



BUTTERFLY CONSERVATION SA INC.

NEWSLETTER

No. 62: Sept. 2017

EXCURSION TO AN INMAN VALLEY PROPERTY

Jan Forrest OAM

Last year we were invited to visit a special property in Inman Valley. Yvonne the owner, said that she had recently read about how butterfly numbers were decreasing and she wanted to add a positive note in that she has so many on her property that at certain times of the year she feels like Mary Poppins with clouds of butterflies around and has even had them land on her!

Proposed date is **Sunday 22nd October**. The property is located **next door to the Rock View Café**, (formerly called the Glacier Rock Café) on the main **Inman Valley Road about 12km from Victor Harbor**.

We plan to meet at the Rock View Café at 12.30pm for lunch (at own expense) then walk to the property next door at around 2.00pm. Those that do not want to come to lunch can meet us outside the café at 2.00pm. Please wear walking shoes. We would expect to finish around 4.00pm.

If you intend to come please contact convener Jan Forrest 8297 8230 by Friday 14th October to enable confirmation of lunch numbers. If you are NOT coming for lunch please also advise. Transport may be available (but not guaranteed). If you would like transport please contact Jan well before the closing date and she will try to arrange it. Friends and family are welcome. Meal prices range from \$18 - \$35.

The abundance of butterflies will depend on the weather so let's hope it is a bright sunny day.

The property has an interesting history. It used to be a golf course 40 years ago when the present owners purchased it. As water was drawn from the river for the lawns, they considered that unsustainable, so the golf course was closed and the property revegetated. It has lots of grasses as it hasn't been grazed or sprayed for about 40 years. The Inman River forms one boundary over 1km long. There are many stands of red gums both huge and saplings plus other huge gums with white blossom and other flowering gums. Other features include mistletoes and mistletoe birds. The next task is to establish a small bog for the butterflies.

The Inman River Catchment Group has done plantings of many plants indigenous to the area including sheoaks, prickly acacias and other wattles, grevillas and bottlebrushes.

Non-native plants include buddlias, rosemary, echiums and lavender that attract the tiny blue butterflies. There is also a large moth population particularly the ones that leave a shell in the ground (Family Hepialidae).

A bird audit completed some years ago counted 53 different species.

CLOSING DATE: 14th October, 2017. Respond to Jan Forrest, 8297 8230 can leave a message if there is no answer.

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Photos above: Rock View Café (off the web).

BUTTERFLY CONSERVATION SA. INC. Membership enquiries: membership@butterflyconservationsa.net.au or online: www.butterflyconservationsa.net.au/product/become-a-member/ Membership payments (\$10pa - plus \$10 surcharge for posted newsletters): to Treasurer: C/- South Australian Museum, North Terrace, ADELAIDE. 5000. 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.

2016-17 CHAIRMAN'S REPORT

The BCSA has completed another active and fruitful year.

A major achievement this year has been the completion and launch of our website. We now have a real identity in the digital world and this website brings together all of our enterprises and foci under one banner – those being identification, breeding, conservation and education. It also allows us to promote our organization and to sell our wares. The website is not however finished. There is much still to be placed into it, some of that material we already have but other material needs to be prepared. It is a work in progress and we are looking for some enthusiast to drive it, not do the work but oversee and manage the work of others! Board member Gerry Butler has been the major mover of this project and I would like to thank him for the many hours that he has spent (so far) in its construction and development. Gerry and Erin Fagan-Jeffries have also been working on our Facebook presence, highlighting upcoming events and generally promoting us in the world of social media.



New initiatives this year have included our "Identification Day" focusing on SA butterfly groups that was aimed at current members, and, an event for our life members – a museum visit and a focus on our upcoming Moth Book. Both these events were successful ones and we think that we will run with these ideas again in 2017-18 but with wider audiences in mind.

The Moth Book continues and we are confident that it will be published in the 2017-18 financial year. Jan Forrest has flogged herself and Peter McQuillan to move this along. We are hopeful that all the text and images will be collected by Christmas and then the focus can move into the presentation. We think that this book will have the same presentation and format as our Butterfly book but will contain up to 120 moth species. Hopefully it is a Christmas present in 2018! We are going to dip our collective toe into the notion of crowd funding some of the fees needed for this book. We are hopeful that that will be up and running in September so keep a look out for that.

Public Shows and Talks have been a continuing feature of our public face. We again had a presence at Mt. Pleasant Show, the Australian Plant Society Show and Sophies's Patch. Over the past few years we have developed a close relationship with Sophie Thomson and our next public talk is to be given by Sophie but please note it is to be at a different venue. This year, as always, many talks have to be presented to community groups and schools and I would like to thank all the board members for the time and effort that they have put into their public appearances.

We now have somewhere to store some of our books and our public display material. In the past this has been stored around the museum (whom we thank sincerely) and in various board member's homes. A lot seems to have been stored under Jan Forrest's bed! We have negotiated with the Australian Plant Society to utilize some of their storage facility in Goodwood. This will be a tremendous advantage to us because the museum can be difficult to access for those that do not work there and Goodwood allows easier access for us and it is somewhat central to the majority of our functions.

