

Native Plants for New South Wales

A photograph of several banksia plants. The plants have vibrant green, serrated leaves and several cylindrical flower spikes. The spikes are covered in small, tightly packed flowers, some of which are in various stages of bloom, showing shades of orange and brown. The background is a plain, light brown color.

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Native Plants for NSW

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The Journal is a forum for the exchange of views of members and others and their experiences of propagating, conserving and gardening with Australian plants.

Contributions are warmly welcomed. They may be emailed, typed or hand written and accompanied by photographs and drawings. If handwritten, please print botanical names and names of people.

Photographs may be submitted as either high resolution digital files, such as jpg, or prints.

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Front cover: *Banksia aemula* or Wallum Banksia. Photo taken by Sarah Cains of Southern Highlands Group.

Back cover: Shady Lady Waratah. Photo taken by Sarah Cains of Southern Highlands Group. See page 40 for more information.

Introduction

David Crawford, Editor *Native Plants for NSW*

The cover images come from Sarah Cains, a member of the Southern Highlands Group. As always, I am keen to receive more images and articles from members.



In this issue we remember three significant contributors to APS and the Australian flora. The name John Wrigley is known to almost all APS members and to many more in the wider 'plant community'. John's sudden death came as quite a shock (p 4).

Elsie Bartlett reports on the 2014 APS NSW Get-together held on the Central Coast in August (p 7). The weather was not kind to organisers or attendees. It is clear that many participated and with gusto and that the organisation was quick to adapt. The next APS NSW event will be the November gathering in the Hawkesbury area (p 10). We also have early advice of the subsequent gathering in early March hosted by North Shore Group (p 27) and the 2015 ANPSA Biennial Conference to be held conveniently for us in Canberra (p 50).

The Board has resolved the position of Secretary by dividing the role between several Board members. However, as a voluntary society we are always looking for willing and enthusiastic helpers to contribute to the running of the society. If you would like to help, contact the office, your delegate or a Board member. Good news, we are not looking for a new Seed Bank Co-ordinator, John Randall is keen to continue but he would like to see more activity with the seed bank (p 33). Also the position of Conservation Officer has been filled (p 26).

Nominations are sought for Life Membership and the Conservation Award (p 11). Groups and members have several months to consider and nominate worthy applicants. More good news, membership numbers have started to climb! A lot of good work has been done to bring this about. The Growth and Promotion Committee is suggesting gift memberships, especially at Christmas, with the added incentive of a \$10 Bunnings Gift Card for the first 50 (p 34).

Out and About (p 24) features the newly re-activated Illawarra Group. They had a day packed full of activities at the Illawarra Grevillea Park at Bulli.

Plants? Yes we do have articles about plants! *Hakea bakeriana*, Rhamnaceae and eremophilas, so please read on. I hope you will find much of interest.

John Walter Wrigley AM 1934–2014

Merle Thompson, APS NSW Membership Officer and Gwyn Clarke, Secretary North Coast Group

The Society sadly records the death of John Wrigley, the first elected Life Member of our Society. John was awarded this honour in 1967 for his commitment both to the Society and to the study, cultivation and promotion of Australian flora.

It is fascinating that John, who perhaps is best-known for his work in the establishment of the Australian National Botanic Gardens, as a young child was in the same class as Dr Barbara Briggs, who became a botanist, Assistant Director of the Royal Botanic Gardens, Sydney and was involved in the establishment of the Australian Botanic Garden, Mt Annan. Barbara recalls, 'I also remember him from being in the same class in early primary school at Roseville. I don't remember any of the other boys in the class, but John was memorable for often bringing little animals (beetles etc.) to school to show us — a great interest in nature started young.'

John was at one time national president and it is fitting to quote the tribute from the current national president, Lawrie Smith.

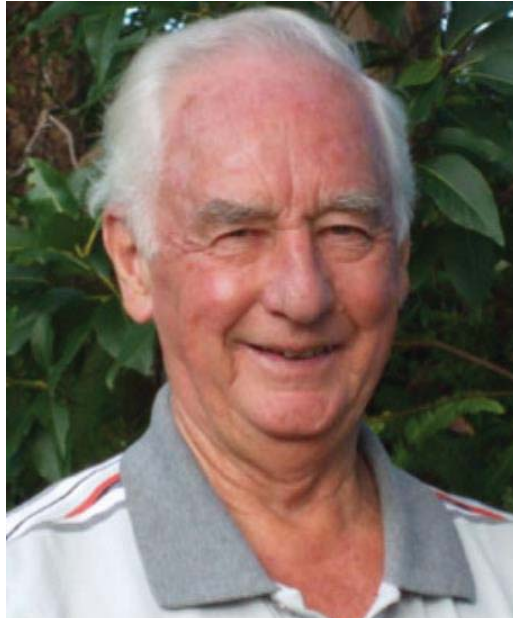
His wealth of knowledge of the Australian flora will be sadly missed, but fortunately much of this will live on in the significant botanical and horticultural texts he has written.

Thankyou John, we owe you a great debt and really appreciate all you have done to promote the significance and value of the Australian flora to the Australian community and to the wider world.

[The following tribute was written by Gwyn Clarke, who knew John in Canberra and then again when they both settled on the NSW north coast.]

Many members of the NSW region will know of John Wrigley through the book *Australian Native Plants: Cultivation, Use in Landscaping and Propagation*; written in collaboration with Murray Fagg the photographer and illustrator. John also played an important role in the Society for Growing Australian Plants, now the Australian Plant Society as a foundation member in NSW and later a member in the ACT, before returning to NSW in 1981.

John was born in Sydney in 1934 and grew up in Lindfield on Sydney's North Shore. Both his parents were keen gardeners and at Lindfield he would have been surrounded by the flora he grew to love. He was an



outstanding student and won a scholarship to Sydney University where he studied chemistry.

He first worked as an industrial chemist, quickly rising to become a manager. In 1957 he married Marcia Glasson, which began a close and loving partnership. John always placed his family first and at the funeral service his children spoke of him with love and respect. It was obvious they knew him well.

Also in 1957 he became a founding member of SGAP (Society for Growing Australian Plants, now known as the Australian Plant Society). During this time he lived in Gordon, not far from where he grew up. He helped set up a branch of the Society on the North Shore, and also helped set up the Ku-ring-gai Wildflower Garden which is still operating today. As well as serving at the local and regional level he served at federal level. In 1962 he was a delegate to The Federal Conference held in Canberra, which saw the formation of the Canberra Region. Little did he know at that time that in 1967 he would move to Canberra to become the Curator of the Canberra Botanic Gardens, now The Australian National Botanic Gardens. I have heard John say what a wonderful opportunity it was to be able to earn his living working with the Australian flora; and that he owed that opportunity to SGAP.

While working at the Gardens he still continued his association with the Society. In 1971 he was President of the Federal Council. He played an important part in setting up the guidelines for Study Group Leaders to use in assessing plant performance in gardens. As an active member of the Canberra Region, he continued to write articles on the flora, speak

at meetings and undertake field trips, encouraging and challenging others to extend their knowledge of our flora.

At the Gardens his major task was to have the Gardens ready to be opened by the prime minister in 1970. That year he also landscaped the Australian Pavilion at Expo 70 at Osaka in Japan. In the fifteen years he spent in Canberra he undertook extensive field work in addition to his work at the gardens and his writing for scientific and horticultural publications.

As author working in collaboration with photographer and illustrator Murray Fagg he published a series of books on the horticulture and general botany of Australian flora. Their best known book, *Australian Native Plants: Cultivation, Use in Landscaping and Propagation*, was enthusiastically received. It was first published in 1978 and went through six editions, the latest being published in 2013.

John retired to Coffs Harbour in 1981, and undertook private horticultural consulting. It was at this time he was asked to design a new botanic gardens for the town. I understand that these layout designs and basic concepts are still in use in the gardens today. He has also designed a number of other regional gardens.

In 1983 John was made a member of the Order of Australia for his work on the cultivation and study of the Australian flora. He developed his own garden at Korora where he established a plantation of native Australian rainforest trees to supply foliage for export to Singapore for the cut flower trade. John was among local plant growers supplying Australian native plants for the athletes' bouquets at the Sydney Olympic Games in 2000.

John was instrumental in reviving the Coffs Harbour Group of APS and remained an active member sharing his love of the Australian flora in many ways, always willing to share his knowledge and answer questions, nor did he ever hesitate to encourage and challenge other members in their work with the flora. Local members are proud to have known him and been able to call him their friend.

He is survived by his wife Marcia and his children Ross, Jenny, Bruce and Michelle, and 12 grandchildren. His son Craig predeceased him.

John died on 17 July 2014, while on a short family holiday doing what he enjoyed best; spending time with Marcia walking in the bush. He will be sorely missed by all who have known him and worked with him. Thank you John.

Report on a recent activity

APS NSW 2014 Get-together – Central Coast

Elsie Bartlett, Central Coast Group

The annual Get-together was hosted this year on the Central Coast with approximately 100 members from many different groups attending.

Activities began on Friday at lunchtime with Jonathan's Tag-along Tour. The tour gave members from other areas a chance to see some of the endemic plants of the Central Coast growing in their natural environment. The first stop was Somersby where *Grevillea oldei* grows, then Mangrove Mountain to locate *Grevillea diffusa* subsp. *filipendula*. From there it was on to Mooney Creek, one of only two areas where the vulnerable *Grevillea shiressii* exists, the other area being Mullet Creek which is not too far away.

Registration on Saturday morning was at the Soldiers Beach Surf Club near Norah Head – an excellent venue with a balcony overlooking the beach and stunning views up and down the coast.

After the welcoming speeches and morning tea Angus Stewart gave a presentation on 'New Ornamental Natives'.



Tag-along tour group. Photo: Phillip Grimm

Then it was time to browse the displays and the plant sales – always popular with members.

After lunch it was a scramble to assemble at the departure points for the afternoon bushwalks while at the same time Angus Stewart was doing another presentation on Bush Foods.

Local guide, Jeannie Lawson led the Walk and Talk tour at Norah Head and revealed the chequered history of the area, the early seafood industry, the outlaw ‘cedar gangs’ and the homestead of Edward Hargraves who was controversially credited with discovering gold in Australia.

Barbara and Andrew were the leaders for the walk at Victoria Street in Norah Head, helped by Liz, Veronica and Neil. Some of the plants seen on that walk were *Chloanthes stoechadis*, *Astroloma pinifolium*, *Baeckea ramosissima*, *Eriostemon australasius*, *Styphelia viridis* and several *Acacia* species.

The other walk was Crackneck at Bateau Bay. This is about 17km south of Norah Head and Joan and Janet were the leaders on this walk. Lots of tiny terrestrial orchids were seen including *Acianthus* species, *Pterostylis nutans*, and the donkey orchid *Diuris praecox*, as well as many other local species.

Meanwhile well-known local identity Nola Parry from the Wildflower Place at Erina Heights was waiting back at the Surf Club for the returning bushwalkers to begin her floral arrangement demonstration.

It was a busy programme with lots of different activities to choose between.



Angus Stewart & Nola Parry. Photo: Richard Street *Diuris* sp. Photo: Elsie Bartlett



Left: Saturday Night Dinner. Photo: Richard Street

Below: Warrah Trig in the Rain. Photo: Andrew Melville



The Saturday evening dinner was held at the West Gosford RSL. The numerous raffle prizes were drawn during the night. All were donated by sponsors, a result of the wheeling and dealing of some of the committee members.

It rained quite heavily over Saturday night, but not enough to dampen the enthusiasm of the keen bushwalkers. Unfortunately the Van Dahl walk had to be cancelled due to wet, slippery conditions but these walkers joined those on the Warrah Track. The rain eased off at the beginning of the walk and then the conditions were misty and a bit ghostly before the clouds parted and the sun came out.

Meanwhile back at Strickland Forest, Karen, Richard and Graeme had arrived at the crack of dawn to reserve the picnic area under cover and had the BBQ fired up with hot breakfast on the menu.



Andrew, Barbara & Jane at Strickland Forest.
Photo: Phillip Grimm



Richard & Graeme Cooking BBQ. Photo: Elsie Bartlett

There was still an abundance of food for morning tea, as well as fruit juices, muesli bars, trail bars and bottled water not to mention tea and coffee.

Following the BBQ lunch many joined Alf, our Forestry guide, who led walks around some of the Strickland trails.

