



# BUTTERFLY CONSERVATION SA INC.

## NEWSLETTER

No. 71: April 2020

### BEE AND BUTTERFLY GARDEN AT WEST CROYDON

*Daniel Cooper*

Rosetta Street Greening is an enthusiastic group of volunteers based in West Croydon, who started by creating approximately 200 meters of wonderful gardens at our local train station. We've won 'Most Loved Street' in the City of Charles Sturt Council Spring Garden Competitions for the last four years. While this has been a great treat for us as volunteers, and the train-travelling public, our minds started to turn to the butterflies and bees in our area.

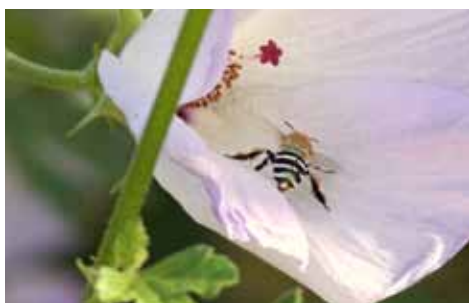
Our latest project is a 'Bee and Butterfly Greenway Garden' along 200m corridor of train line, extending from existing gardens. Aside from being part of the wonderful Outer Harbor Greenway bicycle route, this is a high traffic area used by students walking to Kilkenny Primary School, by parents doing drop offs and by commuters accessing the West Croydon railway station.

To tempt the bees and butterflies, we have planted flowering native plants, Mediterranean species and succulents. There are plenty of umbel type flowers. There is also a large 'native bee hotel', which already has residents. Bees seen include blue banded, leaf-cutter and common wasp mimic. The primary purpose of the hotel is educational, as the school children cross the rail line at this point, and there in an information sign and cartoons of some native bee types. Butterflies are also starting to find a home, and several types were fluttering around at our last working bee.

This project started with SA Water generously agreeing to fund two water taps and meters through its Community Partnerships Program. Charles Sturt Council then paid for irrigation and some plants. We purchased a huge amount of mulch, but Jeffries Soil refunded the cost when they found out more about our goals. The bulk of the plants have been cuttings from volunteers' own gardens. It's been amazing how much the area has come on in just a few months, starting with a hard packed verge that'd seen no love for decades. It's so important that as private gardens dwindle, we're able to come together to create useful and beautiful spaces in public areas.

ABC-TV's Gardening Australia recently braved a 42 degree day to come out and film us extending the garden even further, like crazy people! Sophie Thomson of course has an interest in this sort of thing, and it was partly a talk by her at a previous Spring Garden Awards night that spurred us on.

The sense of community this garden is creating has been great, providing a real sense of inclusion. It's fun to hear the shouts of 'fantastic', 'awesome' and 'great job' from passing cyclists. More photos page 3.



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Left: *Amegilla cingulata*, blue-banded bee. bees on *Buddleia*, Above: Garden beds and Sophie Thomson on Gardening Australia filming day.

BUTTERFLY CONSERVATION SA. INC. Membership enquiries: [membership@butterflyconservationsa.net.au](mailto:membership@butterflyconservationsa.net.au) or online: [www.butterflyconservationsa.net.au/product/become-a-member/](http://www.butterflyconservationsa.net.au/product/become-a-member/) Membership payments (\$20pa - less \$10 for email newsletters): to Treasurer: PO Box 4, DAW PARK 5041. Cheques to be made out to: Butterfly Conservation SA Inc. EFT details: BSB 633-000 Account No:152785838 Bank: Bendigo Bank. Account Name: Butterfly Conservation SA Inc. Please email Treasurer if paying by direct debit: [treasurer@butterflyconservationsa.net.au](mailto:treasurer@butterflyconservationsa.net.au) with name, amount and item.

## REPORT ON THREATENED BUTTERFLY SPECIES CONFERENCE HELD IN BRISBANE ON 6<sup>TH</sup> DECEMBER 2019 TITLED “BUTTERFLIES ON THE BRINK”

Being a signatory to the Convention on Biological Diversity the Australian government has become committed to avoiding extinctions of Australian Fauna and Flora. To find out what is threatened, and how large that threat is, the Government has funded a group termed the Threatened Species Recovery Hub (TSRH) under the National Environment Science Programme (NESP) to come up with lists of threatened fauna and flora. I mention this only so that you can add to your acronyms and keep your agencies in line!

Not enough field work has been funded in the past to have a sound long term scientific basis on which to construct these lists, and there is probably not enough time in the future to collect it before more extinctions occur. So, a method using experienced watchers and collectors to construct these lists has become necessary. This process is called Expert Elicitation.

In this process “experts” are asked to review the known data about a current highlighted species, give a personal estimate based on that information (and current practices) as to how likely they think that species will go extinct in the next 20 years (as a percentage) and to state how confident they were about their “guesstimate.” The data is then statistically analysed and a final, ordered list is constructed. This list will allow governments to focus whatever money they see fit to direct, on those species considered most threatened.

A highlighted list was constructed by Dr. Michael Braby, the doyen of Australian Butterflies but the list could be added to by the participants, after discussion within the group. During the day about 30 species were considered. Each species was presented, talked about by the state experts, discussed by the whole group and then voted upon in secret by all of the participants. At the end of the day all the results were tabled and commented upon. Overall preliminary results have been constructed and sent to all the participants but no final list has yet been seen. With the recent massive bushfires (unpredicted and unprecedented) in the ranges of some these species the accuracy of that list might not be valid!!

