

BUTTERFLY CONSERVATION SA INC.

Founded 25th July 1998 Adelaide, South Australia.

NEWSLETTER

No. 87: February 2024



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WELCOME TO NEW MEMBERS

James Armstrong
Kris Messenger, Bugs and Slugs
Karin Coplan
Anna Lester
Belinda Schultz
Boronia Winchester
Meredith Luscombe
Angus Tulloch
Ian Overton
Kay Rush

Cover photo: Larissa Grund, Common Peacock *Papilio bianor* see page 11 for more information.



BCSA thanks Konica Minolta for their generous support to BCSA.
Konica Minolta is a Landcare Australia National Partner

BUTTERFLY CONSERVATION SA Inc.

An affiliated organisation of the South Australian Museum and Friends of Parks.

Postal Address; PO Box 4, DAW PARK 5041 South Australia

Email: info@butterflyconservationsa.net.au

Chairman: vacant- Acting Chairman - Gerry Butler chairman@butterflyconservationsa.net.au

Secretary: Alex Coombe - secretary@butterflyconservationsa.net.au

Treasurer: vacant - treasurer@butterflyconservationsa.net.au

Membership: Gil Hollamby - membership@butterflyconservation.sa.net

Newsletter Editor: Jan Forrest OAM

- jan_forrest@bigpond.com 0419990430

Book sales: Sarah Macdonald - publications@butterflyconservationsa.net.au

Website: Lionel Edwards - web@butterflyconservationsa.net.au

Committee: Bernadette Johnson, Bryan Haywood (endangered species advocate),

Mike Moore, Ann Winter, Gerry Butler, Peter McQuillan.

On-line sales: Pushpa Osborne - onlineorders@butterflyconservationsa.net.au

Friends of the Chequered Copper Butterfly - co-ordinator Gerry Butler.

Newsletter Proofreader and Editor - Judith Lydeamore

Public Officer: John Wilson.

DIARY DATES

COMMITTEE MEETINGS: Meetings are normally held bi-monthly

(usually the second Monday of the month) at 7.00pm, current venue, the Australian Plant Society meeting rooms at Wayville. All members are welcome to attend. If you would like to attend please contact Acting Chairman Gerry Butler on 0407972149.

PUBLIC TALKS: The next Public Talk will be held on **5th March** *The Ogyris genus of Lycaenid butterfly*. Presented by member Mike Moore. At the Plympton Community Centre, Long Street, PLYMPTON at 6.30pm.

WEB SITES

BCSA official website: Butterfly Conservation SA - <https://butterflyconservationsa.net.au/>

South Australian Butterflies and Moths: <https://sabutterflies.org.au/home/>

YouTube: https://www.youtube.com/channel/UC3LZ9HPh1-DIH-01YIObkiA?view_as=subscriber

Butterflies Australia <https://www.butterflies.org.au/external/home>

Moths and Butterflies Australasia Inc. (MABA): <https://maba.org.au/>

MEMBERSHIP ENQUIRIES:

membership@butterflyconservationsa.net.au or online:

www.butterflyconservationsa.net.au/product/become-a-member/

Membership payments:

\$20pa - plus \$10 for a mailed newsletter:

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

with name, amount and item.



<https://www.facebook.com/ButterflyConservationSA/>

VACANT COMMITTEE POSITIONS

- Chairman
- Treasurer

If you would like to apply, or know of someone we may approach, please contact
secretary@butterflyconservationsa.net.au



DUSK AT THORNHILL COTTAGE, WILLIAMSTOWN

Gil Hollamby

During January after a rain the day before, today was hot. I recorded some of the nature goings on in my back yard.

I came in for tea but it was too early for Jan and the Big Bash cricket had not yet started on the TV. With a cool drink in hand I went and sat in my hanging chair on the back veranda and watched and listened to the day dwellers preparing to bed down for the night and the night dwellers waking up for their night activities.

The sun is still shining on the back steps and two little skinks are dashing across the steps from leaf litter in the garden on one side of the steps to the garden on the other. I wonder what their view of the world is down there because as they stopped on the rocks on the edge they stretched up on their hind legs looking like their much larger goanna cousins.

A female Common Brown butterfly was flying low and slow around the bushes looking for somewhere to rest for the night. Plenty of Cabbage White butterflies showing no intention to bed down but no Monarch butterflies at all even though there are swan plants and plenty of other flowers.

A fleeting visit to the bird bath by a pair of Crested Pigeons, a couple of big gulps and away. There's an Eastern Spinebill looking very resplendent in new feathers hovering and probing flowers of 'Hot lips' Salvia for nectar. He has to watch out because the New Holland Honeyeaters will chase him away if they can. Actually tonight they are too busy dodging, climbing and diving to pick small insects out of the air.

