



## BUTTERFLY CONSERVATION SA INC.

# NEWSLETTER

No. 49: September, 2013

### DONNYSA SKIPPER (*Hesperilla donnyisa delos*)

Andrew Lines

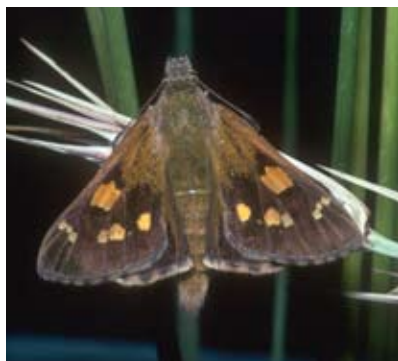
#### An overview - Southern Mt Lofty Ranges and Fleurieu Peninsula

In the Mt Lofty Ranges this butterfly would be the most common of the larger skippers to be found, but unfortunately it's not as common as it sounds. This butterfly's habitat covers an area of some 60kms long and in places is 15kms wide, stretching from Mt Lofty to Willunga Hill down to the Hills behind Victor Harbor on the west and to an area around Mt Magnificent and down to the shores of Lake Alexandrina at Goolwa on the eastern side. This may sound like a large area but much of it has been cleared of native vegetation for agriculture.

In the northern end of its range this stout insect lives in the foothills around Mt Lofty usually above 300 mts. The terrain here is steep and on the western side the ridges and gullies form the headwaters of the creeks and rivers that run down to and across the Adelaide Plains (e.g. Sturt, Brownhill, First and Second Creek) since early settlement much of this area has been unsuitable for agriculture, with some timber cutting and boot logging the main industry in the area. Now much of these areas have become Conservation Parks (Cleland, Belair, and Sir Mark Oliphant) and the populations of skippers have remained relatively undisturbed.

On the Eastern side of the Mount there are two more Conservation Parks (Mt George, Eunita) these have been less fortunate but the food plant still grows in the deeper gullies and has been replanted along parts of the creek. It also survives in a number of parks along some roadsides and walking trails in the area, which helps to connect these places together. One of these walking trails (Heysen Trail) weaves its way through much of the heart of this insect's territory. Between Mylor and Meadows much of the vegetation has been removed for pasture and from Meadows to around Willunga Hill the timber industry has taken up land, within this forest are small patches of remnant native forest and the Kyeema Conservation Park are all joined together by the Heysen Trail and Blackfellows Creek which seem to provide the skipper with just enough space to hang on. A little further west around Yundi and Mt Compass are a series of natural springs, much of this area is damp for many months of the year and the food plant survives in roadside drains and along the fence lines and occasionally clumps can be seen in parks.

In the past this plant was more widespread in the area. Just out of Mt Compass on the Main Road you can find the remains of old swamps and bogs, over the years



Donnyisa Skipper upper view (*Hesperilla donnyisa delos*) Photo: LFHunt



Foodplant Red-fruit Cutting Grass (*Gahnia sieberiana*)  
right flower heads of Cutting Grass (*Gahnia trifida*).  
Photos: RGrund



### IN THIS ISSUE

- Donnyisa Skipper
- Excursion
- 2012-2013 financials
- Membership report
- 2013-14 committee
- Chairman Annual Report
- Loss of NPWS emblem
- Our Library Books
- Mailed Newsletters
- Tennyson Dunes Open Day
- Publications - NRM and GWLAP
- 2014 public talks program
- Bird watching / monitoring
- Trivia time
- What's for sale
- Tiliqua Lizard Crawl
- New members
- Diary Dates and notes

### EXCURSION

147 Burns Road  
INGLEWOOD  
(David and Beth Keane's  
bush block)

on

**21st September, 2013  
at 10.30am**

for a walk through this  
delightful scrubby area  
followed by a shared lunch  
at around 12.30  
tea and coffee supplied  
bring walking shoes, hat  
and chair (optional)  
shared lunch and own  
drinks

RSVP to David Keane  
ph: 8389 2352  
or dkeane@iweb.net.au

The committee and  
members thank David  
Keane for his years as  
Chairman of BCSA

Continued on page 4

BUTTERFLY CONSERVATION SA. INC. for membership enquiries and annual membership payments (\$10):  
Treasurer: 5 Oakleigh Road, MARION. 5043 S.AUST.

