



HARBOUR GEORGES RIVER Group of APS NSW NEWSLETTER – September 2023

NEXT HARBOUR GEORGES RIVER EVENT:

Wednesday 4th October, from 6 pm for dinner

Indoor Meeting and Talk

Garden Design - Theory and Practice

With James Middleton, landscape designer

Burwood RSL Club, 96 Shaftesbury Road Burwood.

Presentation at 7:30 pm

Please RSVP to Liz on elsmere02@gmail.com as numbers are limited.

Welcome to the September 2023 edition of the APS Harbour Georges River Group Newsletter.

Many of our members have expressed interest in garden design, so don't miss James Middleton, talking about landscape design using native plants on 4th October. For the more technically minded, there is a long report on our tour of the Herbarium, as well as lots of environmental news and other peoples' events to fit into your busy schedule. Always something to do if you love native plants. But not many photos this month. Everyone was too busy looking. We need a keen photographer in our midst.

Looking forward to seeing you at some of the activities.

Dorothy Luther, Editor

In the spirit of reconciliation, the APS Harbour Georges River group acknowledges the Traditional Custodians of country throughout Australia and their connections to land, sea and community. We pay our respect to elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.

<https://www.austplants.com.au/Harbour-Georges-River>

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A NOTE FROM THE PRESIDENT

Greetings to all the members,

We have had an interesting month with the visit to the Herbarium at Mt Annan. Ana delighted us all with the tour and seeing how plant specimens are kept for preservation. I enjoyed noticing among the group, 3 of Peter Olde's specimens were out to be transferred to the new form of mounting.

Thank you, Ana. I hope you enjoyed the meringues.

The gardens looked spectacular and well worth a visit at this time of the year.

We visited Sylvan Grove last Sunday and were able to see the plaques commemorating our former members, installed by David Crawford. Jan and Liz were also part of the team who made it all possible. Thank you. It's a positive way of remembering our long-term members and their contributions to the APS. Graham Walters at his last meeting supported the change of our name and our forward looking strategy.

I am sorry I won't be able to attend the next meeting, as Des will be in hospital.

Take care of yourselves and your gardens in this heat.

Thank you all for your support and team efforts,

Warmest regards to you all.

Marie O Connor, President HGR APS NSW.



1 Orchids in the lattice in Marie's garden

NEXT MEETING

Garden Design in Theory and Practice

Wed. October 4th, evening meeting at Burwood RSL - Garden design workshop with James Middleton, one of our members, who is a landscape designer.

James will describe his practice in landscape design, illustrated with reference to a community garden project he is working on with the Clemton Park Uniting Church. Members of the church group will also talk about their vision for the garden. This will be followed by a discussion on how to implement the garden vision with a limited budget and lots of muscle power.

Come and share your experiences and ideas as well, especially if you live on the Wianamatta shale and struggle to get things to grow.



Clemton Park church grounds June 2022

When and Where?

Club Burwood RSL, 96 Shaftesbury Road, Burwood.

Arrive any time from 6 pm for general socializing and to have a meal in the bistro or grab a snack from the bar. The formal proceedings will start at 7.30 pm in the Executive function room on Level 1.

This will be another opportunity for new members to introduce themselves and get to know other members. We are keen to hear how we can tailor our program to suit your interests in native plants.

Please let Secretary Liz Cameron know if you are coming: elsmere02@gmail.com



LAST MEETING

Australian Botanic Garden, Mount Annan, Wednesday 6th September 2023

Herbarium Tour

While we were waiting for everyone to gather outside the Herbarium, Ana gave us a quick rundown on the Plant Bank - the next building along. The Plant Bank is a research institute that comprises the plant conservation laboratory and a seed bank. Both are seeking to investigate and preserve plant biodiversity of the surrounding endangered Cumberland Plain Woodland. The seedbank holds the largest collection of plant seeds in the country, representing approximately 20% of Australia's flora.



2 The group at the Herbarium, photo by John Coomber

The National Herbarium of New South Wales holds a comprehensive collection of herbarium specimens mainly from New South Wales, but also from all over Australia and the world, thanks to the constant exchange of herbarium material between national and international institutes. The design of the building itself was inspired by a Waratah seed pod, resistant to the tough Australian climate. The hard fruits protect the delicate Waratah seeds. Likewise, the 6 'vaults', made of a thick wall (45 cm) of cement and local earth, protect the delicate and priceless herbarium specimens. The ceiling curves up in the way that a seed pod opens.