Notice of a future activity

APS NSW Hawkesbury gathering

1 November 2014

The APS NSW November Gathering is in the Hawkesbury area at the Windsor Uniting Church Hall on the corner of Macquarie and Fitzgerald Sts (in the heart of historic Windsor). Our speakers, Jessica Mowle and Kath Gadd reflect the diversity of interests within the Society. Jessica is a botanical ecology researcher at University of Western Sydney. Her research concentrates on the potential translocation and regeneration of Wollemi pines in the wild. The threat of disease is ever-present with small populations, and the best mix of soil microbes is essential to successful regeneration. Kath Gadd is passionate about garden design with native plants and has established a website and business (malleedesign.com.au) that derives from that passion. Kath is also leading the relaunched APS Illawarra group that began at a successful gathering last February. The talks will be at 1 pm.

The Blue Mountains Group will be providing logistical support for the event which will be a launch platform to re-activate the Hawkesbury Group. Arthur Rutter (4577 3271) is co-ordinating the Group's revival.

Anticipate excellent presentations, great plant sales, the opportunity to catch up with APS friends before the Christmas season and enjoy that 'gathering buzz'.

APS NSW Life Membership and Conservation Awards 2015

Nominations are being sought for these two awards.

Life Membership is the highest accolade the Australian Plants Society NSW can bestow upon a member who has made an outstanding contribution to the Society, their Group and their community. APS NSW invites Groups to submit written nominations for Life Membership. The Board must endorse all nominations prior to consideration by the Annual General Meeting in May 2105.

No more than two Life Members may be appointed in each calendar year except where a nomination includes both a husband and wife

The information supporting the nomination for Life Membership must include the nominee's name, Group, length of membership of the Society, any community awards and an outline of their contributions to promote the aims and objectives of APS NSW.

The nomination must be supported by at least two members of the Society, including the President of a Group, and include the names, addresses and contact details of the two nominators.

Conservation Award – each year, APS NSW seeks to recognise the significant contribution made by an individual member or a District Group to the conservation of Australia's native plants, in particular those of NSW. This may include the conserving of a population, a species or a community of plants.

The nomination must include appropriate supporting information, including any papers, articles, submissions or projects presented by the nominee or Group.

The nomination must include the names, addresses and contact details of at least two nominators, with at least one of the nominators being a member of APS NSW.

Nominations in both categories must be received at the Society's office no later than 18 March 2015.

Postal Address:

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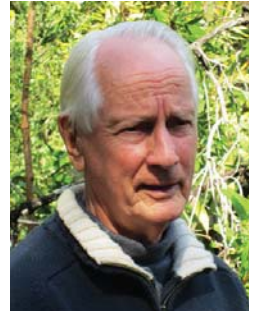
For further information or any enquiries, please contact the office.

Native plant profile

The flowering of *Hakea bakeriana* – enjoyment for half a lifetime

Hugh Stacy, East Hills Group

Despite being one of the finest wildflowers of eastern Australia, *Hakea bakeriana* still seems little-known and is uncommon in cultivation. Needless to say, for it grows readily from seed or cuttings and has proven to be long-lived. In 1975, I planted a seedling, (from seed collected at Doyalson on the NSW Central Coast); in sandy loam 60 cm deep over sandstone chips providing good drainage. Photos show several flowerings of this plant at least 35 years later.



This hakea has outstanding features. Individual flowers are larger than those of other hakeas and of many grevilleas; style and ovary are 45 mm long and perianths 12 mm. Huge fruits swell to 7cm long, 5 cm wide and 4 cm thick. New leaves, fresh green needles 7 cm long, ageing darker, pliable but pointed, enhance multiple stems of the young bushy shrub with a mallee habit.



After about four years a few flowers appear, naturally low down on older wood; observers at this stage may feel that foliage obscures them enough to spoil the show. But wait! This is only a beginning, merely immature flowering. Later flowers at these locations will be better revealed as stems enlarging begin to lose leaves; a process which quickens once the first fruit sets. Then these stems grow taller with new flowers appearing annually higher up

1. Rough fruits contrast with delicate flowers on old stems. Note this photo was taken in the shade.

on each stem, while lower down flowers recur in much the same places axially and new flowers develop nearby in different positions around the thickening stem. Overall more flowers are carried each year on stems growing taller to a natural limit of 3 m or so in cultivation and measuring 50-60 mm in base diameter (see image 1).

Flowering occurs from April to July in an interesting way. The basic conflorescence normally consists of six single flowers each on a pedicel 10 mm long. All emanate from separate points along and around a little stalk, or rachis, which may be 3-10 mm long. These persist and from the base of many, next season other conflorescences may grow, with rachis and buds initially enveloped by minute bracts which are soon shed (see image 4a). First flowers on a stem are usually from a single sessile rachis. After flowers fall a new little trunk begins to grow underneath it, from the top of which new rachises sprout somewhat laterally. Years of flowering produce an integrated structure resembling a tiny tree perhaps 20 mm high and wide made up of dozens of rachises. When a number of conflorescences develop together on one of these miniature 'flower factories', multiple rachises appear to radiate nominally from a common centre, as do the styles, producing spherical clusters easily 11 cm in diameter – the one in image 2 contains over 170 flowers. Low down on very old stems some trunks of these little trees become swollen humps (see image 3).



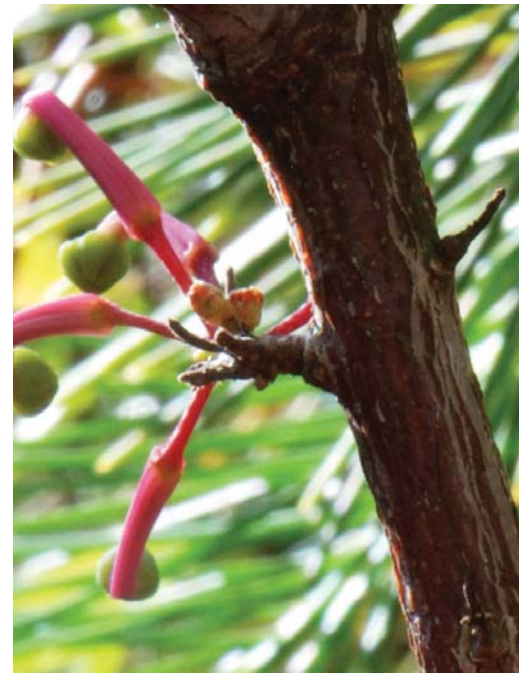
2. A spherical cluster 11 cm in diameter contains over 170 flowers. Will the bee (near centre) 'surfing the tepal sea touch stigmatic periscopes' on leaving?



3. (Left): Low buds developing: green limbs on pale perianths on red pedicels; limbs swell before tubes extend. Note humps under clusters.

4. (Below left): Higher clusters become denser as stem grows: a smaller cluster merges above. Back-light reveals past flowers behind present ones, also trunks of flower factories.

4a. (Below): Enlarged detail: 5 flowers (one hidden); two conflorescences as yet only buds with bracts; several old spurs; on right one old rachis sits atop a trunk forming under it. Note 10 mm diameter main stem is already leafless.



As buds develop, individual flowers attract attention, green limbs on pale perianths on red pedicels. Flowers higher on the plant show perianth tubes changing from pale green to pink, with bright green limbs matching young green leaves, and tepals of pale cream inside emphasising the rich pink styles (image 4).

Massed clusters in full sunlight are darkest pink (image 5), while opening flowers (image 6) show shades of pink gradually deepening as exposure to sunlight increases. The lowest flowers, only 15 cm above ground, are nearly white.

All this happens in a seasonal cycle, expected and repeated as years go by. Just as change drives interest in any garden, so the very regularity of repetition gives assurance and security to those who spend leisure time there. This plant brightens winter days as subtle pinks and greens softly dress the old grey sombre fruits, those rugged investments made to protect the next generation.

The year-old seedling of 1975 is gone now after 40 years of living for its progeny. Weakened by recent drought its massive lignotuber succumbed to termites below ground. It has given pleasure for half a lifetime, contributing its share of beauty to the world. But our search



5. (Above): Flowers in the brightest light and exposed to sunlight for longer achieve the brightest colour.

6. (Left): Low flowers opening a month after the buds of image 3: shades of pink deepen in higher clusters, but the lowest are nearly white.

for beauty is personal and lifelong. The British poet laureate Robert Bridges asserted...

*Verily by Beauty it is that we come at Wisdom,
yet not by Reason at Beauty.*

He also observed, aptly for *Hakea bakeriana*,

*Best is mature; tho' Beauty is neither growth nor strength;
for ugliness also groweth proudly and is strong.*

The author acknowledges the following references in the preparation of this article. The final reference (Weston) is particularly useful for those wishing to better understand the terminology specific to the flowers of proteaceous plants.

A.M. Blombery & B. Maloney (1992) *The Proteaceae of the Sydney Region*, pp 124-5.

A.M. Blombery (1968) *Australian Plants* Vol. 5, pp 352-4.

G. Butler (1977) Propagation of *Hakea bakeriana*, *Australian Plants* Vol. 9, pp 167-8.

I. Holliday (2005) *Hakeas*, pp 22-3.

P.H. Weston (1988) *Proteaceae*, *Australian Plants* Vol. 14, pp 259-63.



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Native plant profile

The difficult case of Rhamnaceae

John Knight continues his regular series, this time delving into the difficulties of 'pigeon-holing' plants.

I have always been fascinated by the names science applies to plants. When honouring a person, it is interesting to delve into the history of that person to see why such an honour should have been bestowed. The internet allows such investigation with ease; previously long hours were spent at major libraries conducting 'research'. But to me it is even more interesting when scientists have used characters of a plant in naming, as one can then see what the scientist saw, and hopefully use this stored information to remember the plant when next coming across it. For example, whilst it is nice to know that Sir Joseph Banks was honoured with the naming of *Banksia*, it is much more stimulating to find out that *Cryptandra*, from Greek *kryptos*, hidden, and *andros*, a man, has hidden its anthers within cupped petals. This is tangible evidence that we can see when taking a close look at the flowers with our 10x lens.



Rhamnaceae

In Australia, the family Rhamnaceae includes about 200 recognised species in 21 genera. About 90% of the species occur only in Australia. (Kellerman, 2004, *Telopea* 10(2): 515–524). Three of the best-known genera are *Cryptandra*, *Stenanthemum* and *Spyridium*.

The great botanist Robert Brown is credited with sorting through the difficult floral structure of the species of the confusing Rhamnaceae family that were collected in Australia in the early years of the nineteenth century. He published his 'General remarks, geographical and systematical, on the botany of Terra Australis' (1814) as an appendix of Matthew Flinders' 'A Voyage to Terra Australis'. In this he gave a detailed definition of the Family Rhamnaceae, describing all the important features which placed the various plants within this group. His description was so accurately prescriptive that it is still valid today.

My aim in this research was to verify the placement of the 'much travelled' *Stenanthemum scortechinii*. Over the years it has been moved to *Cryptandra*, then again to *Stenanthemum*, and has finally arrived at its 'correct home' as *Spyridium scortechinii* (Thiele and West).

Siegfried Reisseck first described *Stenanthemum* in 1858, separating some species from *Cryptandra* and *Spyridium*. George Bentham, (1863) noted that 'most of the genera, even the most natural ones, are difficult to characterise. The differences in their flowers and fruits are very trifling', but he decided to maintain the genera as proposed by Reisseck. But Ferdinand von Mueller (1883) found the differences 'so trifling' that he abandoned *Stenanthemum*, *Spyridium* and *Trymalium*, reducing them to synonymy with *Cryptandra*. In subsequent years various botanists tinkered with the classifications, but no definitive grouping was determined.

Kevin Thiele is currently the curator of the Western Australian Herbarium. He is well recognised for his research into Proteaceae. With Pauline Ladiges, he produced a paper on the taxonomic arrangement of *Banksia* based on cladistic analysis (see box). This resulted in the proposal to transfer *Dryandra* into *Banksia*, a decision still hotly debated. But Kevin is also charged with overseeing the treatment of Rhamnaceae for the *Flora of Australia* series, and for this work he has produced a succinct set of key points to establish the correct placement of *Cryptandra*, *Stenanthemum* and *Spyridium* within the family.

Cladistics is an approach to biological classification in which organisms are grouped together based on whether or not they have one or more shared unique characteristics that come from the group's last common ancestor and are not present in more distant ancestors. Therefore, members of the same group are thought to share a common history and are considered to be more closely related.

For ***Cryptandra***, a genus of about 40 species growing naturally from south-east Queensland, across southern Australia to south-west Western Australia, identifying features include:

- leaves that are revolute-terete with stipules that surround the base of the leaf petiole,
- inflorescence of single flowers with imbricate (overlapping) bracts around the base of the flower,
- a floral tube that may be short or long, but is distinct, and at the base of the floral tube there is a pentagonal shaped disk covered with short woolly hairs.