## 2012 - 2013 FINANCIAL STATEMENTS

## BCSA EVERYDAY ACCOUNT

Between 1/07/2012 and 30/06/2013 BCSA Moneysaver Account

## BCSA MONEYSAVER ACCOUNT

Between 1/07/2012 and 30/06/2013

Income Categories		Expense Categories	
Badges	2.00	CPS	
Total Badges	2.00	Bank Fee	12.50
		Total CPS	12.50
Membership and book deal	300.00	Items	
Membership fees	1190.00	Monarch Books	108.00
		Total Items	108.00
Opening Balance BCSA	845.52	Miscellaneous	
Postage	45.45	Computer	14.98
Public Talk	338.20	Computer bag	10.00
Life Membership fees	680.00	Electric Speakers	1645.00
Total BCSA	3399.17	Media projector globe	210.00
		Postage underpaid	8.10
Books		Power-board	10.00
Monarch	20.00	Cable	24.95
Butterfly Gardening	1562.22	Total Miscellaneous	1923.03
Total Books	1582.22		
		Mutual Associations	
Canteen Bandana box	133.00	Friends of Parks	10.00
Total Canteen	133.00	Total Mutual Associations	10.00
		Operations	
CPS Interest	0.44	Book Audit	100.00
		Bulletin Printing	568.40
DVD Attracting butterflies	34.00	Butterfly Cards	100.00
Total DVD	34.00	Copying	5.19
		Display costs	5.00
Grants		Domain name	34.95
Public Address System	1992.00	Postage	94.39
Moth posters	900.00	Postage books	24.90
Total Grants	2892.00	Postage newsletters	355.69
		Public Talks Programme	390.53
Other Income		Receipt book	3.28
Donation	40.00	SA Moths Poster	548.61
Total Other Income	40.00	Signs Manufacture	385.00
		Stationery	100.26
Posters		Anti Virus software	99.90
SA Moths Series 1	480.80	Total Operations	2816.10
Total Posters	480.80		
		Stall cost	88.50
Signs		Surveys	
Butterfly Site	245.00	Xenica	500.00
Total Signs	245.00	Total Surveys	500.00
Total Income Categories	8808.63	Total Expense Categories	5458.13
		Transfers	
		BCSA Moneysaver 2012-2013	-1968.91
		Total Transfers	-1968.91
		Grand Total	1381.59

Income Categories	
Opening Balance	32369.83
Total BCSA	32369.83
CPS Interest	1126.08
Total Income Categories	33495.91
Expense Categories	
Operations	
SA Moths Poster	
5299.3	
Total Operations	5299.3
Total Expense Categories	5299.3
Transfers	
BCSA Everyday 2012-2013	1968.91
Total Transfers	1968.91
Grand Total	30165.52

MEMBERSHIP REPORT  
AGM 6 Aug, 2013

(updated from meeting) - Jan Forrest

278 members listed on the database  
97 are financial  
84 paid up to 30th June 2014  
6 paid up to 30th June 2015  
7 paid up to 30th June 2016  
plus  
22 complementary memberships  
8 Life Members  
4 Honorary life members

142 members are not financial at this time  
72 are paid up to 30th June 2013  
72 are paid up to 30th June 2012

Some of these members are long standing and we hope you have just forgotten, however if there is no response to reminder letters to be enclosed/mailed with this newsletter, then with regret, these members will be deleted from the database.

## YOUR 2013-14 COMMITTEE

## Chairman and Newsletter editor:

Jan Forrest

## Secretary:

vacant

## Treasurer :

Mike Moore

## Committee:

Andrew Lines (Minutes)  
John Wilson (Membership)  
Gerry Butler (Publication Projects)  
Jill Davy  
David Keane  
Gil Hollamby  
Lorraine Woodcock  
Bryan Haywood

## Consultants:

Roger Grund  
Peter McQuillan

## Public Officer:

Beth Keane

Treasurer's Report for Everyday Account  
Financial Year 2012 – 2013

Income (includes Opening Balance)	8808.63
Opening Balance	845.52
Subtotal	7963.11
Expenses	5458.13
Subtotal	2504.98
Transfers	1968.91
Total ((Income – Expenses subtotal) - Transfers)	536.07
Balance (Total + Opening Balance)	1381.59
2012/13 Closing Balance	1381.59
Account Balance as per CPS	
Account Closing Balance	1381.59

