

# CRISP Nursery News

Spring-Summer 2019

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## Focus on insect pollinators



- *Stylidium armeria* - Trigger Plant
  - The Changing Nature of Tarralla Creek
  - MEAC Updates
  - Pollinators - we can't live without them
  - Insect Pollinators Maroondah - poster
  - and more

Above: Native bee sp. on Dianella (Mark Smith)



L-R Blue-banded Bee (Stephanie Dean), Hoverfly (Mark Smith), Australian Painted Lady (Mark Smith)



Indigenous Plant Nursery  
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## SALES AREA

Wednesday 9.30am - 12.30pm  
Friday 9.30am - 12.30pm  
Saturday 10.00am - 1pm  
(March - Nov)

## CRISP WEBSITE

[www.crispnursery.org.au](http://www.crispnursery.org.au)

Check out the full colour version of  
CRISP News on-line

## Management Team

<b>Nursery Management</b>	Annette O'Sullivan Stephanie Dean
<b>Committee</b>	
President	Lloyd Smiley
Vice President	Ann Adams
Secretary	Judith Pinney
Treasurer	Kay Cole
Member	Magda Teeuwen Natasha Sinclair Alan Bowes

Newsletter Editor/design: Linda Hibbs  
Website manager/design: Ken McInnes

## Volunteers

Most of the work at CRISP is carried out by volunteers. These are people from within the community who give their time to help provide a large range of indigenous plants for the Maroondah region. If you care about your local environment and would like to help out at the nursery, join the friendly team. No experience needed. Learn the difference between our local native plants, learn to propagate and pot up the many seedlings.

## Cover photo credits

All photos in CRISP News are taken by CRISP members unless otherwise stated. Front Cover: Main photo - Mark Smith Native bee sp. on *Dianella* L-R: Stephanie Dean - Blue-banded Bee, Mark Smith - Hoverfly, Mark Smith - Australian Painted Lady

## A Note from the Editor

The nursery does a wonderful job in promoting indigenous plants in the local environment. We can also promote indigenous plants whenever we get the chance - to friends and neighbours and others in the street. Drop a few CRISP Nursery pamphlets into letterboxes.

Spring brings lots of new born animals and birds. We rescued an abandoned baby Grey Butcherbird recently. As it had been out of the nest for at least three weeks, along with another sibling, we tried placing it back in a tree. Unfortunately the parents had decided they couldn't look after it, either due to injury or just not enough insects around, so they attacked it and tried to fling it down an embankment. I could have let nature take its course, but loving the sound of the Butcherbirds and with empathy in spoonfuls, I picked it up again and brought it inside.

I'd like to plug **Wildlife Victoria** at this point as they do an amazing job. I rang them next morning and they were quick to ring around and find someone to take care of it. I had a call from a wildlife carer, Nalini Scarfe in Heathmont and she popped over, checked it out and took it back to care for, until able to be independent. She will then release it in a similar area to which it was found.

**Wildlife Victoria** like to stress that if you do find a baby bird, try placing it back in the nest or tree. The idea that the parents won't touch a baby that has been handled has been declared a myth. But in our case, reuniting them just wasn't going to work. If you find any injured animal, call Wildlife Victoria and they will find a carer for you. 8400 7300 or via the website: <https://www.wildlifevictoria.org.au>

**Thank you** to Olwyn for her careful proofreading and support; Stephanie for ideas and organisation; Ruth Jackson, Anne McLean, Kay Cole, Kay Sinclair, Tess Hayes and Doug Evans for their contributions; Stephanie Dean, Ruth Jackson, Olwyn Smiley, Christian Hauser for their pollinator photos; and an extra big thank you to Mark Smith for his fantastic close up insect photos that have made the middle page poster extra special, as well as helping to identify the many species.

All the best for the coming holiday season and hope to see you at the Christmas BBQ.

Linda



03 8400 7300  
<https://www.wildlifevictoria.org.au>

### DISCLAIMER

CRISP Nursery Inc. does not hold itself responsible for statements made or opinions expressed in CRISP News. They may not necessarily reflect the opinions of the organisation but are merely printed to share information with those who are interested in the conservation of our local flora and related environmental concerns.

## Report from the nursery

Stephanie Dean and Annette O'Sullivan

As we head rapidly towards the end of 2019 it is useful to reflect on the past year and how we have worked towards achieving the stated aims of the nursery.

The CRISP Constitution has the following aims;

- To preserve and maintain indigenous flora within Maroondah and surrounds
- To propagate indigenous plants from locally collected seed and plant material
- To provide plants for planting in reserves, school grounds and for Council and community generally
- To encourage people's interest in propagation of indigenous plants
- To foster a greater knowledge, care and understanding of indigenous plants

Some of the activities that we undertake towards these goals include:

- **Our regular Wednesday and Friday morning sessions** at the nursery where volunteers are actively involved in all aspects of propagation from sowing seed, potting up seedlings and care of plants as they mature ready for sale.
- **The Sales Area** is open during these times, and on Saturdays (March-November), offering opportunities for local residents to purchase plants and get information about using indigenous plants in home gardens.
- The **booklet** that we have produced, **Wildlife Gardens – Maroondah**, has been invaluable in helping people with their plant purchase decisions and increasing understanding of the value of including local plants in their gardens.
- **Our Monday Mornings in the Reserves** outings provide more opportunities to work towards all the stated aims. On these outings we undertake hand weeding in reserves, collect seed and plant material (as per the Permit that we have from DWELP), undertake revegetation projects and talk to many passing residents about our activities thus fostering greater knowledge, care and understanding of indigenous plants. Our recent outings this Spring have been delightful and rewarding, in being able to observe the great quality of our Bushland areas and watch as our revegetation areas mature.