The Foyer

We start in the foyer, where there are a number of displays of old equipment and storage methods, as well as the uses of plants for medicines and dyes. Most plants are preserved by traditional pressing to create herbarium specimens, but there are also individuals or parts or organs which need to be preserved in 70% ethanol. For example, orchid flowers, where a 3d shape is important for morphological analyses and scientific drawing. The pressed Orchid flowers most of the time aren't adequate for deep morphological studies.

There are also drawers which illustrate some of the more modern methods in plant studies such as DNA analyses. Ana explained that doing DNA analyses of new and old collected specimens have given a more 'accurate' understanding of plant phylogenetic relationships

at infraspecific level and above, most of the time with the support of morphological characters. Researchers have also found that plants vary at the population level. So, researchers are using DNA analyses to understand how populations change from zone to zone. This is known as population genetics.

The foyer also currently has the winners from the Margaret Flockton illustrations award.

Botanical ID services (BIS)

This section does identifications for specimens sent in, often from environmental impact statement consultants but also sometimes from other people. On occasion they have done forensic work - mainly about poisoning of livestock. They don't do fungus identification as they don't have a mycologist. These are sent to Melbourne.

BIS has a very comprehensive reference collection of the plants of New South Wales kept in the herbarium. The 'BIS herbarium collection' is stored in lever arch binders, and available for the public. They also are the curator of the PlantNET database.

<https://plantnet.rbgsyd.nsw.gov.au/floraonline.htm> PlantNET includes the information from the Flora of Australia set of books and up-to-date information. Identification starts from experience, providing a general idea of the plant family, and then drill down step-by-step to identify the actual species.

We then go into the quarantine area where we have to leave all out bags and water bottles and so on. We walk past the DNA extraction lab but don't actually go in.

Loading Dock & Non-quarantine Areas

The NSW Herbarium has recently received a donation of the entire collection of weed specimens from TARCH Herbarium. The collection is so big that it has to be kept in the loading dock under a strict surveillance and care, waiting to be processed. Ana has scored the job of going through the collection and identifying whether the NSW Herbarium has any of the species already in the collection. She thinks that about half of them probably will be duplicates. The duplicates will be donated to other herbaria.

Preparation Room (non-quarantine area)

While in the field, plant portions are collected, laid in newspaper and stacked on top of each other and pressed. This is like the old flower presses that we used. The bundles are tied hard with string between two plant press boards. Each plant must have a field record number and a description (which will be part of the herbarium specimens label) with as much detail as possible. This includes the Collector's name, ecological description of the place such as: soil, ecological formation, altitude, and when possible, the taxonomic identification. In general, any other information that may be useful. After drying this will become a herbarium specimen.

A fresh plant piece is also collected and identified with the same voucher as the corresponding herbarium specimen. It is stored at -80 degree for future DNA analyses.

The Drying Cupboards (non-quarantine area)

The press is placed in drying cupboards for about 2 weeks at a temperature of 30 degrees centigrade. The collector will come and check how the specimens are going, particularly for delicate plants or succulents. The plant must be completely dry before moving on to the next stage.