For ***Stenanthemum***, (from the Greek *stenos*, meaning narrow, and *anthon*, meaning flower, literally narrow-flowered), a genus of about

30 species, 23 of which occur only in south-west Western Australia, identifying features include:

- leaves which are usually broad and often folded, at least at the tip, with stipules that are free or joined behind the petiole,
- inflorescence is a dense cauliflower-like head of small white flowers surrounded by small or large floral bracts,
- the floral tube may be short or long, and at the base of the floral tube is a glabrous disk, shaped such that the staminal filaments appear to join the disk on extended, albeit short, arms.

For ***Spyridium***, (from the Greek spyridion, meaning a little basket, referring to specialized leafy bracts that surround the flowers of many species), a genus of about 40 species found through southern temperate Australia, identifying features include:

- leaves which are usually broad and rarely folded, with stipules that are free or joined behind the petiole,
- inflorescence is a cauliflower shaped head similar to *Stenanthemum* but usually looser, and surrounded by large floral bracts,
- the floral tube is very small, and at the base of the floral tube is a glabrous disk circular in outline but indented where the staminal filaments join.

For each of these three genera, the fruiting structure is distinctly different, and consistent, and is another key to determining where a particular species sits. The differences might appear minor, but are consistent within the now accepted groupings, and importantly for us, are morphologically discernable. DNA sequencing has confirmed the placement of various species within the recommended genera.

Maybe when next confronted with an unpopular name change, one should spare a thought for the intense and detailed studies undertaken by botanists before such apparently unnecessary changes are published.

Rhamnaceae for the garden

The tribe Pomaderreae within the Rhamnaceae family contains many desirable plants. Although not many are grown these days, early catalogues list a range of *Pomaderris*, *Cryptandra* and *Spyridium*. As changing weather patterns cause longer drier spells, perhaps the smaller plants of this group will again find favour as garden subjects.



Cryptandra amara. Photo: K Taliana



Spyridium scortechinii flowers in extreme close-up.

Plants to consider growing include:

Cryptandra amara, Bitter Cryptandra, growing naturally in open heathy country through the eastern states, is a slow growing dwarf or small shrub to 0.5m. It flowers from autumn through spring, and is happy in semi-shade or full sun. Like many in this group, *C. amara* tolerates dryness once established, and is a great filler in open rockeries.

Cryptandra ericoides, Heathy Cryptandra, from southern Queensland to south of Sydney on rocky heaths, is similar, or smaller than *C. amara*. Flowers are borne through autumn and winter. It prefers sun and good drainage. This was once a popular garden plant.

Cryptandra propinqua, Silky Cryptandra, growing naturally on drier heathy country from Queensland through NSW, Vic and into South Australia, is a compact, wiry, dwarf shrub to 40cm which flowers through winter and spring. It is a drought tolerant, showy, heavy flowerer, and is a great infill for rockeries in sun or semi shade

Spyridium scortechinii has a number of common names including Ball Cryptandra, Corroboree Flower and Cotton Bush, alluding to the very shaggy flower heads. It is found in SE Queensland and eastern NSW, and may be a prostrate or low mounding shrub. On the south coast of NSW, the best collection has been from a roadside cutting at Bodalla, on the Potato Point Rd. This form stays flat and spreads about 1m. There are forms described as growing to 2m high, but I have rarely come across any taller than about 0.5m. The plant is very accommodating in the garden, easily maintained and long-flowering, from autumn to early summer. Once established, the plants happily survive on little rain, and maintain a compact habit.

Spyridium cinereum, Tiny Spyridium, is a compact dwarf shrub to 0.5m,

with attractive grey foliage. It occurs in coastal heaths in the south east, from Nadgee to Mallacoota, and also in the Grampians. During spring and summer it is covered with masses of white flowers. In cultivation it does best in semi-shade, and needs some water until well-established.

Spyridium parvifolium, called Dusty Miller in reference to the roundish dull grey-green foliage, is possibly the most widely grown of this group, especially the dwarf prostrate forms from East Gippsland. This plant is found from SE NSW, through Vic to SE South Australia and in Tasmania. It is generally a low spreading plant, but some forms from wetter forests around Melbourne can be up to 1.5m high. An interesting feature is the whitish floral bracts below the numerous flower heads which appear from late winter to early summer. This very adaptable plant makes a lovely backdrop for smaller plants, especially in semi shade, where its soft greyish foliage is seen at its best.

Rarely do we see these plants in nurseries today, so we might need to grow our own.

Propagation of *Cryptandra* is a slow process, with cuttings of firm new growth often taking six months to root. Generally tip cuttings taken from February to April will be reliable. Flower buds should be removed.

With *Spyridium*, cuttings of just-firm new growth, taken from November to January do best, and, in my experience, growth from plants growing in semi-shade has proved most successful.

References:

Brown, R. (1814) *General remarks, geographical and systematical, on the botany of Terra Australis*, pp533-612 in *Matthew Flinders, A voyage to Terra Australis*, Vol 2

Bentham, G. and Mueller, F. (1863) *Flora Australiensis A description of plants of the Australian territory*, Vol 1, Rhamnaceae, pp409-445

Thiele, K. and West, J. (2004) *Spyridium burragorang (Rhamnaceae), a new species from New South Wales, with new combinations for Spyridium buxifolium and Spyridium scortechinii*, *Telopea* 10 (4), pp823-829

Elliot, R. and Jones, D. *Encyclopaedia of Australian Plants suitable for cultivation*, Vols 3, 9.

Find APS NSW

on Facebook at

www.facebook.com/APSNSW



APS NSW administration

Vice Presidents' Report

Mark Abell and Graeme Ingall, Vice Presidents of APS NSW

It is pleasing to report that our membership has increased by 100 since this time last year, which reflects ongoing efforts in several areas. The Board has formally re-established Illawarra District Group, and is working with members who would like to re-establish the Mid North Coast Group.

The annual Get-together hosted by Central Coast Group in August was a success, with over 90 members attending and non-members paying extra. Many of these non-members gained information from our website and the media, which shows the benefits of advertising. Hopefully, non-members will become members. In July, as part of the Growth and Promotion Action Plan, the Growth and Promotion Committee led by Rhonda Daniels conducted a well-attended publicity workshop which outlined various methods of advertising and promoting the Australian Plants Society. Many groups are already using some of these methods, and not all methods are appropriate for every group. For instance, groups are having community events in spring: Northern Beaches and North Shore Groups have had popular presentations of native flowers and plant sales in their areas.

Since the last issue and Board meeting, there have been several changes in the functioning of APS. With the resignation of Graeme Ingall as Secretary, the role has been split three ways on a trial basis: John Aitken, refreshed from his overseas holiday, will be our Secretary for legal and compliance issues; Rhonda Daniels will assist Joanna Moggridge as Secretary – Correspondence, and the two Vice Presidents, Mark Abell and Graeme Ingall, will assist with compilation of the minutes and the preparation of the agenda as Secretary – Board. Dan Clarke has volunteered for the role of Conservation Officer, with assistance from Bob Ross and Margery Street. In addition, to ensure groups without a delegate to the Board are represented, Mary Hedges will liaise with Macarthur, Nowra, South East Region, Southern Highlands and Southern Tablelands Groups, and Jim Ward will liaise with Armidale, Coffs Harbour, Hunter Valley and Tamworth Groups. These changes have resolved some of the vacant Directors' positions and relieved the pressure of those volunteering services. If there is any member who is able to be Treasurer or Publicity Officer or volunteer in another capacity, please contact either Vice President.

Sadly, we advise of the deaths of two very long-standing members. John Wrigley AM passed away on 17 July 2014. John was directly involved in development of botanic gardens, was author of many horticultural books including *Australian Native Plants* now in its sixth edition, and was granted Life Membership of the Society in 1967. Beryl Payne, wife of *Australian Plants* editor Bill Payne who was granted Life Membership in 1972, died on 1 July. Our thoughts are with their families.

Membership

Growth and Promotion

It's hard to believe that the summer holiday season is just around the corner. It's also hard to believe that the Growth and Promotion Committee has been hard at work for nearly 12 months.

The good news is that there are early signs that some of the changes the APS NSW Board has been making, such as the quarterly meetings, combined with the work of the Growth and Promotion Committee and District Groups, appear to be bearing fruit. For the first time in some years our membership numbers have increased. In the year to June 2014 we recorded nearly a 10% increase in memberships, from 1021 to 1120.

On 19 July 2014, Rhonda Daniels assisted by Committee members, led a very successful publicity workshop supporting District Groups to build their skills in promoting their activities and raising community awareness of APS NSW. Nine District Groups were represented by the 17 members who attended. A report on the workshop outcomes, along with the presentation and other resources discussed on the day, can be found at the members-only section of APS NSW website www.austplants.com.au.

Thanks to Angus Stewart for generously including information about the various Australian Plant Societies around Australia, including APS NSW, on his website *Gardening with Angus* www.gardeningwithangus.com.au. There's lots of information about Australian plants here for everyone.

All members have a role in ensuring APS NSW is strong and growing. Look out for our special gift membership reward on page 34.

To contact the Growth and Promotion Committee please email us at growthandpromotions@austplants.com.au.

APS activities in focus

APS Out and about

Kath Gadd, President of the newly reinvigorated Illawarra Group, tells us about a day of workshops with Angus Stewart on 26 July 2014

The new APS Illawarra Group has had a busy year so far. We have tried to hit the ground running with lots of outings to encourage new members and re-engage existing members. Our biggest event, a day of workshops with Angus Stewart, was held in July at the Illawarra Grevillea Park. We have been lucky enough to be given access to the Grevillea Park several times this year and we are hoping this wonderful native garden will become our semi-regular 'home'.

Over 60 people attended each of our two workshops and although the weather was unpredictable we all enjoyed ourselves and learnt a great deal. A special thanks to Angus Stewart for wearing his voice-box out for us – we really appreciate it, his workshops were informative and entertaining.

The morning began with a workshop on native plant propagation. Angus gave us an interesting talk on the different methods used for propagating particular native species. He also showed us an easy way of 'smoking' native seeds as an alternative to using smoke-water or infused granules. Angus simply scattered some *Actinotus helianthi* (Flannel Flower) seeds in a ceramic pot, covered them lightly with seed raising mix and then built a small fire on top from bark, twigs and a little bit of newspaper. This was then lit and left to burn and smoulder for about 5 minutes. The seeds would then be lightly watered. Smoke can provide a major boost to the germination of many Australian native plant





seeds. Some seeds actually require the smoke from bushfires to trigger germination when the rains arrive. We then all did some propagation ourselves, taking home 3 or 4 pots of cuttings with about 6 plants in each to care for at home.

We broke for an hour for lunch, which was provided on site by Fred's Bushtucker – a delicious BBQ and salad that was wonderful to enjoy sitting in the sun in the beautiful gardens.



The afternoon session was about pruning native plants and gave everyone a chance to wander around the gardens and listen to Angus give helpful tips on how to improve the flowering and form of the native plants in our gardens.

The Illawarra Group aims to have a get-together every month, which will be an outing, bushwalk or talk. If you are interested in getting involved, please register with our Facebook page – *APS Illawarra District Group* for updates.

If you are interested in becoming an APS Illawarra member please contact Kath Gadd at kath@malleedesign.com.au

New Conservation Officer

Dan Clarke, Conservation Officer, APS NSW

It is with much pleasure and enthusiasm that I have taken on the post of Conservation Officer for APS NSW. Before I tell you about myself, I would like to pay tribute to the efforts of my predecessor, Bob Ross from South East Region. Bob was in this role for a little over two years, strongly promoting the conservation of native species in-the-field, and the objectives of organisations such as the Better Planning Network. I wish Bob well in his other future endeavours.



I have been a member of the Sutherland Group for about three and a half years, and Conservation Officer of that group for about two years. My professional background includes an extensive career in bushland regeneration, supervising a range of groups including contractors, Bushcare volunteers, TAFE students and transition-to-work participants. I have a Bachelor of Science from the University of Sydney, majoring in Biological Science, with first-class Honours in Botany, and completed a Plant Science Internship at the National Herbarium of NSW (Royal Botanic Gardens, Sydney).

For the last three and a half years, I have been employed at an ecological consultancy as a botanical consultant which includes surveying and assessing vegetation as part of ecological sustainable development applications. I also teach Conservation and Land Management and Horticulture at TAFE NSW and coordinate a monthly Bushcare session in the Sutherland Shire. My diverse employment experience provides an excellent knowledgebase for tackling conservation issues on behalf of APS NSW.

In broad terms, I am deeply concerned with what I perceive as increasing community apathy towards biodiversity conservation, and the opportunities that suburban dwellers, specifically city kids, have to experience and learn about nature and wilderness.

