

NEWSLETTER  
SPRING 2016  
NUMBER 89

# FRIENDS OF THE WAITE ARBORETUM INC.

[www.communitywebs.org/friendsofwaitearb](http://www.communitywebs.org/friendsofwaitearb)

## FORTHCOMING EVENTS

### FRIENDS OF THE WAITE ARBORETUM EVENTS

#### Free Guided Arboretum walks

The first Sunday of every month  
at 11.00 am.

Walks meet at Urrbrae House

#### Film *A United Kingdom*

Sunday, Jan 22, 2017 at 3pm

Capri Cinema. Enquiries and  
bookings please contact  
Marilyn Gilbertson: 82716112 or  
[marilyng@adam.com.au](mailto:marilyng@adam.com.au)

## WHAT'S ON AT URRBRAE HOUSE

### Combined Friends Christmas celebration

Monday December 5, 2016

5.30 - 7.00 pm

More details at:

[http://www.adelaide.edu.au/  
waite-historic/whatson/](http://www.adelaide.edu.au/waite-historic/whatson/)



**Patron:** Sophie Thomson

**President:** Beth Johnstone OAM, **Vice-President:** Marilyn Gilbertson OAM

**Secretary:** Meg Butler, **Treasurer:** Dr Peter Nicholls

**Editor:** Eileen Harvey, **email:** [eileengarden@y7mail.com](mailto:eileengarden@y7mail.com)

**Committee:** Robert Boardman, Ron Allen, Dr Wayne Harvey, Terry Langham,  
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**Photography:** Eileen Harvey



*Eucalyptus cylindriflora*, White Mallee

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## From the President

In my last report I made the suggestion that we could do with some rain. Well, we have had some. These winter months have provided us with lots of rain and this has brought a burst of growth of weeds and grass throughout the Arboretum. Some of the growth has been of unwelcome weeds. That has raised the issue of when to mow and how to manage the growth levels to ensure the best outcome for the community who uses the Arboretum. As well as encouraging the weeds, the rain impeded the mowing.

One of the worst weeds in the Arboretum is Caltrop (*Tribulus terrestris*). It has almost indestructible burrs with long sharp spines which attach themselves to shoes and clothing. Please avoid walking through Caltrop and be careful not to spread the burrs in the Arboretum.

As spring brings new growth and the return of leaves it is a pleasure to live in proximity to such a wonderful space with its many delights.

A very pleasant afternoon was spent watching wonderful pictures and listening to Eileen Harvey recount plant encounters from her travels in Namibia, during August.



The Bee Hotel is still a very popular spot within the Arboretum and the postcards remain an easy way to introduce the topic to

visitors. It rivals the Labyrinth as "most visited" within the precinct.

The committee was able, with a generous grant from the Rose Society, to ensure that the pond where the fountain had been was refurbished earlier this year. In fact, Dr Gardner made sure that the three ponds were all done at the same time. The outcome has proved to be a great success,



with the wonderful designs created by Silvio Apponyi proving to be very popular. Maintaining the water level just below the level of the stainless steel gives emphasis to the delicate and elegant tracery of the design.

The Curator Dr Jennifer Gardner is currently on long service leave and we are fortunate to have Dr Kate Delaporte acting in her place. It is a pleasure to welcome her formally to this place with which she is so familiar because of her work with eucalypts.

As you know Dr Gardner celebrated her thirty years of working at Urrbrae in May. This set the committee to considering a suitable method of acknowledging this remarkable service to the community, beyond her formal job role.

A perpetual scholarship for arboriculture students was unanimously supported. It was agreed that funds for this purpose be retained in a discrete fund within the FWA accounts to ensure that it is applied only to this purpose. Members who wish to make a donation for this fund are invited to contact our Treasurer Dr Peter Nicholls.

The address is: PMB 1, Glen Osmond S.A. 5064

We are hoping that this endeavour will gain members support.

Beth Johnstone OAM

Photos Erica Boyle



**The Friends of Urrbrae House,  
the Waite Arboretum and the  
Waite Conservation Reserve**

are invited to a joint

**Christmas  
Celebration  
at Urrbrae House**

**Monday,  
5 December 2016  
5.30 pm – 7.00 pm**

Proudly supported by  

**THE UNIVERSITY  
of ADELAIDE**

*Join us for drinks, light  
refreshments, Christmas cake;  
carols around the piano.  
No RSVP required.*





## Arboretum news - from Dr Kate Delaporte

I'm delighted to provide you with an update on the Arboretum, now that I have been sitting in Jennifer's chair for about 8 weeks, on and off.