The Board believes the members would like more field days and we are always trying to increase their number. We definitely have a trip planned for October 22nd to the Inmann Valley and are trying to organize a trip to Torrens Island. Our Public Talks programme continues to be a success and we are keen to continue this into 2018 so please keep a lookout for the new programme in January of next year. If you have any suggestions as to speakers or topics please mention them to one of the board members and we can try to make it happen.

I think you will agree, a successful year for us! But whilst the past is bright the future looks somewhat murky. In a nutshell if we cannot increase the size of our board or at least the number of people prepared to step into a co-ordinating role then we will have to cut back on what we do, which would be a pity as this is the time we need to be pushing forward and expanding our public face. The time is fast approaching when the load needs to be shared or there is a real chance that the club may fold or at least go into stasis.

This association has been very fortunate to have such a hard-working, imaginative and dedicated set of members as its Board. 2016-17 has been no different. I say thank you on behalf of the whole association to the board members who have driven this association in such a successful manner in 2017. This year though we do say a particular thank you to two of its members, Lorraine Woodcock who has been on the Board for four years and Linda Shmith for two years, who are leaving the board. In the forthcoming elections please think whether you can donate some of your time. There are only five or six board meetings in the year.

*Mike Moore
1st August, 2017*

2016-17 FINANCIAL STATEMENTS AGM 1 August 2017 Accounts & Membership for 2016-2017 (amended 3 Aug 2017)

Notes from Treasurer John Wilson at the AGM re recorded below:

- BCSA is in a strong financial position with about \$56,000 of net assets, about 50% of which is in the bank and 50% in stock of saleable merchandise
- The net balance has increased by about \$2,000 or 4% from the previous year.
- The big change is in the cash flow: in 2015-2016, we had net cash outflow of about \$17,000 mostly due to the reprint of the butterfly gardening book. In 2016-2017, there was net cash inflow of about \$4,000 largely due to sales of the butterfly book.
- A major expense this year was about \$5,000 on upgrading the BCSA website, as Gerry Butler will detail. This has improved our ability to communicate with the public, and has facilitated sales of merchandise.
- Sponsorship is important to BCSA and much appreciated: the BCSA website development was aided by a grant of \$2, 500 in the previous year from the Norman Wettenhall Foundation. This year we have benefited greatly by \$670 cash support from member Andreas Alexandrou, and the continued printing of hardcopy newsletters by Konica Minolta.
- Where to from here? The biggest impact will be publication of the moth book, in the same format as the butterfly book. This is likely to cost \$40,000 to \$50,000, which will require a significant fund raising effort in addition to our current cash reserves.
- Our membership is a key element in getting BCSA's message to the public. We currently send out newsletters to 300 people (down to 17% by hardcopy), up by 18% from the previous year. Financial membership is 250, up by 19% from the previous year. The pleasing increase in membership is partly due to promotion of the reprinted butterfly book, and partly to upgrade of the website.



BUTTERFLY CONSERVATION SA INC		
STATEMENT OF ASSETS AND LIABILITIES		
FOR THE PERIOD 1st JULY 2016 to 30th JUNE 2017		
1Jul2016		30Jun2017
	ASSETS	
24026.86	Beyond Bank Saver A/C	28783.91
678.95	Debtors and unbanked	53.91 <i>Note 7</i>
29014.79	Merchandise Stock	27563.61 <i>Note 6</i>
53720.60	Total Assets	56401.43
	Less LIABILITIES	
0.00	Total Liabilities	654.48 <i>Note 9</i>
53720.60	NET ASSETS	55746.95
	Represented by	
48011.00	Accumulated Funds beginning	53720.60
-16912.19	Cash Surplus (Loss) for year	3477.53
22621.79	Increase (Reduction) of Merchandise Stock	-1451.18
53720.60	ACCUMULATED FUNDS	55746.95

BUTTERFLY CONSERVATION SA INC		
STATEMENT OF CASH FLOWS		
FOR THE PERIOD 1st JULY 2016 to 30th JUNE 2017		
2015-2016		2016-2017
	MEMBERSHIP & ADMINISTRATION	
2065.00	Subscriptions	2715.00
20.00	Miscellaneous income	429.06
832.99	Interest Income	448.67
429.00	Donations other than grants & sponsorship	67.00
-369.82	Postage and Stationery Expense	-378.33
-330.00	Audit fee	0.00
-526.05	Computer and website expense	-5217.86
-161.50	Miscellaneous expense	-606.46
1959.62	Subtotal	-2542.92
-21139.68	MERCHANDISE CASH FLOW	7378.15
-411.83	PUBLIC MEETINGS & DISPLAYS	-1348.25
2500.00	GRANTS & SPONSORSHIP	669.50 <i>Note 8</i>
-17091.89	NET SURPLUS (LOSS) FOR YEAR	4156.48