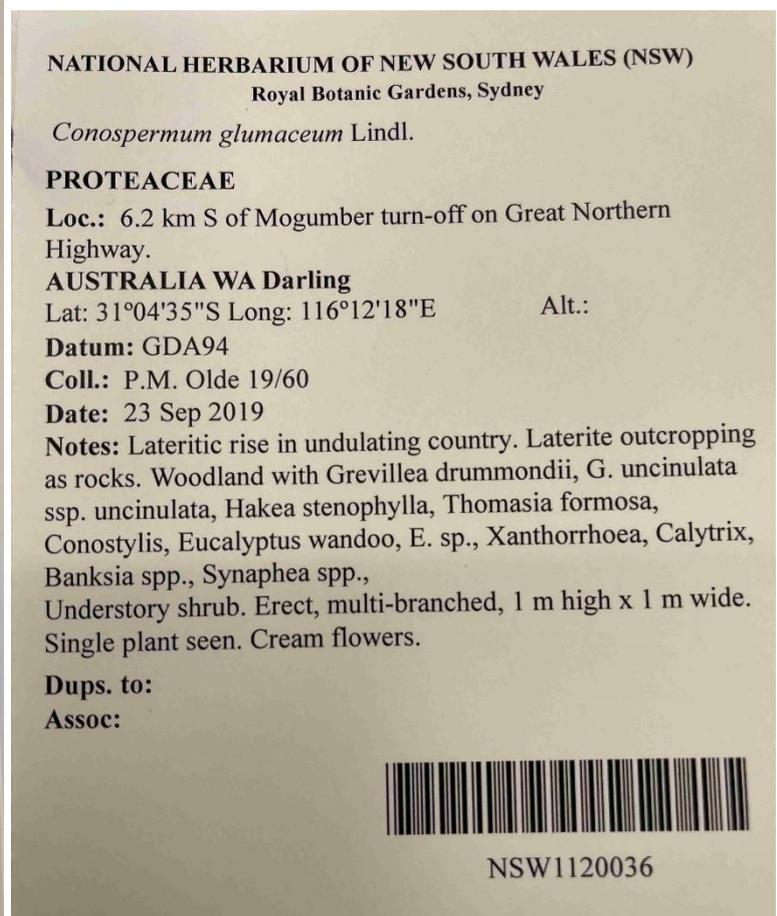
Quarantine area 1

The Freezers

We go through an airlock into an even more high security section.

In the old herbarium, generally known as The Brown Building, quarantine wasn't very good and there were constant problems with insect infection. With the new system, everything that comes into this area is placed in a freezer at -16 degrees for a week. This kills all foreign organic matter such as insects. It doesn't damage the specimens because they have already been completely dried. Although keeping the freezing stage at minimum repeats is highly recommended for avoiding herbarium specimens damage.

The Herbarium Work Room



3 Specimen to be remounted. photos by Julie Walters

These are huge rooms with long benches that involve: the herbarium working area, the image room and the mounting room. They are maintained at low humidity (45%) and at room temperatures. There are various activities here, some to do with re-packaging specimens to go on loan, or for specific study. For many years, the specimens were mounted on acid paper. This gradually deteriorates the specimen. When a specimen is required for study, they take the opportunity to remount it on archival paper and update and expand the label. The original handwritten labels are kept, but new computer labels are also added.

The Banks and Solander collection has already been remounted as it is of such enormous historical importance. Some of Peter Olde's Grevillea collection is out on display at the moment.

As Ana explains, mounting the specimen is an art as much as a science. You have to lay the pieces out so everything is visible and as flat as possible. You need to display both sides of leaves for example on a flat surface.

In the next room, a team of volunteers is working away mounting some of the specimens. The various pieces of the plant are stitched onto the backing paper using dental floss or linen tape. They're not glued anymore. Grasses can be a particular challenge because the stems are often quite long. Eucalyptus specimens include the bark, fruits and flowers, as well as the leaves. They can be quite bulky. Any little pieces that break off during the processing are carefully saved in a small plastic bag. These pieces can be used for DNA testing if required.

It's slow meditative work, focussing on quality not quantity.

The next stage is The Photography Room with huge flat plate cameras and screens to check the work in minute detail. Each herbarium specimen is digitalised and databased.

The Vaults (Quarantine area 2)

There are 6 vaults to store the collection. Specimens are now arranged following the APG (Angiosperm Phylogenetic Group) phylogenetic system. In The Brown Building, they were arranged alphabetically. This was one interesting challenge of the move - rearranging the whole collection.

Vault 5 contains the Myrtales, which Ana will start to care for and curate. We go through yet another air lock into a vestibule with a stereomicroscope, where botanists can do some work on specific specimens without taking the specimen from the quarantine 2 area. A Security door leads into the actual vault. It's cold in here! 16 degrees! The specimens are stacked up in a huge compactus system of tall metal cabinets and labelled with different taxonomic names and levels. Each cabinet is divided into compartments. All the samples are laid on pieces of cardboard called sliders, which help to keep the herbarium specimens flat and to facilitate the removal from the compartment within the cabinet. Herbarium specimens can be stacked several high in folders and tied in bundles. Ana gets out one bundle from one compartment to show us. She carefully places the bundle on top of the bench. It is a very meticulous process for opening the bundles, moving each sample to the right and placing the next sample on top of it. When you have finished, you put them all back one by one, moving to the left, so that everything stays in the same order.

There are 1.3 million samples in the Herbarium, which need to be constantly rechecked and tidied to make sure that nothing gets put in the wrong place. Also, as species are renamed and reclassified, the specimens need to be rearranged to fit the new classification.