A Red Wattlebird is calling further up in the back yard. A Raven was doing its last flyover for the day checking for any scraps that had been put out. There is one slice from the end of a loaf of bread that Jan had thrown out for the Sparrows and Starlings. Tonight is different because the Raven spied it and dropped down to take it to the bird bath for a soaking as it usually does before flying off with its morsel to its nest somewhere, which I have still not spied, but tonight was different.

As it dropped the bread to soak, it gave a quiet caw and two young ravens arrived. Sleek shiny black with dark eyes. Mum or Dad bird fed each one a small piece of the wet soggy bread, and whether this was too mushy ... a lesson I am not sure, but he then left them to eat the rest while he went and perched about 5 metres away in a dead cherry tree.

Looks like I will have to clean the bird bath again.

Because of yesterday's rain the air is warm and humid and the top soil quite wet. In my Bromeliad and fern house there is bit of a coughing sound as a frog warms its throat before breaking into a full croak.

Mole crickets had already started their trilling and were making. I can hear the Brushtail Possum stirring from its sleep in the box placed above the back door.

Should be a good night to put out a light sheet to see what else is in the garden, but right now it is almost dark and those pesky creatures of the night, the mosquitoes, have found me so I am going inside.

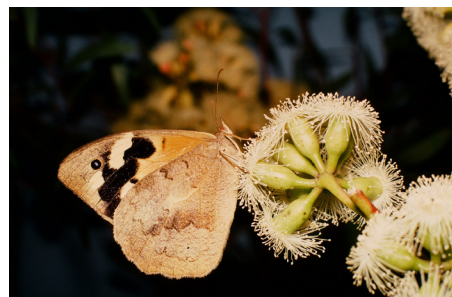


Photo: Gil Hollamby
Williamstown back garden.

Photo: R.Grund
Female Common Brown butterfly
Heteronympha merope.

MORE STUNNING IMAGES by Greg Coote of the CHEQUERED COPPER BUTTERFLY *Lucia limbaria* and Public Information Session.



Check out this link to Greg's Flickr albums <https://www.flickr.com/photos/gcoote/albums>



Join us at the Grasslands Site in the southern area of Victoria Park near the new wetland for a **Public Information Session** as part of the Herding Caterpillars Festival on Monday March 11th, 1030-1130.

Activities will include a discussion about the mutual symbiosis of the Chequered Copper (*Lucia limbaria*) butterfly and hopefully sightings of the caterpillars and adults in the grassland.

THE SCIENCE OF BIOLOGY AND THE LIFE CYCLE OF BUTTERFLIES

Rosa Masiello

Welcoming Spring to Fulham Gardens Primary School for the Foundation and Year 1 students was all about introducing how living things grow and change—the Science of Biology and the Life Cycle of Butterflies.

As you can imagine, students were excited to share their classroom with Monarch butterfly caterpillars. Raising caterpillars meant that students learned about the life cycle of butterflies, their connection to nature, and the importance of native butterfly habitats.

The student scientists eagerly took on their role, as they observed the miniscule butterfly eggs growing, waiting for the emergence of the tiny caterpillars, collecting data from egg to caterpillar to butterfly. They watched as the growing caterpillars ate away at their host plant milkweed, followed by the pupation stage and forming chrysalids. Finally, the emergence of Monarch butterflies to the delight of students and teachers.

The amazing learning adventure continued for students, as it was time to release these colourful lepidopterans to the school's native gardens. Such an incredible learning experience for the early year's students, and extremely rewarding as a teacher.

Realistic learning environments create such meaningful and memorable experiences, deepen knowledge of topic, and hopefully instil a lifelong passion for learning.

Our thanks to BCSA member John Wilson for providing us with Wanderer eggs and caterpillars for our project.



We are pleased to announce an inaugural grant of A\$40,000 for the MABA Biodiversity Fund for this calendar year. The grant is specifically to support early career scientists (within 5 years of completing their Ph.D., M.Sc., or equivalent degree) engaged in projects that emphasise the biodiversity conservation, systematics and ecological interactions of moths.

The deadline for applications is 1 March 2024 and the successful applicant will be notified by 31 March 2024.

For further information on the background, eligibility criteria, details, submission guidelines, review process and reporting requirements please visit the MABA website: https://maba.org.au/grants/available_grants/biodiversity_fund/ and navigate to the header "Call for Grant Applications 2024".