It was an interesting day, and the variation in the expert’s opinions surprising, though of course most fell within a standard curve of results. Fortunately, the highlighted list did consider known troubled subspecies, but whether the powers that be will recognise the need to act at the subspecific level and not just the species level will be critical for the survival of those important imperilled subspecies. For me one of the frustrating aspects of the

day was that it did not consider (and probably couldn’t on current knowledge!) endangered populations. Take for example *Hesperilla chrysotricha*. In SA we have four known populations (all slightly different), the southern Fleurieu where it is near extinct, western Kangaroo Island which was a stronghold but who now knows, the southern Eyre Peninsula, where it probably hasn’t been collected in the last 25 years and a fourth in the SE where it is hanging on in the few truly wet areas that haven’t been drained! - It is probable that none of this loss of biodiversity will be known about at a government level. At an even smaller scale, small local populations of species are probably going extinct on a weekly basis!

Professor Stephen Garrett and Dr Hayley Geyle both from NESP, organised and ran the conference, and I am sure all the participants were pleased to attend and give their input, pleased that something was being done in the direction of species conservation. South Australia was well represented by myself, Bryan Haywood (both Board members of BCSA), Alex Stolarski (possibly the state’s most active current collector), and Ethan Beaver, a young moth and butterfly collector and expert on the Hepialid moth group.

I hope the current Government does make a heartfelt and genuine effort to save our invertebrate wildlife. Unfortunately, the comment that came up time after time was that any management needed to be active management. Setting aside a reserve was only a start. Weeds had to be removed and kept under control, host and nectar plants looked after and maintained, and populations needed to be monitored. All of this needs a continual input of money and time. More Park Rangers will need to be employed and their jobs returned to the stewardship of nature that they used to be. We can employ others to clean the toilets! With money now needed to be put into Bushfire recovery programmes, and combatting the spread of the COVID 19 virus, I am pessimistic our wildlife is going to take a back seat, - yet again.

Mike Moore

Articles for the next newsletter to:  
‘The Editor’  
BCSA Newsletter  
C/- editor@butterflyconservationsa.net.au  
Please send images separately as a .jpg, not embedded in word documents.



*Hesperilla chrysotricha*  
Photos: LHunt.



## BEE AND BUTTERFLY GARDEN AT WEST CROYDON

Daniel Cooper - continued from page 1.



Photos: bee hotel - still some vacancies. Garden beds, Wanderer feeding and Skipper. All photos Daniel Cooper

## THE SEARCH IS ON FOR COTTON-BUSHES

## Where in South Australia are Wanderer food plants?

The broad leaf milkweed *Gomphocarpus cancellatus* is an exotic plant from the winter rainfall area of southern Africa, and is used as food in South Australia by the North American Wanderer butterfly (*Danaus plexippus*).

**Importantly, it has been adopted as a food by the true-blue Aussie Lesser Wanderer (*Danaus petilia*).**

Lesser Wanderer butterflies are rarely seen in Adelaide. However, they are abundant in the dryer parts of South Australia, where their native milkweed foodplants grow and have recently been seen at Callington, where it is likely they are feeding on the exotic broadleaf milkweed.

Would Lesser Wanderers be encouraged by growing the native milkweeds on the Adelaide plains? Do Lesser Wanderers (and Wanderers) prefer the native or the exotic milkweeds?

Member John Wilson is documenting the locations of broadleaf milkweed plants, and checking if Lesser Wanderers are present. So far, he has details for patches in Brownhill Creek, Crafers, Mt Osmond, near Mobilong Prison and near Callington. Why were Lesser Wanderers at Callington but not at the other sites?

If you know where patches of the introduced milkweed plants are growing, please email John at [j.and.m.wilson@internode.on.net](mailto:j.and.m.wilson@internode.on.net) with location information – preferably detailing the latitude and longitude.

If you see any Danaid caterpillars, please check if they are Lesser Wanderers (which have 3 pairs of "horns", whereas Wanders only have 2) and send John a photograph to confirm the species.



Photo Lesser Wanderer larvae. LFHunt

## REPORTS OF CAPER WHITE BUTTERFLIES

## AT WILLIAMSTOWN:

At the March BCSA committee meeting held at Membership Officer's home Gil Hollamby at Willamstown members toured Gil's garden and viewed the newly laid Caper White butterfly eggs on his very healthy caper bushes. A number of adults were seen flying.



## CRAFERS WEST:

Committee member Anne Frodsham reported that this year was thrilled to see Caper Whites maybe for the first time in her garden at Crafers West. A very dry garden with ONE small yellow lantana in full flower and visited by a succession of Caper Whites (see pic), some not photographed were almost totally cream with just a touch of yellow at the base of the forewing.

She also recorded Meadow Argus, Painted Ladies, grass darts, common browns, and even some Wanderers, all in small numbers.



## YORKE PENINSULA:

Seeing a lot of butterflies in the garden this week (18th March) at Ardrossan on Yorke Peninsula. Road from Moonta to Ardrossan on Monday about 3 pm, saw 105. Unable to photograph, but thought you may be interested. Chris & Don Smith from Thimdsdale Park on the Ardrossan Road.

## CAPER WHITE BUTTERFLIES

The illustration in our book "Attracting butterflies to your garden" is of a dark form. The adults are generally much paler however they do vary considerably from very light to very dark.

***Anisynta cynone* MOTTLED GRASS-SKIPPER DISCOVERY ON TLOPERII****Karen Lane.**

For the last 10 years Chris and I have been working on the restoration of a number of habitats on our 80 acre property "Tloperii," located on the southern, central part of Hindmarsh Island. Our property was part of a much larger dairy farm (called Fairfield Farm) that had been continuously grazed and cropped since 1856 when this part of the Island was first settled.