RAIN. I think that sums up the Winter and Spring in the Arboretum! The rainfall and the resultant growth, of both trees and weeds! I'm not 100% familiar with the way the Arboretum bursts into life after winter, but this year has been stunning. The significant rain events in September and October created a lot of problems; the perfect storm of rain, wet ground, plant growth, rain, wet ground, weed growth, making management difficult.

During my walk on Monday I observed so many birds, butterflies and insects in the long grass, it seems such a shame to have to mow it down, but the safety of all of our patrons is our primary concern. Fortunately, we did not suffer much wind or storm damage to the trees themselves.

I'm looking forward to the strong and healthy growth of the trees after the rains! It has been a pleasure to sit in Jennifer's chair and to be involved in the many different facets of the Arboretum, and I look forward to seeing you all at the Christmas gathering in December.

Kate

## More Arboretum news from Dr Jennifer Gardner

I am delighted that Arboretum Officer Erica Boyle has had her contract for the position renewed until the end of 2017. Erica's hours are from 9 – 3 pm on Tuesdays and Fridays. As one of her many roles listed in the last newsletter, she leads the tree survey volunteers, collecting data on all the mature Arboretum trees to quantify their environmental values. You can see the shade value of each of the 1,000+ specimens measured to date in the latest Waite Arboretum App (v2.0). This version is web-based and so uses very little space on your device. Warmest congratulations Erica! You are a great asset to our team.

Over the last few months while I have taken annual and long service leave Dr Kate Delaporte has been Acting Curator responsible for managing the Waite Conservation Reserve as well as the Waite Arboretum and Urrbrae House Gardens. Many



thanks Kate for your support and so capably stepping into the role. You are an inspiring colleague and bring many skills as a research scientist in the field of ornamental horticultural as well as community engagement.

The Garden of Discovery and the breathtakingly beautiful Rose Gardens, so lovingly tended by our dedicated band of Tuesday morning volunteers, are a great attraction to visitors.

The Rose Garden was featured on Channel 7 weather 6/11/16. New volunteers are always welcome (contact Erica: [arboretum@adelaide.edu.au](mailto:arboretum@adelaide.edu.au)).



I acknowledge the sterling efforts of the Mediterranean Garden Society who have held five working bees in the Garden of Discovery this year – weeding, pruning and planting their d o n a t e d

specimens including the kangaroo paws which now make a stunning statement of entrance.

Members of the Palm & Cycad Society have put in many hours of effort tending and planting donated uncommon specimens to enhance the conservation value of the collection along the watercourse. Their contribution over more than 20 years is greatly appreciated.

The 2016 Treenet Symposium was again a success and it was good to have Day 2 return to the Arboretum for the workshops and forums. Thank you to the volunteers who assisted with Treenet.



I sincerely thank the Arboretum team – Kate, Erica and Andrew, my manager Stuart Matthews and Urrbrae House colleagues, the

Friends - especially the hardworking Friends' Committee, Arboretum guides and all the volunteers for their support during the year. I wish you all the very best for good health and happiness in the Festive Season and 2017.

Jennifer

Photos Erica Boyle and Jennifer Gardner



## FRIENDS OF THE WAITE ARBORETUM NEWS

### Vale David Barwick

The Waite Precinct lost one of their dedicated Tuesday volunteers with the death of David Sinclair Barwick on 8th August.

David, who really identified with the Arboretum and gardens, was one of the gardeners who gave their time each Tuesday to make the place beautiful and tidy. Although he had trouble with his back and hips, he kept turning up regularly to clean out the ponds and make sure that the weeds did not take over.

We were all saddened when we heard the news of his diagnosis of mesothelioma. Despite having chemotherapy treatment, David maintained his visits to Urrbrae as often as was possible. He also maintained his cheerful greetings to all, and wry observations on events.

He faced his disease with great courage and never lost that wonderful sense of humour.

He was farewelled by his family and friends on Tuesday 16<sup>th</sup> with a service at Blackwell Funerals on Greenhill Road.