We have used speaking requests from local Probus and View clubs to talk to a wider audience about the aims and activities of CRISP. The Maroondah Festival in early November allows us to engage with many community members. Having a display of plants and photographs and using the Botanical Illustrations by Ruth Jackson, featuring many local species it is quite easy to engage people in conversations about the importance of protecting, preserving and propagating indigenous plants.

Our positive links with the many relevant departments within Maroondah City Council allow us to advocate for the local environment. The Maroondah Vegetation Strategy that is currently being developed will guide the planning and development of Maroondah into the future. Our input into these strategies helps to ensure that our indigenous flora is valued and protected, and we end up with a local environment that is healthy and diverse.

Our newsletter, which is produced three times per year helps to promote the activities of the nursery to our many members and supporters. We distribute 250 hard copies and have an email list of over 450 members and supporters who can access our newsletter online.

All of this has resulted in CRISP producing over 40,000 indigenous plants from locally collected seed and plant material. These plants have been returned to the local environment through plantings by the Maroondah City Council, the many Friends Groups that operate throughout Maroondah and home gardeners.

None of this would be possible without the support of the Committee of Management, all our dedicated volunteers and Maroondah City Council and we would like to take this opportunity to thank you all for the role you play in enabling CRISP to continue this work towards our stated aims. We look forward to celebrating with many of you at our end of year BBQ on Saturday 14th December.

Annette & Stephanie





## Indigenous perspectives on the 'Anthropocene'

Traditional knowledge and planetary health

**Saturday 14 December**  
2.00 to 3.30pm  
Maroondah Federation Estate Gallery

The theme for this year's R & M McGivern Prize is "Anthropocene".\*  
As part of this year's R & M McGivern Prize, join us for a discussion on what the 'Anthropocene' means from an indigenous perspective, and ways of thinking about climate change and sustainability.



Auntie Jane Turpie-Johnstone, originally from the Portland area in Victoria is an HDR scholar at the Australian National University researching human relationships to Country. She is also a board member of Mullum Mullum Indigenous Gathering Place.



Tyson Yunkaporta is an academic, an arts critic, and a researcher who belongs to the Apalech Clan in far north Queensland. He carves traditional tools and weapons and also works as a senior lecturer in Indigenous Knowledges at Deakin University in Melbourne. He is also the author of 'Sand Talk: How Indigenous thinking can save the world' (2019)



Auntie Irene Norman is a proud Wailwan/Wiradjuri woman and Mullum Mullum Indigenous Gathering Place Elder. She frequently exhibits at the Koorie Heritage Trust, Mullum Mullum Festival and undertakes volunteer teaching of Indigenous Culture and Reconciliation in schools and the wider community.

The R & M McGivern Prize is on at Maroondah Federation Estate Gallery and ArtSpace at Realm from 23 November 2019 to 1 February 2020.

Maroondah Federation Estate Gallery  
32 Greenwood Ave, Ringwood  
[maroondah.vic.gov.au/Exhibitions](http://maroondah.vic.gov.au/Exhibitions)  
BGLWP

Bookings:  
Free  
[www.trybooking.com/](http://www.trybooking.com/)

Ph: 03 9298 4553)

Image: Gabrielle Possum Nungurrayi, My Grandmother's Country, 1996, Maroondah City Council Art Collection.

\* The current geological age, viewed as the period during which human activity has been the dominant influence on climate and the environment



03 8400 7300  
<https://www.wildlifelifevictoria.org.au/contact-us>

# The Changing Nature of Tarralla Creek

by Tess Hayes  
Community Engagement Officer (Tarralla Creek)

## The Changing Nature of Tarralla Creek Upcoming environmental monitoring opportunities

Melbourne Water's new program, Reimagining Your Creek is restoring some of Melbourne's creeks and waterways. The program works together with communities to transform storm water drains and creeks into waterways and desirable open spaces. The Reimagining Tarralla Creek project, in Croydon, is the third Reimagining Your Creek project. The project will transform a section of Tarralla Creek from Dorset Road to Eastfield Road, Croydon.

Over the next few months, Maroondah City Council will provide opportunities for people to connect with the site in a meaningful and interactive way. We will work with community to set up environmental monitoring to monitor changes to biodiversity, as the creek will undergo significant changes through the Reimagining Tarralla Creek works.

### Last event

On October 5, 2019 we hosted a community event to introduce ways the community could get involved in monitoring nature around Tarralla

Creek. The event was well attended. Attendees heard from BirdLife Australia and Melbourne Water on the importance of urban biodiversity and learned techniques for monitoring birds, identifying waterbugs and recording frog calls.

### Next event

At the last event, we asked for feedback on the type of citizen science activities attendees were most interested in getting involved in. Based on the feedback we received, our next event will focus on frog monitoring. Join us at Croydon Town Park on 10 December 2019 for an evening of listening for, recording and learning more about the importance of frogs for urban biodiversity. <http://www.maroondah.vic.gov.au/Explore/Whats-on-in-Maroondah/Events-calendar/Event-Public/The-Changing-Nature-of-Tarralla-Creek-Frog-Walk>

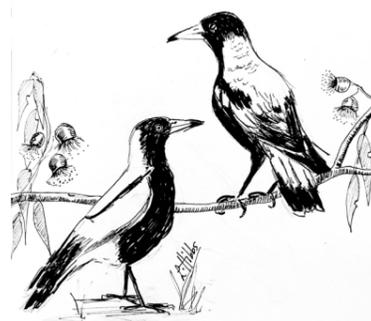
If you're interested in monitoring opportunities, would like to receive invites to upcoming events or would like to share your ideas or just to find out more, please get in touch with Tess Hayes - Community Engagement Officer (Tarralla Creek) [Tess.Hayes@Maroondah.vic.gov.au](mailto:Tess.Hayes@Maroondah.vic.gov.au) (03) 9298 4212