As Conservation Officer, I aim to promote the conservation of our native flora, both at the species and ecosystem level. I have a keen interest in the research and conservation of threatened flora species, and am investigating APS NSW being a partner in the NSW Save Our Species Initiative. In addition, the current review of biodiversity legislation in NSW is highly relevant for APS. I can't promise to chase up all issues,

but I aim to make submissions on and report on issues that strongly relate to the aims of APS NSW.

I am always happy to hear about matters of biodiversity conservation that are important to members and can also provide advice on biodiversity legislation, so please feel free to contact me through office@austplants.com.au.

Future APS NSW event

APS NSW gathering – North Shore

7 March 2015

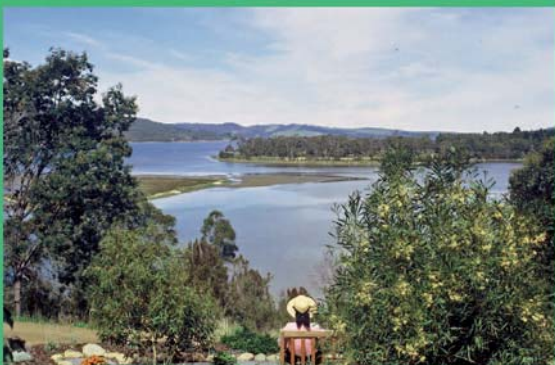
The first quarterly gathering in 2015 will be held on 7 March. The APS North Shore group will be hosting. The gathering will be at the Ku-ring-gai Wildflower Garden on Mona Vale Road at St Ives.

It is hoped that well-known garden personality Graham Ross will be the guest presenter on this occasion. Graham has been a long-time radio broadcaster (2GB) and is also active with *Better Homes and Gardens* on television and in magazine formats.

Anticipate plant sales, garden walks and a great day out for all native plant enthusiasts.

Inverawe Native Gardens

Tasmania's Largest Landscaped Native Garden



Be Inspired! Thousands of colourful native plants, stunning views, interpretive signs and bird life add to the experience.

Open 7 days,
1 September to 31 May,
9.00am last entry 6.00pm.
Behind the Margate Train,
15 minutes south of Hobart.

www.inverawe.com.au p 6267 2020 gardens@inverawe.com.au

Vale Beryl Payne

Merle Thompson, APS NSW Membership Officer

It is not often that we pay tribute to someone who has not been a member of the Society in her own right but in Beryl's case we cannot let her passing go without mention.



Beryl and Bill in their courting days.

Beryl was the widow of William H. (Bill) Payne who was editor of the *Australian Plants* journal for over 40 years. Bill was awarded both the ASGAP (now ANPSA) Australian Plants Medal (Amateur Category) and Life Membership of the Australian Plants Society NSW for his work.

It is a cliché to say that behind every successful man is a capable woman but in Beryl's case this is true and the Society benefitted greatly from her assistance.

Bill was involved with the Society from its inception and, as far as I can ascertain, some very early meetings, particularly of the East Hills Group, were held in Bill and Beryl's home.

The more I deal with what can be trials and tribulations in co-editing *Australian Plants* the more and more I appreciate what Bill achieved in doing this every three months as a solo effort for 40 years. A truly remarkable feat! And he did not have the benefit of computers, word processing and all the modern technology which we can use.

When my sister, Lyn, and I were involved with mailing the journals and met obstacles in getting them from the printer, it was Beryl's calm organisation which could help overcome the problems. She was a settling influence when relationships were strained between Bill and the APS Board, partly because others did not fully appreciate the demands of his role.

Lyn and I spent five wonderful days with Bill and Beryl on a Kangaroo Island post-ASGAP conference tour in 1997 and thoroughly enjoyed their company and appreciated the knowledge they both had of the flora.

When we were producing the 50th Anniversary Issue of *Australian Plants* in 2010, I was in touch with Beryl in order to write a tribute to Bill. She must have appreciated the letters I sent her as they were found with her belongings in her nursing home.

Thank you Beryl for being the support which enabled Bill to achieve so much for the Society.

District Group directory

District Groups are located in many areas throughout New South Wales and range in size from fewer than 20 to over 100 members. Group members are able to take part in many activities including bushwalks, bush regeneration and conservation projects. Regular meetings enable members to keep in touch with people of similar interests and to hear expert guest speakers. Contact the Secretary of a specific group for further information.

Armidale and District

President: Barbara Nevin ☎ (02) 6775 2128
Email: barbaranevin@hotmail.com
Secretary: Helen Schwarz ☎ (02) 6772 1584
PO Box 166, Armidale NSW 2350
Email: woshes@bigpond.com

Meetings: Native Plant Forum, TAFE Library Seminar Room, Beardy Street, Armidale
3rd Tuesday of the month at 7.30 pm (excluding December, January, June, July).

Blue Mountains

President: Dick Turner ☎ (02) 4839 5362
Secretary: Alix Goodwin ☎ (02) 4739 1571
PO Box 23, Glenbrook NSW 2773
Website: www.apsbluemtnsgroup.org

Meetings: Native Plant Reserve, Great Western Hwy, Glenbrook
1st Friday of the month at 8 pm (Sep-May) and
1st Sunday of the month at 10 am (Jun-Aug).
No meeting when there is an outing in the month.

Central Coast

President: Richard Street ☎ 0414 762 324
Secretary: Liz Hoesle ☎ (02) 4339 1274
Email: elizabeth44@optusnet.com.au

Meetings: Phillip House, 21 Old Mount Penang Road, Kariang
Generally 2nd Friday of the month (excl. Jan, Dec) at 7.30 pm but winter meetings on Saturday afternoons. Check website for details.
Website: www.australianplants.org

Central West

President: Gillian Baldwin ☎ (02) 6332 1583
Secretary: Lyn Burgett ☎ (02) 6331 9170
Email: l.burgett@bth.catholic.edu.au

Meetings: Bimonthly at alternating centres.
Contact the secretary for details.

Coffs Harbour

President: Dr M Duggan ☎ (02) 6649 3202
Email: morris@guarana.org
Secretary: Gwyn Clarke ☎ 0419 414 324
123 Sandstone Dr, Kungala NSW 2460
Email: gcl.38500@bigpond.com

Meetings: Coffs Harbour Botanic Gardens Display Room normally on the 2nd Wednesday of alternate months at 7.30 pm (excluding Jan).
Website: www.coffs.australianplants.info

East Hills

President: Graham Walters ☎ (02) 9534 3039
Secretary: Vacant
Meetings: Peakhurst South Primary School Library, Monterra Ave, Peakhurst.
1st Wednesday of each month at 7.30 pm (excluding January).

Hawkesbury

Contact: Arthur Rutter ☎ (02) 4577 3271
99 The Terrace, Windsor NSW 2756
Email: aande42@bigpond.com.au

Meetings: This group has been inactive but is keen to restart and is having a re-launch at the APS NSW gathering in November

Hunter Valley

President: Michael Belcher ☎ (02) 4930 1458
Secretary: Kevin Mantle ☎ (02) 4937 3200
29 Wallaroo Road, Seaham NSW 2324
Email: Mantlejanet@yahoo.com.au
Meetings: The Polish Hall, Cnr Grant & Old Rose Sts, Maitland
3rd Wednesday of the month (Feb-Nov) at 7.45 pm.

Illawarra

President: Kath Gadd ☎ 0414 333 475
Email: kath@malleedesign.com.au
Keith Hunter ☎ 0481 599 008
Email: keithjohnhunter@gmail.com
Facebook: type 'APS Illawarra' in the Facebook search bar.

Activities: This group is aiming to have an activity each month – check the Facebook page or contact the leaders.

Continued page 32

Membership application and renewal form

Those members associated with a Group should renew directly with their Group Office Bearer.

Please print clearly and include all person/s covered by this membership.

Date: _____ Application Renewal

Surname/s: _____

Given name/s: _____

Address: _____

Postcode: _____

If renewing, is this a change of address? Yes No

If Yes, previous Postcode: _____

Telephone (____) _____ Business (____) _____

Fax (____) _____

Email _____

Renewing members: We/I belong to a District Group Yes No

Group Name: _____

We/I belong to the following Study Group/s:

New members:

Age: Under 16 17-21 22-39 40-59 60-79 80+

Interests/Skills: _____

Are you able to volunteer assistance in the Society's activities in an area convenient to you? Yes No

Gift membership: If you wish to give a subscription to a family member or friend, use this form or write out the full particulars. Include any personal card you wish to accompany the new member's pack.

Type of Membership: (Please select)

Rates as at 1 January 2011 (All prices are in AUD and include GST)

Individual \$50 Concession \$42
Joint Members \$58 Joint Concession \$50
Other overseas AU\$60

Note: Joint membership applies to two persons at the same address. Each receives a membership card.

A concession is available to Seniors, people on a limited fixed income and full-time students. This also applies to joint memberships where one person is entitled to a concession.

Type of concession: _____

Donation to APS NSW Amount: _____

Payment method (please selected method)

Cheque **Money order** payable to Australian Plants Society NSW Ltd

Or charge my **MasterCard** **Visa Card**

Card Number:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Card holder's name: _____

Expiry date: _____ Card holder's signature: _____

CVV/CSC: _____ (The last three digits printed on the signature panel on your card)

APS Membership Card No: _____ (renewing members)

POST TO:

Australian Plants Society NSW Ltd
Membership Officer
PO Box 3066
BOWENFELS NSW 2790

OR

FAX TO:

Membership Officer
(02) 6351 2384

Please direct all membership inquiries to:

Phone: (02) 6352 3805 Email: merleaps@bigpond.com

Receipts/statements for tax purposes will be supplied only if a stamped self-addressed DL-size envelope is provided.

District Group directory continued

Macarthur

President: Kevin Matthews
Secretary: Rod Bray ☎ (02) 4647 9928
147 Holdsworth Drive, Mt Annan NSW 2567
Email: yarbdor@westnet.com.au
Meetings: Jack Nash Club Rooms, Nash Place
Currans Hill NSW 2567. 3rd Wednesday of the
month at 7.30 pm (Feb-Nov).

Menai

President: Jason Cockayne ☎ (02) 9570 8559
Secretary: Annette Tuckfield ☎ (02) 9543 1490
Email: menaiwildflower@austplants.com.au
PO Box 3104, Bangor NSW 2234
Meetings: Illawong Rural Fire Service.
2nd Wednesday of the month at 7.30 pm
(excluding January).

Newcastle

President: Leanne Pattinson ☎ (02) 4977 2773
Email: president.aps.newcastle@gmail.com
Secretary: Maree McCarthy ☎ (02) 4943 0305
Email: secretary.aps.newcastle@gmail.com
Meetings: The Wetlands Centre, Sandgate Rd,
Shortland
1st Wednesday of the month at 7.30 pm
(excluding January).

Northern Beaches

President: Conny Harris ☎ (02) 9451 3231
Email: conny.harris@gmail.com
Joint Secretaries:
Jan Krone ☎ (02) 9938 3857
Julia Tomkinson ☎ (02) 9949 5179
PO Box 393 Dee Why NSW 2099
Meetings: Stony Range Botanic Garden, Dee
Why. 1st Thursday of the month at 7.30 pm
(February-November).

North Shore

President: Barry Lees ☎ (02) 9653 3691
Email: barrylees99@bigpond.com
Secretary: Wendy Grimm ☎ (02) 9144 5600
PO Box 344, St Ives NSW 2075
Email: secretary@blandfordia.org.au
Meetings: Willow Park Community Centre,
25 Edgeworth David Ave, Hornsby.
2nd Friday of the month at 8 pm (Feb-Nov).
Website: www.blandfordia.org.au

Nowra

President: Lesley McKinnon ☎ (02) 4443 4004
Secretary: Gwen Smith ☎ (02) 4443 3497
PO Box 140, Sanctuary Point NSW 2540
Email: rapidpulse@bigpond.com
Meetings: Nowra Town Band Hall,
174 Kinghorne St, Nowra. 2nd Thursday of the
month (Feb-Nov) at 7.30 pm sharp.

Parramatta and The Hills District

President: Tony Maxwell ☎ (02) 9651 6682
Secretary: vacant
Meetings: Bi-monthly meetings 2 pm on 4th
Saturday of Feb, April, June, August, Sept and
Nov at Gumnut Hall, Gumnut Place, Cherrybrook
Website: www.apsparrahills.org.au

South East Region

President: John Knight ☎ 0434 674 347
Secretary: Mog Bremner ☎ 0401 968 899
Email: mogbremner@mogajon.com.au
Meetings: Alternating locations, contact
President or Secretary. 1st Saturday of odd
numbered months. Field trips and other
functions at other times.