Applications must be submitted to Michael Braby (secretary@maba.org.au)

CONTACT: MOTHS AND BUTTERFLIES AUSTRALASIA INC.
C/O DIVISION OF ECOLOGY AND EVOLUTION, RESEARCH SCHOOL OF BIOLOGY,
RN ROBERTSON BUILDING, 46 SULLIVANS CREEK RD
AUSTRALIAN NATIONAL UNIVERSITY
ACTON ACT 2601 AUSTRALIA

YUNDI - A GREAT DAY OUT, RESULTS

Geoff Cox, participant at the BCSA Yundi day out, has provided the following records of insects sighted during the excursion last year.

Geoff has uploaded all his records from the day to iNaturalist and has found some amazing things!

Here's the Yundi project on iNaturalist: <https://www.inaturalist.org/projects/yundi-nature-conservancy>.

Here are all 200+ records: https://www.inaturalist.org/observations?project_id=yundi-nature-conservancy&place_id=any&verifiable=any

Finds are pictured at right and discussed below.

- A female Black-faced Percher *Diplacodes melanopsis*, no records for this species of dragonfly on the Atlas of Living Australia in the Fleurieu and Southern Lofty region. The 2021 Complete Guide to Dragonflies doesn't consider it to be present in SA (except maybe the far south-east). A great find. Keep an eye out on the property for the red/black male: <https://www.inaturalist.org/observations/192536664>
- White Rush Moth *Tipanaea patulella*. The larvae are thought to bore into the stems of *Juncus* species: https://www.inaturalist.org/observations?place_id=any&project_id=yundi-nature-conservancy&taxon_id=244342&verifiable=any
- A Rice Stink Bug *Eysarcoris trimaculatus*, rarely recorded in SA, no records in the Atlas of Living Australia in Fleurieu or Southern Lofty. This species can be a rice pest: <https://www.inaturalist.org/observations/192615911>
- Plague Soldier Beetles *Chauliognathus lugubris*. These only live 2-3 months. Adults feed on nectar/pollen and larvae live in the soil and feed on soft-shelled invertebrates: <https://www.inaturalist.org/observations/192613932>
- Australian Bush Flies *Musca vetustissima*. The larvae live in dung, so perhaps are associated with the abundant Kangaroo dung: https://www.inaturalist.org/observations?place_id=any&project_id=yundi-nature-conservancy&taxon_id=338075&verifiable=any
- Common Drone Flies *Eristalis tenax* in the ecotone area: https://www.inaturalist.org/observations?place_id=any&project_id=yundi-nature-conservancy&taxon_id=55719&verifiable=any
- Derbid Planthopper, possibly *Saccharodite chrysonoe*, no records on Atlas of Living Australia for this species in SA. Nymphs feed on Fungi and adults on Plants. Many species are host-specific, so may only feed on one Plant species: <https://www.inaturalist.org/observations/192619636>

Also check out Facebook and and Instagram entries as well: <https://www.instagram.com/epistemic.curiosity/>
<https://www.facebook.com/profile.php?id=100085578439339>



Butterfly Conservation South Australia Inc.

presents the fourteenth

PUBLIC TALKS PROGRAM 2024

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 for Plympton 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 \$5).

Bookings not required

Please bring supper to share.

Bring 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 BCSA activities will be made by a committee member.

DON'T FORGET TO BYO CUP.

Photo Robert H. Fisher: Rayed Blue butterfly *Candalides heathi*

In the case of an advertised speaker not being available,
a speaker of similar interest will replace that advertised.
The views of presenters are their personal views.



PUBLIC TALKS PROGRAM 2024

5th March *The Ogyris genus of Lycaenid butterfly.*

Presented by member Mike Moore.

Mike will talk about the new work recently published by Beaver and Braby on *Ogyris* taxonomy. This work includes the description of a number of new species and a reorganisation of existing taxa. This research includes the study of a number of Australia's most iconic *Ogyris* species. In it Mike will discuss a little of the history of this work and the conclusions reached by these researchers.



Michael Moore is a founding member of the association and has been a committee member for most of those 25 years when, at various times, he has also filled the executive positions of Treasurer and Chairperson.

He has been interested in Lepidoptera for most of his life, starting it as a pursuit in his early twenties; he is particularly interested in the butterfly genus *Ogyris* because of their fascinating life styles and their dazzling beauty.

At present he is an Honorary Researcher at the SA Museum where he spends much time researching moths in the Family Hepialidae (Rain, Ghost and Splendid moths) again fascinated by their forms and life styles.

Mike will be talking about the significant work recently done by Beaver and Braby within the *Ogyris* group resulting on the erection of a number of "new" species, and their reconstruction of the relationships between them. He will concentrate on *Ogyris caelestia* Beaver and Braby 2022 but will also discuss the habitat destruction that has led to the near extinction of this and two other butterfly species.