### "THE HIDDEN LIFE OF TREES" - What They Feel, How They Communicate"

Forester and author Peter Wohlleben has written a book with the above title. Billed as an international best seller and claiming to draw on ground-breaking scientific discoveries, the complex life of trees is said to be like human families and communities - with tree parents nurturing their children, communicating with them, supporting them as they grow, sharing nutrients with the sick and even warning each other of impending dangers. It's worth reading. You may not be able to walk in the Waite Arboretum in the same way again!

Meg Butler

### Neutrog Australia

The FWA acknowledges the generous support of Neutrog Australia in providing their product for the 20<sup>th</sup> Century Rose Garden in the grounds of Urrbrae House.



## WE'RE MEMBERS OF A NATIONAL NETWORK

The Friends of the Waite Arboretum are now members of the Australian Association of Friends of Botanic Gardens. Your Committee decided to join this organisation as it provides a wonderful link with Friends of arboreta and parks as well as botanic gardens in Australia and overseas. The history, objectives and links to many kindred spirits are available on the website: [www.friendsbotanicgardens.org](http://www.friendsbotanicgardens.org). The Committee receives emailed copies of newsletters from other members of the AAFBG.

If you would like to receive any of these newsletters, please email [friendswaitearboretum@gmail.com](mailto:friendswaitearboretum@gmail.com) and ask for your request to be forwarded to the Secretary of the Friends of the Waite Arboretum.

Meg Butler

### NEW MEMBERS

We warmly welcome the following new members:

Mr Allan Plunkett, Parafield Gardens

Ms Angela Brennan, Blackwood

Ms Adrianna Ralph, Adelaide





## 17<sup>th</sup> National Treenet Symposium

The Symposium, "Healthy Trees - Healthy People", on 1<sup>st</sup> and 2<sup>nd</sup> September attracted an attendance of over 200 people from across Australia.

As in the past, volunteers from our Friends assisted with the organisational tasks of assembling program packs, organising name tags and servicing the registration desk.

The conference presentations were held at The Wine Centre and from informal feedback were well received. Professor Colin Butler, Professor of Public Health at the University of Canberra and visiting fellow at the Australian National University, gave the Bob Such key note address, "Forests, nature and the interacting global crisis".

"On the whole, in the last ten thousand years (the Holocene) Nature has been benign, forgiving and abundant. Humanity has flourished. However, unless we quickly alter our path, on a scale that today seems almost unimaginable, we will leave this sweet spot behind. Future nature will not be so benign. We risk a new Dark Age".

Other presentations focussed on developing the urban forest in ways which will enhance community health.

Videos and full texts of Professor Butler's and other presentations can be found at [www.treenet.org](http://www.treenet.org)



Sharon Currie

At the end of Day 1, awards were presented. Sharon Currie was given the Treenet Young Science Award for her project, "Monitoring water flow into Treenet Inlets". Sharon undertook this project with her father, Nigel Currie, science and maths teacher, for her SACE Research Project at the University Senior College.

The Treenet inlet was launched at the 2010 Symposium with a

single installation in the City of Unley. Several more were installed in an adjacent verge by the City of Mitcham and demonstrated at subsequent Symposia. Since then approximately 1000 have been installed in SA, Melbourne and Perth. How are they performing?

Sharon and Nigel demonstrated their new remote

monitoring device and data sender that can measure flow rates and volumes received through the inlets during rain events, with a view of tracking them in real time from a desk top. David followed this flow through the soil profile using moisture meters and by observing root development around the infiltration pits installed six years ago.



Nigel Currie.

Harsha Ravi Sapdhare, PhD student, University of SA, spoke of her research on the use of the Treenet Inlet with leaky well distribution systems as a cost effective tool to harvest first flush of road runoff in urban environment. Hopefully, her study will lead to increased stormwater reuse, so producing a greener Adelaide.

Workshops were also held on Pruning, Soil structures and Exploring natural play spaces. A team of young trainee horticulturists from the Botanic Gardens provided invaluable assistance with setting up and guiding groups around the Arboretum.



The gardens around Urrbrae House were lovely and the pear trees were in full bloom. Stunning aerial views of the precinct and Arboretum can be seen on the videos at the Treenet web site.

Ron Allen had a display in Urrbrae House of beautiful items he had made from a variety of wood collected from the Arboretum and tours of the House were available.



Congratulations to all who worked hard to make the Symposium such a success and in so doing brought many visitors to the Arboretum and Urrbrae precinct.