Southern Highlands

President: Wendy Johnston ☎ (02) 4883 6376
Secretary: Jane Pye ☎ (02) 4862 3750
Email: iandjpye@gmail.com
Meetings: CWA Room, next to council building
in Elizabeth St, Moss Vale. Bimonthly at 2 pm on
the 1st Thursday of February, April, June, August
and November.

Southern Tablelands

President: Bob Galland ☎ 0407 248 154
Email: rcgalland1@bigpond.com
Secretary: Gudrun Delbridge ☎ 0417 651 811
Email: gudrun.delbridge@gmail.com
Meetings: Only when essential – our group is
concentrating on walks and other activities.

Sutherland

President: vacant
Secretary: Rhonda Daniels ☎ (02) 9521 8381
Email: rhdaniels@bigpond.com
Meetings: Gymea Community Centre, Gymea
Bay Rd, Gymea. 3rd Wednesday of the month
at 8 pm (February-November).
Website: www.sutherland.austplants.com.au/

Tamworth

President: Matt Cosgrove ☎ (02) 6765 2693
Email: cosgrove72@bigpond.com
Secretary: Kerrie Gray ☎ 0427 652 986
PO Box 1193, Tamworth NSW 2340
Email: dyso57@bigpond.com
Meetings: Botanic Garden Meeting Room.
10 am on 4th Saturday Feb to Nov. Outings
and field trips at other times – contact the
Secretary.

APS NSW Seed Bank update

John Randall, Seed Bank Curator

Requests for seed can be sent by mail to:

John Randall
8 Coachmans Place,
Mardi NSW 2259



An updated seed list was published in the April 2014 issue of *Native Plants for NSW*. This list can also be found on the APS NSW website www.austplants.com.au by selecting **Seed Bank** in the **Resources** pane on the Home page, or it can be accessed directly by pasting the following address into your browser austplants.com.au/seedbank

There is a limit of six seed packets per request. Inquiries can be made to John at johnannette@dodo.com.au or on (02) 4353 9390. Please enclose a stamped (\$1.40) self-addressed envelope (110 x 220 mm) for return of the seeds. Please address seed requests in alphabetical order and include a list of alternative selections.

Seed donations are always welcome and are vital if the seed bank is to remain viable. Please state the source of the seed, whether from natural or cultivated material. Please do not send seed from hybrid plants.

Additions: Nil

Deletions: *Angophora hispida*, *Brachychiton bidwillii*, *Banksia spinulosa*, *Hovea elliptica*, *Leptospermum liversidgei*, *Acacia ashbyae*, *Libertia paniculata*, *Pultenaea flexilis*.

Donors: None

APS NSW is not looking for a new seed bank curator

The information in the previous *Native Plants* was not correct. John Randall does not wish to retire as curator. What he would like is to see a more active seed bank. That means more donations, more withdrawals and hence a quicker turnover of seed. John does not profit from this, indeed it is more work for him. It is you the members of APS NSW who stand to benefit. If you want a seed bank then contribute to it, make use of it and grow more plants – try some species you haven't grown before or grow some old favourites again.

Membership

Gift membership reward

Just in time for Christmas, APS NSW is offering a \$10 Bunnings gift card to the first 50 members who purchase a gift membership to APS NSW for a family member, friend or work colleague. You can keep the gift card yourself or pass it on to your gift membership recipient.

The decision to offer a Bunnings voucher was made because Bunnings not only offers a large range of plants and garden supplies but has stores across NSW.

To participate, please complete the form on page 35 and return it to APS NSW, PO Box 5026, Old Toongabbie NSW 2146 by no later than 31 December 2014. Remember only the first 50 members to purchase a gift membership will receive a gift card.

There are of course some restrictions. Board members are excluded from participating in this offer, as are key office bearers of District Groups – Presidents, Vice Presidents, Secretaries, Treasurers and Membership Officers. Sorry folks!

We encourage you to participate in this trial offer to show your friends or family what APS NSW is all about. Remember we aim to double our membership over the five years ending June 2019.

Call for guest speakers

District Groups are always seeking good quality guest speakers for their regular meetings. Over the years District Groups have had many and varied guest speakers, including APS members, and the Society wants to develop a list of members who are willing to make presentations to other groups. If you have a prepared presentation and are interested in presenting to other groups, could you advise the office (see Contacts page inside the back cover) of your contact details, preparedness to travel, your topic(s) and any specific presentation requirements. This information will be placed in the members' section of the APS NSW website as a resource for groups to access.

Gift membership form for \$10 Bunnings gift card

Recipient of APS gift membership

Name (s) _____

Address _____

Email (if known) _____

Type of membership (includes GST)

Individual \$50 Individual – Concession \$42

Joint \$58 Joint – Concession \$50

A concession is available to Seniors, people on a limited fixed income and full-time students.

Purchaser of gift membership

Name _____

Address _____

Email _____

Payment details

Cheque or money order payable to Australian Plants Society NSW

Visa MasterCard

Card number ____ / ____ / ____ / ____

Expiry date __ / __

Cardholder's name _____

Cardholder's signature _____

Please post this form by 31 December 2014 to

APS NSW

PO Box 5026

Old Toongabbie NSW 2146

Inquiries office@ austplants.com.au or ph 9631 4085

SYLVAN GROVE NATIVE GARDENS

Spring Spectacular



Experience the delights of spring in a 1.5 hectare floral oasis.

Great range of flowering plants from all states of Australia, including Acacias, Anigozanthos, Banksias, Chamelauciums, Epacris, Grevilleas, Hakeas, Orchids, Prostantheras, Thomasias and many rainforest species.

The Gardens are open from 7.00am-3.00pm on weekdays all year, plus weekends from 16 August - 30 November 2014 from 9.00am - 4.30pm.

We are located at 7 Sylvan Grove, Picnic Point, Sydney.

ADMISSION FREE !!



For enquiries or to arrange a guided group tour, call (02) 9707 9699.

Vale Norman Keith McCarthy

Paddy Lightfoot, Newcastle Group

Members of the Australian Plants Society NSW were saddened to learn of Norm McCarthy's death at the age of 92.



Image from Grevillea Study Group Newsletter 99

Although Norm spent his life in Toowoomba, he was a member of the Society for Growing Australian Plants NSW. He was a Life Member of his local Toowoomba Group of SGAP, serving for many years on their Committee and as the Group's Technical Officer.

Norm worked for the Queensland Department of Primary Industry as a gardener at the Wheat Research Institute. He put the skills he developed in horticulture into growing his own garden. His daughter Linda remembers that he was always interested in plants – mostly in what he could grow in the 'vegie patch' as a youngster.

As soon as he was inoculated with the 'Australian plant disease', Norm transformed a one acre block of ornamentals in Toowoomba into a wonderful garden of Australian native plants. He did allow his wife Win a small garden of roses.

Norm's pride and joy was his elevated garden of grevilleas. He was a member of the Grevillea Study Group and communicated many articles, written laboriously by hand to the leader, Peter Olde. His most recent article, written in 2009, featured the very popular *Grevillea* 'Peaches and Cream'. In 1992 Norm collected the holotype of *Grevillea quadricauda* in the Helidon Hills district of Queensland.

Merv Hodge recalls that when he visited Norm's garden there was an extensive display of grevilleas including many grafted specimens and the best *Grevillea scortechinii* that Merv had ever seen.

Norm developed *Callistemon* 'Pink Champagne' (next page) which he presented for promotion and sale through the horticultural trade to Fairhill Nursery in Queensland. All members of Norm's family have this bottlebrush growing in their gardens and a photo of the flower featured at his funeral on the cover of the service booklet.

Norm always warmly welcomed visitors and enthusiasts to his garden and he corresponded with many visitors for years following their visit. I was fortunate to visit the McCarthy home on several occasions.

At age 80 Norm moved to a smaller garden and immediately replaced all the existing flora with his beloved Australian plants.



Members of APS NSW will miss Norm and we extend our sympathy to Linda and all the family. As we remember Norm we acknowledge the fine legacy he has left us all.

Norman Keith McCarthy was born 8 November 1921 in Sydney and passed away on 28 November 2013 in Toowoomba. He qualified as a Surgical Splint Maker and Pathology Technician at the Royal Prince Alfred Hospital. In 1952 he moved to Queensland. He was predeceased by his loved wife Win, in November 2012 and is survived by their five children, nine grandchildren and seven great grandchildren. One of his favourite grafted grevilleas was *Grevillea* 'Molly' which reminded him of his late granddaughter.

Norm was a regular contributor of articles to *Native Plants for NSW* over many years – his contributions arrived unsolicited but greatly appreciated. Brian Walters re-published several of his articles in 'Australian Plants online' and they are still on the website:

'Isopogon and Petrophile': anpsa.org.au/APOL2006/dec06-3.html

'The Genus Kunzea': anpsa.org.au/APOL2006/aug06-s3.html

'Prostanthera – The Mint Bushes': anpsa.org.au/APOL2007/apr07-1.html

'Correa – Wild Fuchsia': anpsa.org.au/APOL24/dec01-6.html

'Graptophyllum ilicifolium': anpsa.org.au/APOL2008/jun08-s2.html

'Beaufortias in Toowoomba': anpsa.org.au/APOL2007/aug07-s3.html

Also, from *Australian Plants*, Sept 1988: 'The Adaptable and Rewarding Crowea': anpsa.org.au/APOL18/jun00-5.html

APS NSW Website update

Mark Abell, APS NSW Vice President and Website Manager

Previous articles have focused on how to use the APS NSW website www.austplants.com.au and how to access the wide range of members-only content on the website. This article looks at some other aspects of the website and what APS NSW can do to help District Groups in addition to hosting and running the APS NSW website, Facebook page and YouTube channel. But first, how can you help.

What can you do to help?

While we have many people helping out, we can always use more help. Here are some of the possibilities.

- If you are comfortable with Facebook or have lots of photos, we can always use some additional Facebook content creators and moderators.
- If you have some videos that you can add to the APS YouTube channel, Liz Aitken would love to hear from you.
- If you have some articles to add to the website, we need some website content creators to add to the over 150 articles already provided by Warren Sheather and Jeff Howes.
- If you have any more technical web skills, then I'd be happy for any additional website help and assistance.

If you want to help or for more information contact me on webmaster@austrplants.com.au or office@austrplants.com.au

Using the APS NSW Facebook page to promote group events

With over 700 'likers', the APS NSW Facebook page reaches more people than any of the group pages. If your group is having an event, the details can be posted onto the APS NSW Facebook page to reach a wider audience. This is most easily done if your group already has a Facebook page, as the group can create its own post which can then be 'shared' on the NSW page. Facebook provides lots of useful information about who sees your posts and the demographics of your 'likers'.

Accessing resource material

In the members-only part of the website there is a lot of useful resource material. We want to expand what is available for the use of members and district groups. For instance, in the 'Growth and Promotion' area (in the 'User Menu' – lower left), there is a section on Logos and APS

Branding that has copies of the APS logo in a range of formats for use by groups. There is a range of other promotional material in this area.

Hosting websites

The APS NSW website hosting plan has sufficient capacity to host websites for all of the district groups. This can be done in one of two ways – through either a sub-domain or a full-domain hosting.

Sub-domains are the simplest and are for those groups who do not already have a website domain of their own. Sutherland, East Hills, Menai and Nowra Groups use this option.

Domain hosting is what those groups who are paying to have their website hosted are using. Currently only Armidale Group (www.aps-armidale.org.au) is using the APS NSW web hosting for their domain. Those groups who already have a hosted domain can opt to transfer their domain hosting to the APS NSW web host.

Any group that wants to take up one of these options for web hosting should contact me or the office.

Cover images

***Banksia aemula* (Wallum Banksia) by Sarah Cains**

This plant has been living happily in a wide, shallow pot for 8 years on a north-facing terrace in Mittagong. Here it is in flower and bud ready to feed passing visitors. Photographed in November.

In the wild *Banksia aemula* is a bushy shrub or small tree to 8 m. It grows in low sclerophyll woodland and tall shrubland (wallum) on consolidated sand dunes and sandy flats which can be seasonally waterlogged. It is found in coastal areas north from Sydney and into Queensland.

***Telopea speciosissima* x *oreades* (Shady Lady Waratah) by Sarah Cains**

In our garden at Mittagong in the NSW Southern Highlands.

Telopea 'Shady Lady' is probably the most commonly grown waratah hybrid. It lacks the density of flowers that *T. speciosissima* has in the inflorescence but is easier to maintain in cultivation than the natural species. It is a large, bushy shrub reaching about 3 metres high. It requires similar growing conditions to *T. speciosissima*.

[Thanks to Sarah who responded to my requests for cover images. More good photos of wonderful Australian plants and gardens are always welcome – Ed.]

New members October 2014

Merle Thompson, Membership Officer

The Australian Plants Society NSW warmly welcomes the following 69 new members (54 memberships) and wishes each of you a long, rewarding and enjoyable association with the Society.