2nd April *Taking photos. How to get the best out of the camera on your phone.*

Presented by member Jan Forrest OAM.

The digital age has transformed photography and taking pictures now is as simple as pulling a phone out of your pocket. The medium may have changed, however the principles of taking a good photo have not.

Bring your camera and phone to experiment, as we look at the use of light, composition and phone/camera settings you may not have used. Jan will finish off with hints on micro, macro and astro photography.



Jan is a founding member of BCSA, holding positions of Secretary, Chairman, Newsletter Editor and Public Talks Convener. She currently holds the last two positions.

Jan received her first camera at an early age and then at age 14 convinced her father to build a room under their house at Blackwood so she could create a darkroom.

She qualified as a professional photographer at the Adelaide College of Arts and Education in 1975 at a time when film was king. During the course she visited factories, power plants, professional photo studios as well as time in the out of doors photographing trees, animals and insects.

POLICE CHECK (NPC) and WORKING WITH CHILDREN CHECK (WWCC)

A National Police Check (NPC) and Working with Children check (WWCC) is not mandatory for our volunteers, unless required by the host organisation conducting an event the volunteer is attending.

This is likely in the circumstance of the volunteer presenting or providing a display at a school or where there is a school group in attendance.

Butterfly Conservation SA (BCSA) is a community body holding a VOAN (Volunteer Organisation Authorisation Number) and members can get a NPC free of charge. If BCSA volunteers wish to get a NPC for their volunteer activity please contact Gerry Butler 0407972149 chairman@butterflyconservationsa.net.au

WWCC are available on-line at <https://www.sa.gov.au/topics/rights-and-law/rights-and-responsibilities/screening-checks/apply-for-a-screening-check>.

There is no cost for volunteers.

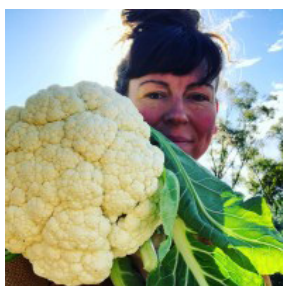
Eventually, Jan was appointed the Natural Science photographer at the South Australian Museum and enjoyed photographing insects and even a series of bat penises as well as minerals. All for publication in various scientific journals.

When the Museum obtained the old Police Department Scanning Electron Microscope she was appointed the Museum microscopist after only one week training in Sydney "because it had a camera on it!".

Although she owns several cameras, lately due to its convenience the phone has taken over as the preferred photographic instrument. So bring your phone (and your camera) and be ready to explore the possibilities these instruments provide for creativity, macro and micro work.

7th May Water Smart Homes and Gardens.

Natalya Giffney, Green Adelaide Sustainable Urban Communities Officer at Green Adelaide will provide an overview of design strategies and integrated water management practices for homes and gardens that can help you to save water and sustain urban landscapes for ecological health.



Natalya works in the Resilient Communities team for Green Adelaide and is involved in projects including SEEDS, which supports schools to be stewards for endangered flora species, delivered in partnership with the SA Seed Conservation Centre.

She also coordinates the Green Adelaide Seminar Series program of talks, which provides a one-hour online talk each month open to community members and staff. Upcoming topics include The Wonderful World of Weeds, The Power of Citizen Science, It's Not Easy Being Green - keeping Adelaide's trees healthy in an age of climate change and Climate Justice - putting equity and human rights at the core of decision-making and action on climate change.

In her spare time, Natalya is an avid gardener who loves growing natives and as much food as possible. She is one of the coordinators of the Unley Repair Cafe and is on the Permaculture SA committee.

She is committed to creating learning and connecting opportunities to support people to live more sustainably and is particularly passionate about soil health, soil life and the connections with health and wellbeing.

Our thanks to Natalya for sharing her knowledge. We look forward to hearing her talk on **Water Smart Homes and Gardens** as we look to the future and how to tackle the effects of climate change on our cities and lifestyle.

MEMBERSHIP FEES FOR 2024 ARE NOW DUE

\$20 per annum plus \$10 for a posted newsletter.

See page 2 for PAYMENT DETAILS

Don't forget to email Treasurer if paying by direct debit:
treasurer@butterflyconservationsa.net.au
with name, amount and item.



Discover walking and hiking opportunities at the WalkFest in Belair National Park. We're bringing walking to all people and all communities with a range of guided walks and hikes and an expo of walking clubs and outdoor retailers. South Australia's bushwalking clubs and Walking SA are coming together to promote walking opportunities with this unique day in Belair National Park.