Marilyn Gilbertson OAM

Photos Erica Boyle and Terry Langham



# Pictures from the 17<sup>th</sup> National Treenet Symposium



Photos Erica Boyle and  
Terry Langham





## Waite Arboretum Australian Native plants win Royal Show Awards.

**Mission: 2016 Royal Adelaide Show Australian Native Plant execution.**



Late one Wednesday afternoon, the 7<sup>th</sup> of September, I, Tate Hancox, journeyed into the great unknown of the Waite Arboretum in search of the perfect Australian Native Plant specimen. For the next day I was to exhibit it in the Royal Agricultural and Horticultural Society of South Australia's Royal Adelaide Show.

My first stop was Dr Kate Delaporte's wonderful collection of eucalypts and *Eucalyptus* hybrids. Many of these consisted of crosses between *E. macrocarpa*, *E. youngiana* and *E. pyriformis*. Luckily for me I was able to gain an amazing amount of information from Dr Delaporte while she revealed the many wonders of her collection. I felt like a child in a candy shop and was amazed at the colour and size variation in the hybrids. As I marvelled at, and collected the *E. websteriana* ssp. *norsmanica* X *E. websteriana* ssp. *websteriana* with its heart shaped leaves I realised I was running out of time. Next, I was off to collect Banksias.

I made the treacherous trek across the Arboretum, with my precious eucalypts specimens, to the Banksias. There I searched high and low looking for

the perfect bloom. Alas, I had no luck. Most were either too old, damaged or too young. Although, I did secure a nice *Banksia ashbyi* specimen and *B. 'Waite Orange'*. On my way out I caught a glimpse a *B. pilostylis* that I had missed on my initial inspection of the plants. Upon further investigation I discovered an incredible group of flowers that proved to be spectacular. Once these specimens were acquired I was set for the competition the following day.

Thursday the 8<sup>th</sup> of September, I arose early to prepare for the days competition as the plants had to be staged for judging by 11am. When I arrived I required five trips from the car to carry all the entries into the Goyder Pavilion where the entries were to be submitted. During the last load of entries disaster struck when the bucket of entries overbalanced, crashing to the floor. Luckily very little damage was sustained. Staging required a couple of hours and lots of internal debating to ensure that only the best entries were submitted. In the end five of Dr Delaporte's large flowered eucalypt hybrids, the *E. websteriana* ssp. *norsmanica* X *E. websteriana* ssp. *websteriana* foliage, a *B. ashbyi* and a *B. pilostylis* were entered into four categories. Then all I could do was wait for the judging to occur.

After being held in suspense for over 24 hours the results were finally published online. The entries were awarded three firsts, a second, The Botanical Gardens Medallion Champion Novice Australian Native Bloom, Cut or Exhibit, as well as the Overall Novice Champion Australian Native Tree or Shrub. I was also awarded the Australian Plant Society (SA Region) Prize Most Successful Novice Australian Native Plant Exhibitor.

Thanks to the Waite Arboretum, Dr Kate Delaporte and Dr Jennifer Gardner for their support and I hope next year will be just as successful.

Students from Urrbrae High School, Ben Gallyer, Robbie Bruce and Findley Mc Kay and supported by teacher James Anderson, exhibited Banksia and eucalypts in the Open category, winning in several categories and also securing Champion Open Australian Native Bloom and Overall Open Champion Native Tree or Shrub. Urrbrae was awarded the Banksian Medal partly for their Native plant exhibits and for their orchid exhibits.

Tate Hancox, Photo Tate Hancox

## Hoverflies at 4000 metres above sea level

There are about 6000 hoverfly species in the world. Hoverflies mimic hymenopterans, which is the group of insects that includes ants, bees and bumblebees. Indeed, many people confuse hoverflies with bees and wasps, which is understandable considering that their shape, size and abdominal color pattern is strikingly similar to bees. It is believed that hoverflies mimic hymenopterans as defense against predators.



Figure 1 shows an *Eristalis* hoverfly feeding from a canola plant in the Chepten village at 2700 metres altitude in North Sikkim in the Himalayas.

However, by looking closely at the hoverfly photo

above it is clear that, compared with bees, hoverflies have larger eyes and shorter antennae. Furthermore, hoverflies fly differently. Indeed, hoverflies are named after their ability to hover near stationary mid-air, and some species are so good at this that it looks as if they are glued to an invisible holder. The males of some species use their hovering ability to attract females for courtship and mating.