**At the Nursery**  
**Friday 20th December**  
We will be having an end of year morning tea.  
All volunteers welcome.



CRISP Stall at Maroondah Festival  
Photo Steph



Artwork by Linda Hibbs



## BBQ



Above: Glider artwork by local artist Jo Pearcy  
<https://www.etsy.com/au/shop/JosDesktop>



If you missed our seed cleaning for November, look out for next updates in the CRISP News emails. Those helping out meet at 7pm in the Nursery Tearoom and prepare collected seed for storage and sowing. No experience required. Supper provided.



A new butterfly citizen science project which aims to get everyone looking for butterflies and recording their sightings. The new app (iOS and Android) and website has just been launched. The free app also includes a digital field guide and the website has a feature that lets you explore the butterfly data in a number of ways on a handy map. The butterfly project is owned and operated by the Australian National University.

Go to <https://www.butterflies.org.au/external/home> to download the app and to register.

# Pollinators: We Cannot Live Without Them

compiled by Anne McLean



*The way humanity manages or mismanages its nature-based assets, including pollinators, will in part define our collective future in the 21st century.*  
Achim Steiner, Executive Director UN Environment Programme (UNEP)

Pollination is not just fascinating natural history. It is an essential ecological function. Without pollinators, the human race and none of Earth's terrestrial ecosystems would survive.

This year the Port Phillip & Westernport CMA (Catchment Management Authority) and partners produced a valuable guide to the common pollinator and beneficial insects in Victoria. PP&WCMA has generously allowed us to refer to their information in CRISP News.

### What is pollination?

Pollination is the delivery of pollen to the female organs of a plant (stigma in flowers). Pollen is made by the male organs of a plant (stamens in flowers) and contains genetic information needed for plant reproduction. Pollen may be transferred to female organs on the same plant (self-pollination) or another plant of the same species (cross-pollination). As a result of pollination the plants produce seeds. Pollen can be dispersed by wind, water and animal pollinators such as insects, bats and birds. Plants use visual and scent cues to attract and direct insects.

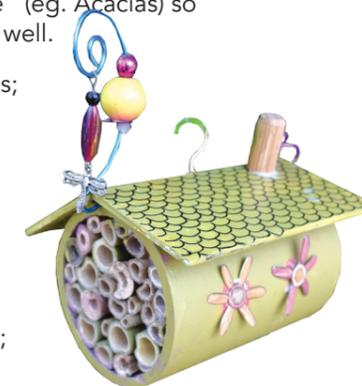
### Why do pollinators matter?

- Many flowering plants (food crops and native plants) rely on insect pollinators to set fruit.
- In Australia, there are many specialised native plant-pollinator relationships, so pollinator conservation is not just about focusing on the most common species.
- There are thousands of Australian native pollinators that are just as effective at pollinating as the more widely-recognised non-native honey bee; many are even better pollinators.
- Many of these insects play other important roles in the ecosystem in addition to pollination, such as biological control or waste decomposition, and are important contributors to biodiversity generally.

### How can I encourage pollinators and beneficial insects?

- Make sure your garden supports a diversity of flowering plants that provide flowers throughout the year, particularly in spring - summer.
- Mid-storey flowering shrubs and grasses are key to a good nectar insectary. Native grasses provide excellent habitat for pollinator and beneficial insects

- When flowering nectar plants are in short supply, pollinators can access nectar through the glands of plants such as Fabaceae (eg. Acacias) so consider planting these as well.
- Provide pollinator nest sites; bee hotels, dead wood or plant stems, small areas of bare sandy ground and leaf litter patches.
- Reduce your use of chemical sprays. Many pesticides will kill pollinators as well as pests; overuse of herbicides can remove many of the flowering herbs that pollinators rely on throughout the year.
- Record and share your observations to help build knowledge about these species. Citizen science projects allow you to share your sightings with others and may help you with identification, eg. <https://www.ala.org.au/>; <http://www.bowerbird.org.au/> or Amateur Entomology Australia Facebook Group



Provide bee hotels  
Handmade by Linda Hibbs

### Good native nectar species

*Bursaria spinosa* (Sweet Bursaria); *Leptospermum sp.* (Tea Tree); *Melaleuca ericofolia* (Swamp Paperbark); *Hardenbergia violacea* (Purple coral pea); and *Themeda triandra* (Kangaroo Grass) are just some of the suggested plants that could be part of an insectary. All of these plants are usually available for purchase from the CRISP Nursery.

### Acknowledgement:

The PP&WCMA guide from which most of the information in this article was taken is freely available online <https://www.ppwcma.vic.gov.au/what-we-do/sustainable-agriculture/beneficialinsects/>  
This guide was originally compiled by Manu Saunders and Karen Retra with support from the Slopes to Summit Partnership and the NSW Environmental Trust. This version has been adapted by PP&WCMA and Agribusiness Yarra Valley with funding from the Victorian Government.



Photo Stephanie Dean

Blue-banded Bee feeding on *Stylidium* (Trigger Plant)

## Stylidium armeria

The *Stylidium* genus has over 100 species in Australia. They are found on grassy plains and open heaths, on rocky slopes, in forests and along drying waterholes and creeks. There are at least three indigenous to Maroondah and the one in focus here is the *Stylidium armeria*.