BUTTERFLY CONSERVATION SA INC	
NOTES TO ACCOUNTS 30 JUNE 2017	
Note 1	The accounts have been prepared on a cash basis using historical costs except as detailed in Note 3, debtors (Note 7) and creditors (Note 9).
Note 2	Stocks of the second edition of "Attracting Butterflies to Your Garden" are valued at the cost of design and printing
Note 3	Stocks of other saleable merchandise are valued on an estimated average realisation.
Note 4	All costs of design and preparation of advertising for saleable merchandise have been expensed.
Note 5	Postage on sales included in merchandise cash flow
Note 6	Stocks of posters, and Monarch book are estimates.
Note 7	Debtors as at 9 June 2017 include ; Matilda's Stirling 3 books (\$53.91 inv 20170424). Total 3 wholesale books \$53.91 sales value.
Note 8	Andreas Alexandrou sponsored newsletter distribution and 11 June 2017 Museum meeting by \$669.50. Konica Minolta printed hard copy newsletters.
Note 9	\$621.98 owing to SA Museum for function on 11 June. \$32.50 owing for Life Member certificate frames.

**BUTTERFLY CONSERVATION SA INC
TRADING ACCOUNT
FOR THE PERIOD 1st JULY 2016 to 30th JUNE 2017**

2015-2016		2016-2017
	TRADING INCOME	
2610.85	Butterfly book Ed. 2 - sales	9054.57
2653.46	Other books - sales	100.00
574.00	Posters - sales	130.00
370.00	Plant tags - sales	97.00
327.00	Other - sales	1400.06
128.00	Postage on sales	141.00
<u>6663.31</u>	Total Trading Income	<u>10922.63</u>
	COST OF SALES	
26666.79	Butterfly book Ed. 2 - purchases	0.00
140.00	Other books - purchases	90.00
658.90	Book overheads	982.01
56.25	Posters - purchases & overheads	82.50
68.10	Plant tags - purchases and overheads	856.91
33.25	Other - purchases & overheads	790.15
<u>27623.29</u>	Total Purchases & Overheads	<u>2801.57</u>
6393	Plus Opening Stock	29014.78556
<u>6393</u>		<u>29014.78556</u>
29014.79	Less Closing Stock	27563.61
<u>29014.79</u>		<u>27563.61</u>
5001.50	Net Cost of Sales	4252.75
<u>1661.81</u>	GROSS PROFIT FROM TRADING	<u>6669.88</u>

**BUTTERFLY CONSERVATION SA INC
STATEMENT OF INCOME AND EXPENDITURE BY COST CENTRES
FOR THE PERIOD 1st JULY 2016 to 30th JUNE 2017**

Cost Centre	Membership, interest, donations & administration	Computer and Website	Merchandise	Public meetings and displays	Grants and Sponsorship	Miscellaneous	Total
Receipts	2715.00		9882.27	506.30		429.06	13532.63
Interest	448.67						448.67
Donations	67.00				791.00		858.00
Misc expenses	-833.49	-5217.86	-2504.12	-1854.55	-121.50	-151.30	-10682.82
Net proceeds	2397.18	-5217.86	7378.15	-1348.25	669.50	277.76	4156.48

**BUTTERFLY CONSERVATION SA INC
STATEMENT OF INCOME AND EXPENDITURE BY COST CENTRES
FOR THE PERIOD 1st JULY 2015 to 30th JUNE 2016**

Cost Centre	Membership, interest, donations & administration	Merchandise	Public meetings and displays	Grants and Sponsorship	Miscellaneous	Total
Receipts	2203.00	5474.36	572.70		402.00	8652.06
Interest	832.99					832.99
Donations	2929.00			2500.00		2929.00
Misc expenses	-1367.37	-27483.29	-984.53		-140.00	-29975.19
Net proceeds	4597.62	-22008.93	-411.83	2500.00	262.00	-17561.14

Membership at 11 July 2017			
Expiry year	Total Number	Email	Mail
Pre2015	155	113	42
2015	31	30	1
2016	55	51	4
2017	143	120	23
2018	34	29	5
2019	19	18	1
2020	5	4	1
2021	1	1	0
2022	0	0	0
Complimentary	22	13	9
Paid Life	19	12	7
Hon Life	3	3	0
Total Financial	246	200	46
Total newsletters	301	251	50

25 July 2016		11 July 2017	
Expiry year	Total Number	Expiry year	Total Number
Pre2015	144	Pre2015	155
2015	50	2015	31
2016	95	2016	55
2017	42	2017	143
2018	21	2018	34
2019	6	2019	19
2020	1	2020	5
2021	1	2021	1
Complimentary	22	Complimentary	22
Paid Life	16	Paid Life	19
Hon Life	3	Hon Life	3
Total Financial	206	Total Financial	246
Total newsletters	256	Total newsletters	301

**ONCE AGAIN WE ARE ASKING FOR YOUR HELP
WITH OUR BCSA DISPLAY STALLS**

**AUSTRALIAN PLANTS SOCIETY
FESTIVAL OF EUCALYPTS & PLANT SALE**
7th - 8th October 2017 in the Stirling Angus Hall,
Wayville Showgrounds.
Sat.: 10.00am-5.00pm Sun.: 10.00am-4.00pm

At the time of writing no-one from the committee is available to set up our BCSA display. If you can assist or are available to be rostered to look after the stall during the weekend please contact info@butterflyconservation.net.au.