Cheryl Bawhey	Glenbrook
Ross Bembrick	Thirroul
Violet Blackstock	Glenbrook
Jennie Breeze	Jamberoo
Julie Briody	North Epping
Steve Callaghan	Mt Riverview
Joe Carter & Anna Hernell	Kiama
Gerda Cohen	North Turramurra
Ann Marie Collaery	Bulli
Diane Connolly & Daniel Udovicic	Faulconbridge
Cathryn Coutts & Owen Conlan	Robertson
Mark Da Silva	Bundeena
Sybille Davidson	Bawley Point
Genevieve Duggan	Bargo
Justin & Kerry Eckersley	Merimbula
Sally & Robert Edwards	Kundabung
Lorena & Graham Ethell	Sylvania
Lynette Fryer	South Granville
Wendy & Jenny Gallagher	Engadine
Keith Hunter & Rachael Taylor	Bulli
Glenda Jones	Araluen
Kirsty Kinch	Mt Colah
Terry King	Coffs Harbour
Catherine Lewis	Bowral
Maxine MacKenzie	Kanwal
Kevin McMahon	Kootingal
Janice Martin	Catalina
Andrew Miles	Faulconbridge
Virginia Milson & Geoffrey Hassall	Bronte
John Morgan	Telopea
Roslyn Mort	Berowra Heights
Margaret Petrie	Kiama
Ruth & Bob Pulford	Batehaven
George Pund & Allison Wyands	Bonnet Bay

Mary & Wayne Read	Blaxland
Geoff Rice	Shell Cove
Sally Rigden & James Lee	Gordon
Jan & Jim Riley	Illawong
Riverside Nursery	Bathurst
Bernard Stone	Glenhaven
Melissa Talbot	Penrose
Wendy Valentine	Meadow Flat
Anthea Whitlam & Brendan Lauer	Springwood
Ann Woods	Tea Gardens
Kate Worth	West Wollongong
Helen Yoxall	Springwood
Oren Zeevi	Israel

We welcome back former members

Graeme Davies	Menai
Bill de Belin	Winston Hills
Geoff Densley	Kyogle
Monique Payne	Eagle Vale
Laura Pellizzeri	Menai
Michele Veness	Mosman
Miss Polina Volkova	North Parramatta

Direct Deposit Payment Option

Members are reminded that membership renewal payments may be made by direct deposit either at a bank or via the internet. Direct deposit reduces the costs for APS compared to paying by credit card. Bank details for direct deposit are as follows:

Commonwealth Bank of Australia (CBA)

Account Name: Australian Plants Society NSW Ltd

BSB: 062 217

Account No: 0090 7163

Please note that you must include your membership number and surname as a reference when paying by direct deposit. It is essential that we can identify the depositor so we can record that you have paid. Your membership number is the six-digit number which can be found on your membership card and also above your name on your journal mailing envelopes.

Growing eremophilas in containers

Charles Farrugia, member of the Eremophila Study Group

For the last fourteen years my passion has been growing eremophilas and I have around 66 species in my garden in western Sydney. With no horticultural qualifications, all my knowledge about eremophilas has been gained from reading the Eremophila Study Group newsletters, attending meetings of the Sydney Branch of the Study Group and learning from some founding members, Russell Wait and Ken Warnes on their visit to Sydney a few years back. Russell and Ken have more than 100 years of eremophila growing experience between them.

Why do I grow eremophilas?

When I bought my first eremophila there was very little knowledge in the Sydney region about this genus, and only a handful of growers. It was thought eremophilas were too hard to grow and maintain in Sydney because they couldn't handle the wet and humid Sydney summers. I do not know why, but to someone with very limited gardening knowledge, this became a challenge.

Apart from the occasional and initial purchase of tube stock species from interstate native plant nurseries, my plants have been grown or grafted by members of the Sydney Branch of the Eremophila Study Group or by myself from cuttings kindly donated by Ken Warnes.

My garden is far from being a landscaped garden. I just look at it as an experimental eremophila garden. It doesn't have to please anyone, just give me more knowledge about how this genus reacts to the Sydney environment.

I grow eremophilas in my garden and in pots. I use pots to consolidate my collection and to allow me to grow species that in the ground would cover too large an area.

E. bignoniiflora x polyclada
and *E. divaricata x polyclada*
'Summertime Blue', together
in the same container growing
beside the driveway.





Eremophila bowmanii in a pot



Close-up of flower of *E. bowmanii*.
Wikicommons

Some successful eremophilas in pots

Eremophila bignoniiflora x *polyclada* is a large open shrub, growing to 5m x 4m. This has been growing together with *E. divaricata* x *polyclada* (Summertime Blue) in a Styrofoam box with drainage holes in the bottom for the last eight years. Both plants are 1.2m x 0.8 m and flower every summer.

E. polyclada (3m x 5m) is from the late Noel Gane's garden. My two potted plants were 0.5m high and used to flower regularly, but have not responded favourably to some root pruning and re-potting from two years ago.

E. sturtii (3m x 2.5m), is grafted on myoporum rootstock and has been in a pot for about five years. Each year it is covered with small pink flowers. It was pruned back for the first time last year to remove some dieback.

E. laanii (4m x 3m) needs regular pruning, otherwise it will become quite tangled.

E. decipiens subsp. *linearifolia* is a cutting from a 20 year old plant at our local school. Unfortunately, the parent shrub which was left to fend for itself throughout all those years, happily handling droughts and flooding rain, succumbed to a recent school cleaning-up exercise.

Other species I am growing in pots are *Eremophila complanata* (grafted), *E. lucida*, *E. nivea*, *E. nivea* x *christophori* (grafted), *E. mitchellii*, *E. bowmanii* (grafted) and *E. maculata*.

Growing eremophilas in pots

I grow my eremophilas in plastic pots, re-potting them into larger pots as the plants get bigger. The potting medium I use is native potting mix, mixed with normal potting mix (2:1) (because I managed to get some damaged bags of potting mix for half price). I add a bit of dolomite, potash and blood and bone to the mix. I use pebbles or gravel to mulch the surface. I do not believe eremophilas are particularly fussy about the medium they grow in, as long as that medium is not too heavy and is free draining. My experience is that although eremophilas will respond to an occasional good drenching of the pot (not the foliage), they will not tolerate water-logging. Apart from the initial feed they only get fertilised on rare occasions and they are fed with whatever I am using at the time – blood and bone, dynamic lifter or a liquid fertiliser. Perhaps if I had a more systematic feeding regime, I might get even better results.

If purchasing eremophilas to grow in pots, do not buy a well-established plant – it is better to buy tube stock.

In our garden watering is done with grey water from the bathroom or laundry. We use washing powder that doesn't contain phosphorous. During winter the pots are watered once a week and in summer every third or fourth day, but more often if they look stressed on extremely hot



Above: *E. warnesii* with flowers

Right: *Eremophila warnesii* which was named in recognition of Ken Warnes who founded the Eremophila Study Group.



days. As the pots are on a concrete driveway and next to a Colorbond fence, on very hot days they are moved to the shady part of the driveway for the duration of the hot spell. This is another advantage of having potted plants.

Humidity and eremophilas

The woolly-leaf species need to be kept in a sheltered location during wet spells. I lost a three year old potted *Eremophila mackinlayi* when it was left out in the rain during a wet and humid summer spell. Two beautiful woolly-leaf species that can be grown in a sheltered sunny location are *E. fasciata* and *E. warnesii* – just do not let the foliage get wet.

Ken Warnes advises that the larger the container the better, and to keep them in warm, dry, sunny positions.

The Sydney Branch of the Eremophila Study Group has established that quite a few *Eremophila* species can be grown in the Sydney region. In my experience, humidity is not a deterrent to growing eremophilas. However damp foliage on many eremophilas can be a killer, especially the woolly-leaved species. They need to be sheltered from rain as far as practicable. *Eremophila* in general seems to be a very resilient genus.



Close-up of *Eremophila laanii* flowers. Photo: Yallaroo.com.au

Study Groups notes

Rhonda Daniels, Study Group Liaison Officer

Thanks to Lesley and Neville Page from ANPS Canberra, the position of ANPSA Study Group Co-ordinator, advertised in the last issue, has been filled. But if you still want to read all the study group newsletters for free, consider the position of NSW Study Group Liaison Officer. After 5 years and many newsletters, I'm looking to hand-on the role as I take on other APS roles. It's a great opportunity for someone in a regional area who may not be able to attend meetings but wants to make a contribution. If you are interested, please contact me on rhodaniels@bigpond.com to find out what is involved.



Acacia Study Group (June 2014, No. 125)

The NSW Office of Environment and Heritage is seeking information about the threatened species *Acacia flocktoniae*, the Flockton Wattle, in order to develop a management program. The species is found only in the southern Blue Mountains at Mt Victoria, Megalong Valley and Yerranderie.

The latest version of the WATTLE identification key for Australian *Acacia* species is now available at www.lucidcentral.org. WATTLE version 2.2 includes 1,274 taxa which is 109 more than in the original version of WATTLE published in 2001.

Boronia and Allied Genera Study Group (June 2014, No. 2)

The group is seeking feedback on growing and purchasing boronias, and has had an inquiry from a conservation botanist at the Royal Botanic Gardens on experience in the propagation of *Asterolasia*, one of the smaller and less known but attractive genera allied with *Boronia*.

Study Group Leader Doug Coates advises that boronias are prone to excessive root growth in pots. If nursery stock is held too long, the plant is likely to perform poorly when transplanted so it is always wise to check the root mass prior to purchase. The best time to plant boronias (like most other species) is autumn as less attention to soil moisture levels is required, which is one of the important criteria for growing boronias. This allows for roots to grow well and spread before the plant endures its first summer. This means paying careful attention to soil moisture levels during the first summer, remembering not to over-water, particularly in hot weather.

Hakea Study Group (June 2014, No. 55)

The Hakea Study Group is one of those groups with field trips, and is having a 'hakea crawl' in Western Australia in September. It also has a seed bank, and the leader advises he still has seed available of many species.

There are reports from members on their hakea successes and failures in different environments. Please do not forget to look at your hakeas when they are flowering to see what is pollinating them.

Grevillea Study Group (July 2014, No. 98)

The Grevillea Study Group is also active with field trips and this newsletter issue has a report on the 2013 field trip searching for *Grevillea lanigera*. There is a field trip in the Sydney region on the October long weekend.

Dryandra Study Group (July 2014, No. 67)

Here's a tip for opening dryandra seed capsules. Getting seeds out of their capsules, especially the hard woody ones, can be difficult. Cutting the top of the capsules is time consuming and heating them runs the risk of cooking the seeds. Here is a good way to do it: simply hold the capsules by the pointed (seed) end, with tweezers or long-nosed pliers, in a candle flame for one to two seconds. Usually, a small flame will shoot out horizontally – often with an audible pop. The capsules will split open at the top and the two valves can be prised apart.

The issue notes many of the rare dryandras are sadly becoming even rarer, with a feature on *Dryandra montana*.

Garden Design Study Group (August 2014, No. 87)

This issue features another interesting article on garden design – *Order or disorder?* by Diana Snape. Some of Diana's thoughts: Nature IS ordered, according to its own rules. A natural landscape is ordered – by evolution, heredity and environmental factors. Designing a naturalistic or informal garden successfully is far more difficult than designing a formal one. There's no easy formula for designing the layout of an informal or naturalistic garden. Australian plants really can help us 'get it right'. They still have to obey nature's rules to flourish, so, if we make a practical mistake with positioning our plants, they'll correct it one way or another. This helps give the garden a more natural 'structure'.

The Canberra garden of the Study Group Leader will feature on one of five new stamps to be issued by Australia Post in September to celebrate 25 years of Open Gardens Australia. The stamp features an image of rocks, winding path and shrubs taken by Dr Ben Walcott (see opposite page, top).



Eucalyptus Study Group (April and July 2014, No. 61 and 62)

This issue has a wide range of articles including tree grafting as a way to bring koala habitat to urban areas, research that old trees work faster at storing carbon, recipes for making eucalyptus tea and cough lollies, and CSIRO research which discovered gold particles in the leaves, twigs and bark of eucalyptus trees.

Australian Plants as Bonsai Study Group (June 2014, No. 26)

A recent national exhibition showed that bonsai artists have moved both in the direction of using Australian species with traditional styling intentions and mannerisms, as well as branching out to embrace their views of what Australian trees look and feel like.

There is a report on being naturally inspired by looking at eucalypts as bonsai – inspired by unbelievable colour combinations and textures in all parts of these great trees. The detail of how the ‘line of trunk and branch’ move through space is subtle but at the core of the eucalypt experience. There is no one ‘eucalypt’ pattern. At the other end of the size range, there’s also discussion of *Eremophila maculata* as bonsai.