Many of you will be familiar with the trigger on Trigger Plants from which their name derives. When an insect lands on the flower, the trigger sweeps up and over from its resting position under the petals. It dusts the insect with pollen and the insect becomes a cross pollinator as it goes from flower to flower. The young flower will deposit pollen on the insect in exactly the spot where the stigma of an older flower of the same species will then gather it up. When the flowers first mature, only the male portions are ripe. The initial visit dusts the insect with pollen. Once the pollen is gone, the *column* or trigger, resets itself and the female portions start to mature. The next time an insect visits the flower, the stigma is present with the trigger. If all has gone well, the insect will have been already dusted with pollen from a previous plant and the stigma can now take up the pollen. In this way, the plant avoids self-pollination. (Ed) See Ruth's botanical illustration on next page.



Native bee ready to land on *Stylidium* (Stephanie Dean)



Close up of *Stylidium* (Linda Hibbs)

### *Stylidium armeria* - a botanical description and illustration

Ruth's detailed description is reproduced here

*Stylidium armeria* (Labill.) Labill.,  
Nov. Holl. Pl. 2:66 (1806)  
Flowering, Nov-Feb, Fruiting, Jan-April

Perennial herb with leaves basally tufted in a rosette, linear-lanceolate 25-45 cm long, 5-15 mm wide, margins usually smooth, tip acute. Flower stem, simple erect racemes to 100 cm high. Inflorescence a raceme often crowded at the apex. Glandular-pubescent flowers and scape above the lower flowers, no glands below the lower flowers. Floral bracts small, calyx, narrowly ovoid 2-7 mm long, glandular-pubescent; Calyx lobes equal, shorter than the tube, united into 2 lips; Corolla light to dark pink, corolla tube c. 5 mm long, corolla lobes, (petals). Petals, sub-equal, spreading, 8-15 mm diam, paired laterally, obovate to lanceolate. Labellum, oblanceolate-acuminate, (tapering to a long tip), with 2 subulate, (awl-shaped, like a stout needle) lobes, towards the base, immobile, minute, 1/4 the length of the other 4 corolla-lobes. From the corolla tube, surrounding the throat, there are 6 prominent appendages, to half the length of the corolla-lobes, and 2 small appendages, on the 2 corolla-lobes (petals), at a small distance away from the throat

of the corolla tube, appearing on the petals nearest to the labellum. These appendages appear to be glandular, white sometimes tipped or sprinkled with purple.

These species are known as Trigger Plants, because of the trigger mechanism by which pollination is affected. The mechanism is known as a column, 8-12 mm long; the column is irritable, red, and becoming darker with age, with long glands on either side of the anthers. The filaments of the anthers are connate (fusion of like parts) with the style. Forming a column; Gynostemium, (a structure formed from fusion of stamens and pistil). Pistil (the female reproductive organ of a flower) the column consists of the style, united to 2 stamens. With the anthers at the tip, anthers dark-rimmed. With hairs, subtended, (axillary to another organ), which (under magnification appear to be moniliform in appearance) that are attached close to the anthers. *Stylidium* flowers are protandrous; (of a flower shedding pollen before the stigma is receptive,) i.e. (first functionally male, and afterwards, functionally female) in any population of these species, the anthers of one flower will mature and

dehisce before the stigma is receptive, and so in another flower the stigma will mature after the anthers have released their pollen, and is receptive to the pollen from the younger flower of another plant. The column is first sensitive when pollen is ripe, and again later when the stigma, is receptive. On young plants the trigger when poised, is bent down between and below the petals, over the labellum. An insect imbibing on the nectary's, releases the sensitive trigger which in a swinging blow showers it with pollen, the anthers dehisce (to open when ripe) on impact. In older flowers, the shrivelled anthers are pushed aside by the stigma, which is cylindrical in shape, and at the distal-end, is plano-convex and velvety, (densely covered with short soft matted hairs) so when a pollen-laden insect, lands on the flower, the trigger, which can reset several times, is released, with stigma presented, and then pollen is brushed off the visitor thus effecting cross-pollination. The flowers bloom consecutively from the base of the inflorescence towards the apex. Capsule, sub-cylindric, c. 8-15mm long, seeds ellipsoid, c. 1mm long reddish-brown. Flowering, Nov-Feb, fruiting, Jan-Apr.

The CRISP Nursery Sales Area currently has a plentiful supply of *Stylidium* ready for sale. Many are in flower so why not pick up one for your garden

### *Stylidium armeria*

Botanical illustration by Ruth Jackson 30.05.2018

The insect used in this painting is the Blue-banded bee *Amegilla cingulata*. This species was chosen as the pollinating insect, in this painting, as I have been reliably informed, is found in the Melbourne area, and also its preference for pink flowers.

Ruth L. Jackson



# Insect Pollinators Maroondah



Above: Hoverfly (Stephanie Dean)



Above: Skipper sp. (Mark Smith)



Above: Blue-banded Bee *Amagilla* (Stephanie Dean)



Above: Hoverfly feeding on nectar (Mark Smith)



*Amagilla*  
Blue banded bee  
(Olwyn Smiley)

*Melangyna* sp. Hoverfly  
(Mark Smith)



Left: Grass Blue Butterfly (*Zizinia* sp) (Mark Smith)



Above: Native bee with leg pollen (Mark Smith)



Above: European Honey Bee covered in pollen (Mark Smith)  
Below: Australian Painted Lady (Mark Smith)



Above: Native bee on *Dianella* (Mark Smith)



Below: Blue Flower Wasp *Scolia soror* (Mark Smith)



Above: Orchid Dupe *Lissopimpla excelsa* *Ichneumonidae*. 2 males trying to 'mate' with the flower. (Ruth Jackson)