- Expo of walking tours, walking destinations, outdoor retailers, walking clubs, free entry. 9am to 1pm.
- Guided hikes ranging from 45mins to 3 hours, including child friendly, dog friendly and Accessible options. Discover what makes a walkable neighbourhood.
- Opening of the bushwalking season to celebrate the start of the South Australian bushwalking season. With the arrival of cooler autumn weather, hiking is an ideal outdoor activity.
- Bushwalking equipment and experience demonstration stage.

Location: Main Oval, Belair National Park

When: 9am to 1:00pm

On: Sunday 14th April 2024

Cost: Free vehicle entry to National Park for WalkFest visitors
Free entry to WalkFest

Guided Walks: \$7 on the day to participate, or secure a place on your chosen guided walk by purchasing a ticket online from March 2024.

Walks depart the WalkFest site every 10 minutes from 9:00am to 12:20pm.

Secure a place on your chosen guided walk book online from mid March 2024 or or just arrive on the day at Walkfest and choose a guided walk to join.

Information can be found at:
<https://www.walkingsa.org.au/walkfest-2024/>

Presented by: Principal event partner: Community Partners:



QUARANTINE STATION AND MILITARY PRECINCT AT MANLY, NSW.

Jan Forrest OAM

Next time you visit Sydney take the opportunity to visit the Quarantine Station and Military Precinct at Manly. The views are superb and the old cemetery is full of history, lovely wildflowers, butterflies and native bees.

Last January I visited the Quarantine Station with friends and on New Year's Eve took a ferry from Manly to see the New Year's Eve fireworks on the harbour. Wow what an experience and considerably less expensive than most of the Sydney tours on offer.

The Quarantine Station 'Ghost Tour' was spooky although a bit long. The stories about the families, doctors and nurses that lived at the Station were especially interesting.

THE SPOOKIEST GHOST TOURS IN SYDNEY

Tread the path of Haunted Souls...

Sydney's Quarantine Station on North Head is one of Australia's most haunted sites!

As darkness descends over Q Station's historic buildings, the burial ground and empty pathways... the time comes to encounter the ghosts of our site.

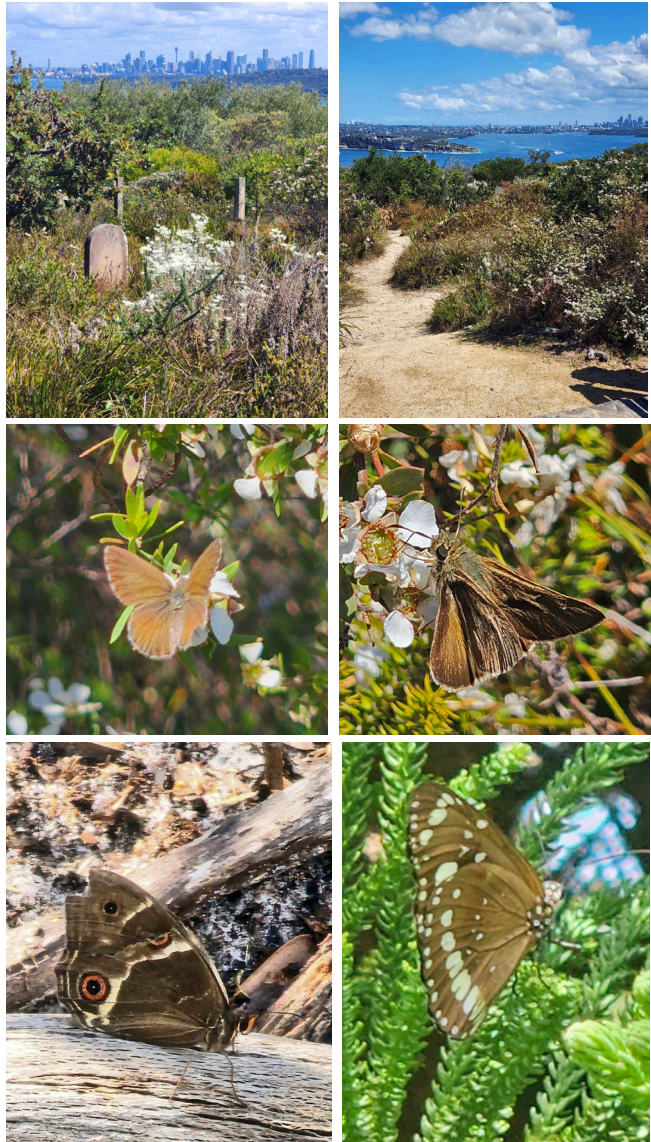
Reputed to be one of Australia's most haunted sites, with stories of ghosts and paranormal occurrences entwined throughout its history. Ghost Tours have operated here since the early 1990s.