Treasurer's Report for Moneysavers  
Account  
Financial Year 2012 – 2013

Opening Balance	32369.83
Interest	1126.08
Transfers	1968.91
Subtotal	35464.82
Expenses	5299.30
Closing Balance	30165.52
Account Balance as per CPS	
Closing Balance	30165.52

**IF YOU HAVE OUTSTANDING MEMBERSHIP FEES AND WISH TO CONTINUE TO RECEIVE YOUR NEWSLETTER - DON'T FORGET TO PAY BEFORE THE END OF SEPTEMBER, 2013.**

**An account is included with this mail-out. If you do not receive an account, you are 'up-to-date'.**

## BCSA Chairman's Report: AGM 6th August 2013 – David Keane

Another year goes by with great work by the committee members. We continue to attract new members as we broaden education, publications and our informative newsletter. My personal thanks go to the committee for all their work and support during the year, and other volunteers.

Over the past year our activities have included:

- The final printing and distribution of the two moth posters, we need to thank Gerry Butler leading the way on this and ensuring that it is a success, thanks Gerry.
- The running of the 'Public Talks Program' (for the 3rd year) has attracted nearly a full house every time. This is due to the achievements of the committee. Thank you Jan, Mike and Gerry.
- The finalization of most of our 'Butterfly Fact Sheets'
- Butterfly survey of the endangered 'silver xenica' in the south east, organised by Bryan Haywood, (BCSA committee member) Conservation Planner for Forestry SA, was attended by many volunteers.
- The newsletter continues to inform on many varied butterfly related topics, thanks to Jan.



Coming up in the following 12 months:

- Due to work and family commitments, and the inability to focus on the task, I am standing down at this meeting. So we are seeking a new chairperson.
- We are intending to produce a new book on our local moths. The book will focus on the role of moths in our environment and hopefully increase appreciation and understanding of their important role in maintaining habitat and sustaining wildlife.
- The talks program will bring in experts to inform us on all aspects of the natural world.

Thanks to the committee and members for their support and contributions to another successful year! Thanks again to my partner, Beth for helping me through the years. We look forward to a new year with exciting things to come. Special thanks to Peter McQuillan (our moth expert) for his valuable contributions on the moth poster and the beginnings of our new moth book; and thanks to Jan Forrest, Gerry Butler and Mike Moore for all their background work in keeping BCSA running smoothly.

David Keane  
Chairman  
Butterfly Conservation SA Inc.



## RECENT LOSS OF THE NATIONAL PARKS EMBLEM

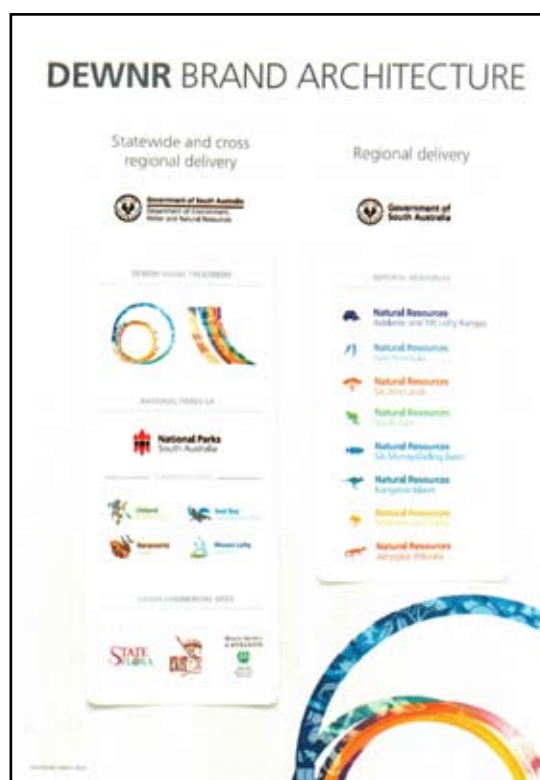
Allan Holmes the CEO of the Department of Environment, Water and Natural Resources recently announced a new logo and 're-badging' of the Department.

This has meant the **loss of the** much loved and widely recognised **National Parks Sturt Pea logo**.

There is a push from supporters of the previous logo to ask the Minister for Environment Ian Hunter to reinstate the sturt pea logo for the following reasons.

