

# BARUNG LANDCARE NEWS



October - November 2001

WORKING FOR OUR FUTURE

## ArtisTree

A BARUNG WEED TREE PROJECT

Excitement is growing as the Barung office pigeonhole starts to fill with proposals for ArtisTree. Woodworkers and artists of Maleny are sure to come up with ingenious and imaginative proposals. The deadline for return of Expressions of Interest forms has been extended but woodworkers in particular are reminded that, if there is a shortage, timber will be allocated according to the date we receive these forms.

Look across the local landscape in spring and you can't avoid noticing the luminous lime green of the Camphor Laurels. The prevalence of light green along the creek lines and in the paddocks is a striking indication of the proliferation of this environmental weed.

For those who haven't yet heard of the project, two large Camphor Laurels have been located (thanks to Ashley Sewell) and cut from a local property (thanks to Gary Bochow, and to Steven and Tanya Wheeler). The community, and particularly artists and artisans, are being asked to submit expressions of interest for utilizing the timber and bi-products of the trees. Artworks and products made from these trees will be displayed in a highly publicized exhibition to be held in conjunction with Barung's annual *From Chainsaw to Fine Furniture* Expo from 4 - 6th May 2002. A total estimate of the dollar value of the tree will then be made from the combined products.

Artists, sculptors, woodworkers, furniture makers, jewellery makers, and instrument makers are being asked to submit expressions of interest for the construction of artworks and artifacts made using timber supplied from the two trees. Writers, poets, musicians, artists, teachers and community artworkers are also being asked to submit expressions of interest using 'Camphor Laurel' as a source of inspiration. Well known local artist Penny Smith is coordinating the ArtisTree project for Barung. Timber from the trees will be milled, dried and ready for distribution in late November. All artworks must be completed by the end of March 2002 for catalogue photography. Every part of the trees will be used - even leftovers are being mulched to support rainforest revegetation on site.

It is hoped that after the Expo, selected pieces will become part of a smaller arts and environmental educational display and documentary to tour regional South East Queensland.

If you wish to be part of this challenge or just want more information, contact Mim at Barung on 5494 3151 or Penny on 0500 502 375.

*Ashley Sewell and Gary Bochow  
survey the logs after felling  
the ArtisTree camphors*

## WHAT A PARTNERSHIP!

BARUNG LANDCARE AND  
LAKE BAROON CATCHMENT CARE GROUP  
WIN FIRST PRIZE FOR THEIR VIDEO  
"A SNAPSHOT OF THE LAKE BAROON CATCHMENT"

A great partnership between Barung and Lake Baroon Catchment Care Group has produced a three minute educational video entitled *A Snapshot of the Lake Baroon Catchment*.

The video recently took out First Prize in the Community Category of the Waterwatch Queensland sponsored competition "Race Around the Catchment".

The video is now nominated as a finalist in the Waterwatch Australia 'Race around the Catchment' finals.

The Director General of Natural Resources and Mines, Mr Terry Hogan, will present the prizes and certificates to recipients on October 17th at DNR&M headquarters, Indooroopilly.

The video can be viewed at the Barung and Lake Baroon offices or at the Maleny launch to be announced soon.



## in this issue

		page
ArtisTree - a Barung Weed Project	<i>Penny Smith</i>	1
What a Partnership!	<i>Mim Coulstock</i>	1
New members	<i>Barry Liddell</i>	2
From the President	<i>Lin Fairlie</i>	2
Welcome to new Committee Members		3
Treasurer's Report to AGM	<i>Neil MacLeod</i>	4
Thank you to...	<i>Angie Todd</i>	4
Coordination/Education News	<i>Mim Coulstock</i>	5
S.E.E.D.S. go up the C.R.E.E.C!	<i>Karen Shaw</i>	5
Nursery Notes	<i>Russell Botterell</i>	6
Plant Profile	<i>Spencer Shaw</i>	6
Butterflies of the Range	<i>Bob Miller</i>	7
Local Wild & Edible	<i>Bernard Murawski</i>	7
Reveg in Progress - Direct Seeding	<i>Alan Wynn</i>	8
Green Corps	<i>The Team</i>	9
Corridors of Green	<i>Marc Russell</i>	10
Farm Forestry Award	<i>Mim Coulstock</i>	10
Tree Talk	<i>Tony Wootton</i>	11
Farmcare	<i>John Muir</i>	11
LBCCG - Catchment capers	<i>Mandy Botterell</i>	12
Our Water	<i>Kym Stanton</i>	13
Volunteer Profile	<i>Jeanette Nobes</i>	14
Letters to the Editor		14
Weedbusters' News	<i>Linda Ivezić</i>	15
Oh what a tangled web we weave	<i>Spencer Shaw</i>	16