Left: Soft-winged Flower Beetle  
*Carphurus pallidifrons*  
*Cerambycidae* Sp - Longicorn beetles. (Olwyn Smiley)



Above: Yellow Admiral *Vanessa itea* - *Nymphalidae* (Stephanie Dean)  
Below: Blue-banded Bee *Amagilla* (Mark Smith)

Below: Barred Skipper (Stephanie Dean)

Below: Drone Fly Family *Syrphidae* - *Eristalinus punctulatus* (Olwyn Smiley)



Below: Tachinid Fly *Rutilia* sp (Olwyn Smiley)



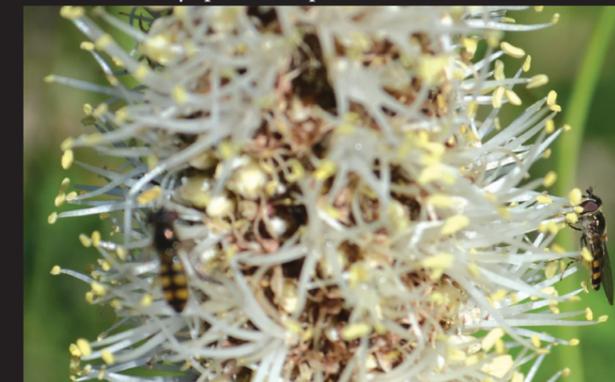
Below: Fairy Longhorn Moth Family *Adelidae* *Nemophora* sp (Olwyn Smiley)



Below: Hoverfly species (Stephanie Dean)



Below: The Dainty Swallowtail *Papilio anactus* - *Papilionidae* (Stephanie Dean)



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# Maroondah Bushland Volunteers Information Event

by Kay Cole

An event was held on Thursday 24th October for Bushland Volunteers by Maroondah Council.

Information presented included:

## Maroondah's Liveability and Well-Being Plan

presented by Fiona Burridge, Community Development Officer.

There is an opportunity to have your say online for the new plan from 2021 to 2031 by March 31 2020 <https://yoursay.maroondah.vic.gov.au/liveability>

## Maroondah's Vegetation Review

presented by Doug Evans Strategic Environment Planner.

## Presentation by Craig Mauger

Team Leader Bushland team.

Craig described;

- Staff structure and roles of the Bushland Team
- Reserves where they work throughout Maroondah
- How they prioritise work
- Invasive weed identification - Weed control is 90% of their work
- Fire prevention
- Ecological Burns and their planning with CFA

## Presentation by Derek Ashton

Bushland Liaison Support Officer.

Derek provides the link between volunteer groups and the Council. Council provides;

- Resources for groups
- Advice and assistance
- Holes for plants
- Herbicide application

## Benefits of volunteering;

- Learning about the environment
- Ownership and pride in an area's appearance
- Developing a sense of community and belonging
- Strengthening community partnerships
- Making like-minded friends
- Having fun

It is important to complete volunteer day register forms at working bees and email them back to Derek. The value of this includes volunteers being covered by Councils insurance and Council having a record of what tasks were undertaken at the site.

Site safety is the responsibility of each individual in volunteer groups. All participants need to look out for any hazards at sites and communicate them to the group.

There was some discussion about OH&S requirements.

This event was a good opportunity to meet volunteers from other groups. Maroondah has over 18 Friends Groups with 180 volunteers. Besides CRISP Nursery, other groups attending included Heathmont Bushcare, First Friends of Dandenong Creek and the new Eastfield Park Friends Group

**Dr Graeme Lorimer** also contributed to the discussions.

The chocolate muffins were my favourite in the great supper provided afterwards!



Hoverfly sp. (Stephanie Dean)

# Maroondah Vegetation Strategy

by Doug Evans

The public exhibition phase of the Draft Maroondah Vegetation Strategy has now closed, with feedback received from 28 submitters. The levels of support for the higher level aspects of the draft strategy (vision, outcomes and key directions) has been strongly positive. There have also been many suggestions for improvements or additions to the range of priority actions proposed in the draft strategy. Council is currently working through these and revising the draft strategy where relevant.

A summary of the feedback received, annotated with how the feedback has or has not been

incorporated will be publicly released alongside release of the final strategy.

It is expected that the final version of the strategy will go to Council for adoption in December this year.

Doug Evans  
Strategic Environment Planner  
Maroondah City Council

Further information can be found on the Maroondah City Council website <https://yoursay.maroondah.vic.gov.au/vegetation-review>



## Don't forget to bring back your plant pots and tubes!

*If the bee disappeared off the surface of the globe then man would have only four years left to live.*

Albert Einstein

*When a dragonfly flutters by, you not realize, but it's the greatest tier in nature. It can hover, fly backwards, even upside down.*

Louie Schwartzberg

A swarm of bees at BJ Hubbard Reserve



## The Nursery sales area

is well stocked with a good variety of tubestock and 140 mm pots. You will find a list of plants available on the Nursery website <https://www.crispnursery.org.au/species.html> (although sometimes conditions beyond our control may limit the availability of some plants).

The sales area is open on Wednesday and Friday mornings during volunteer sessions and also on Saturdays 10 am - 1 pm. **The last Saturday Sales for 2019 will be on November the 30th and will resume March 7 2020**

## At the Nursery

This is a busy time of year for potting up seedlings and we will continue to have volunteer sessions as usual throughout the Christmas and New Year period apart from Wednesday 25th Dec and Wednesday 1st Jan.