- wrongful and unnecessary deletion of the National Parks emblem from staff uniforms and departmental media
- misspending of public funds in creating new logos
- members of the public no longer being able to identify Departmental staff and protected land compromised safety of staff enforcing the National Parks Act
- lack of consultation with the public and staff in decision making regarding this issue
- loss of our State's National Parks heritage built over 40 years
- effects this decision will have on marketing and tourism

If you have an interest in pursuing this matter please write to the Minister Ian Hunter, expressing your concerns.





**An overview of the *Donnyssa skipper* continued from page 1.**

these have been drained and would have been one of the main strongholds of its habitat, however, the food plant still holds on. Further south the food plant becomes intermittent until the conservation parks at Spring Mount and Hindmarsh Falls, but the butterfly is not present in the last two areas south of Mt Observation and Tooparang the presence of the food plant declines rapidly.

In an area around Goolwa, Currency Creek and the Finniss River Inlet the butterfly appears again, much debate has been put forward, as to whether this is the same species or a separate species because of differences in size and colour, change of food plant or more importantly here the insect has two distinct emergence times the first Sept – Oct (some 6 weeks earlier than their northern cousins who only have one emergence period in late spring) and the second in the autumn. Has this insect adapted in some way to the change in altitude and temperature difference by changing its emergence times to better suit new environmental conditions at sea level or maybe it has something to do with the growth cycle of the new food plants, is it the same species with a cosmopolitan diet having a sea change, only with further study and observation will we find out, the range of this butterfly extends up the Lower Murray Valley, across the Lower Lakes to the Coorong and on to the Victorian border.

The flood plant *Gahnia sieberiana* is a tough and hardy sedge that can grow up to 1.8 mts in height when mature, it mainly grows in the gullies and creeks at higher altitudes in the hills and seems to have adapted well to re establishing itself in drains and covets in some areas.

The Sword sedge (cutting grass) is a member of the *Gahnia* family, looking something like a pampas grass, but a darker olive green blade and a large red fruit (seed head) that turns a dirty black colour once mature instead of the fluffy white plumes of the Pampas however the blades of the Sword sedge and the Pampas have very similar sharp edges, it can be found growing alone or in large clumps in moist areas, other food plants have been recorded for this species in the Mt Lofty Ranges however, I have not found, or seen any evidence to suggest that they are used.

**CONSERVATION****(1) FIRE**

Fire is a threat to all communities plant, animal or human and can leave the landscape charred and blackened, over the last few decades there has been a number of large and catastrophic fires in the northern end of its range in the hills, gully's and Conservation Parks around Mt Lofty, luckily for some wildlife, some of these moist gullies contain small areas of refuge where the vegetation burns slower. Although the food plant may survive it is doubtful the caterpillar would survive the heat, one exceptional example of this is Wilson's Bog on the western slopes of Mt Lofty, high up in Waterfall Gully amongst the interpretive signs describing the importance of the biodiversity of the area. One of the signs talks of the importance the bog serves as a refuge for the larger animals during time of fire, naturally the bog is surrounded by Sword Sedge and various other moisture loving plants, and it is from here the survivors venture out the next spring to recolonise the surrounding hills and gully's and over the next few years manage to re establish themselves. Another such place would have been the area around Mt

Compass, in the past it had a large number of swamp and bogs and in a time of fire it could also serve as a base for recolonisation. All the sites visited in the North showed evidence of fire at some time in the past.

The Conservation Parks in the Southern end have been burnt, with the exception of the road side vegetation, which has remained relatively untouched. It should be noted that the number of insects was greater in the burnt areas than in the unburnt areas along the road sides.

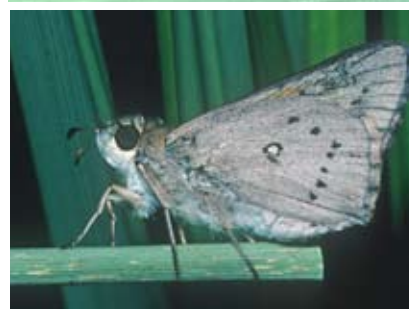
Other evidence of fire on the Skipper was one afternoon when a female was found flying with another species of Skipper in a freshly burnt area of woodland forest, where the food plant could – but does not exist. The butterfly was some 6kms from the nearest food plant source and was probably searching for a new site to lay within the burnt area before being disturbed by a colony of *Phigalia* Skippers (*Trapezites phigalia*) living on the ridge, although males remain in the breeding areas, I suspect some fertile females travel some distance over ridges and down creek lines to find new areas to lay their eggs.

