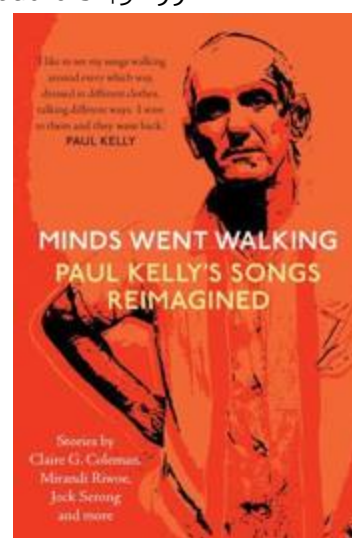
A groundbreaking celebration of the most accessible and popular Australian native ingredients and their uses in the everyday home kitchen. Including an informative guide to more than 60 Indigenous ingredients, including their flavour profiles, along with tips for how to buy, grow and store them. After that, 100 delicious recipes: all featuring native ingredients, and including tips for substituting regular pantry ingredients where needed.

Minds Went Walking: Paul Kelly's Songs Reimagined by various authors. \$32.99

For many of us, lyrics from Paul Kelly help tell the stories of our lives. Jock Strong, Mark Smith and Neil A White posed the question: what would happen if a group of Australia's finest writer were invited to let their minds go walking through the Paul Kelly songbook?

The writers responded with tales of forbidden love, with the ghosts that inhabit St Kilda and the 'special treatment' of the Noongar people to name a few. Like Paul Kelly's songs, these stories will take you anywhere, and everywhere, and they will keep coming back to you like a cork on the tide.

A great read, not only for Kelly fans, but for anyone who loves a good yarn in bite sized pieces.



10 Things to Do and See at the Arboretum in 2023



10 Things to Do & See in 2023 at the National Arboretum Canberra!

1. Enjoy a Welcome Walk with a friendly Guide
2. Visit the National Bonsai and Penjing Collection of Australia
3. Tour STEP, the Southern Tablelands Ecosystem Park, and learn about local native wildflowers, shrubs and trees

4. Visit the Discovery Garden to explore the range of edible plants, the succulents and aromatic flowers and herbs
5. Immerse yourself in the Himalayan Cedars and enjoy a BBQ and fabulous view from the lookout
6. Bring the kids to the Pod Playground, and grab morning tea from Ginger Café
7. Meditate along the Labyrinth Garden alone, or on the last Sunday of each month with the ACT Labyrinth network
8. Walk up to Dairy Farmers Hill – admire the Eagle's Nest sculpture and the magnificent views
9. Buy something special from The Curatoreum Gift Shop
10. Explore more of the Arboretum in the comfort of our Ngala Tourist Bus

<https://friendsarboretumcanberra.org.au/>

Diary Dates for 2023

14 March	Friends General Meeting, 5.30pm Seasonal Talk #1: Scott Saddler AM on the Arboretum's Master Plan
29 April	Canberra Tree Week commences
5 May	Arboretum 10 th Anniversary Gala Dinner Celebration
7 May	Mother's Day Harvest Stall
9 May	Friends Annual General Meeting 5.30pm Guest Speaker TBC
July Date TBC	Warm Trees at the Arboretum
10 October	Friends General Meeting 5.30pm Guest Speaker TBC
December Date TBC	NAC and Friends End of Year Celebration 6-8pm

Listen and Learn More about Trees

My (other) favourite plant podcast by Joanne Maples.

Last time I talked about the *Branch Out* podcast. Podcasts offer an easy way to tightly choose your listening content. Here is another of my favourite plant podcasts—this time with mainly American accents, but also a few Australian ones.

In Defense of Plants

by Matt Candelas, acknowledged botanical obsessive
hosted on <https://www.patreon.com/indefenseofplants>

The podcast series aims to 'help cure plant blindness'. Episodes are generally about an hour long and conducted as a conversation with a botanist or other nature-related professional about their career or scientific work on everything 'from the smallest duckweed to the tallest redwood'.

To find new weekly episodes on an ongoing basis, 'subscribe' to *In Defense of Plants* through Spotify, Apple or Android podcast platforms on your phone or desktop. Access to the most recent 100 episodes (of currently, 407) should be there. You can click to listen to episodes on plant-related topics; some are tree-related and some are on Australian flora. A selection is:

- Ep. 392 - Botanizing down under: this is a joy, as Matt and friends discuss their first-time encounters with Australian plants (and some animals)
- Ep. 390 - Pinosaur revisited: yes, this episode is on the Wollemi pine
- Ep. 382 - The rediscovery of an extinct oak: a lovely conservation story (though this oak was not extinct for as long as the Wollemi pine)
- Ep. 335 - A global effort to help magnolias: about conserving the Magnoliaceae family, for which about half the species are threatened
- Ep. 330 - Horticultural taxonomy: 101 on record-keeping for cultivars
- Ep. 327 - A rallying cry for restoration: gives details on the UN Decade on Ecosystem Restoration
- Ep. 316 - How an asteroid changed neotropical forests: outcomes of the fifth mass extinction event which was centred on Yucatan Peninsula about 66 myo
- Ep. 308 - The street life of trees: about the role humans play in the ecology of street trees, including eucalypts. (Be quick before this one drops out of the 'recent 100'.)

You can also go to the web address above to access 'bonus botanical content' on a membership basis, which is pretty modest at \$8.50 per month and is more or less a donation coming from a small number of 'patrons' and aimed at keeping the main podcast going. Happy listening!

Thank you to all our Sponsors and Contributors

If you have ideas for articles, or items that might be of interest to the Friends such as stories or photos from the Arboretum or further afield, please contact me Nicole Pietrucha on: pietruchanac1@gmail.com. Many thanks to the people who have contributed articles and photos for this and previous issues of the Newsletter, and given generously of your time to write, read and proofread. I could not do it without your help.



Friends new website: <http://friendsarboretumcanberra.org.au>

Friends new email address: contact@friendsarboretumcanberra.org.au

How to join the Friends

Visit arboretumcanberra.org.au to join online or to find out more about the benefits of being a member

OR

Email your details to: contact@arboretumcanberra.org.au and pay by funds transfer or cheque

OR

Complete the Application Form and mail it to:

The Secretary, Friends of the National Arboretum Canberra,
PO Box 48, Campbell, ACT 2612, and pay by funds transfer or cheque.

- ☐ Bank details for funds transfer:
Westpac, Petrie Plaza, Canberra, ACT: BSB 032 719.
Account: 375379 – please include surname in description.
- ☐ Cheques payable to: Friends of the National Arboretum Canberra Inc.

Membership type	1 year	2 years
<input type="checkbox"/> Individual	\$45	\$80
<input type="checkbox"/> Household	\$55	\$100
<input type="checkbox"/> Concession*	\$25	\$40
<input type="checkbox"/> Club/Association**	\$100	\$180
<input type="checkbox"/> Business**	\$500	\$900

*Pensioners, health card holders & students
**See website for details

Membership Application Form

Membership type:

Title: First name:

Last name:

OR

Club/Association/Business name:

Address:

State: P/code:

Email address for newsletter and updates:

Phone: Mobile:

Number of parking passes:

Total amount payable (include membership/s and parking pass amounts): \$

Signature:

Date:

Parking Pass 1 year

☐ Friends' Annual
Parking Pass \$35 per vehicle

For a parking pass, please include your vehicle's registration number.

Note: An Individual Member is entitled to apply for one Parking Pass at the Friends' rate and a Household Member is entitled to apply for two Parking Passes at the Friends' rate.

Parking passes are issued for one year from the date of purchase.