Sceptic, believer, family, friends or corporate groups - we have a tour for you! Our tours are available to book online or in person at the Visitor Centre.

Accommodation is comfortable and the precinct has a shuttle bus to take you around.



Photos Jan Forrest. New Years Eve fireworks 2023 from the harbour.



Photos: Larissa Grund. top row, Sydney view from the cemetery; below left Lycaenid butterfly and Dingy Grass Sijipper *Toxia peron*; bottom row Varied Sword-grass Brown *Tisiphone abeone*. and Common Crow *Euploea corinna*.

WEBSITE REVIEW (see also page 9)

Do you use the BCSA website and spend time searching for information you are sure you found last time you looked?

Are you frustrated that information isn't set out in a logical sequence, or maybe, or maybe the main headings do not match your needs, or some content needs to be expanded?

WOULD YOU LIKE TO HELP US REVIEW THE WEBSITE CONTENT AND DESIGN?

If so, join a one-off project team reviewing the present website content and layout with a view to developing relevant information to suit your needs, and making it easier to navigate.

Contact: Jan Forrest OAM, jan_forrest@bigpond.com.

If you don't want to join the project team but have some comments, send them to Jan at the email above or Lionel, web@butterflyconservationsa.net.au.

Have your say! South Australia's new Biodiversity Act

The State Government is in the process of developing a new Biodiversity Act for South Australia as one of its election commitments. Our state does not have a dedicated Act to protect and restore biodiversity; instead provisions exist across multiple laws, which has led to many gaps in protections.

As we know, biodiversity is under threat globally, and South Australia is no exception. We need this new legislation to be bold and strong – to ensure robust, science-based decision making, accountable and transparent governance, respect and empowerment for First Nations, and to establish goals and resources for action.

Take the survey now.

South Australia's new Biodiversity Act | YourSay

yoursay.sa.gov.au

<https://yoursay.sa.gov.au/biodiversity-act>

BCSA WEBSITES AND A FEW KEY FEATURES

Lionel Edwards February 2024

BCSA spreads a message about conservation, particularly for lepidoptera, in various ways. On the internet, our key site <https://butterflyconservationsa.net.au/> mainly focuses on the greater Adelaide region.

We also maintain a more research-focused site, a redevelopment of Roger Grund OAM's data. Roger's data covers the whole of South Australia, and is now referred to as the SA Butterflies site <https://sabutterflies.org.au/home/>.

We have two other websites at different stages of development. One, based on the work of Dr. John Grehan, has a listing, with illustrations, of the entire known taxonomy of the Hepialidae moth family: <https://hepialidsoftheworld.com.au/>.

The other is being developed to help in identification of caterpillars. Based on the work of Dr Peter McQuillan, an initial rollout of this interactive tool will appear as a website this year, with a smartphone application to follow.

BCSA has a social media presence on Facebook <https://www.facebook.com/ButterflyConservationSA/> and Citizen Science platforms.

Our YouTube channel has public talks and special interest videos <https://www.youtube.com/channel/UC3LZ9HPh1-DIH-01YIObkiA/videos>.

All the above sites now managed by BCSA are listed at <https://butterflyconservationsa.net.au/about/bcsa-managed-internet-sites/> as one of the options under the About heading (top right of the BCSA home screen).

Also available is information about current projects involving BCSA, and a newsletter archive.

Elsewhere on the BCSA website home page, near the middle, Read & Observe leads to a growing list of resources. For example, Websites and Galleries focused on Lepidoptera includes a couple of images. We will add more collections here.

The key BCSA website has many embedded links to our other sites. For example, the BCSA website provides an online identification tool for butterflies, and each butterfly page includes a link to more scientific data on SA Butterflies.

On opening the BCSA website's online identification tool, butterflies are listed in order of common name at the bottom. If you filter the list by either attributes or suburb/postcode, and press the relevant GO button, your filter will be applied. If filtering by suburb/postcode you will also see one or more downloadable lists of butterflies and plants that were found prior to European colonisation in the given area.

- If you choose to Read More about a selected butterfly, you will be shown some key facts, a relevant link to SA Butterflies, and (usually) an option to download a fact sheet.
- If you select the relevant page on SA Butterflies, a blue and white icon in the bottom right of the screen offers a more scientific downloadable fact sheet about the given butterfly.