We have established over 65,000 locally indigenous plants of nearly 200 species to create a number of habitats for various fauna, on the property. We have also been monitoring our successes both through on ground photo points and drone photography and through citizen science projects to record the return of local wildlife. As there was no remnant vegetation on the property when we started and we were faced with open, treeless paddocks this has been a fascinating process.

From bare paddocks 10 years ago to the restored ecosystems of today we have recorded 5 species of bats, 5 species of frogs (our wetlands are ephemeral and as such do not have permanent water so this diversity of frog sp. is quite interesting), 2 legless lizards, 3 species of snakes, 5 other reptiles (dragons and skinks), over 50 species of native birds, many of which have taken up permanent residence in the revegetated areas and we also have Western Grey Kangaroos and I suspect brush tail possums and native rats as well but the latter need confirmation.

One recent discovery was particularly exciting. I had noticed several little skipper butterflies (skippers are tiny butterflies only 2 to 3 cm in size that I suspect many people don't even recognise as even being a butterfly) on the sand dune revegetation sites. I thought they looked quite different from the fairly common white banded grass darts (another type of skipper) usually seen flying around.

Mike Moore from the Butterfly Conservation Society thought I might possibly be describing a Cynone Skipper, *Anisynta cynone*, or sometimes called by its other common name Mottled Grass-skipper. I managed to catch one which is now in the freezer and will be lodged in the museum. Mike has confirmed that it is indeed a *cynone*. The underwing markings being the definitive method of identification used with skippers.

A search on Atlas of living Australia shows that this little butterfly is very rare indeed with the last recorded collection nearest to the Island being in 1961 in Goolwa. Although I think several Butterfly Conservation Society members may have seen some on the Fleurieu Peninsula as late as the 1990s. It is also very rare now in the Adelaide area as well.

Most of the butterflies were seen in and around the last of the veldt grass that was underneath some dead shrubs that I hadn't got around to tidying up on the front sand dune. I haven't seen any to date on the nice big patches of native grasses established elsewhere on the property so for the moment those weedy patches will stay as they are

until I can be sure that they are using the native grasses as larval (caterpillar) host plants. Several large acacias had died on the dunes and butterflies were seen mostly sunning themselves low down on the dead branches.

Conserving remnant vegetation is very important and has always been a priority but it is possible to create really biodiverse functioning ecosystems from bare earth sites and to get really good outcomes if they are structured, carefully designed and your management strategies are constantly readjusted to suit local wildlife.

Mike is now hopefully seeing if we can re-establish another rare skipper butterfly on the property as we have planted nearly 3000 *Gahnia filum* in the ephemeral wetland areas as larval host plants for Yellow Sedge-skippers (and for other wildlife as well) We were hopeful that they may naturally have recruited on the *Gahnia* but they may need to be translocated to establish a population as remnant populations maybe too far away. More on that project hopefully in the future and meanwhile there is still so much to learn and discover.



*Anisynta cynone*, Hindmarsh Island and area where butterfly has been found. Photos: Chris Lane.

**CHEQUERED COPPER BUTTERFLY**

Are you interested in joining the 'Friends of the Chequered Copper Butterfly' group? If so, contact Chairperson Gerry Butler, see back page for his contact details.



**DGR STATUS APPROVED**

In an exciting development, BCSA has recently had their application for DGR (Deductible Gift Recipient) status approved by the Federal Minister for the Department of Agriculture, Water and the Environment. See below.

Our very special thanks go to John Wilson for his work on this application, which has been more than four years in the making.

This news means that future donations to BCSA can now be considered as tax deductible under the Income Tax Assessment Act 1997 and will be placed in a special fund to be called the 'Butterfly Conservation Fund'.

The subcommittee of the Conservation Fund presently has three members. John Wilson, Mike Moore and Jan Forrest OAM.

The committee met recently and has provided to the BCSA Management Committee for approval, committee terms and reference and guideline for the use of this fund.

To satisfy ATO requirements, donations received should have a separate receipt prepared by the Treasurer in the name of the Fund and provided by the Treasurer to the donor with the information "donations of \$2 or more are tax deductible".

Ref: 19/010553

Mr John Wilson  
Committee Member  
Butterfly Conservation South Australia Incorporated  
PO Box 4  
Daw Park SA 5041

Dear Mr Wilson

**REGISTER OF ENVIRONMENTAL ORGANISATIONS—SUCCESSFUL APPLICANT**

I am pleased to advise that Butterfly Conservation South Australia Incorporated and its public fund have successfully been entered onto the Register of Environmental Organisations (the Register) as of 4 March 2020.

Donations made to the public fund from the date of entry may now be eligible for a tax deduction under the *Income Tax Assessment Act 1997* (the Act). The Australian Taxation Office has been notified of the organisation's entry onto the Register and will update the organisation's Australian Business Register entry to reflect the public fund's endorsement as a Deductible Gift Recipient (DGR).

Your organisation is required to abide by the Register's Guidelines and the Act in order to maintain its listing on the Register. This includes the requirement to provide an annual statistical return, and notify the department of any changes to public fund management committee membership, organisation name, public fund name or the organisation's founding documentation. You also need to inform the department if there is a departure from the model rules of the public fund.

Any queries regarding the Register can be directed to the Department via email to [reo@environment.gov.au](mailto:reo@environment.gov.au) or phone 02 6274 1467.