Just like bees, hoverflies feed on nectar and pollen from a range of flowers, including native and introduced species. In doing this they pollinate the flowers. In agriculture hoverflies therefore serve a very important role as alternative pollinators, and in Europe *Episyrphus* hoverflies are used commercially in greenhouses. *Episyrphus* hoverflies are great for organic farming since the larvae eat aphids and the adults pollinate crops such as tomatoes and capsicums. With bee and bumblebee populations declining across the globe, the role of hoverflies in pollination becomes more and more important, including in agriculture.

In our research we aim to determine what factors attract hoverflies to certain flowers and not to others. For this purpose, the teams of my collaborator Dr Shannon Olsson at the NCBS in Bangalore and myself have collected olfactory and visual data from several hundred flowers in three very different climate zones, including



Figure 2 shows an *Eristalis* hoverfly feeding from a yarrow in Uppsala, Sweden, at an altitude of no more than about 15 metres.

temperate Uppsala, Sweden (Figure 2), tropical Bangalore, India, and the alpine Himalayas (Figure 1, 3). The reason that we collect data from several climate zones is that we are aiming to find attractive signatures that would ultimately be resilient to climate change.



Figure 3 shows spring primulas flowering in the Tangu valley in North Sikkim. The Tangu valley is located at an altitude just under 4000 metres above sea level.

Our data collection from the flowers in the three climate zones have shown us that it is a combination of color, shape and odour that together form attractive signatures for hungry hoverflies. This is interesting because previously it has been suggested that hoverflies go for anything yellow, and that other cues are not important, but this claim is not supported by our extensive field data. We have also found that attractive flowers in the three climate regions are quite different from each other.

We are currently testing our hypothetical attractive signatures by creating artificial flower lures (Figure 4)

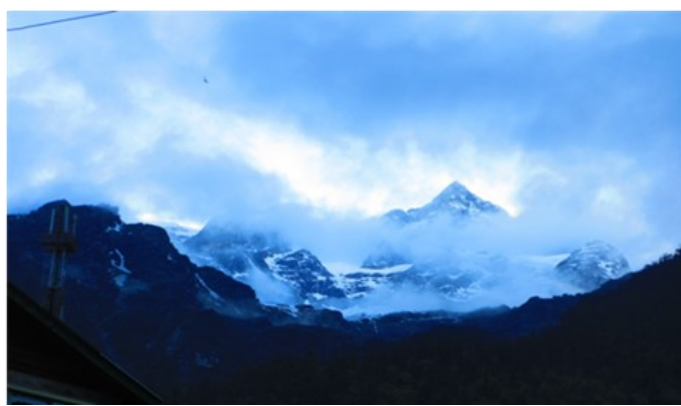




Figure 4 shows one of our fake flower lures, which turned out to be quite attractive for hungry hoverflies.

and placing them in the field in the same three climate zones. We then record how many hoverflies come to visit the flowers. Despite the flowers looking very fake and not having any nectar or pollen to offer the hoverflies, they are attractive to hoverflies! We are very excited about this finding as this implies that we could use artificial lures to attract hoverflies to areas where pollinators are needed. As scientists, we find it very interesting to note that the attractive signature is multi-modal, which implies that the hoverflies use olfaction *and* vision for identifying suitable flowers from which to feed.

The last few photos show some interesting flowers (a cobra lily, a native orchid, and a flower that reminded me of the lily-of-the-valley) from North



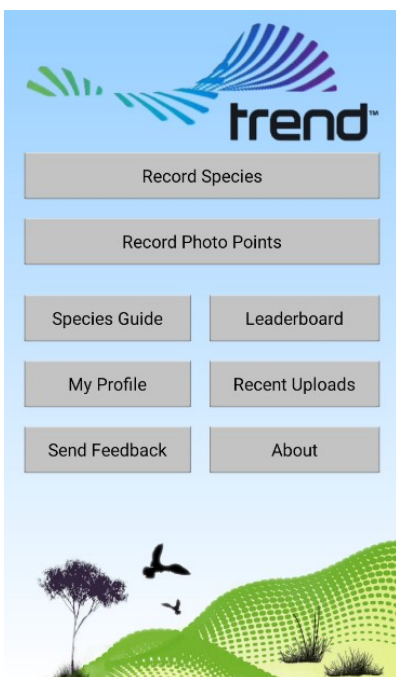
Sikkim, which is an amazing place to visit. It is very remote, and hard for foreigners to reach, but I found it to be worth the effort.