**(2) BLACKBERRIES**

The introduction of the blackberry as a backyard plant by the early colonists as a source of food has had an enormous effect on the environment, with its ability to grow well with little or no help in its new environment, it quickly spread up the creeks and gullies and across the hills, firmly establishing itself. Described by some as the perfect weed, often growing well above head height in a large sprawling mass, cutting out the light, choking out other vegetation, and becoming semi dominant in some areas.

This plant does provide a food and shelter source for many small birds that eat the berries and live within its spiny tangled mass. Due to the absence of the natural vegetation that this plant has replaced, the *Donnyssa*

*Continued next page*



Larva, pupa, underside and shelter of the *Donnyssa* skipper. Photos: LFHunt

**An overview of the *Donnysa skipper* continued from page 4.**

Skipper like many other species of butterfly and insect use this plants flower as a nectar source and its food plant often grows in the same place.

Despite the fact that a large amount of the wildlife has adapted to this change in the environment, careful consideration needs to be taken in replacing the nectar source well before the Blackberries are removed. It is also interesting to note that surprisingly there are 5 native species of Blackberry growing in Australia.

This area of the Mt Lofty Ranges is ideal habitat for this insect. For well over a hundred years it has managed to remain in the Hills whilst much of the area has given way to human habitation.

This Butterfly is reasonably rare over its range, but in places it can be common locally, this is in the areas where the food plant can still be found, for this reason this Butterfly could be used as a good example of a future indicator species because with further planting, not only could the insect become more common throughout its range, but also help to secure the future of two other species of Skipper whose larvae also feed on the Sword Sedge and whose numbers are in serious threat/danger, with removal of some of the non indigenous plants, along with replanting of some Native species over time, could not only improve water quality in the creeks (there is evidence that shows non indigenous leaves in creeks and rivers not only remove oxygen from the water but also decompose differently on the creek bed thus changing life cycle within the creek) but also that of the general environment.

In some areas further south, the presence of various ferns Maiden Hair, Coral and Fishbone Fern (*Diecondra*, *Leptospermum* and *Bursia*) show just how diverse these areas can be. Despite land clearance, drought and fire, its ability to survive quite real and large threats the Skipper continues to hold on, and with a bit of help will continue to do well in the future and could become common in many areas in the Adelaide Hills again. If you live in the Hills around Mt Lofty or in one of the towns in the area, plant some Red Sword Sedge (*Gahnia sieberiana*) down by the creek or somewhere in your garden and you could help make the difference.

**KEEP ON BUTTERFLY GARDENING****REFERENCES**

- (1) Butterflies of South Australia by Robert H Fisher A.U.A, F.R.E.S Government Printer South Australia 17th April, 1978.
- (2) Yurrebilla Trail – A Hiker's Guide, Government of South Australia Department for Environment and Heritage.
- (3) A Field Guide to Weeds in Australia, Charles Lamp and Frank Collet Inkarta Press. Melbourne - reprinted 1983.



Donnysa skipper habitat  
Photo: ALines

**OUR LIBRARY BOOKS**

Over the years we have acquired a number of special books and magazines. They are presently stored at a committee member's home however we are keen to have some feedback from members on what you think we should do with them!

Would anyone be interested in borrowing a book should we make this option available? If we did set up a borrowing system then it would need to be administered. Is there anyone willing to do this and how do you suggest we go about it?

**Books**

*The Complete Field Guide To The Butterflies Of Australia* M. F. Braby  
*Butterflies of Australia ( 2nd Edition)* Common and Waterhouse  
*Butterflies Of Australia (3rd Edition)* Common and Waterhouse  
*Japanese Book Of Butterfly Life Styles and Swallowtails*  
*British Butterflies and Moths - A Checklist*  
*Butterflies of South Australia* R. H. Fisher 1978  
*Love Among The Butterflies* M. Fontaine  
*Butterflies of the Indian Region* M.A. Wynter-Blyth  
*Butterflies Of Australia ( 2 Volume set)* M. F. Braby  
*Butterfly Conservation* T. New  
*Butterflies Of The Australasian Region* B. D'Abrera  
*Australian Butterflies* C. McCubbin  
*Butterflies And Moths* J. Feltwell  
*A Flutter Of Butterflies* Braby and Olsen  
*Collecting Australian Butterflies* Deger and Eden  
*The Living Tropical Greenhouse* J. and M. Tampion