Yours sincerely



Mr Travis Bover  
Assistant Secretary  
Portfolio Strategy Division

10 March 2020

## BUTTERFLIES MAKE COASTAL COMEBACK

Clare Peddie, Science Reporter -reprinted from Adelaide Advertiser Wed. 18 March, 2020

Photo: Tait Schmaal



SPREAD YOUR WINGS: Andy Lines is volunteering to reintroduce the Yellowish Sedge-skipper butterfly to Adelaide.

A long-lost butterfly is making a comeback in Adelaide after decades of work to secure the species' habitat and prepare sites for its reintroduction.

Natural Resources Adelaide and Mount Lofty Ranges says the Yellowish Sedge-skipper was locally extinct, having last been seen in 1985. Natural Resources coast and marine manager Tony Flaherty is "very excited" to bring the species back to Adelaide.

"This is a culmination of a 20-year project with local councils, which has involved replanting sedges that are the host plant for the caterpillars," he said.

"After many years of effort, there is now enough habitat to 're-wild' the butterfly back to the Adelaide coast."

The final stage has involved collecting caterpillars and pupae from other parts of South Australia, where the species is still hanging on, and raising them in captivity to produce healthy adults.

"Already we've seen ample evidence that they are breeding and hopefully laying their own eggs," Mr. Flaherty said.

He said butterflies were important plant pollinators and it was vital to protect them and other insects.

The skipper's demise followed the loss of habitat, particularly a plant known as thatching grass, which early settlers used for roofing. The plant was later cleared for housing and agriculture.

Volunteer Andy Lines, 56 of Hackham, has been "baby sitting" more than 100 skippers as they go through their life cycle, from larvae collected in the wild near the Coorong and Yorke Peninsula, through to adults ready for release.

"I'm a bit of a conservationist, just trying to make things better," he said.

Most of the skippers have already been released at low-lying wetlands, such as the Washpool at Aldinga Beach.

## Abstract from MONASH HEALTH

Dunn, K.L. (2020) Rediscovery of the Rayed Blue, *Candalides heathi* (Cox 1873) (Lepidoptera: Lycaenidae) on Mount Buffalo, Victoria.

Calodema, 750: 1-27

Kelvyn Dunn

The presence of the Rayed Blue butterfly *Candalides heathi* on Mount Buffalo has now been confirmed after an absence of sightings for 85 years.

The species appears to be common but patchy in the national park, for the most part occurring westward from the Mount Buffalo Road. It is now known from nine regions on the plateau and upper slopes ranging in elevation from 1060 to 1560 m.

The males patrol close to the ground in heathlands and along the edges of carriageways through snow gum and tall open forests where patches of *Veronica derwentiana* (Plantaginaceae) exist. Females usually fly close to the larval hosts or in areas where flowers are abundant and are seen less often.

The species appears to have just one brood per year at these elevations. The adults can be found from at least the second week of November through to the first week of January.

This paper discusses the first report of the species in the park, and in doing so considers the number of surveys that have since taken place for the month in which it was obtained, corroborates a likely collector for it by datamining broader groups of Lepidoptera, and speculates as to where on the plateau it was found historically.

Although the historic date stands as the latest encounter in the month concerned, targeted surveys will probably extend the flight season a little more towards mid-summer than the evidence offers at this time. The population on the Buffalo plateau has been placed with the nominate subspecies with good confidence using mixed evidence.



*Candalides heathi* Photos: LFHunt

## BUG COURSE

Gil Hollamby, BCSA Membership officer.

Would you like to know more about insects so that you can better talk to others and make them aware of the importance of the smaller creatures in our environment and why we should help in their conservation?

Well I came across this free course on Insect-Human Interactions on Facebook and having perused it ever so briefly think that it would help add to your knowledge and thus confidence. This is not an advertisement or recruitment email, just to let you know of the existence of this course which I am finding very interesting and informative.

The course is free, but if you want to it can result in a certificate for a reasonable fee. Using it in free mode does mean negotiating some of the pages by using the back arrow key and selecting the next module rather than being able to submit your work to a tutor before being able to proceed.

"Of all the animals on earth, which are the strongest for their size? What about the fastest? Who were the first animals to evolve flight? Insects take all of these titles and more! As the most abundant animals on the planet, insects and other arthropods affect our lives in so many ways. From beneficial interactions like

pollination and biological pest control, to the transmission of life threatening diseases; this course will teach you about the big ways that these little arthropods impact our lives.

In Bugs 101: Insect-Human Interactions, you will be plunged into the diverse (and sometimes alien) world of arthropods to learn how they work, what they do, and how insects and humans interact every day.

After completing this course, you will be able to:

- Describe the evolutionary relationships between insects and their arthropod relatives
- Inventory major groups of insects and their diversity
- Demonstrate evolutionary adaptations that make insects successful
- Discuss insect biology and human-insect interactions
- Evaluate positive and negative interactions between insects and humans
- Propose practical and symbolic roles insects play in human societies"

University of Alberta web site:

<https://www.coursera.org/learn/bugs-101>.

## FRIENDS OF THE CHEQUERED COPPER BUTTERFLY AND PHOTOS FROM SUCCESSFUL FIELD DAY INFORMATION SESSION 18 March.

The 'Friends of the Chequered Copper (*Lucia limbaria*) Butterfly' has been supported by the City of Adelaide during 2018-19 and 2019-20 to record the number of butterflies, plants and ants on a GIS database, using an app called 'Collector for ArcGIS', in Pakapakanthi /Victoria Park.

We study the interaction of the ants and caterpillars from hatching from a tiny egg (0.78mm dia) and moving between the protection of the ant hole and the plant

where it is encouraged to feed. We call this 'Herding Caterpillars'.