SOPHIE'S PATCH
Spring 2017 Open Garden at Hamlyn Cottage
18th - 20th November 2017
10 am – 4:30 pm
394 Springs Rd, Mt Barker Springs

Please contact Gill Hollamby Ph: 85246873 or via email to: membership@butterflyconservationsa.net.au if you can assist on our BCSA stall.

YEPERENYE SCULPTURE and EMILY GAP ROCK PAINTINGS, ALICE SPRINGS NT

Jan Forrest OAM

During my recent trip to Alice Springs I visited the Araluen Cultural Precinct. Of particular interest was a metal sculpture of what was unmistakably the caterpillar of a hawk moth (Family Sphingidae). On further investigation I discovered that this three-metre high sculpture, the Yeperenye Sculpture as it is called, celebrates the Yeperenye (pronounced Ayepe-arenye) caterpillar, the most important of the three caterpillars that are the major creative ancestors of Alice Springs.

The sculpture is a collaborative public artwork. It was developed by metal artist Dan Murphy and students from the Centre for Appropriate Technology's ATWork program.

On entering the Yeperenye Sculpture you find information and artworks on the caterpillar's habitat, life cycle and cultural significance. The caterpillar is decorated with panels created at workshops with local artists and school children.

This project was created by the support of the Grand Circle Foundation. Each year the foundation brings American visitors to Alice Springs. Money raised from their travels contribute to community projects all over the world.



Next day, on a drive to the East MacDonnell Ranges we also visited the Yeperenye Emily and Jessie Gaps Nature Parks. At Emily Gap you can see a large rock painting depicting the Yeperenye or caterpillar dreaming.



These two small gaps in the Heavitree Range are important spiritual sites to the Eastern Arrernte Aboriginal people. Many places in the surrounding landscape are associated with the same caterpillar Dreamtime story,



and form a 'Dreaming Trail' or 'Song Line' through the region.

Emily Gap is a significant sacred

site where the caterpillar beings of Mparntwe (Alice Springs) originated. These caterpillars formed Emily Gap and many of the topographic features around Alice Springs, then radiated out to the edge of the Simpson Desert.

The first European sighting of Emily and Jessie Gap was in 1871. It was thought that the names Emily and Jessie were chosen after the daughters of Sir Charles Todd, but this was found to be untrue. The basis on which the names are derived is unknown.

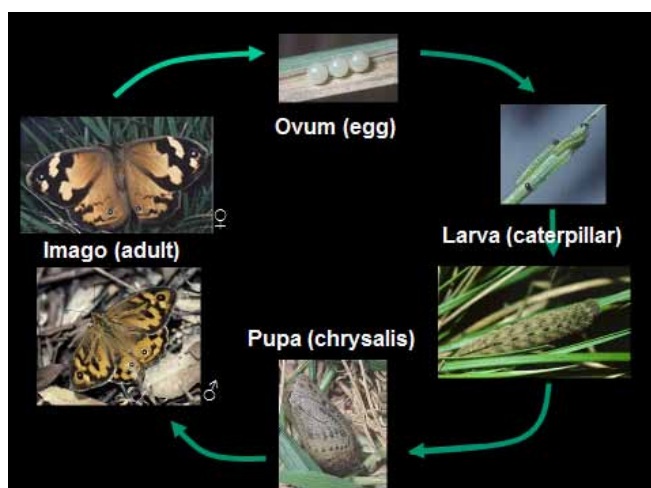
GARDENING FOR BUTTERFLIES.

Gil Hollamby

Biodiversity of plants and animals, including invertebrates, is critical to a sustainable ecosystem as the complex relationship between organisms ensures that no single species becomes dominant. This biodiversity has diminished with man's influence and the balance has been upset resulting in boom and bust cycles in populations.

Butterfly Conservation South Australia seeks to make gardeners and others aware of this situation using butterflies as a type group because they are highly visible compared to the cryptic behaviours of most invertebrates.

Butterflies undergo an amazing metamorphosis during their life cycle. Picture 1 shows the life cycle of the Common Brown Butterfly (*Heteronympha merope*). Starting life as an egg laid by its mother on the specie's preferred food plant, a young caterpillar (larva) develops and hatches, eats its eggshell as a rich food but also destroying evidence of its presence and then proceeds to gorge on the plant.



The life cycle of the Common Brown Butterfly (*Heteronympha merope*)

Insects do not have a skeleton like us and higher animals; instead the muscles are attached to the inside of their skin. The skin is an exoskeleton and if one thinks about it, it needs to be pliable so the muscles can move but not elastic else the muscles would not work properly. So the young caterpillar literally gorges itself to bursting point.