Special Treat

As a special treat Ana had two precious things to show us which came from the British Museum.

Ana is from South America, and as she said herself, the first time she saw a Waratah she was absolutely astonished. And she had at least heard about it and seen pictures of this bizarre plant. We tried to imagine the absolute jaw-dropping astonishment that Banks and Solander must have felt when they first encountered these strange and wonderful plants, that look like nothing they had ever seen before.

Carefully wrapped in archival paper, with the original labels still intact, a Hakea and a Eucalypt, collected by Banks and Solander from Cook's Voyage of 1770. These plants have been touched by their own hands and seen with their own eyes.

Margaret Flockton Award

The Margaret Flockton Award is an annual, international award for excellence in scientific botanical illustration. It also commemorates the contributions that Margaret Flockton (1861–1953), the Royal Botanic Garden Sydney's first scientific illustrator, made to Australian scientific botanical illustration. <https://www.botanicgardens.org.au/our-science/our-collections/botanical-illustration/2023-margaret-flockton-award>

To view this year's 54 entries, go to <https://www.flickr.com/photos/botanic-gardens-sydney/albums/72177720310645951>

The exhibition of finalist work is on display in the National Herbarium of New South Wales foyer from 21 August – 6 October.

As well as line drawings on white paper, there are some white drawings on a black ground - a scraper board, where you literally scrape the surface away. This can give quite a 3D effect to the drawing.

GROUP NEWS

Sylvan Grove Native Garden tour, Sunday 17th September 2023



4 tree and plaque honouring Hugh Stacy, photo by Jan Douglas

7 Sylvan Grove, Picnic Point. 11 am guided tour of the Garden with Canterbury Bankstown Council horticulturist, Jim Mackay.

Thanks to Liz Cameron for the flowing report It was a hot day and we were grateful for the coolness provided by the many shady trees including a spreading *Macadamia tetraphylla* in full flower.

Jan and Dave had completed the installation of plaques beside each of the three trees planted in May 2022 in memory of East Hills Group members. The trees are thriving and while we admired them, Jan read the citations on the plaques that commemorate the contributions of Hugh Stacy, Kyrill Taylor and Graham and Margaret Walters.

Orchids flowering in abundance included great sprays of creamy Rock Orchids (*Dendrobium speciosum*) (which Jim said need a certain amount of direct sun) and dense clumps of Pink Rock Orchids (*D. kingianum*) with white as well as pink

blooms. Greenhoods were mostly over but there were patches of small elegant Upright Maroonhoods (*Pterostylis pedunculatus*).

I was struck by the predominance of mauve, purple and pink flowers. The mauve and purple mint-bushes included Snowy Mint-bush (*Prostanthera nivea*), Oval-leaved Mint-bush (*P. ovalifolia*) and Cut-leaved Mint-bush (*P. incisa*); an exception to this colour scheme was a pink-flowered variety of Velvet Mint-bush (*P. incana*). (Not all mint-bushes are equally aromatic - *P. incana* is only slightly aromatic). Vivid pink flowers included species of *Bauera* and *Tetradthea*; Key's Boronia *B. keysii* (endemic to SE Queensland), and Sticky Boronia *B. anemonifolia*, had paler pink blooms.

Contrasting with the mauve-flowered shrubs were occasional splashes of vivid yellow. The shrubs included *Senna barronfieldii* – a local species with masses of typical cassia flowers - and Tree Shaggy Pea (*Oxylobium robustum*) which also grows in the bushland surrounding the Native Garden. In shady spots were flowers of the Trailing Guinea Flower *Hibbertia dentata* and, close to the end of our walk, *Phebalium whitei*, whose bright yellow flowers contrasted with rusty buds; this is another species native to SE Queensland.

There were very many other colourful and interesting plants to appreciate along our guided walk. I encourage you to visit Sylvan Grove this spring, or, if you can't get there, to 'like' the stunning photos posted on Facebook:

<https://www.facebook.com/search/top?q=sylvan%20grove%20native%20garden>

Hugh Stacy's Plant Descriptions

The late Hugh Stacy wrote the notes on the Plant Table for some years. His words are now being incorporated into the APS NSW Plant Database, thanks to Dan Clarke's work.

"I have pasted in the following links below where you can have a look at how it was done. Just note – we already had text for many profiles and so it is hard to "double-up" so to speak. But I managed to extract some good words of Hugh's.