On 18 March we were Welcomed to Country by Kaurna elder Corey Turner, with David Hirst, Andrew Crompton and Andrew Lines as our experts, about 50 people enjoyed a perfect day and saw many Chequered Copper butterflies. More detail on [www.butterflyconservationsa.net.au/Projects](http://www.butterflyconservationsa.net.au/Projects).



Photos:  
Jan Forrest



# Order Form for Butterfly Conservation SA Polo Shirts



Please lodge order form to Jan Forrest, PO Box 4, DAW PARK 5041 or  
janf@butterflyconservationsa.net.au by 30<sup>th</sup> April, 2020. (allow 4 weeks delivery)

## MENS CREW POLO - P400MS

FABRIC 65% Polyester, 35% Cotton Pique 210 GSM  
UPF rating - Very Good (light colours), Excellent (dark colours)  
FEATURES Durable top-stitched armhole and twin needle sleeve/hem;  
Knitted flat collar for sleek appearance; Loose pocket included  
COLOURS: Grey Marle, Cyan, Teal, Fucshia, Red, Orange, Gold.  
GARMENT SIZES and MEASUREMENTS

TWO logo variations are available:

Rust or Green stem

Measurement	S	M	L	XL	2XL	3XL	5XL
Garment Half Chest (cm)	52	55	58	62	65	71	79

## LADIES CREW POLO P400LS

FABRIC 65% Polyester, 35% Cotton Pique 210 GSM  
UPF rating - Very Good (light colours), Excellent (dark colours)  
FEATURES Durable top-stitched armhole and twin needle sleeve/hem;  
Knitted flat collar for sleek appearance; Fashionable Y-placket  
COLOURS: Cyan, Kelly Green, Fucshia, Red, Orange, White.  
GARMENT SIZES and MEASUREMENTS

TWO logo variations are available:

Rust or Green stem

Measurement	8	10	12	14	16	18	20	22	24
Garment Half Chest (cm)	46.5	49	51.5	54	56.5	59	62	65	68

SIZE GUIDE CAN BE DOWNLOADED <http://www.bizcollection.com.au/products/p400ms> or /p400ls  
ONLY lighter colours given. The logo has black writing so does not show up well on dark colours.

### PLEASE CIRCLE REQUIREMENTS – TYPE / SIZE / SHIRT COLOUR / LOGO VARIATION COLOUR.

If you wish to collect your new shirt at the Public Talks Program do not include postage. YES/NO

Do you want the logo embroidered on the shirt pocket? YES/NO

**COSTS:** Polo Shirt plus Embroidered Logo **\$35.00** PLUS Postage **\$10.00** (registered \$18)

Alteration – sew pockets (men's only has supplied pocket) \$5.00

**ENCLOSED \$** \_\_\_\_\_

Embroidery on own garment supplied \$11.00 (you will need to take your garment to Marino Monograms Pty. Ltd., 861 South Road, Clarence Gardens and then collect it).

Children's shirts are also available – refer to Biz Collection website. BIZ-P400KS

### Your details:

Contact person name:	Contact phone number:
Email: (please print)	
Postal address for delivery:	
	Postcode:

### Payment options:

#### Cheque Payment:

Cheques made out to: **Butterfly Conservation SA Inc.**

and posted to: Butterfly Conservation SA Inc.,

PO Box 4, DAW PARK. 5041

North Terrace,

ADELAIDE, 5000, SOUTH AUSTRALIA

**Do you require a receipt? Yes / No**

#### EFT Payment:

BSB: 633000

Account No: 152785838

Account Name: Butterfly Conservation SA Inc.

Bank: Bendigo Bank

Please email Treasurer with name and transaction details

to: treasurer@butterflyconservation.net.au.

Butterfly Conservation SA is a not for profit organisation and as such we are not registered to collect GST. We have already paid GST as an end user.

**PLEASE LODGE FORM WITH JAN FORREST PO Box 4, DAW PARK 5041 or [janf@butterflygarden.net.au](mailto:janf@butterflygarden.net.au) BY 30<sup>th</sup> April, 2020.**



## BUTTERFLY APP WORKSHOP

On Saturday March 14th around 40 people gathered at the Glenunga Hub for presentations by Chris Sanderson (photo below right), Mike Moore and Michael Braby (photo below left). The new Butterfly app. was presented and an overview of how to go about using was provided.



The app has been developed by the Australian National University in conjunction with the Atlas of Living Australia.

This innovative butterfly app provides everything you need to get out and watch butterflies. The field guide provides the basics on how to look for and identify each species of butterfly found in Australia, and where available it contains photos of all the different forms and life history stages of each species.

Go to: <https://www.butterflies.org.au/external/home> to see the website and posts.

### A new butterfly citizen science project

**Welcome to Butterflies Australia! We are a citizen science project that aims to get everybody looking at butterflies and recording their sightings. After many years in the works, we are finally launching on Thursday October 24th, 2019.**

**We have a free phone app (iOS and Android) and a website that will let you send your sightings to us. The apps also include a free digital field guide, and the website will have a feature that lets you explore the butterfly data in a number of ways on a handy map.**

**We have lots of ideas we are keen to put out there for you. Check out the Fact Sheet section for handy information on how to identify butterflies, how to use the apps, and many other things. Keep an eye on this news section for details on workshops we are running around the country for a chance to hear from the project team about butterflies, and how you can get involved. You can keep up with the latest information in our Facebook group as well.**

**We are excited to share our enthusiasm about Australia's amazing butterflies with you, so download the app and get recording!**



Please contact Secretary Brett Oakes if you would like to take part in a workshop on how to use this Butterfly app.