## Ode to Nature

Springtime in  
BJ Hubbard Reserve

*I love to stand out in the sun  
To close my eyes and be at one  
With nature and her world around  
Just listening to the lovely sounds  
There's lorikeets up in the trees  
And magpies in some more of these  
Then other birds that I can't tell  
Over hills and dales and in the dell  
And a quiet hum of native bees  
Locating all the blooms that please*

*I love the whispers of her breeze  
That gently rustle all the leaves  
Away up high through the tall gum trees  
Or down below where we can see  
The dappled lights these movements make  
Each little thing I appreciate -  
Just taking time to soothe my mind  
Rejoicing in amazing finds  
Enjoying all these things that please  
And easing my anxieties*

*Then later on I love to walk  
To find more treasures of which to talk  
Her subtle colours call to me -  
A mist blue Love Creeper I see  
There's purple Chocolate Lilies out  
Some tiny Milkmaids dressed in cream  
And 'Egg and Bacon' can be seen -  
There's still some wattle in full bloom  
Though these will be ending soon*

*I love her blossoms and perfumes  
That waft around in the afternoons  
It's such a feast for all my senses  
So much beauty when Spring commences  
It makes me want to dance and sing  
Living here with everything -  
It's Mother Nature I adore  
Let's cherish her I do implore  
Then we can live on Earth for evermore  
'Cos without her we will be no more  
And without her our souls can't soar*

By Kay Sinclair Early October 2019



## Australian Plants Revealed

by Dallas Boulton



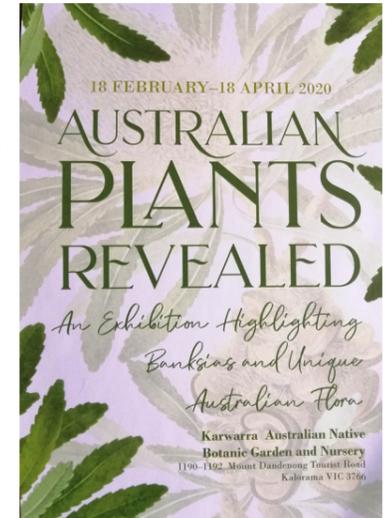
**The Australian Plants Society-Victoria** is holding two exhibitions next year, one at Federation Estate in Ringwood and one at Karwarra Australian Native Botanic Garden and Nursery in Kalorama.

First Nations people used plants for food, medicine, tools and shelter for 65,000 years before James Cook brought the

endeavour to the east coast of Australia. This visit provided the naturalist Joseph Banks and the botanist Daniel Solander the opportunity to collect Australian plants which were taken to London to be studied and classified by western scientists.

The exhibition at Federation Estate (Mon - Friday 9-5pm and Sat 12-4pm) will feature six of the actual specimens collected by Banks and Solander 250 years ago as well as 30 images of other plants from their collections that are held at the Melbourne Herbarium.

The other exhibition at Karwarra is 'An Exhibition Highlighting Banksias and Unique Australian Flora'; Plants, works of art, paintings, textiles, basketry and information all focussing on our beautiful flora will be on display. Please see our website for information: <https://apsvic.org.au> or contact Dallas Boulton: [bernard.boulton@bigpond.com](mailto:bernard.boulton@bigpond.com)



Looking for that special Christmas gift?



## Cards and prints by Ruth Jackson

'The Natural History of Maroondah Series' available to purchase from the nursery. Cards \$4 each, A4 Prints on archival quality paper \$30. Over 50 species/illustrations available exclusively through CRISP nursery.



Pterostylis nutans by Ruth Jackson



Daniella admixta by Ruth Jackson



Eucalyptus cephalocarpa by Ruth Jackson

Ideal Christmas Presents!

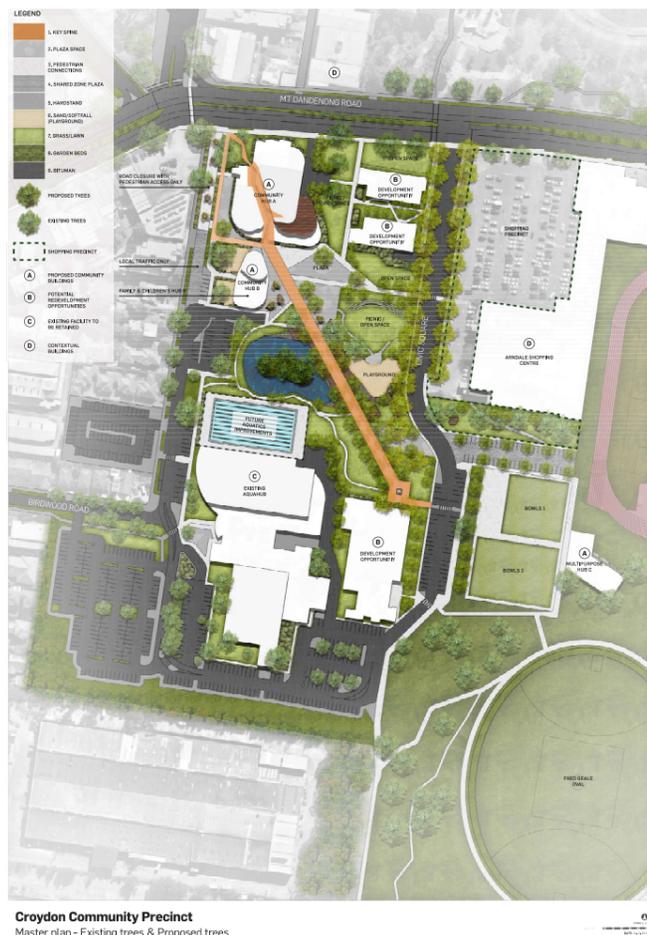
# Croydon Community Precinct

Council is progressing in the development of a draft Masterplan for the future enhancement of the Croydon Community Precinct. The precinct currently contains a significant number of Council's community facilities, including Croydon Library, and accommodates a diverse range of associated community and sporting groups.