## WELCOME TO NEW MEMBERS

Wayne Reid	Ron Everingham
Ron & Lee Gibbons	Christine Johnston
Ruth Zerner & Gunnar Jonsson	Sue Dekker
John Romer	O & L Ballard
Hodgens Partners	Peter & Julie Feeney
Petrus Heyligers	Amy Covington
John & Jan Hegarty	Adam Summers
Dennis Marsh	Keir Reid
Colin Brewer	Luke Lossberg
Jenny Sappey	Scott Turnbull
R & V Pilarski	Damien Svenson
Ian & Diana Colpoys	Hayley Harrison
B & D Hall	John & Jan Weeks
P & M A Marsh	Tim Okeeffe
D Armstrong & M Rimmer	Claire Booth & Peter Tissot
S Bentley	Sandra Vasey
Tom Bergin	Ruth Fielder
Jennifer Howley	Bruce Wilson
Suzu Gneist	Derek Perkins
Frank Andrew	Jacinta Foale

Mary River Catchment Coordinating Committee  
Caloundra State High School

## THANK YOU FOR YOUR LANDCARE SUPPORT

When you think about  
what landcare can do for you  
.... also think of  
what YOU can do for landcare.



## FROM THE PRESIDENT

*Lin Fairlie*

### ADDRESS TO BARUNG ANNUAL GENERAL MEETING, 22ND SEPTEMBER 2001

Welcome to you all, friends of Barung. Thank you for joining us for Barung's 12th Annual General Meeting. Thank you to our Councillor, Pauline Clayton, for taking over the formal part of the proceedings.

During the past year Barung has, among many other things:

- \* hosted two Green Corps teams and a Green Reserve team - one of the first in Australia

- \* increased its profits from the nursery and *From Chainsaw to Fine Furniture Expo*

- \* increased consultations with state government as it tries to produce a Landcare Support Strategy to be jointly funded by the State and Federal governments

- \* increased partnerships with the Caloundra City Council, Lake Baroon Catchment Care Group, Gympie Landcare, and the Maleny State Primary and High Schools

- \* increased paid staff time.

But we have also:

- \* experienced a decrease in external funding through NHT

- \* been made aware of the acute need for a vehicle after the NHT Reveg Project vehicle was returned in February and

- \* dare I say it - with the exception of the Expo weekend, we have seen reduced levels of volunteering from Barung members. Please keep in mind that although there are paid staff it does not follow that we need fewer volunteers! Help with application writing, staffing stalls and displays at events, help in the nursery etc. are all still required. In fact, we need our volunteers even more as we have more to do to contribute to wage costs etc.

Landcare has developed from the bottom up. It depends on the actions and involvement of its members. It is your input which is important, so thank you for coming today.

The coming years could be difficult as future actions by state and federal government may see top-down decisions imposed upon Landcare groups which have become dependant on government funding. Barung must continue to work towards becoming financially independent - we don't want to follow our namesake, the furry little creature, the Barung, and become extinct too. Increased profits from the nursery and the Expo will keep the Resource Centre staffed for the next 12 months.

Speaking of the Resource Centre, we are possibly joined today by thousands of tiny creatures - hopefully dead - but one never can be sure. Termites have been found and treated in this building.

The need for more room for staff and volunteers is urgent. But there now is a dilemma. Do we just extend or do we completely rebuild to cater for our needs? Changes must be made to meet Workplace Health & Safety requirements.

The perception of Barung in the general community concerns me. Many people seem to think that Barung is a government funded organisation. This could partly explain what I feel is a lack of community ownership by the present community. Could you all, as Barung members, try to spread the community ownership aspect of Landcare in general, and Barung in particular.

Please share any ideas you may have with us.

Many 'thank you's' are in order:

- \* to the paid staff - Mim, Angela, Russell, Nick, John, Alan, Clay, especially for the many extra unpaid hours they all put in
- \* all volunteers - not just those who help at the Expo and in the nursery but also those who help in so many little ways - there are so many of you
- \* the Green Corps and the Green Reserve teams
- \* Caloundra City Council for the donation of 3 reconditioned brush cutters this week and their help in general
- \* ANZ Staff Foundation for Mim's salary for the past year
- \* our elected representatives at all levels of government - Pauline Clayton, Hermann Schwabe, Peter Wellington, Carolyn Male and Mal Brough - for your consistent support of Barung and our Landcare efforts.

Thanks also to the Management Committee for your support over the past year: Elaine, Neil, Spencer, Laurie, Chris, Julie, Martin and Noah. The Committee is the conduit between ideas and actions and plays a very important role in Barung. Special thanks to Neil, Spencer and Julie who are standing down and to Noah who stood down during the year.