<https://resources.austplants.com.au/plant/melaleuca-hypericifolia/>

<https://resources.austplants.com.au/plant/syzygium-wilsonii/>

<https://resources.austplants.com.au/plant/homoranthus-prolixus/>

<https://resources.austplants.com.au/plant/melaleuca-gibbosa/>

This is just a first step – I will keep at it amongst all the editing and new uploads".

The Rest of 2023

Here is the updated plan:

Wed November 15th at 10 am, outing to Royal Botanic Gardens, with volunteer guide Amanda Gibson. We will visit the Eucalyptus lawn & the Australian Rockery Lawn, among other places. Meet at Woolloomooloo Gates, Mrs Macquarie's Drive, near the Art Gallery.

Wed December 13th at 6 pm - Christmas Party & AGM, at Earlwood Uniting Church, in the main hall. 12 William Street, Earlwood. Party games, music, food, fun for all. Raffle hamper.

Cute Bug

This little creature was sitting on my doorframe, quite still. Not surprisingly, it's called a Green Lacewing. Its body is about 1 cm long. It didn't move even when I was fiddling around



5 photo by Dorothy

moving things to take a photo of it. Maybe it had just hatched out & was waiting for its wings to dry.

According to Backyard Buddies

<https://backyardbuddies.org.au/backyard-buddies/lacewings/>

Green Lacewings come out in October, but like everything this year, this one is early. (I'm writing this on 3rd September). They frequently lay their eggs in a U-shape on the underside of a leaf, on the tips of hair-like stalks. The larvae will eat almost any small insects or eggs, including aphids, scale & mealy bugs. The adults like nectar & pollen.

Another bug to encourage.

NEIGHBOURHOOD NEWS

There is a lot happening in our patch, with community groups and local councils being active in promoting native plants. Since it's Spring and the weather has been balmy, there are more events on than I can keep up with – bush walks, celebrations, birthday parties. I welcome contributions - stories about your other favourite groups.

Bankstown Bushland Society Win

Creative action was taken by Canterbury Bankstown council this month to protect the upper section of the river flat regeneration area at Monash Reserve, East Hills, from continuous damage. This is one of BBS' main projects along Georges River. Damage included destruction of 95% of the grass, herb and sedge ground cover by wheeled vehicles over the past six months. The main agents were not teenage trail bike or BMX bike riders but adult Remote-Control model car enthusiasts.



6 Vandal proofing - photo by Col Gibson

Nature Conservation Council (NCC) Annual Picnics

NCC hold a statewide picnic in October each year – this year on Saturday 21st October. That is, groups across the state organise local events, all on the same day. NCC supports & publicises the events, so we promote conservation to the public. The idea is to incorporate bush walks, visits to public gardens or botanical gardens in a relaxing manner, showing off the wonders of native plants and the fauna that go with it.

This year, there are 2 such picnics in our patch.

A number of local community groups are hosting a picnic at **Evatt Park, Forest Road, Lugarno** from 11.30 am - 2.30 pm. Bring your own picnic, rug and chairs, and enjoy a beautiful part of Lugarno. Contact: glenleeactiongroup@gmail.com

The Wollie Creek Preservation Society are hosting a picnic in **Girrahween Park at Earlwood**. It is central & has good facilities. There will be a bush walk going West. There might even be a treasure hunt. For details & to register, go to https://www.nature.org.au/earlwood_picnic_for_nature_2023



7 results of a recent wildflower walk in Wollie Creek, photo by Maggie Aitken

Wollie Creek Events

UPCOMING EVENTS - WOLLIE CREEK VALLEY SPRING WALKS AND ECO-PADDLE

Get to know the Amazing Wollie Creek Valley – a series of activities focusing on different aspects of the valley. You have probably walked it. This is your chance to learn more about its history, flora, battles to save it, its survival or perhaps just connect with nature for your own wellbeing. Join us in exploring this special piece of bushland on one or more of our walks listed below. All walks are free for members and non-members can attend for the cost of membership. They will then be members till June 2024. There is a cost for our eco-paddle. To see all our listed events, go to <https://events.humanitix.com/host/wollie-creek-preservation-society>

- Nature connection and wellbeing walk – Saturday 14 October – 10am to 12 noon
- Walk from Bardwell Park to Tempe SUNDAY 29 October - 9am - 12.30. 3.5km
- Fighting for Wollie - Sunday 12 November -11am – 1pm – Turrella to Tempe – 3km

We hope you can join us on one or more of these events. Please share this information with your friends and family.