## WILD POLLINATOR COUNT

Australia has many wild pollinator insects that are often overlooked. The European Honey Bee (*Apis mellifera*) gets its fair share of attention because it is an adaptable, generalist forager, which means it is happy to visit almost any flower, in most climatic zones. It is also a social species, so its hives are easy to domesticate and manage.



Many native insects also contribute to pollination in crops and gardens around the country. We still need to do a great deal of research to identify all our pollinator insect species and which plants they pollinate, understand their ecology and how they are affected by human activities.

The wild pollinator count gives you an opportunity to contribute to wild pollinator insect conservation in Australia. Count wild pollinators in your backyard or local environment and help to build a database on wild pollinator activity.

Wild Pollinator Count dates for 2020

Autumn: 12 – 19 April

Spring: 8 – 15 November

You can join in by watching any flowering plant for just ten minutes sometime in the count week.

You don't need to be an insect expert.

You don't need fancy gear.

You may be surprised by what you see.

Find out how to count pollinators, identify the insects you see and how to submit your observations at:

<https://wildpollinatorcount.com/>

Reprinted from AML NRM Education News

### POSITION VACANT - TREASURER

We are now seeking a new Treasurer following the resignation by Dianne Lynch at the end of March due to other commitments.

If you have the necessary skills and interest in joining a dynamic management committee in this role please contact the Chairman Gerry Butler or Secretary Brett Oakes for a job description and/or talk about your interest.

## THANK YOU

On behalf of the BCSA Chairman Gerry Butler, members, and the Management Committee team, to retiring Treasurer Dianne Lynch, for her outstanding contribution to the financial management of Butterfly Conservation SA.

## Butterfly Conservation South Australia Inc.

presents the tenth

# PUBLIC TALKS PROGRAM for 2020

On the first Tuesday of the month March to  
November at 6.15pm for a prompt 6.30pm start.

### At the Plympton Community Centre

34 Long Street, Plympton.

(200 metres E of Marion Rd, and 300 metres N of Anzac Highway).

### Public transport options include:

#### Bus from the city via Anzac Highway.

Routes: 245, 248, 262, 263, 265, M44, N262.

Closest stop is Stop 9, then approximately 350 metre walk along Long Street.

#### Bus from the city via Marion Road.

Routes 100, 101, H20. Closest stop is Stop 10 (east side is approximately 100 metres south of Long street). Stop 10 (west side is on the other side of Moringie Ave.

approx. 100 metres north of Long Street). Then approx. 250 metre walk along Long Street.

Entry by donation (minimum of \$2).

### Bookings not required

Please bring supper to share and your own cup, tea/ coffee will be supplied.

Meetings should conclude by 8.30pm.

At the start of each meeting a ten minute presentation on a 'Butterfly of the Month' will be given by a BCSA committee member.

### DON'T FORGET TO BYO CUP.

In the case of an advertised speaker not being available, a speaker of similar interest will replace that advertised.



Photo RHFisher: Painted Lady butterfly *Vanessa kershawi*



www.butterflyconservationsa.net.au

Venue presentation of following talks will be advised.

**2nd June Weeds - how to identify and control them in your garden and native scrub. to be presented via Zoom.** Dr. Chris Preston is Professor of Weed Management at the University of Adelaide. He has a particular interest in understanding and managing herbicide resistant weeds and the ecology, biology and management of emerging weeds in agriculture.

### 7th July Water in the Murray Darling Basin – its relevance and lessons for water management and conservation in Adelaide.

University of Adelaide Adjunct Professor Wayne Meyer will set the context for considering water amounts, uses and variability. Prof Meyer will discuss the changing governance and management in the Murray Darling Basin and what we should know about water in greater Adelaide in relation to its management and conservation.

**4th August A day in the life of a zookeeper.** The Assistant Curator of natives and primates at Monarto Zoo, Louise Stockbridge, will provide a fascinating insight into behind the scenes of one Australia's most prestigious zoos.

### 1st Sept. 6.30pm BCSA AGM 7.00pm Public Talk Biological Surveys in Australia and their value to science.

Dr. Cath Kemper, Curator of Mammals at the South Australian Museum has undertaken vertebrate surveys in outback Australia for the best part of thirty years. She will talk about and show images of some amazing outback locations and important vertebrate finds. She will also explain why Museums collect and how these collections not only provide us with important distribution data but are pivotal to future conservation efforts.

### 6th Oct. Maralinga and Emu, a dark chapter in Australia's history.

BCSA committee member Jan Forrest OAM will trace the history of the British atomic bomb tests at Emu Field and Maralinga in the 1950s including the clean-up phase and present-day images of the flora and fauna found in this remarkable area of the South Australian landscape.

**3rd Nov. 20 years of monitoring butterflies** - BCSA committee member Bryan Haywood will provide an historic overview of the Penambol Butterfly Walk including how to set one up and the findings after 20 years of monitoring at this site. He will also highlight some of the South East butterfly species not seen in other parts of the state and the conservation efforts currently being undertaken to conserve these species.

## Large-eyed Boxed-owlet *Grammodes ocellata*

Usually found in the more arid areas of Central and Northern Australia this Moth is an occasional visitor to southern South Australia during some years, the medium to large sized adults have a wing span of 42mm and are on the wing from October until February, larva have been recorded feeding on Spurge (*Phyllanthus* sp), a group of low growing herbs and small bushes.