The masterplan explores the possibility of one or more community hubs to replace existing Council facilities that are near the end of their useful life. A new community hub, including a new library and a number of multi-use spaces for existing users and the community are some of several key elements being considered.

Feedback from our community is important to us, and we would appreciate if you could disseminate this email with the link to our consultation page, to your respective members and networks.

For more information on this project; <https://yoursay.maroondah.vic.gov.au/croydon-community-precinct>



# News from the Maroondah Environment Advisory Committee (MEAC)

## Waste and Resource Recovery Strategy

Maroondah is actively working on options to reduce householders' waste going to landfill and improve resource recovery. The ten year plan includes adding food organics to green waste and exploring the potential for an advanced waste treatment facility.

Why is this important? Community expectations about landfill and resource recovery are rising, based on programs such as War on Waste and news articles on the recycling crisis.

The strategy should be ready for review in early 2020. Although this is a long term project, Council is responding to residents' feedback and comments from pop-up workshops to highlight a range of short term actions.

These include:

- Encourage residents to use the A to Z of waste disposal to find recycling options for a broad range of materials and to educate about safe disposal of waste items. For example, did you know that Maroondah has a collection site for recycling X-ray films?

- Use various communication channels (eg MEAC) to help residents get up to date information about what materials can go into which wheelie bin.
- Pursue the FOGO (food organics, garden organics) option sooner rather than later, based on a positive response to resident surveys.

To stay informed - visit the Waste & Resource Recovery Strategy website for information about the strategy development. Add your email to the subscription list to stay informed as the project proceeds.



# News from the Maroondah Environment Advisory Committee (MEAC) Carbon-Neutral Strategy

Back in 2008, Maroondah set the objective of its operations being carbon neutral by 2020. This goal appears to be within reach after a significant effort in a number of areas:

- Efficiency projects - reduce the demand for electricity (eg upgrading street lights to LED's, higher efficiency appliances in Council buildings, more efficient building designs)
- Renewable energy sources for electricity - Maroondah is partnering with over 30 Victorian municipalities to tender for a renewable energy

contract. The size of this tender should reduce the cost of electricity and encourage the growth of the renewable energy sector.

- Carbon offsets - For anything not covered by efficiency or renewable energy, Maroondah is going to purchase suitable carbon offsets.
- Council is also encouraging residents to make the switch to renewable energy through programs such as Solar Savers.

## About the Committee

The Maroondah Environment Advisory Committee is a collaborative partnership between Council and key community stakeholders (groups and individuals were invited to join up until February this year) to inform and advise Council on environmental sustainability issues.

Committee goals will include:

- advance the environmental sustainability 'Key Directions' of Maroondah 2040
- advise Council on the implementation and review of the Maroondah Sustainability Strategy and related strategies and actions
- involve others in sustainability initiatives.

The Committee will look at:

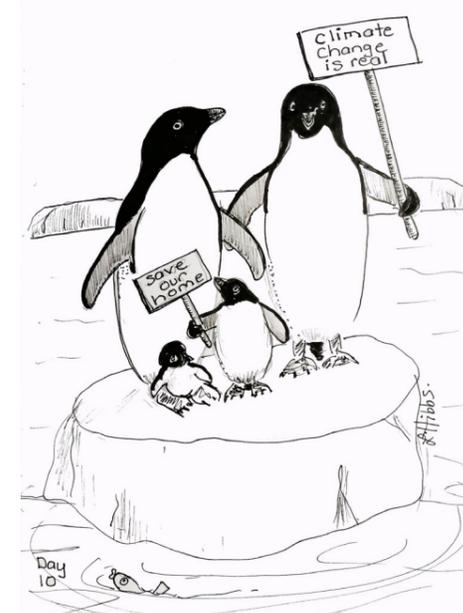
- assisting in the development of the Vegetation Review
- helping with the implementation of actions from the Sustainability Strategy
- assisting in the development of a Waste Strategy
- providing feedback on Council's capital works program
- reviewing the existing suite of environmental strategies of Council.

For further information on the Maroondah Environment Advisory Committee, please contact Council's Integrated Planning team on 1300 88 22 33.

## What will you do with your E-waste?

From July 2019 e-waste (including batteries) was banned from Victorian landfill. Batteries can be dropped off at **BatteryWorld** in Wantirna, at participating **Officeworks** or **Aldi** stores, and at **Council offices** (see Maroondah link below). And of course our CRISP Nursery neighbour, **ERNI**: <https://www.erni.asn.au/computer-recycling.htm> will be happy to help out with recycling many of your computer associated discards.

For more information visit: Maroondah Council <https://recyclingnearyou.com.au/ewaste-dropoff/MaroondahVIC>



Artwork by Linda Hibbs

## LOCAL ENVIRONMENT/FRIENDS GROUPS

Many local residents are working to improve the habitat and connectivity of our reserves. If you are interested in getting involved, either join with one of the existing groups (see below) or start your own in your local reserve. If you are interested in starting work in your local reserve contact the Bushland Team at Maroondah City Council (9294 5677) to discuss how your effort and enthusiasm can be best directed.