WCPS ANNUAL DINNER

Thursday 19 October, at the Bardwell Valley Golf Club, 2A Hillcrest Ave, Bardwell Valley.
From 6.30pm

WCPS always put on a good dinner with entertainment, raffles, quizzes and a guest speaker. This year's speaker is Peter Ridgeway, naturalist and author of "A Wide and Open Land" about walking the Cumberland Plain.

Topic: Made by Nature: How Sydney's wild landscapes made us

Sydney is a diverse city - a crucible of cultures within a jumble of geologies and ecosystems. Too often we see these human and natural worlds as independent. But the wild has always entangled the people of our region, from Aboriginal communities to colonial settlement and even today. Much of what we consider our cultural history has surprising roots in the geography, geology, and ecology of our natural landscapes. We will explore a wide range of topics, from the origin of our towns and cities to the deep questions such as 'Why do Westies have an accent?' and see how our cultural world originates from the remarkable and often bizarre natural world of the Sydney basin.

Sutherland Community Nursery Open Day

Calling all green thumbs. Come along to our Community Nursery Open Day to browse the extensive range of local plant species.

SAT 21 October 2023, 345 The Boulevarde, Gymea

We grow native plants that are perfect for gardens and planting projects. Local species are grown from seeds and cuttings collected by staff and Bushcare volunteers. The nursery supplies stock for landscaping and revegetation works. We can also grow plants on request.

The Native plant selector (NPS) is a tool that can assist you in selecting the best native plants for your property. The NPS provides you with dozens of plants from native grasses, shrubs, trees, and vines to choose from, with facts sheets and colour photos. You enter your address, or ask for plants for anywhere across the Shire.

<https://www.sutherlandshire.nsw.gov.au/your-environment/native-wildlife/native-plant-selector>

RANDOM JOTTINGS

These are items of general interest found on the World Wide Web & other sources. All contributions for future editions gratefully accepted.

Saving Rare Plants

<https://www.theguardian.com/environment/2023/aug/31/a-national-living-library-uk-charitys-plea-to-save-rare-plants-from-extinction>

People in the UK are being urged to keep rare plants in their living rooms or gardens to help create a "national collection" that can save pollinator-friendly plants from becoming extinct. Maybe we should do the same for our locally rare plants.

World Heritage Sites

<https://www.theguardian.com/environment/2023/aug/31/fifth-of-known-life-on-earth-found-in-unesco-world-heritage-sites-survey-finds-aoe>

Experts say that world heritage sites are threatened by climate breakdown and human overconsumption, prompting warnings that some species could go extinct in the protected areas despite being recognised as globally important.

Examples of unique biodiversity include Shark Bay in Australia, home to the largest seagrass plant on Earth, which stretches over 110 miles.

The report recommends that countries include UNESCO sites in their national biodiversity strategies and action plans, which will detail how a country is contributing towards nature targets agreed at last December's Cop15 biodiversity conference.

Ken Henry Report

Australia's environment must be given legal priority over land-clearing and logging to survive, Ken Henry says, in his review of the New South Wales Biodiversity Conservation Act.

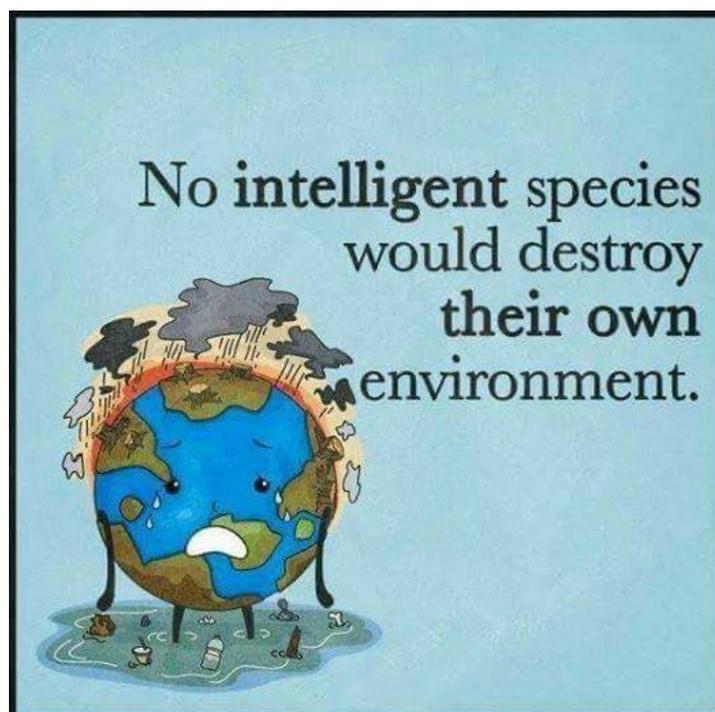
<https://www.theguardian.com/environment/2023/aug/25/dr-ken-henry-environment-land-clearing-logging>