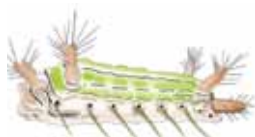
This Large-eyed Boxed-owlet (*Grammodes ocellata*, Tepper, 1890) was snapped in mid October 2019 at the Headlands Reserve just south of Hallett Cove Beach by Friends of Aldinga Scrub member Nigel Charman, two other records (Atlas of Living Australia) are from Dorset Vale on the 24.10.2010 and at Elliston on the 6.10.2016



## CAN YOU HELP?

### WHAT CATERPILLAR IS THAT? PHONE APP.

Last newsletter I asked for expressions of interest from members interested in forming a focus group to discuss a proposed new smartphone app "What caterpillar is that?" to be devised in collaboration with students from Carnegie Mellon University



There is still time for you to volunteer for this interesting project and we encourage you to contact Jan Forrest for further information at janf@butterflyconservationsa.net.au, or jan\_forrest@bigpond.com. Jan would be delighted to hear from you.



## PUBLIC TALKS PROGRAM - JUNE - AUGUST 2020

### 2nd June: *WEED MANAGEMENT - strategies and tactics.*

Dr. Chris Preston is Professor of weed management at the University of Adelaide. He works on understanding and management of herbicide resistant weeds. Current research projects include integrated weed management (IWM) in southern farming systems to combat herbicide resistance, Improved herbicide efficacy and longevity in southern no-till farming systems, Mechanisms, Evolution and inheritance of resistance. He also chairs the Australian Glyphosate Sustainability Working Group.



The research of the weed science group at the University of Adelaide is focussed on better management of weeds in agricultural cropping systems. Areas of current research activity include: the evolution, biochemical mechanisms and management of herbicide resistant weeds, ecology and biology and management of emerging weeds in agriculture, gene flow from herbicide tolerant crops and bring its implications for farm management, risk assessment for weeds and herbicide tolerant crops and patterns of genetic diversity in weed populations.

We are sure this talk be of great interest to all the gardeners out there, battling their own weed problems!

### 7th July: *WATER IN THE MURRAY DARLING BASIN - its relevance and lessons for water management and conservation in Adelaide.*

Professor Wayne Meyer will set the context for considering water amounts, uses and variability. Prof Meyer will discuss the changing governance and management in the Murray Darling Basin and what we should know about water in greater Adelaide in relation to its management and conservation.



Wayne is currently the Adjunct Professor of Natural Resource Science after 9 years at the University of Adelaide. He is the Director of the Landscape Futures Program that is part of the Environment Institute at the University.

Wayne is a product of rural South Australia, a graduate of the University of Adelaide, with research experience in Texas, USA and South Africa. He is a Fellow of the Australian Institute of Agricultural Science and Technology and a Graduate of the Australian Institute of Company Directors.

His research career has included 27 years in CSIRO as an irrigation scientist, systems modeller and sustainable agriculture research manager. He was the founding CEO of the CRC for Irrigation Futures that supported 50 postgraduates contribute to the irrigation industry. He initiated and communities plan for changes in future climate and market conditions.

His current research builds on his experience in making science more influential in managing our soils, water and vegetation. His aim is to help people and communities find new ways to use land and water that is productive and conserves Australia's natural plants and animals.

### 4TH August: *A DAY IN THE LIFE OF A ZOOKEEPER*

Hi, my name is Louise Stockburger and I am the Assistant Curator of Natives and Primates at Monarto Safari Park. I have been a keeper with Zoos SA for 14 years and have worked with a variety of species from Hippos to Stick insects!



Looking forward to chatting with you about the day in a life of a Zookeeper. There will be lots of talk of poop and sex!

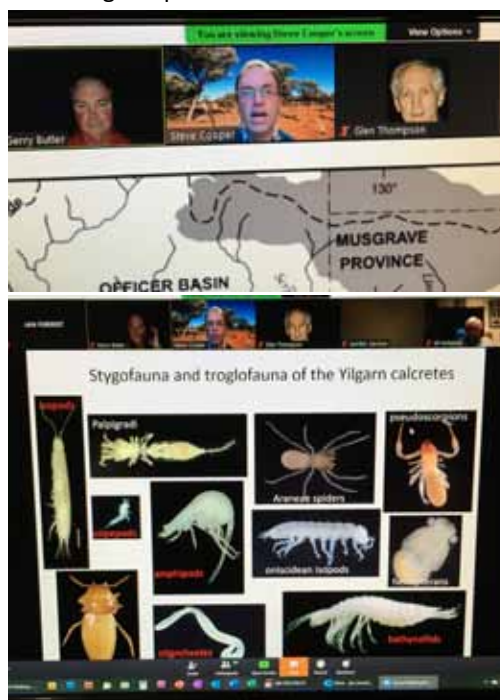
### PUBLIC TALKS - a new way of working

Thanks go to Professor Steve Cooper our speaker for April for agreeing to take up the challenge to present his talk 'Tales from the underground' via the electronic medium Zoom.

47 people joined Steve on-line on the evening of 31st March for an interesting talk which provided a fascinating insight into the underground world of stygofauna. The presentation of power point slides worked very well and following the talk those present were able to ask questions either directly or jotting down their questions on a chat sheet.

The event was managed by our Chairperson Gerry Butler and he did a great job at ensuring questions were taken in an orderly manner (even though his internet dropped out for part way through the session as he is not on broadband).

Great job everyone, it was a pleasure to take part. Our speaker for May 5 Dr. Alice Clement has already agreed to present her talk via Zoom. Check your email for a link to this and other talks presented in this way, also for the link to listen to previous talks available on the cloud for one month following the presentation.