On the home page of SA Butterflies, butterflies are grouped by family and listed in order of scientific name. Select a family and click on a scientific name to learn interesting facts about a butterfly. Some picture galleries at the bottom of the screen have multiple pictures for each life stage. (each life stage (e.g. *Belenois java teutonia*). If you click on a picture for a given life stage you may see more.

If you select a region from the drop down list for SA Regions (a tab at the top of the home page of SA Butterflies, you can learn about butterflies associated with that region. If you click on the "SA Regions" heading itself, an interactive SA map provides choice.

Our websites are a work in progress. How could it be otherwise when classifications of creatures evolve? We are aware of some things that need to be fixed, but feedback is welcome and should be emailed to web@butterflyconservationsa.net.au.

Also, refer to the article on page 8 'website review'.

CURRENCY CREEK OUTDOOR CLASSROOM

John Freebairn, Investigator College, Junior School Environmental Science Coordinator

The Investigator College Currency Creek Eco Centre is a 24 acre property located on the banks of the Currency Creek channel. It is a registered Butterfly Site and we have had a strong connection with Butterfly Conservation SA since 2022.

The site was once the Goolwa Jet Sprint boat racing track and over the past 10 to 15 years it has been revegetated by students and the local community. Some of the facilities at the site include three classroom spaces, storage sheds, a recently upgraded jetty, a poly tunnel growing space and shaded nursery space.

The site is utilized by students from ELC to Year 12 through a range of programs including,

Certificate II in Horticulture and Certificate III in Conservation and Ecosystem Management programs with Year 11s and 12s.

Weekly visits from students in Year 3 as part of the Year 3 Currency Creek Custodian Program

Regular visits from ELC and Junior School students as part of their Biological Sciences program.

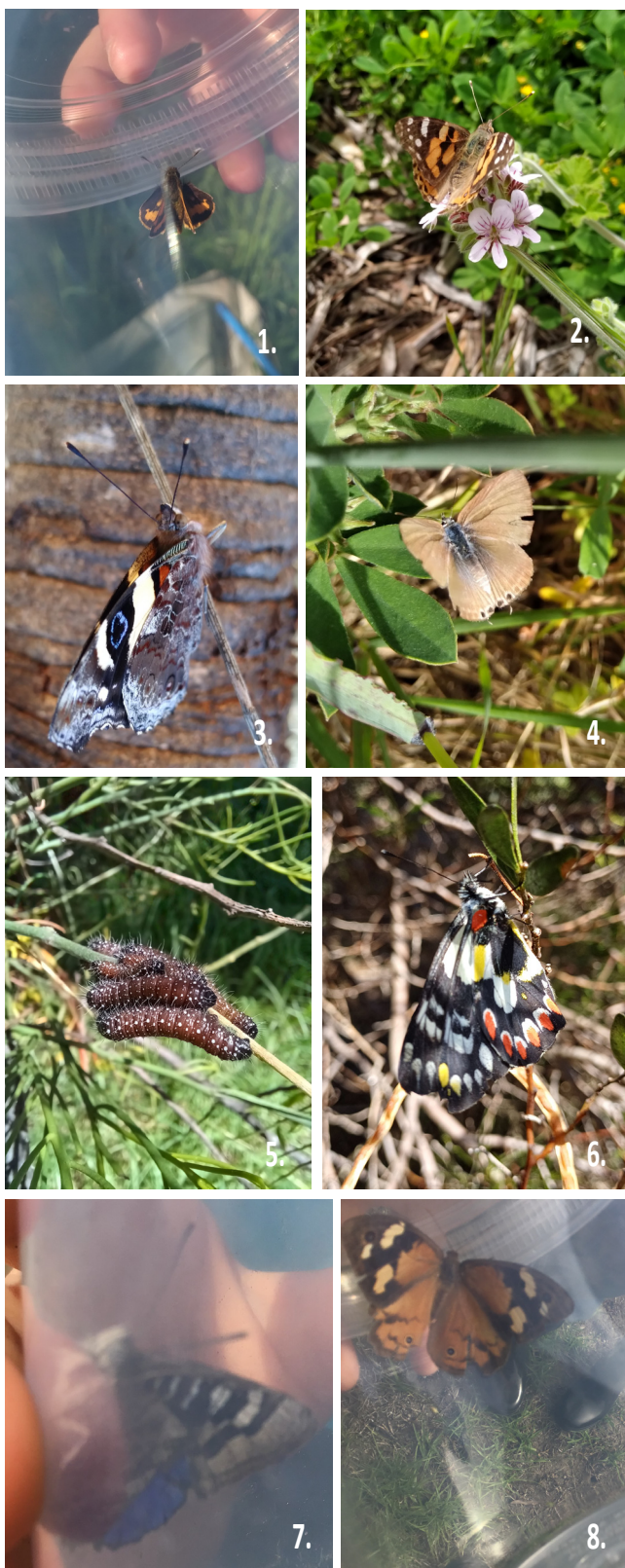
As part of these projects students are involved in propagating local provenance plants that are then sold to the community and also used in revegetation projects at the site. Students are taught about the importance of using plants from the local area in ecosystem reconstruction and the connections between plants and animals. For example, Year 2 and 3 students learn about the connection between each butterfly species and specific hosts plants.