**Magazines and Booklets**

*Australian Geographic* – No. 24 Oct – Dec 1991  
*Butterfly And Invertebrate Club Inc. Newsletter* -2005  
*Lake Frome Conservation Park Management Plan (Lower-South East)*  
*Adelaide And Mount Lofty Ranges Natural Resources Management Region Estuaries* - Information Package Australian Landcare Magazine - Dec. 2007  
*Environment Highlights* – 15 Stories of 2007  
*Coastal Gardens - a planting guide.* Adelaide and Mt.Lofty NRM Board 2012  
*Adelaide Gardens - a planting guide.* Adelaide and Mt.Lofty NRM Board 2013  
*Urban Creeks - a property owner's guide to managing healthy urban creeks.* Adelaide and Mt.Lofty NRM Board 2013

**Papers**

*A Revised Synonymic List Of The Nearctic Melitaeiriae With Taxonomic Notes (Nymphalidae)* D. Passos  
*A revised Synonymic Catalogue With Taxonomic Notes On Some Nearctic Lycaenidae* D. Passos

**Other**

*Butterfly Calendar* 2003

Please send your thoughts and comments to the Secretary via email: [info@butterflygardening.net.au](mailto:info@butterflygardening.net.au)

**MAILED NEWSLETTERS**

Members at the Annual General Meeting discussed a proposal to charge an **additional fee** to members who choose to have their newsletter mailed out. This fee would cover the costs associated with these mail-outs.

It was suggested that students and concession holders should have a discounted price as it is acknowledged that some people who do not have a computer or an email facility may be in this category.

The committee are presently discussing the fee structure. If you presently have your newsletter posted to you and do not want to pay an additional fee please provide the membership secretary with your email address via Email: [info@butterflygardening.net.au](mailto:info@butterflygardening.net.au)



# TENNYSON DUNES OPEN DAY

Sunday 15th September 2013 11am - 2pm

Take a walk through Adelaide's most significant pre-European Barrier Coastal Dunes with Special Guests *Professor Chris Daniels, Professor Victor Gostin and Tennyson Dunes Volunteers.*

Learn about the geological importance of Tennyson Dunes, the unique plants, animals and birdlife and what we are doing to conserve them.

*Walks leave from the Tennyson Dunes car park,  
Military Road, Tennyson, bus stop 32A.*



## WATCH OUT FOR THE SIGNS

Experts will be there to answer any questions you may have on the dunes, their Heritage, plants and the Aboriginal connection.  
Kiwanis will be organising the sausage sizzle.

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



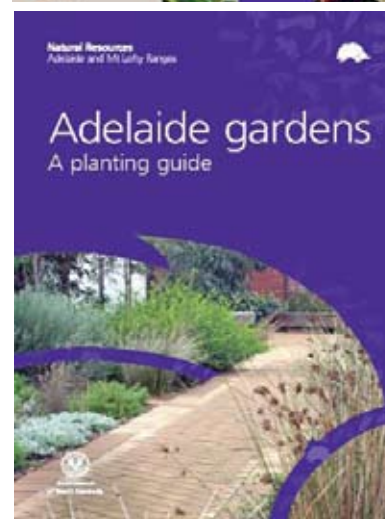
[www.facebook.com/TennysonDunesGroup](https://www.facebook.com/TennysonDunesGroup)

Featured flower: *Leucopogon parviflorus* (Coastal Bearded-heath)

## ADELAIDE MT.LOFTY NRM BOARD PUBLICATIONS

<http://www.amlnrm.sa.gov.au/>

The website above contains a wealth of information including many fact sheets on revegetation, weeds, creek and land management. Check it out.



## Goolwa to Wellington Local Action Planning Group Publications

<http://www.gwlap.org.au/publications.php>

The Goolwa to Wellington Local Action Planning Group website <http://www.gwlap.org.au/publications.php> has many publications relevant to conservation and habitat restoration, check out the website noted above.