## WHAT'S FOR SALE? - IN OUR ON-LINE SHOP

**BOOKS** *"Caterpillars, moths and their plants of southern Australia"* **NEW** Published BCSA September, 2019 Our price \$30, plus postage.

*"Attracting butterflies to your garden, what to grow and conserve in the Adelaide Region"* **NEW EDITION** Published by BCSA 2016 - Our price \$25 (financial members may purchase a book for \$20) plus postage.

*"The Making of a Monarch"* by Linda Shmith, has now been reprinted. Cost \$20 plus postage.

**DVD** *"Butterfly Garden"* produced by Tracy Baron and Carolyn Herbert - \$20 each (BCSA financial members price \$15) Plus postage.

**POSTERS** *"Spiders and their allies of the Adelaide Region"* Published by BCSA 2014. \$10 a set of two, plus postage.

*"Moths of the Adelaide Region"* \$10 Set of four A3 plus postage. Free download available.

**Single posters:** *"Bats of SE South Australia"* and *"The Bilby - Endangered Species"* posters are available for \$5 each, plus postage.

**FREE Orchid Posters.** Plus postage. Posters are free to schools, but incur postage.

**SITE SIGNS:** to obtain an application form to register a butterfly site click on the site sign logo. Cost \$50 includes postage.

**PLANT TAGS:** See list and form available on website. \$2.00 per tag, inc. plastic stake and postage.

If you would like become a member, order any of our merchandise, including books, plant tags, site signs or posters check out the **ON-LINE STORE** at <https://butterflyconservationsa.net.au/shop/> For queries please email: [info@butterflyconservationsa.net.au](mailto:info@butterflyconservationsa.net.au).

## BUTTERFLY CONSERVATION SA Inc.

An affiliated organisation of the South Australian Museum and Friends of Parks.  
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Treasurer: Dianne Lynch - [treasurer@butterflyconservationsa.net.au](mailto:treasurer@butterflyconservationsa.net.au)

Membership: Gil Hollamby - [membership@butterflyconservationsa.net.au](mailto:membership@butterflyconservationsa.net.au)

Newsletter Editor and Public Talks Convener: Jan Forrest OAM -

[editor@butterflyconservationsa.net.au](mailto:editor@butterflyconservationsa.net.au) C/- South Australian Museum.

Committee: Andrew Lines, Beth Keane, Bernadette Johnson, Bryan Haywood (endangered species advocate), Anne Frodsham, Cristy Seymour (Social Media) Andrew Walters also Gerry Butler (publications and merchandise) [publications@butterflyconservationsa.net.au](mailto:publications@butterflyconservationsa.net.au).

au.Consultants: Roger Grund and Dr. Peter McQuillan.

Public Officer: Beth Keane

## DIARY DATES

**COMMITTEE MEETINGS** - Meetings are normally held bi-monthly (usually the second Monday of the month) at 6.00pm at a committee member's home. All members are welcome to attend. If you would like to attend please contact Chairman Gerry Butler on 0407972149.

**PUBLIC TALKS PROGRAM 2020:** first Tuesday March - November, usually at the Plympton Community Centre, 34 Long Street, Plympton. 6.15pm for a 6.30pm start to 8.30pm. however, for the foreseeable future, due to COVID -19 restrictions, the talks will be conducted via Zoom, commencing at 7.00pm. Please watch your email for information regarding future arrangements.

**Next talk: 2nd June 7.00pm** Dr. Chris Preston will present Weeds - how to identify and control them in your garden and native scrub.

## WEB SITES

**BCSA official website - Butterfly Conservation SA** - [www.butterflyconservationsa.net.au](http://www.butterflyconservationsa.net.au)  
The former domain name **Butterfly Gardening** - [www.butterflygardening.net.au](http://www.butterflygardening.net.au) is also still available and links directly to the new BCSA site.

**South Australian Butterflies and Moths** - <http://sabutterflies.org.au> (authored by Roger Grund).

**NRM Education** - <http://www.naturalresources.sa.gov.au/adelaidemtloftyranges/home>  
'Get involved' - 'Education' - for students, **school monitoring activities** / for educators.  
See also other regional NRM Education sites

## WELCOME TO NEW MEMBERS

Victoria YAGI  
Adrian BURGESS  
Margaret De CAMPO  
Carolyn DEARE  
Francis PAUL  
Jo HUSER  
Myra KLITSCHER  
Michelle LETHBRIDGE  
Don & Chris LILL  
Deborah MARTIN  
Sherylyn McMAHON  
Charlotte McMurtrie  
Althea MIEGEL  
Vanessa MORAN  
Frances MOWER  
Mark PIERSON  
Jennifer PORTAWAY  
Vanessa GREENSLADE  
Vicky VELISKOW  
Deborah HODGSON  
Yuri OGAWA  
Pamela WHETNALL  
Samantha BYWATERS  
Robert BELL  
Peter HOSKIN  
Clive BUDDEN  
Lisa EARL  
Sarah LONGBOTTOM  
Michelle BOWE  
Annette DIXON  
Quang VU  
Cathy KEANE  
Sue LANG  
Kate PRESCOTT  
Jennifer REDMAN  
Frank CAMPBELL  
Sandra KER  
Edward EDWARDS  
Mick ABBERLEY  
Monica SEILER  
Terry ZOGRAPHOS  
Tracey MOYES



KONICA MINOLTA

Thanks to Chris Lane and  
Konica Minolta for their generous  
support to BCSA.

Konica Minolta is a Landcare Australia  
National Partner



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