It has been exciting to see the return of so many different butterfly species as more and more host plants are established into the different plant communities created at the site. Students thoroughly enjoy conducting butterfly surveys at the site and identifying the different species. One positive find this year has been the caterpillar larvae of the Wood White Butterfly *Delias aganippe* feeding on clumps of Wire Leaf Mistletoe.

Other species we have recorded at the site include (see images right),

Southern Grass dart *Ocybadistes walkeri* (photo 1).
 Australian Painted lady *Vanessa kershawi* (photo 2).
 Australian Admiral *Vanessa itea* (photo 3).
 Two Spotted Line Blue *Nacaduba biocellata* (photo 4).
 Wood White *Delias aganippe* (photo 5 larvae, 6 adult).
 Satin Azure *Ogyris amaryllis* (photo 7).
 Common Brown *Heteronympha merope* (photo 8).
 Salt Bush Blue *Theclinessthes serpentata*.
 Common Grass Blue *Zizina labrada*.
 Meadow Argus *Junonia villida*.

We would like to thank Gerry Butler, Chairman of Butterfly Conservation SA for his work with us.



THE FRIENDS OF PARKS FORUM IS BACK FOR 2024!

Mark your calendars for August 23 - 25 at the beautiful Belair National Park, co-hosted with the Friends of Belair National Park.

Workshops, guest presenters, and lots of opportunities to catch up with other Friends groups!

Stay tuned for further details.

BCSA PUBLIC TALKS CONVENER

We are still seeking a convener for this position. Jan Forrest OAM has carried out this role for 13 years and would like a break, due to other commitments.

If you would like to take on this role please contact Jan on 0419 990 430 or Acting Chairman Gerry Butler, or Secretary Alex Coombe. See page 2 for their contact details.

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



NEW LIMITED STOCK: 25th ANNIVERSARY HATS: Beige, broad brim, BCSA 25th logo, chin strap. \$20. **CALENDAR \$20** see also order form.

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

"Attracting butterflies to your garden, what to grow and conserve in the Adelaide Region" 2nd EDITION

Published BCSA 2016. Our price \$25 (financial members may purchase a book for \$20) plus postage.

"The Making of a Monarch" by Linda Shmith. Cost \$20 plus postage.

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

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

"Moths of the Adelaide Region" Published BCSA 2016 \$10 Set of four A3 plus postage. Free download available.

Single posters: Published Nick Birks *"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 \$60 includes postage.

PLANT TAGS: See list and form available on website. \$2.00 per tag, includes 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/> and sign up for a membership/book deal. For queries email: info@butterflyconservationsa.net.au.



<https://www.greenadelaide.sa.gov.au/discover/podcast>

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BHUTAN BUTTERFLIES (back page)

Bhutan is a small, landlocked country located in southern Asia between Tibet and India. The topography of the country can be divided into different regions from north to south based on altitude: the Great Himalayas, the Inner Himalayas and the Southern Foothills.



Member Larissa Grund has provided the photographs on the back page as follows:

1. Grand Archduke *Lexias cyanipardus* Yetinmanad National Park, close to Indian border.
2. White Commodore *Parasarpa dudu* Bhutan.
3. Dark Archduke (f) *Lexias dirtea* Yetinmanad National Park, close to Indian border.
4. Great Hornbill *Buceros bicornis*.
5. Bhutan jungle.
6. Common Apollo Blue *Parnassius harwickii* from high altitude Bhutan.
7. Rare rufous-necked Hornbill *Aceros nipalensis* (about 1.3m head to tail).
8. Bhutan village.

Thanks to Mike Moore for the identifications; he says there are around 900 species of Butterflies in Bhutan!

DATES FOR YOUR DIARY

National Science Week 2024 - Herding Caterpillars Festival 6th - 11th August 2024 (to be confirmed however anticipate a 5 day event with a 'Gala Event' on Wednesday 7/8/24 by invitation which members of BCSA could attend.

Nature Festival 2024 - Butterfly Festival event (yet to be developed) during the period 28th September-13th October 2024 (likely 1st October).