Karin Nordström, Flinders University

**(From the editor) Latest news:**

**The Australian Research Council has awarded Dr Nordström \$325,000 for a project on hoverfly vision designed to have applications for anti-collision control devices.**

## BECOME A CITIZEN SCIENTIST



If you are not a scientist, but you have ever wanted to be one, here is your chance to make your dreams come true. Become a scientist while contributing to fascinating scientific projects and allow your participation to generate a positive impact in your community.

You can find a wide range of options for getting involved,

depending on your scientific interests. You just need

to Google Citizen Science projects and a long list of projects from the most diverse disciplines worldwide will appear on your screen.

Citizen Science is a vibrant, creative and collaborative way of involving members of the public of all ages and backgrounds in contributing to data collection all across Australia. Community mapping projects that utilise simple technological devices such as smart phones and tablets have enabled broader community involvement and have turned Citizen Science into a brand new trend.

TREND, Transects for Environmental Monitoring and Decision Making, is an environmental monitoring program that I would like to introduce to you now. This dynamic program is continuously collecting data to assist natural resources and agricultural system managers with the ultimate goal of improving the management of the South Australia natural environment. To engage in this initiative, you



just need to get involved in its Citizen Science program, an open channel TREND created for people like you and me to collaborate in harvesting fresh data.

It is time to download your TREND App from your App Store. Getting involved is as simple as taking pictures of specific plants and animals you spot and uploading them into the TREND database. Don't forget to click on location services in the TREND App then all photos will automatically include the time and the GPS location that will help track those species. TREND researchers selected a group of native and introduced species that are sensitive to environmental changes, so tracking them will help to understand how ecosystems are changing and how species are responding to climate change and other environmental pressures.

The more contributions TREND researchers receive, the more they will learn about those changes. Therefore, it would be fantastic if you shared this information with your friends and relatives and encouraged their involvement too.

Don't miss out. Download the TREND App now and become a citizen scientist!

Transects for Environmental Monitoring and Decision Making (TREND) is a component of the Australian Transect Network, a long-term research and monitoring program dedicated to understanding how species and ecosystems change over space and time. The Australian Transect Network is a major initiative of the Terrestrial Ecosystems Research Network, a collaboration of scientists and policy experts across Australia dedicated to exploring and understanding Australia's ecosystems and agricultural systems.

For more information, visit: <http://www.trendsa.org.au/>

Erica Boyle

## LOCAL GUIDE FOR GOOGLE MAPS REQUIRED

If you considered that the idea of becoming a scientist was not your cup of tea, maybe this option suits you better. Become a Local Guide!

There are a wide range of opportunities to make the most of the day, surfing with one foot in reality



and the other lightly touching the virtual world. In this globalized world, there are infinite opportunities to be a kind, active citizen.

Here there is another creative way to help others: Local Guides is a global community of explorers, like you and me, sharing their discoveries and posting reviews on Google Maps locations. If you are like me and consult Google maps every time you are going to a new place, you probably press the pin to see the pictures and you find them very helpful.

Google maps is daily fed with images and reviews by users from all around the world. So, why not share your best spot in town and allow others to discover the world through your pictures. Why not introduce people to the beauties hidden in the Waite Arboretum and the Urrbrae House Gardens by uploading the pictures you take during your visits.

Local Guides encourages users to contribute to Google Maps by posting reviews, uploading photos, submitting new locations. Contributors earn points and progress through five levels, gaining exclusive benefits at each tier.

If you are interested in the idea of becoming a Local Guide, you just need to visit <https://www.google.com//local/guides/> to sign up and

Google Maps

8.000 visualizaciones

Tus fotos son un éxito.

Tus fotos han ayudado a otros usuarios más de 8.000 veces. Has establecido un nuevo récord personal en Google Maps.

9.035 visualizaciones



start sharing your best pictures! Mind that all your posts will be public. That means everybody may access them.

I joined Local Guides four months ago, many of my contributions are pictures of the Waite Arboretum and if you want to check what I am telling you, click onto Google maps, search for Waite Arboretum, the map will display the site with the typical red Google pin, click on it and you will find interesting information about the place but also the pictures I uploaded among others. A few days ago, I received an email coming from the Google maps team informing that my pictures have been helping people more than 8000 times! Isn't it awesome? If your answer is yes, join Local Guides now!