The original skin splits down the middle of its back and the caterpillar emerges through the split now with a larger skin which had formed and was concentrated inside the old skin. The caterpillar now continues eating and getting larger until this skin is also too small and it moults again. It will moult, shed its skin for a new one, five or six times as it grows. At the last moult it forms into a pupa (chrysalis) rather than a bigger caterpillar. The chrysalis skin shows the features of an adult butterfly but all the appendages are fused together and the wings appear small, its only movement possible being to maybe wriggle its abdomen.

After a time, the pupal skin splits and a fully formed adult butterfly emerges, its crumpled wings are pumped up to full size with blood and the blood is then withdrawn and the wings dry out and become functional. The chewing mouth of the caterpillar is no more and the



Southern Grass Dart (*Ocybadistes walker hypochlorus*) family Hesperidae.

adult mouthparts are arranged as a long narrow tube, a proboscis, with which the butterfly can probe flowers and suck nectar and, when not in use, coil up under its head.

Such a life cycle provides adaptive advantages to butterflies. The egg and chrysalis stages are immobile and not eating, so are stages by which the species can avoid starving when food is unavailable. It can also go into a torpid state without penalty when the climate is unsuitable. Thus they can exploit foods and conditions unfavourable to other creatures. Also the feeding mobile stages of the caterpillar and adult butterfly do not compete for the same food source and adults can be around procreating and migrating at times when caterpillar food is unavailable.

The effect of this life cycle on gardeners is that they need to consider and grow different plants with two objectives in mind.

Firstly nectar producing plants for the adult butterflies and secondly plants essential as green feed for the caterpillars. All nectar producing flowers will be exploited by the adults although native endemic plants are preferred, particularly plants with small tubular flowers such as daisies. Growing such plants will attract butterflies.

Secondly, to keep butterflies around and breeding, it is necessary to grow plants which will host the caterpillars. Caterpillar food needs are much more specific and some will only eat a single species of plant, others are less specific but require a group of related plants, whereas others may exploit a greater range of food plants. The gardener needs to learn about and select caterpillar food plants with more care.

Butterflies of course need more than just a supply of food for survival. In a garden thought needs to be given to providing:-

- warm areas such as a sunny rock or pathway where the butterfly can warm itself in early morning
- a water source from which to drink such as a muddy patch near a pond or tap
- protection from predators
- a pesticide free environment
- areas protected from strong winds which they can patrol and meet their better halves.

Remember that caterpillars eat green plant material so sometimes your plants will look chewed and a bit tatty. Many of our vegetables such as the cabbage family and peas and beans are food for some butterflies. Share these plants with them. Plant ornamental kale as sacrificial plants to attract Cabbage White Butterflies to lay their eggs on them rather than on your broccoli. Caterpillars are themselves food for birds, frogs and lizards. Also many are preyed upon by spiders and preyed upon or parasitised by wasps and other insects.

This is all part of the natural order of checks and balances mentioned earlier. Plants with large flowers attract birds, so more plants with small flowers will be better for butterflies. Initially the butterflies you hope to come into your space may be quite rare but if they have been seen in the district in the past chances are that they will come back. Be patient.

Moths and butterflies belong to the insect order LEPIDOPTERA meaning scaly wings. There are many more moth species than butterfly species, most adults fly at night but caterpillars will be found on plants 24/7. Butterflies themselves are subdivided into a number of families and examples of these which are found in SA are in the photographs.

Space for this article does not permit a description of all the butterflies which occur in South Australia or their food requirements. Butterfly Conservation SA has published an excellent book with descriptions of the different stages of some 40 species that have been seen in the greater Adelaide area. Food plants are also listed to enable you to plan your garden in the book and in the BCSA website: www.butterflyconservationsa.net.au

The book 'Attracting Butterflies to your Garden' by L.Hunt, R. Grund, D. Keane and J. Forrest can be ordered from this web site.

[Gil's love of nature was started by his Grade 3 teacher who actually remained as his class teacher for most of his primary schooling. It was then that he started collecting natural history specimens especially insects and sea shells. At the University of Adelaide he studied Agricultural Science because that course had Entomology as a subject and involved many trips into the country side. But at university he became interested in genetics and majored in Genetics, Botany and Entomology. After graduating in 1961 he became a wheat breeder at Roseworthy Agricultural College. His was a successful career and several improved wheat varieties were released. He is especially proud of varieties Spear and Machete. Insects went into the background of his activities until his retirement in 2002 when he can now spend more time with his hobbies including insect collecting and butterfly conservation, orienteering, gardening, snorkelling and wood turning.]

Images: Gil Hollamby and from BCSA files.

top: Dainty Swallowtail (*Papilio anactus*) family Papilionidae
 Meadow Argus (*Junonia villida calybe*) family Nymphalidae
 Australian Admiral (*Vanessa itea*) Nymphalidae
 Australian Painted Ladies (*Vanessa kershawi*) Nymphalidae
 Wanderer (*Danaus plexippus plexippus*) Nymphalidae
 Double spotted Line-blue (*Nacaduba biocellata*) Lycaenidae



BUTTERFLY SITE AT FORESTVILLE

From time to time you come upon something that is just a bit special and our newest Butterfly Site at Forestville is just that.