Fern Study Group (August 2014, No. 131)

An article by Study Group Leader Peter Bostock on some shortcuts in the identification of ferns in Australia focuses on *Adiantum*. He believes that it is better to find a single diagnostic feature, if one exists, to separate two fern species that might be superficially similar (to the less well-trained eye) than to have to run through a long list of distinguishing features.

The Fern Study Group has monthly outings in the Sydney region.

Brachychiton & Allied Genera Study Group (June–July 2014, No. 41)

This newsletter issue features lots of photos, and smaller forms of brachychitons. The group will be sharing information at the FJC Rogers seminar on *Brachychiton* and allied genera in Bendigo, Victoria in October.

Waratah and Flannel Flower (August 2014, No. 7)

Membership is now free for individuals and APS groups, as the newsletters are emailed twice a year in May and November. Contact Study Group Leader Maria Hitchcock at maria.hitchcock@gmail.com. Yes, it is that easy to get access to information on waratahs and flannel flowers. This issue includes scale on waratahs and two less well-known *Actinotus* species – *A. minor* and *A. forsythii*.

2015 ANPSA Conference in Canberra

The program will explore the genesis of the Bush Capital and its development as a Garden City. We will also investigate current research on native plant systems and habitat recovery. Featured speakers include: David Headon, David Lindenmayer, Ian Fraser, Angus Stewart, Penny Olsen and David Watson. The program will

emphasise the work of Study Groups with reports from their leaders.

Sat 14 Nov: Optional (extra cost) trip to the Brindabella Range with Ian Fraser

Sun 15 Nov: Free culture bus from AIS to Parliamentary Triangle institutions

Mon 16 – Fri 20 Nov: Morning talks and lunch followed by afternoon bus trips to the ANBG, National Arboretum, nature parks and private gardens.

Sat 21 Nov: Optional (extra cost) trip to the Brindabella Range with Ian Fraser

Field trips: Pre-conference trip to the coast visiting nature reserves and private gardens.

Post-conference trip to the subalpine areas of Namadji National Park

Expressions of interest: To receive updates please email your contact information to conference2015@anpsa.org.au or post to Conference 2015, P.O. Box 187, Deakin West, ACT 2600



Study Groups directory

Fees are listed as Australia/Overseas/Email

Acacia (\$10/\$20/\$7)

Leader: Bill Aitchison
13 Conos Court
Donvale, VIC 3111
☎ (03) 9872 3583
Email: acaciastudygroup@gmail.com

Australian Plants as Bonsai

(\$14/\$20/\$14)
Leader: Roger Hnatiuk
PO Box 450, Jamison Post Office
Macquarie ACT 2614
☎ (02) 6251 2228
Email: rjhnatiuk@yahoo.com.au

Banksia (\$10/\$20/\$7)

Leader: Cas Liber
PO Box 83, St Pauls NSW 2031
☎ (02) 9559 2656
Email: casliber@ozemail.com.au

Boronia & Allied Genera (\$10 email)

Leader: Doug Coates
305/87 Yarranabbe Rd
Darling Point NSW 2027
☎ (02) 9363 0619
Email: doug.coates@bigpond.com

Brachychiton and Allied Genera (\$5/\$10)

Leader: Kerry Rathie
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Correa (\$10/ – /\$6)

Leader: Cherree Densley
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Admin & Editor: Russell Dahms
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Athelstone SA 5076
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Email: rdahms@internode.on.net

Dryandra (\$10/\$12/\$5)

Leader: Margaret Pieroni
22 Ravenhill Heights
Denmark WA 6333
☎ (08) 9848 3331
Email: mpieroni@bigpond.com

Epacris (\$5/\$10/\$5)

Leader: Gwen Elliot
81/72 Kangan Drive,
Berwick VIC 3806
☎ (03) 8774 2483
Email: gwenelliot@optusnet.com.au

Eremophila (\$5)

Leader: Colin Jennings
4 Kinnaird Cres
Highbury SA 5089
☎ (08) 8264 6490
Email: cje97694@bigpond.net.au

Eucalyptus (\$10/\$20/\$5)

Leader: Warwick Varley
PO Box 456, Wollongong NSW 2520
☎ (02) 4284 5282
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Admin: Sue Guymer
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Donvale Vic 3111
Email: aitchguy@gmail.com

Fern (\$5)

Leader: Peter Bostock
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 Kenmore QLD 4069
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 Email: ppostock@ozemail.com.au
 Treasurer: Dan Johnston
 9 Ryhope Street
 Buderim QLD 4556
 Email: dan.b.johnston@bigpond.com

Garden Design (\$15/\$20/\$6)

Leader: Ben Walcott
 10 Wickham Cres
 Red Hill ACT 2603
 ☎ (02) 6161 2742
 Email: bwalcott@netspeed.com.au

Grevillea (\$10/\$10/\$5)

Leader: Peter Olde
 140 Russell Lane
 Oakdale NSW 2570
 ☎ (02) 4659 6598
 Email: peter.olde@exemail.com.au
 Treasurer: Christine Guthrie
 32 Blanche Street
 Oatley NSW 2223
 Email: brucemoffatt@tpg.com.au
 ☎ (02) 9579 4093

Hakea (\$10)

Leader: Paul Kennedy
 41 Stodart Street
 Colac VIC 3250
 ☎ (03) 5321 5569
 Email: hakeaholic@gmail.com

Hibiscus and Allied Genera

(\$10/\$20/\$5)
 Leader has recently passed away
 Contact ANPSA Study Groups
 PO Box 191
 Lawnton QLD 4501
 Email: jansked@bigpond.com

Wallum & Coastal Heathland (\$5)

Leader: Barbara Henderson
 36 Railway Terrace
 Moore QLD 4306
 ☎ (07) 5424 7073

Waratah and Flannel Flower (free)

Leader: Maria Hitchcock
 16 Hitchcock Lane
 Armidale NSW 2350
 ☎ (02) 6775 1139, 0421 961 007
 Email: maria.hitchcock@gmail.com

The following study groups are all in recess and require new leaders.

Australian food plants**Australian plants for containers****Calytrix****Daisy, the Australian****Fabaceae****Isopogon and Petrophile****Orchids, Indigenous****Palm and Cycad****Prostanthera and Westringia****Rainforest****Rhamnaceae****Succulents, Native****Verticordia****Wetlands (and Water Plants)****Wildlife and Native Plants**

For more information contact Rhonda Daniels, the APS NSW Study Group Liaison Officer, at:
rhodaniels@bigpond.com.

District Groups' diary

Compiled by Jan Carnes, Blue Mountains Group

All members are welcome to attend Group meetings. For further details on another Group's activity that you may be interested in attending, contact that Group's secretary.



If your Group has an activity that you would like included here, email details to the APS NSW office.

You can also view the current Group diaries and any recent updates or changes on line at the APS NSW website at www.austplants.com.au.

October 2014

Date	Day	District Group	Event
1	Wed	East Hills	Meeting 7.30 pm at Peakhurst South Primary School Library, Monterra Ave, Peakhurst. Speaker
		Sutherland	Children's Day. From 10am at Burnum Burnum Sanctuary. Plant- related activities, bush walks and a sausage sizzle!
		Newcastle	Meeting 7.30 pm at The Wetlands Centre, Sandgate Rd, Shortland. Speaker: Peggy Svoboda on the Anniversary of the Wetlands
2	Thu	Northern Beaches	Meeting 7.30 pm at Stony Range Botanic Garden, Dee Why
4	Sat	Southern Tablelands	Walk to East Bangadilly
		Menai	Meeting 1 pm at Illawong Rural Fire Brigade Services, Old Illawarra Rd, Illawong. Speaker
		Armidale	1 pm to 3 pm Arboretum Working Bee
5	Sun	Southern Highlands	Outing: Walk on the Box Vale Track, Mittagong
8	Wed	Coffs Harbour	Meeting 7:30 pm at Botanic Gardens Display Room, Hardacre St, Coffs Harbour. Speaker: M Duggan on West Australia's Goldfields
		Menai	Working Bee IRFB 9am to 12 noon
		Parramatta and Hills District	Propagation 10 am at Bidjiwong Community Nursery
9	Thu	Nowra	Meeting 8 pm at Nowra Town Band Hall, 174 Kinghorne St, Nowra

October 2014 continued

Date	Day	District Group	Event
10	Fri	North Shore	Meeting 8 pm at Willow Park Community Centre, 25 Edgeworth David Ave, Hornsby. Speaker: Greg Bourke on Australia's Amazing Carnivorous Plants
		Central Coast	Meeting 7.30 pm at Phillip House, 21 Old Mount Penang Rd, Kariong
11	Sat	Blue Mountains	Meeting 10 am at Native Plant Reserve, GWH, Glenbrook. Speaker: Margaret Baker on plant ID
12	Sun	Menai	Meeting 10.30 am at Silky Oaks, Oakdale. Speaker: Angus Stewart on Garden Design with Natives
		Central Coast	Woy Woy tip to Mount Wondabyne – BWNP
13	Mon	North Shore	Walks and Talks: Callistemons, Kunzeas and Melaleucas (Myrtaceae)
13 – 17	Mon – Fri	Sutherland	Midweek Outing to the Mudgee Area to explore Dunn's Swamp, Ferntree Gully and more
15	Wed	Sutherland	Meeting 8 pm at Gynea Community Centre, Gynea Bay Rd, Gynea. Speaker: Shauna Chadlowe on Australian Wildlife Conservancy
		Macarthur	Meeting 7 pm at Jack Nash Club Rooms, Nash Place, Currans Hill
		Hunter Valley	Meeting 7.45 pm in Polish Hall, corner of Grant and Old Rose Streets, Maitland
18 – 19	Sat – Sun	Armidale	Mole Station weekend
18 – 19	Sat – Sun	FJC Rogers Seminar	Biennial seminar hosted by APS Bendigo. The topic is Brachychiton and Allied Genera. For more information see Australian Plants Winter edition p4 or go to www.apsvic.org.au/FJCR
19	Sun	Menai	Walk in the Blue Mountains
20	Mon	North Shore	Walks and Talks: Waratahs and other Proteaceae
21	Tue	Newcastle	Midweekers: Teralba Landcare
		Armidale	Native Plant Forum 7.30 pm in TAFE Library Seminar Room, Beardy St, Armidale. Maria Hitchcock will demonstrate propagation
25	Sat	Tamworth	Meeting 10 am at Botanic Garden Meeting Room

October 2014 continued

Date	Day	District Group	Event
26	Sun	Armidale	8 am to 1 pm Markets in the Mall
27	Mon	North Shore	Walks and Talks: Grasses (Poaceae)

November 2014

Date	Day	District Group	Event
1	Sat	APS NSW Quarterly Gathering (Hawkesbury)	To be held in Windsor. See p 10 for more information. Speakers: Jessica Mowle (Wollemi Pine) and Kath Gadd (garden design).
1	Sat	Armidale	1 pm to 3 pm Arboretum Working Bee
		Southern Tablelands	Plant survey of the Middle Arm Rd reserves
		South East Region	Meeting at alternating locations. Contact President or Secretary
		Menai	Meeting 1 pm at Illawong Rural Fire Brigade Services, Old Illawarra Rd, Illawong. Speaker
1 – 2	Sat – Sun	Coffs Harbour	Weekend Event – Botanica
3	Mon	North Shore	Walks and Talks: PlantNET
5	Wed	Newcastle	AGM and Meeting 7.30 pm at The Wetlands Centre, Sandgate Rd, Shortland. 3 Amigos Items of Interest
		East Hills	Meeting 7.30 pm at Peakhurst South Primary School Library, Monterra Ave, Peakhurst
		Armidale & District	1 pm – 3 pm Arboretum working bee
6	Thu	Northern Beaches	Meeting 7.30 pm at Stony Range Botanic Garden, Dee Why
		Southern Highlands	Meeting 2 pm at CWA Room next to council building, Elizabeth St, Moss Vale. Speaker: TBA
8	Sat	Blue Mountains	Glenbrook Day plant stall
10	Mon	North Shore	Walks & Talks: Bird Walk (9 am start)
12	Wed	Coffs Harbour	Meeting 10 am at Botanic Gardens Display Room, Hardacre St, Coffs Harbour. Speaker: Brian Hawkins on Birds and Plants
		Menai	Working Bee IRFB 9 am to 12 noon. AGM and meeting at 7.30 pm at Illawong Rural Fire Brigade Services, Old Illawarra Rd, Illawong. Speaker: Tony Hilton on Wildflower Photography Assessment