Erica Boyle



### WAIT!! POKÉMONS ARE IN THE WAITE!!

Don't be afraid, they are not dangerous!

Recently, many children -and not only children- have been seeing walking and running around the Urrbrae House Gardens, the Labyrinth and Waite Arboretum with their eyes jumping from their smart phone screens to

points in space where you cannot see a thing. However, they apparently can! For me to understand something about what was going on and what all this Pokémon global phenomenon is about, I needed to sit down with my 12 year old son Alfonso, and dive into the Internet with him for help.

I found out that Pokémon Go is a free-to-play game developed and released by American software development company Niantic in July this year. In the game, players use a mobile device's GPS capability to locate, capture, battle and train virtual creatures, called Pokémon (pocket monsters). Those creatures appear on the screen as if they were in the same real-world location as the player. So, the mystery is unraveled: players were not looking into empty space .... Pokémon were there ... Yes! In the gardens!



During the past school holidays, my son accompanied me to Urrbrae House to help with work in the gardens but also to investigate (at my request) where those creatures were hidden. Happily, he accepted my suggestion, probably because it was the first time I allowed him to download the app to my mobile. Afterwards,

his report revealed that 7 Poke-stops and 2 Gyms were found in the Arboretum and gardens! And what are they? Well, he explained to me that Poke-stops are sites where you receive items or tools to help you capture more creatures. As for Gyms, they are places where all your captured Pokémon (that is your team) have to fight and win battles against other teams.

I hope this short introduction helps you understand at least the general concept of the game that has won such an important place in the market and spread the Pokémon madness around the world. Just to have an idea of how successful its release was, bear in mind that Pokémon Go has been downloaded more than 500 million times worldwide since then!

My son's report concluded that the Urrbrae House Gardens, the Labyrinth and the Waite Arboretum are great places to enjoy capturing Pokémon.

From my perspective, it is undoubtedly, the ideal place because, even if you are not able to catch a monster, at least you have the benefit of seeing amazing flowers, exquisite trees and wonderful native plants instead!

Note: Pokémon Go game is part of the new trend known as 'gamification'.

*Gamification: the application of typical elements of game playing (e.g. point scoring, competition with others, rules of play) to other areas of activity, typically as an online marketing technique to encourage engagement with a product or service.*

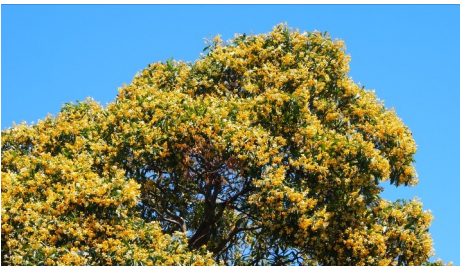
Erica Boyle in collaboration with Alfonso Lafosse



## SPRING IN THE ARBORETUM



Red hairs cover the new growth on *Angophora hispida*, Dwarf Apple. Origin NSW



*Grevillea robusta*, Queensland Silky Oak is the largest of the grevilleas and is used as a rootstock for grafting more delicate species. The vivid orange flowers are spectacular. The tree grows best with rainfall of >1,000 mm p.a. Origin Qld, NSW



*Hymenosporum flavum*, Native Frangipani has sweetly scented cream flowers. Origin NSW, Qld, PNG



*Alstonia constricta*, Bitter Bark has small star-shaped, cream flowers in open bunches at the ends of branches. Origin Qld, NSW



*Clerodendrum tomentosum*, Lolly Bush has white flowers in terminal corymbs. Flowers have 4 long stamens. Origin NSW, Qld, NT, PNG

Vigorous new growth on *Acacia peuce*, Waddy, one of Australia's rarest trees. Very slow growing and long lived. Origin Qld, NT



*Eucalyptus pimbiniana*, Pimpin Mallee grows on red sand on plains and dunes around the Great Victoria desert in SA, WA



*Eucalyptus* 'Urrbrae Gem' has large brightly coloured flowers and large flower yellow buds. Origin cultivar



The white flowers on *Myrcianthes pungens*, Needle-pointed Myrtle are followed by small, edible, purple-skinned fruit which is commercially cultivated in place of origin: Brazil, Paraguay, Uruguay



*Aesculus californica*, California Buckeye will soon be a mass of sweet-scented erect panicles of white to pale pink blossom. Origin California



*Melaleuca globifera*, is a small shrubby tree with papery bark and spherical inflorescences carried at the ends of branches. Origin WA