I chose to deliver the Butterfly Site Sign in person as there had been a delay in supply and the site was close to where I live. I found this new garden to be amazing. Our book *'Attracting butterflies to your garden'* was used to choose the plants suitable to the area and the garden has lots of special features such as metal sculptures, several ponds, a soak for rainwater and even a bee hotel.

I am looking forward to visiting in a year or so to see the plants grow and see how the garden develops.

This is what owners Roz Daniell and Margaret Davies have said about their garden and how it came to be.

Jan Forrest OAM

When Unley Council put speed humps on the nearby collector road with the result that hundreds of cars a day were diverted past our Forestville house, we decided that our best option was to build a front wall to protect ourselves from the noise and disturbance. Unfortunately, this meant we had to cut down all the shrubs in the front yard because they were in the way of the construction.

The wall was built during the extremely wet weather last spring and by the time it was completed we had a mess of compressed clay and builders' rubbish for a front yard. We rotary hoed gypsum and compost through the yard to improve the soil structure.

Then we decided that as we were starting from scratch, we were going to take the opportunity to choose all our landscaping plants to attract local butterflies and honeyeaters to our garden.

We used the Butterfly Conservation Society's "Attracting Butterflies to your Garden" book to make a list of plants attractive to Adelaide plains butterflies. We bought plants from State Flora at Belair, focusing on those that are locally indigenous to Adelaide as much as possible. We bought Scurf-peas (*Cullen australasicum*), *Senna artemisioides*, *Acacia acinacea*, Fan-flowers (*Scaevola*), *Goodenia*, Yaccas (*Xanthorrhoea*), Everlasting daisies (*Chrysocephalum* and *Helichrysum*), *Hardenbergia violacea* and a number of different *Eremophilas*, *Grevilleas* and *Callistemons*. We ordered the plants from the on-line catalogue and State Flora delivered the seedlings to our door.

Then we ordered seeds from Trees for Life to grow understory plants. Over summer we grew 300 seedlings of Elegant Spear Grass (*Austrostipa*), saltbushes (*Atriplex semibaccata* and *Einadia nutans*), Bush-peas (*Eutaxia microphylla*), Scarlet Runner (*Kennedia prostrata*) and Bindweeds (*Convolvulus remotus*).

Over the last six months the planting has been a lot of work but it was wonderful to see the butterflies move into the garden almost as soon as we started. By late autumn we had dozens of the smaller blue butterflies in the garden plus an occasional sighting of a Brushfoot. We were excited to find a grevillea moth caterpillar on one of our young grevilleas (this beautiful caterpillar was almost as big as the plant!) The locally indigenous plants have all thrived since being planted. They have required no care from us. We have found the "Attracting Butterflies to your Garden" book to be a wonderful resource. We have followed its suggestions and set up a mud bog in a water bowl in the garden to allow butterflies to drink. We have also set out a number of rock piles in the garden in sunny spots and have noticed the butterflies particularly attracted to these over winter on sunny days.

Although only a small space, our new front garden is particularly lovely to wander and sit in – there is always lots of things in flower and honeyeaters and butterflies to watch.

We would encourage everyone to consider locally indigenous plants for their garden. Although still very young, our garden is already a delight and very attractive to local butterflies. Visitors are always interested in it and amazed by it and we get a lot of questions about our Butterfly Site sign.

Roz Daniell and Margaret Davies
Forestville



www.butterflygardening.net.au
Site signs can be ordered from our on-line shop see page 9.





Photos: Jan Forrest. All taken at the Forrestville butterfly site. Images include some of the sculptures, butterfly food and host plants, bee hotel, small soak, solar lighting and storm water drainage as well as water points for butterflies and birds.

Butterfly Conservation South Australia Inc.

presents

a PUBLIC TALKS PROGRAM 2017

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

At the Clarence Park Community Centre
72-74 East Avenue, Black Forest.

Bus route W91/W90: stop 10.

Noarlunga Train service: Clarence Park Station.

Glenelg Tram: Forestville stop 4, 9min walk south.

Entry by donation (minimum of \$2).

Bookings not required

Please bring supper to share, tea/coffee will be supplied.

Meetings should conclude by 8.30pm.

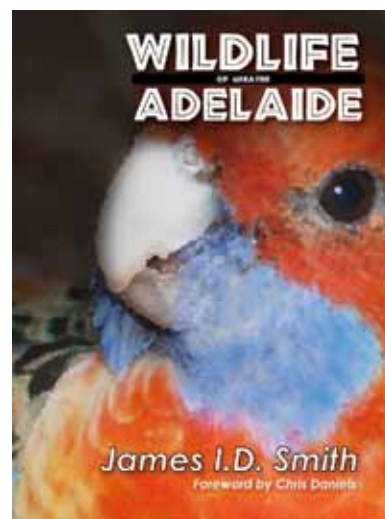
At the start of each meeting a ten minute
presentation on a 'Butterfly of the Month'
will be given by a BCSA committee member.