### Biodiversity guidelines

Guidelines to protect Blue and Pink Gum woodlands 2005  
Guidelines to protect E. porosa Grassy woodlands 2005  
Habitat restoration for the Orange Bellied Parrot 2004  
Lakeshore plant ID field guide  
Lower Lakes plant guide  
Mistletoe clearance guidelines  
Mistletoe removal demonstration on Pink Gums  
Fleurieu Peninsula Swamps Fact Sheets  
A Guide to Healthy Swamps  
Managing Swamp Weeds  
Mount Lofty Ranges Southern Emu-Wren  
The Value of Fleurieu Swamps

### Revegetation guidelines

Bull Creek revegetation guidelines  
Corridors and buffers establishment guidelines  
Establishing reed beds around the Lower Lakes

### Habitat restoration guidelines

Langhorne Creek area revegetation guidelines  
Lower Lakes revegetation guidelines  
Murray Darling Basin revegetation kit  
Watercourse restoration guidelines  
Windbreaks and shelterbelts establishment guidelines

### Weed and pest management guidelines

Aleppo Pine removal and revegetation guidelines  
Control of Coastal Wattle - *Acacia cyclops*  
Control of Golden Wreath Wattle - *Acacia saligna*  
Controlling Spiny Rush around the Lower Lakes

Other information includes **Species lists** and **Agricultural production and sustainable farming.**

# Butterfly Conservation South Australia Inc.

presents

## a PUBLIC TALKS PROGRAM

### 2013

www.butterflygardening.net.au

**WHEN:**

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

**VENUE:**

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

**HOW TO GET THERE:**

Bus route W91/W90: stop 10.

Noarlunga Train service: Clarence Park Station.

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

**COST:**

Entry by donation (minimum of \$2).

**BRING:**

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

**FINISH TIME:**

Meetings should conclude by 8.30pm.

**PROGRAM:**

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 Robert H Fisher: Satin Azure *Ogyris amaryllis*

**PROGRAM OF SPEAKERS****3rd Sept: "Using stick-nest rat middens to study climate change in the Flinders Ranges"**

presented by Honorary Researcher at the SAMuseum Graham Medlin, this will be of interest to all fascinated by the climate change debate.

**1st Oct: "Saline groundwater dependant ecosystems"**

BCSA member Peri Coleman is an environmental consultant. She will provide a fascinating insight into coastal sabkhas and dolines found on the Eyre Peninsula and some of the unusual plants and animals that occur in them.

**5th Nov: "Moths and their value to the environment"**

Dr. Peter McQuillan from the University of Tasmania has studied moths all his life. His talk will provide an overview of these rarely understood insects (and their caterpillars), with particular emphasis on their evolution and biodiversity niche.

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



### Introduction to Bird Watching and Bird Monitoring

John Gitsham

Learn how to ID birds and how volunteers can participate in community monitoring. Includes a field trip.

**Where:** Community Natural Resources Centre, Strathalbyn  
**When:** Saturday, 7 September 2013, 9:00am - 3:00pm

**Where:** Natural Resources Centre, Murray Bridge  
**When:** Saturday, 12 October 2013, 9:00am - 3:00pm

Please supply your own lunch and transport for the field trip. Bring along a drink bottle, binoculars, hat, comfortable walking shoes and warm clothes.

Spaces are limited, RSVP today!

This training is available free of charge to volunteers and LAP Officers. For more information or to RSVP please contact Danielle Packer on phone (08) 8580 1830 or email [danielle.packer@sa.gov.au](mailto:danielle.packer@sa.gov.au).

**TRIVIA TIME**

D. Keane

1. What butterfly is associated with Lucia, the little policeman?
2. What word for 'planet' is another name for the monarch?
3. What kind of moths are vine, coprosma and convolvulus?
4. Are mistletoes in South Australia native or introduced?
5. What Madame is associated with Cio-Cio San?
6. What family of butterflies is the Captain of the SS Minnow?
7. What native butterfly feeds on milkweed or cotton-bush?
8. What type of insect is a lemon migrant?
9. What colour is the 'small grass' butterfly that feeds on senna?
10. What part of a moth is the costa, apex, termen and tornus?

1. small copper
2. wanderer
3. hawks
4. native
5. butterfly
6. skipper (Ionus Grumby)
7. lesser wanderer
8. butterfly
9. yellow
10. wings

Answers:

**FOR SALE:** 2x genuine Akubra hats, near new.

Male: 'Stockman' Fawn 56cm

Female: 'Down Under' Fawn 53cm

If interested - contact Jan Forrest 8297 8230



**BOOKS** *"Attracting butterflies to your garden, what to grow and conserve in the Adelaide Region"* Published by BCSA 2007

- Our price \$25 (members may purchase one book for \$20). Postage \$5.