Henry said the written objectives of the NSW biodiversity legislation, and other environmental legislation across the country, looked ambitious but they were being undercut by other laws.

Study on Regeneration

<https://www.theguardian.com/environment/2023/sep/15/diverse-mix-of-seedlings-helps-tropical-forests-regrow-better-study-finds>

"Our new study demonstrates that replanting logged tropical forests with diverse mixtures of native tree species achieves multiple wins, accelerating the restoration of tree cover, biodiversity, and important ecosystem services such as carbon sequestration."



CORRESPONDENCE RECEIVED

Newsletters Received – September

The full text of the APS newsletters is available from the APS website, on the District Group pages – usually under ‘Resources’.

Australian Plants Society, Menai Wildflower Group - Newsletter September 2023

Archaeologic excursions to the site of the old sawmill in the Royal National Park and the large pleasure ground of Parkesvale; plant outing to Barangaroo native plant reserve; Seed bombs – a ‘new’ way of planting; news from the nurseries.

Australian Plants Society, Sutherland Group - Newsletter September 2023

More about Ralph Cartwright’s garden; Open Gardens weekend on 2–3 September to celebrate Sutherland Group’s 60 years – lots of lovely photos; walk along the northern end of Wisers Track in the Royal National Park, where the vegetation changes as the fire trail dips down in elevation a few metres into different geology.

Australian Plants Society, Northern Beaches Group - Newsletter September 2023

Report on a visit to the Heath Track, Allambie Heights, with lots of photos; Presentation on the lesser native plant family Santalaceae, which are parasites, such as Sandalwood, Quandong and *Exocarpus cupressiformis* (Cherry Ballart). The fruits of all are edible; the leaf litter invertebrates that died in the black summer fires, and the impact on the ecosystems.

Other Groups Newsletters

We have begun to swap newsletters with other environmental groups in the Harbour Georges River area. Links to their web sites are provided where available.

National Parks & Wildlife Service, ‘Naturescapes’ September 2023

The spectacular Tomaree Coastal Walk on Worimi Country in Port Stephens is now open.
Three mother-calf pairs of southern right whales have been sighted along the South Coast.
Lovely Lyrebird Loop walk reopens at Minnamurra Rainforest Centre



8 Elegant Heart orchid, *Dendrobium speciosum*, cross *D. bigibbum* cross *D. tetragonum* in Marie’s garden

COMING EVENTS

For further details of coming events for other district groups, please see the APS NSW website at <http://austplants.com.au/calendar>

Wed. October 4th, 7:30 pm	APS HGR Meeting - Garden design workshop. Club Burwood RSL, 96 Shaftesbury Road, Burwood
13th to 15th October	Orchid Show & Sale, Club Condell Park, 178 Eldridge Road, Bankstown. https://www.orchidscentral.com.au/
Thursday 19 October	WCPS Annual Dinner, with Peter Ridgeway, naturalist and author of "A Wide and Open Land" about walking the Cumberland Plain
Sat 21st Oct	NCC Picnic for Nature – 2 events in our area: * Girrahween Park, part of Wolli Creek Regional Park, Earlwood. * Evatt Park, Forest Road, Lugarno.
Wed 15th November, 10 am	HGR Outing to Royal Botanic Gardens. Meet at Woolloomooloo Gates, Mrs Macquarie's Drive
Wed December 13th at 6 pm	APS HGR Christmas Party & AGM, at Earlwood Uniting Church, in the main hall. 12 William Street, Earlwood

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<https://www.austplants.com.au/Harbour-Georges-River>
<https://www.facebook.com/groups/1328674687627886>

*9 Ozothamnus diosmifolius (Riceflower)
in Marie & Des' garden*