November 2014 continued

Date	Day	District Group	Event
12	Wed	Parramatta and Hills District	Propagation 10 am at Bidjivong Community Nursery
13	Thu	Nowra	Meeting 8 pm at Nowra Town Band Hall, 174 Kinghorne St, Nowra
14	Fri	Central Coast	Meeting 7.30 pm at Phillip House, 21 Old Mount Penang Rd, Kariong
		North Shore	Meeting 8 pm at Willow Park Community Centre, 25 Edgeworth David Ave, Hornsby. Speaker: Margarita Clayton on Lomandra and Xanthorrhoea
16	Sun	Central Coast	Cruise – TBA
17	Mon	North Shore	Walks and Talks: Leptospermum and Baeckea (Myrtaceae)
18	Tue	Armidale	AGM and Native Plant Forum 7.30 pm in TAFE Library Seminar Room, Beardy St, Armidale. Plant ID quiz with John Nevin and Phil Rose
		Newcastle	Midweekers: Garden Visit
19	Wed	Hunter Valley	Meeting 7.45 pm in Polish Hall, corner of Grant and Old Rose Streets, Maitland
		Macarthur	Meeting 7 pm at Jack Nash Club Rooms, Nash Place, Currans Hill
		Sutherland	Meeting 8 pm at Gymea Community Centre, Gymea Bay Rd, Gymea. Speaker: Sharon Bowen on the Ecology of the Gymea Lily
22	Sat	Tamworth	Meeting 10 am at Botanic Garden Meeting Room
		Parramatta and Hills District	Meeting 2 pm at Gumnut Hall, Gumnut Place, Cherrybrook
30	Sun	Armidale	8 am to 1 pm Markets in the Mall

December 2014

Date	Day	District Group	Event
3	Wed	East Hills	Meeting 7.30 pm at Peakhurst South Primary School Library, Monterra Ave, Peakhurst. AGM and Christmas social
		Newcastle	Christmas Party
5	Fri	Blue Mountains	Christmas Party Native Plant Reserve, GWH, Glenbrook from 6 pm

December 2014 continued

Date	Day	District Group	Event
6	Sat	Southern Tablelands	AGM and Christmas Lunch
		Armidale	1 pm to 3 pm Arboretum Working Bee
7	Sun	Coffs Harbour	Christmas Event
		Armidale	Christmas Lunch at Patrick Laher's place in Uralla
		Southern Highlands	Christmas Party
9	Tue	Newcastle	Midweekers Christmas Party
10	Wed	Parramatta and Hills District	Propagation 10 am at Bidjwong Community Nursery
		Menai	Working Bee IRFB 9 am to 12 noon 6 pm Christmas Social Evening
12	Fri	North Shore	Christmas Party

Advance Notice

Date	Day	District Group	Event
7 Mar 2015	Sat	APS NSW Quarterly Gathering (North Shore)	To be held at Ku-ring-gai Wildflower Garden, it is anticipated that Graham Ross will be the guest speaker.

Great Native Plant Photos

Many APS members are keen and capable photographers. The evidence is plain to see in some of the group newsletters. This journal also needs good quality images to adorn its pages. If you have outstanding photos of native plants please share them with other members by contacting the editor via the office. I am pleased to say that several members with excellent images have come already come forward in response to this request. Members will be enjoying the benefit in the pages of *Native Plants for NSW*.



Advertising in Native Plants for NSW

Size	Members		Non-members	
	Single Issue	4 Issues	Single Issue	4 Issues
Full page	\$122.50	\$416.50	\$175	\$595
½ page	\$63	\$214	\$90	\$306
¼ page	\$31.50	\$107	\$45	\$158.50

Membership discounts

Discounts are available from the following organisations to Society members who present their current membership card.

Sydney

☼ **All GreenGold Nurseries**
5% discount, except on landscape materials, garden design services or discounted merchandise.

☼ **Florilegium**
The Garden Bookstore
65 Derwent St, Glebe 2037
PO Box 644, Rozelle 2039
☎ (02) 9571 8222.
Mon–Sat 10am–6pm, Sun 11am–5pm.
10% discount on some titles. Please check before purchasing.

☼ **Forests NSW Nurseries**
10% discount on all potted lines. West Pennant Hills, Narrandera and Dubbo.
For locality details
☎ 1800 000 123
www.forestrycorporation.com.au/business/nurseries

☼ **Sydney Wildflower Nursery**
9 Venno St, Heathcote 2233
www.sydneywildflowernursery.com.au
10% discount

Armidale

☼ **Cool Natives**
Retail mail order nursery
16 Hitchcock Lane Armidale 2350
Open by appointment only
☎ (02) 6775 1139
0421 961 007
Email: maria@coolnatives.com.au
www.coolnatives.com.au
10% discount

Blue Mountains

☼ **Glenbrook Native Plant Reserve Nursery**
Great Western Highway,
Glenbrook 2773
☎ (02) 4739 8597
Sat, Sun, Wed. 12 noon–4pm.
10% discount to members,
20% for roster participants.

Central Coast

☼ **The Wildflower Place**
453 The Entrance Rd, Erina Heights 2260
☎ (02) 4365 5510
5% discount

Central West

☼ **Wombat Gully Native Nursery**
1729 Coxs Creek Rd, Rylstone
☎ 6379 6202
10% discount

Hunter Valley

☼ **Muswellbrook Forest Nursery**
New England Highway,
Muswellbrook
☎ (02) 6543 2622
Email: mfn@hlmaus.com.au
www.muswellbrookforestnursery.com.au
M–F 8.30am – 4.30pm
Weekends 10am–3pm
10% discount

Nepean Valley

☼ **Darvill Nursery**
Darvill Rd, Orchard Hills 2748
Contact for price list or arrange to visit beforehand
☎ (02) 4736 5004
www.darvillnursery.com.au
10% discount

Newcastle

☼ **Leearne Neal at Newcastle Wildflower Nursery**
260 Lake Road, Glendale 2285
☎ (02) 4954 5584
Open 7 Days 9am–5pm.
10% discount

North Coast

☼ **Bonny Hills Garden Centre,**
1055 Ocean Drive, Bonny Hills 2445
☎ (02) 6585 5764
10% discount on all plant purchases

☼ **Greenbourne Nursery**
Oxley Hwy, Wauchope 2446 (opp. 'Timbertown')
☎ (02) 6585 2117
10% discount

Mildura

☼ **Native Nursery, Mildura**
10% discount on the purchase of any native plants or other products, including the Watertube ordered online at www.nativenursery.com.au

South Coast

☼ **Wildgems Native Nursery**
Illawambra Valley Road,
Yowrie 2550
☎ 0427 937 398
Wholesale / retail nursery.
Please ring and arrange day before arriving.
10% discount

☼ **Verdigris Fern Nursery**
Currowan Creek 2536
Mail order is available through the website which includes useful information on fern cultivation. The nursery is open by appointment.
☎ (02) 4478 1311.
Email: verdigrisferns@gmail.com
Wholesale price for APS NSW members

APS NSW contacts



APS NSW Office

Email: office@austplants.com.au

Website: www.austplants.com.au

Facebook: www.facebook.com/APSNSW

Postal address: PO Box 5026, Old Toongabbie NSW 2146

Office: Shop 1, 33 Emma Crescent, Wentworthville

Office hours: Wednesday 9 am to 3 pm

Phone: (02) 9631 4085

Administration Officer: Joanna Moggridge

Financial Officer: Sharlene Cormack

Please contact office-bearers, internal Committees (Management, Publishing and Projects) and representatives through the office website or by phone.

APS NSW Office-bearers after AGM on 17 May 2014

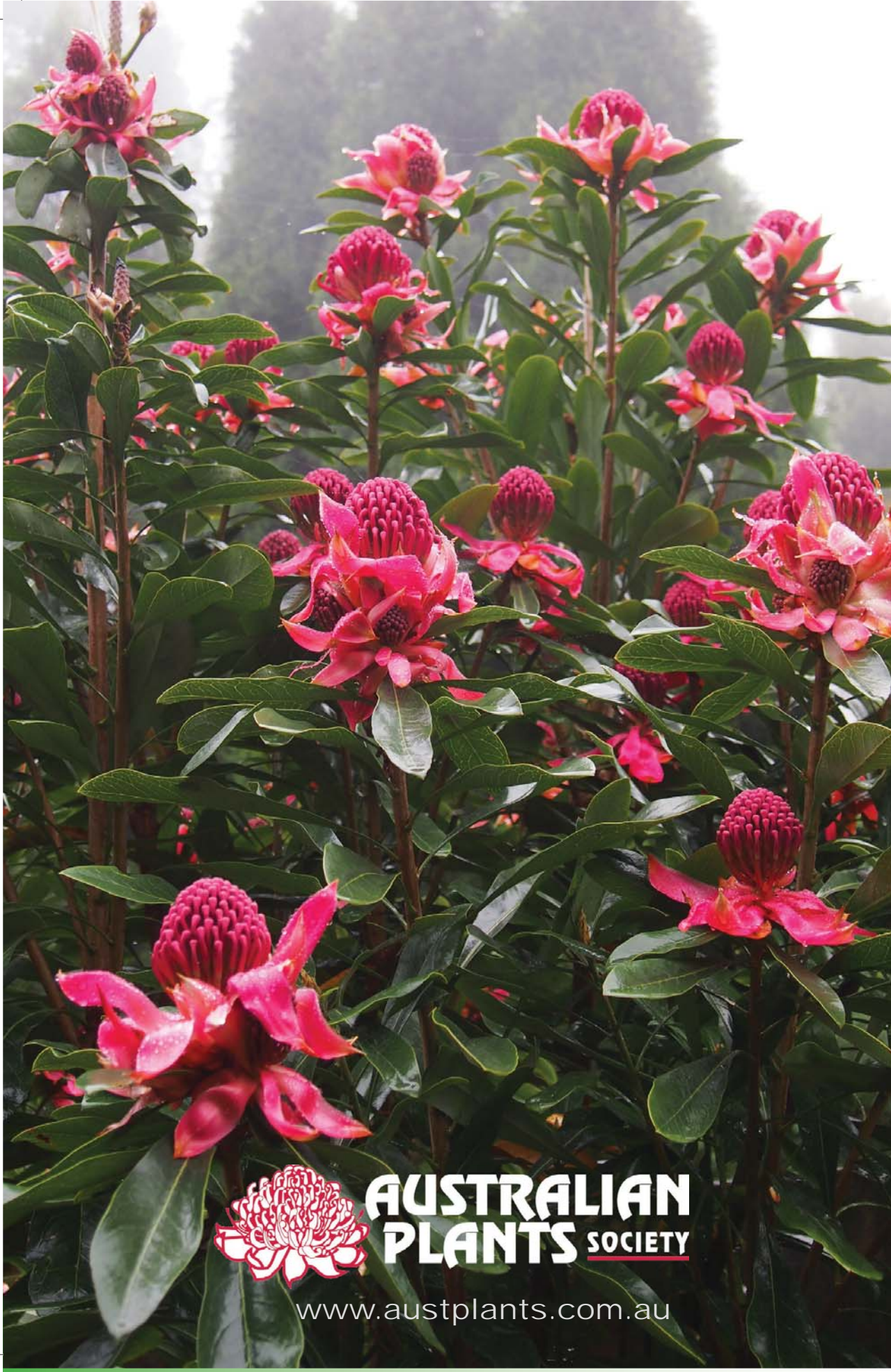
President	vacant
Vice Presidents	Mark Abell and Graeme Ingall
Honorary Secretary	John Aitken
Treasurer	vacant
Membership Officer	Merle Thompson
Company Co-ordinator	Alix Goodwin
Editors <i>Australian Plants</i>	John Aitken and Merle Thompson
Editor <i>Native Plants for NSW</i>	David Crawford
Publicity Officer	vacant
Program Officer	Tony Maxwell
Property Officer	Roger Starling
Conservation Officer	Dan Clarke
Study Group Liaison Officer	Rhonda Daniels
Seed bank curator	John Randall
Website managers	Mark Abell and James Ward

APS NSW Board members at 1 June 2014

Mark Abell, Rhonda Daniels, Carolyn Gillard, Alix Goodwin, Mary Hedges, Graeme Ingall, Harry Loots, Tony Maxwell, Merle Thompson, Roger Starling and James Ward

APS NSW Representatives to external bodies

ANPSA Council	Mark Abell and Rhonda Daniels
Australian Cultivar Registration Authority	David Murray
Australian Flora Foundation	Ross Smyth-Kirk
Burrendong Arboretum	vacant
Native Flower Growers and Promoters	Jonathan Steeds
Nature Conservation Council	Margery Street
Open Garden Scheme	vacant
External Book Service	Florilegium, The Garden Bookstore



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