*"the Making of a Monarch"* Published Linda Shmith 2013 - BCSA members price \$20 plus postage \$5..

**DVD** *"Butterfly Garden"* produced by Tracy Baron and Carolyn Herbert - BCSA members price \$15, postage and packaging \$5. One book plus one DVD postage \$10.

**POSTERS** *"Common Moths of the Adelaide Region"* Published by BCSA 2012 - set of two \$10 plus postage \$10. (available FREE to schools - all they need pay is postage costs, contact Secretary for an order form).

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

**POLO-SHIRTS** with Butterfly Conservation logo. Prices between \$35 and \$40. Includes postage. A wide range of colours are available.

If you would like to order any of our merchandise or would like an order form for a site sign, polo-shirt or schools poster set, please email: [info@butterflygardening.net.au](mailto:info@butterflygardening.net.au) or write to the Secretary C/- SAMuseum..



### Nature Foundation SA's TILQUA LIZARD CRAWL 7th September, 2013 (voting day)

Come and crawl amongst the lizards and be a researcher for the day. With only approximately 5,000 Pygmy Blue-tounge Lizards remaining, and found only in the Burra region, Flinders University has been conducting research into the species on Nature Foundation SA's Tiliqua Nature Reserve. Come along and learn more about these fascinating lizards and help the research team locate, view and record data on the day. Email: [naturefoundationsa@nfsa.org.au](mailto:naturefoundationsa@nfsa.org.au)

### BUTTERFLY CONSERVATION SA Inc.

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

Email: [info@butterflygardening.net.au](mailto:info@butterflygardening.net.au)

Chairman and Newsletter editor: Jan Forrest OAM, ph H (08) 8297 8230.

email <[janforrest@hotmail.com](mailto:janforrest@hotmail.com)> or <[jan\\_forrest@bigpond.com](mailto:jan_forrest@bigpond.com)>

Secretary:

Treasurer : Mike Moore, 5 Oakleigh Road, MARION. 5043 S.AUST.

Committee: Andrew Lines (Minutes), John Wilson (Membership); Gerry Butler (Publications Project Manager), Jill Davy, David Keane, Gil Hollamby, Lorraine Woodcock and Bryan Harwood.

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 members home. All members are welcome to attend. If you would like to attend please contact Chairman, Jan Forrest.

**EXCURSION** - to 147 Burns Road Inglewood (David and Beth Keanes place) on 21st September, 2013 at 10.30 am.

**PUBLIC TALKS PROGRAM 2013:** first Tuesday March - Nov., Clarence Park Community Centre 6.15pm for a 6.30pm start to 8.30pm.

Next talk: **3rd Sept: "Using stick-nest rat middens to study climate change in the Flinders Ranges"** presented by Honorary Researcher at the SAMuseum Graham Medlin, this will be of interest to all fascinated by the climate change debate.

**1st Oct: "Saline groundwater dependant ecosystems"** BCSA member Peri Coleman is an environmental consultant. She will provide a fascinating insight into coastal sabkhas and dolines found on the Eyre Peninsula and some of the unusual plants and animals that occur in them.

### WEB SITES

**"Butterfly Gardening"** - [www.butterflygardening.net.au](http://www.butterflygardening.net.au)

'Butterfly Conservation SA Inc.' <http://www.chariot.net.au/~bcsa/index.htm>

'South Australian Butterflies' (Roger Grund private site)

- <http://www.sabutterflies.org.au>

'Butterfly Watch' and 'Butterfly Challenge' - presently unavailable

**Teacher Resources** (Jackie Miers) - [http://www.teachers.ash.org.au/jmresources/butadelaide/Butterflies\\_of\\_Adelaide.html](http://www.teachers.ash.org.au/jmresources/butadelaide/Butterflies_of_Adelaide.html)

### WELCOME TO NEW MEMBERS:

Sue Milne  
Nathalie Bruce  
Barbara Thompson  
Littlehampton Pre-School  
Jeany Winter  
Sue Bradstreet

### LIFE MEMBERS

Janet Subagio  
Peri Coleman  
Lionel Edwards  
Beverley Lane

### 2014 PUBLIC TALKS PROGRAM

The committee are presently planning the program of speakers for the 2014 Public Talks Program. If you know of a good speaker please contact Jan Forrest