The Maroondah City Council website provides further detail about many of the reserves and walks in Maroondah <http://www.maroondah.vic.gov.au/Explore/Parks-and-playgrounds/>

### Andersons Creek Landcare

<https://www.parkconnect.vic.gov.au/Volunteer/group-details-public/?id=b541f9cc-e644-e711-8147-e0071b668681>

Contact: andersonscreeklandcare@hotmail.com

### Bungalook Conservation Reserves

Working bees held 2nd Saturday of the month from 9.30 am

Contact: Graeme 0403 229 862 or email: graeme@meg.org.au

### Croydon Conservation Society

<http://www.croydonconservation.org.au/>

Contact: Liz 9879 2247

### First Friends of Dandenong Creek

<https://www.ffdc.org.au/>

Contact: Charlie 0417 125 677 or email: ffdc1999@gmail.com

### Friends of Candlebark Walk

Working bees held every second month

Contact: Marlene 9723 0656 or email: marnrobt@gmail.com

### Friends of Cheong Park

Contact: cheongcroydon@gmail.com

### Friends of Eastfield Park

Contact: eastfieldpark@gmail.com

### Friends of FJC Rogers Reserve

Working day is 1st Wednesday of the month from 12.00 to about 2pm. Bring your lunch and chair.

Contact: Don 97362309

### Friends of Herman Pump Reserve

2-3 Working bees a year

Contact: Ann 0402 628 054 or email: annandcraig@hotmail.com

### Friends of Wombolano Reserve

Working bees held 3rd Sunday of the month

Contact: Andy 0414 999 491 or Merrilyn 0410 073 514

### Friends of Yanggai Barring

Contact: Pat 9723 0036

### Heathmont Bushcare

<https://heathmontbushcare.com/>

Working bees held 1st Sunday of the month

Contact: heathmontbushcare@gmail.com

### Maroondah Bushlinks

Contact: Margaret 9876 3094 or email: marbushoz@hotmail.com

### Mullum Mullum Bushcare Group

[www.facebook.com/pages/category/Community/Mullum-Mullum-Creek-Bushcare-Group-393340894351096/](http://www.facebook.com/pages/category/Community/Mullum-Mullum-Creek-Bushcare-Group-393340894351096/)

Contact: Bill 0418 366 780 or email: tristramlarkins@optusnet.com

### Ringwood Field Naturalists Club

<http://www.rfnc.org.au/>

Contact: info@rfnc.org.au

### Warranwood Reserve

<http://warranwoodreserve.org/>

Contact: Margaret 9876 3094 or email: warranwoodres@hotmail.com

### Warrien Reserve

<http://warrien.org/>

Contact: David 9725 3163 or email: friends@warrien.org

### Wieland Reserve

Contact: John: cullfamily@gmail.com

## What's on

**Wednesday 4 December 2019**

**Seminar: The Dark Side of Night Lighting**

7.30 pm to 9.00 pm

River View Room, The Grand Hotel

110 Yarra Street, Warrandyte

Hosted by Alicia Dimovski, Phd student, Department of Ecology, Environment and Evolution, La Trobe University.

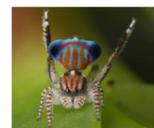
**Saturday 14 December**

**CRISP End of Year BBQ**

From 12 midday - bring a plate

**Friday 20th December**

We will be having an end of year morning tea at the nursery - all volunteers welcome.



**Seminar: The Tiny Flamboyance of Peacock Spiders**

**Wednesday 5 February 2020**

7.30 pm to 9.00 pm

110 Yarra Street

The Grand Hotel, Warrandyte

Speaker: Joseph Schubert Melbourne Museum Legacy Registration Officer, Entomology department.

While the Australian peacock spiders are only the length of a grain of rice, they are some of the most charismatic and colourful spiders that the world has to offer...

**Field Trip:** The Tiny Flamboyance of the Peacock Spiders On the following Saturday, take a walk through a reserve with Joseph and learn about habitat requirements for insects and arachnids and macro invertebrate lifeforms.

Discover the important role these lifeforms contribute to woodland and forest health. This field trip is in addition to The Tiny Flamboyance of the Peacock Spiders seminar, which you will need to attend prior.

**Date: Saturday February 8 2020**

Time: 10.00 am to 12 noon

Location: The meeting place will be revealed to you at the seminar.

**Other Seminars coming up in 2020 include:**

Fungi4Land (March 4)

Speaker: Sapphire McMullen-Fischer, Fungi Ecologist

Field Trip: 5th March

**For more information:**

<https://www.manningham.vic.gov.au/environment-seminars>

### Direct deposit to renew membership

Can't get to the nursery to pay cash?  
Don't have a cheque book? We are making it easier for you to renew by direct deposit.

BSB 033 044

Account No: 149422

Ensure you put your name in the details section so we can update your membership

Sending an email to the nursery when you make the deposit will ensure that your membership information is updated correctly.



## Application for Membership

MEMBERSHIP SINGLE -\$10 per annum FAMILY- \$15 per annum GROUP -\$20 per annum  
(Please circle)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact: Tel: \_\_\_\_\_ Email: \_\_\_\_\_



PLEASE TICK ✓

NEWSLETTER OPTIONS:

I wish to continue receiving the newsletter by snail mail

OR

I wish to read the newsletter on the website

Please forward payment to:

The Treasurer  
CRISP Nursery Inc.  
PO Box 706  
Heathmont, VIC 3135





# CRISP Nursery News

Spring - Summer 2019

Indigenous  
Plant Nursery  
17 Greenwood Ave,  
Ringwood VIC 3134

Tel. (03) 9879 3911  
ABN: 83189398124  
crisp@melbpc.org.au  
crispnursery.org.au



# CRISP Nursery News

Spring - Summer 2019

A Family of Tawny Frogmouths in our backyard  
overlooking the BJHubbard Reserve  
Bob and Meredith Briggs

## Spring-Summer 2019 Focus on Pollinators

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