Photo L.F.Hunt. Day flying Mistletoe Moth *Comocrus behri*

3rd October: 'Managing remnants of the Black Forest' Learn how Adelaide City Council's Biodiversity Team and team member Liam Crook, is protecting and enhancing a small remnant portion of what once was the Black Forest, a Grey Box (*Eucalyptus microcarpa*), SA Blue Gum (*Eucalyptus leucoxylon*) and grassy woodland, in Victoria Park/Pakapakanthi.

7th November: 'Wildlife of Greater Adelaide' James Smith from Faunature is the author of this comprehensive book and we look forward to hearing some interesting stories from James on how he managed to obtain images from some of our more elusive animals.

In the foreword, Prof. Chris Daniels said "as a result (of this book) we can now identify our own animals, no matter how odd or obscure, and hence recognise the remarkable, unique, diverse and spectacular fauna that surrounds us."



MEMBERS FORUM TO PROMOTE THE MOTH BOOK

Gerry Butler

The Butterfly Conservation SA facilitated a Members Forum on Sunday 11 June 2017 in the Royal Society Room of the South Australian Museum to focus a cohort of members on the work being undertaken by the association on a new book on the Moths of the Adelaide region.

Invitees included Honorary Life Members of BCSA, Paid Life Members of BCSA, Butterfly Site sign holders and other interested members. The attendees were informed by Chairman Mike Moore of the future plans and aspirations of the association and the ongoing partnership with the SA Museum demonstrated by the speech given by Peter Hudson (SA Museum Collections Manager) who led the participants on a tour of the Butterfly and Moth Collection. For many of the members this was the first time they had seen such an extensive and very valuable collection stored in a state of the art compactus.

The participants were able to continue the enthusiastic discussion over a sumptuous dinner provided with the generous sponsorship by BCSA member Andreas Alexandrou.

The second half of the Forum focussed on the progress of the Moth Book. Jan Forrest gave a sneak preview of the Moth Book, which uses the same layout as 'Attracting Butterflies to Your Garden' book, as the BCSA considers that these will be companion books and sold as a set. Jan's captivating slideshow about the book was a great segue into the presentation by lead author of the Moth book by lead author Dr Peter McQuillan formerly of Adelaide and currently with the University of Tasmania Department of Geography-Geology in Hobart.

The pre-publication work on the book has been partially funded by the Adelaide and Mount Lofty Ranges Natural Resources Management Board and the Board was represented at the Forum by Board Member Rachael Siddall.

By all accounts the Forum was a great success and the Association intends to run more Forums to inform and interact with members. If you have an idea for a Forum please raise this with any of the Committee or contact Gerry Butler on publications@butterflyconservationsa.net.au



Photos: Gerry Butler. Left: Chairman Mike Moore, Secretary Jan Forrest, Sponsor Andreas Alexandrou from Michaelkris Real Estate Publications officer Gerry Butler and Guest Speaker and primary author of our proposed moth book Peter McQuillan. Top: Members at the SA Museum. Anne Hicks with Rachael and Zula Siddall in the entomology collection room. Chairman Mike Moore presents SA Museum Entomology Collection Manager Peter Hudson with a BCSA 'thank you' bottle of wine.



OPEN GARDEN AT HARROWGATE

Committee member Gil Hollamby has accepted an invitation to mount a BCSA display and give a talk each day in the shearing shed at a newly developed large garden, Highcroft Garden, at Harrowgate on Saturday 11th and Sunday 12th November.

He would appreciate some help. Phone: 85246873 or via email to: gil.hollamby@bigpond.com if you can spend an hour or so to assist.

This is part of the SA Open Gardens program (see previous newsletter article May 1016 page 9).

FIELD GUIDE TO THE BUTTERFLIES OF THE ACT

A member asked if we have seen the *Field Guide to the Butterflies of the Australian Capital Territory* (by Suzi Bond, published by the National Parks Association of the ACT in 2016).

It includes photos of typical postures, wing upper- and undersides, life cycle stages and larval food plants. Last month, our member was fortunate enough to meet Suzi and hear about her book.



Information on-line regarding this book is:

Code:NAFGButterflies

9780980285482

Suzi Bond

2016

Paperback

229 pages

14.5cm x 21cm

A beautiful book with detailed notes and photographs of the wide range of butterflies found across the Australian Capital Territory.

Dr Suzi Bond is a Visiting Fellow at the ANU where she researches the butterflies found in the ACT. Her research is driven by a fascination for our local butterfly fauna and a desire to better understand their populations and ecology.

With contributions from Steve Holliday and John Stein this book is a must for anyone interested in the butterflies of the ACT.

Price: **\$30.00**

Availability: Available now

BUTTERFLY FARM, BATCHELOR NT

Jan Forrest OAM

On my recent trip to the NT we came upon a sign 'Butterfly Farm'. I was intrigued and just had to check it out. The first surprise was to meet long term BCSA member Patrick Honan on leave from the Melbourne Zoo.

It was a real thrill to have Patrick show us around the butterfly enclosure and to see so many exotic species flourishing in this tropical environment.

So, if you are heading north to Darwin via Litchfield Park then stop off at Batchelor for lunch or a mango smoothie and be treated to a tour of this very special place.



You can also stay overnight in comfortable cabins or enjoy a homestay and delicious tropical feed in the restaurant.

The whole family can enjoy beautiful butterflies, pet garden, kids playground and the pool.

www.butterflyfarm.net.au
Contact Chris: (08) 8976 0110
PO Box 223, Batchelor O845
Northern Territory.



URRBRAE WETLANDS OPEN DAY 24th September 1.30 - 4.00pm Cross Road, URRBRAE

WHAT'S FOR SALE? - WE NOW HAVE AN ON-LINE SHOP

BOOKS *"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). Postage \$7.

"The Making of a Monarch" has now been reprinted. Cost \$20 plus postage \$7.00.

DVD *"Butterfly Garden"* produced by Tracy Baron and Carolyn Herbert - \$20 each (BCSA financial members price \$15)
postage and packaging \$7 One book plus one DVD postage \$15.

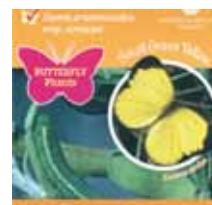
POSTERS *"Spiders and their allies of the Adelaide Region"* Published by BCSA 2014. \$10 a set of two, plus postage.

Single posters: *"Bats of SE South Australia"* and *"The Bilby - Endangered Species"* posters are available for \$5 each, plus postage.
Poster postage is \$12 for up to 6 posters. Posters are free to schools, but incur postage.

SITE SIGNS: Application form to register a butterfly site is available on the butterfly gardening website. Cost including postage \$50.





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

If you would like to order any of our merchandise, obtain an order form for a site sign, plant tags or schools poster set, please email: info@butterflyconservationsa.net.au or write to the Secretary C/- South Australian Museum, North Terrace, ADELAIDE. 5000 or check out the **ON-LINE STORE** at www.butterflyconservationsa.net.au.



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-  **FREE** pre-sale renovation tips to enhance the value of your home!
-  **25 years** in renovations and selling. BLD181288
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Email: andreas@michaelkris.com



Proud sponsor of BCSA

WELCOME TO NEW MEMBERS:

Rosemary Steen
Pushpa Osborne
Kerryn McEwan
Jodie Russian
Cheryl Foggo
Michelle Kaye
Kinda Snyder
Paul Koch
J.B.(Joan) Dost
Ashley Osborne
Timothy Ritchie
Paul Holman
Linda Boehm
Colin Smith
Candice Morse
Kris Papagiannis
Helen Kassman-Reid
Andrew Farran
Michael Georgiadis
Manoj Badu
Pauline Cockrill
Catherine O'Dea
Vanessa Milich
Ian Fitzgerald
Jody Moate



SETTING BOARDS AVAILABLE

Member Alana Dare has some different sized setting boards that are no longer used and would be very happy to give them to someone who may have some use for them. If you are interested please contact Alana on 0432 545 844.

KONICA MINOLTA

Thanks to Chris Lane and Konica Minolta for their generosity in printing the BCSA newsletter.

Konica Minolta is a Landcare Australia National Partner

THANKS

Thanks go to outgoing committee members Linda Shmith and Lorraine Woodcock for their service on the committee, in particular their help in looking after displays.



Butterfly-Conservation-South-Australia



ButterflyConSA



Butterfly_Conser-
vation_SA

BUTTERFLY CONSERVATION SA Inc.

C/- South Australian Museum, North Terrace, ADELAIDE, 5000

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Secretary: **vacant** - secretary@butterflyconservationsa.net.au

Newsletter editor: Jan Forrest OAM - info@butterflygardening.net.au

Treasurer: John Wilson - treasurer@butterflyconservationsa.net.au

Membership Officer: Gil Hollamby - membership@butterflyconservation.net.au

Publications Officer: Gerry Butler - publications@butterflyconservationsa.net.au

Committee: Andrew Lines, David Keane, Bernadette Johnson, Andrew Walters, Erin Fagan-Jeffries (social media) and Bryan Haywood (endangered species advocate).

Consultants: Roger Grund and 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 Mike Moore.

PUBLIC TALKS PROGRAM 2016: first Tuesday March - November, Clarence Park Community Centre 6.15pm for a 6.30pm start to 8.30pm.

Next talk: 3rd October: 'Managing remnants of the Black Forest' Adelaide City Council's Biodiversity Team and team member Liam Crook.

WEB SITES

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

South Australian Butterflies (R Grund private site) - <http://www.sabutterflies.org.au> (has been off-line however it will be back on-line shortly).

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

A note about EMAIL

The committee acknowledges that some members prefer to receive their newsletter by mail (and pay extra for this).

If you are one of these members receiving a hard copy but do have an email address please consider providing it to the membership officer Gil Hollamby to ensure you receive a reminder for the upcoming Public Talk and the occasional opportunistically planned excursion or other event.