I will conclude now with this challenge: we are all working for sustainability in this environment together. It is more rewarding to be an active participant than just a passenger. Every little helps to leave this world slightly better than when we arrived. Thank you all.



President Lin Fairlie with  
Neil MacLeod, our retiring Treasurer

## Welcome to new Committee members for 2001/02

ICARE.

KAREN SHAW



I have lived in Maleny with my family for 10 years and enjoyed every moment. I teach in Maleny and love seeing students grow into happy, caring youth in this wonderful community.

Environmental education is a driving force in my professional and personal life and I have endeavored to spark a love for nature in all my students. My own children have been inspirational in showing me the beauty of the small things in life and how, with positive thinking, anything can be achieved.

I have been involved in various local groups doing positive things for our children and for the environment. I have been a School Council member for Maleny State School, part of Barung's B.R.E.A.K. group developing a local environmental education package for local schools, S.E.E.D.S. Coordinator for the Barung Junior Landcare group, a committee member for the Maleny State School's Learnscaping Project and someone who is happy to lend a hand to special events and activities. I have been a Barung volunteer for 5 years.

I always enjoy interactions with groups of people achieving something for their community, environment, family and themselves.

ICARE.

PAT BRUNTON



I began calling Maleny "home" four months before settling here in April 1995 and building a house on Witta Road where I and my partner, Peter, and 8 year old teenage son Craig, are evolving a garden from an acre of ex-dairying kikuyu.

Being down to earth, grass roots types, we have faced the challenge of self employment and I work full time plus, servicing over 30 local businesses in the field of small business accounting/MYOB set-up and training/GST etc.

My qualifications come from hands-on experience of life rather than the higher institution of learning and my passions include caretaking the planet, respect for all life, regeneration, community, personal responsibility and food.

ICARE.

RICHARD FRANCIS



I have a Civil engineering, hydrology and operations research background. The first six years of my career were spent in road and bridge building and other forms of construction. Since then I have had 25 years experience as senior manager in water resource operations and environmental management. I was employed in 1972 by the Murray River Commission. In 1982 this organization expanded its river management operations to a broader agenda of water quality and natural resource management, becoming the Murray Darling Basin Commission (MDBC). I acted in the many capacities with the MDBC, including as Deputy CEO. I have been a member of various wealth and state working groups for natural resource management of River Murray catchments e.g. defining environmental river flows, salinity control, planning control of flood plain development, water resource allocation, reservoir and hydroelectric power station operations

ICARE.

JO TODD



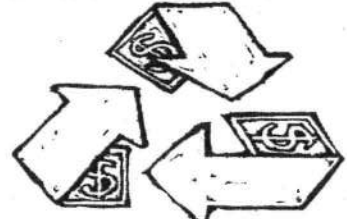
A customer service specialist with experience in banking and credit management, I worked in the health care sector as a volunteer for over 10 years.

I have a strong commitment to caring for the environment and working for a sustainable future. I joined Barung when I first moved to the area 3 years ago. Barung's strong local volunteer base and the diverse skills of its management committee have been pivotal to the success of its landcare program.

Standing as a new member of the Management Committee offers a rare opportunity to contribute to one of the most dynamic and oldest landcare groups in Queensland.

(Barung's Admin Officer, Angela Todd, is my sister)

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# TREASURER'S REPORT TO AGM

from Neil MacLeod



*The 'bean-counter' at work.  
Thank you Neil for the endless hours spent keeping us in line*

## FINANCIAL YEAR ENDED 30 JUNE 2001

The introduction of GST together with much of our project funding coming to an end made 2000/2001 a difficult year.

While some new funding reduced the impact, the drop in grant income was severe being down \$238,000 on the previous year. On the positive side, income from

other sources was higher with the main contributors being donations, up \$27,000, plant & book sales, up \$15,000, and the Wood Expo, up \$19,000. The result was total income of \$426,000 which was down \$182,000 on the previous year.

Total expenditure was \$498,000 which was \$38,000 down on the previous year. The net result was a deficit of \$65,000 compared to the previous year's \$74,000 surplus. While this is clearly a concern, the year's deficit, caused by project expenditure exceeding income for the year, needs to be put into perspective.

## PROJECTS

Externally funded projects began the year with \$152,000 in funds already available as a result of underspending in prior years. This was increased by \$203,000 in grants and other income received.

Expenditure is summarised as follows:

	<u>This year</u>	<u>Prior year</u>
Revegetation projects	\$169,029	\$136,100
Education	\$ 40,375	\$ 67,945
Farm Forestry	\$ 0	\$ 57,508
Farm related projects	\$ 65,593	\$ 70,614
Mary River Cod	\$ 25,415	\$ 39,035
Other Projects	<u>\$ 11,556</u>	<u>\$ 0</u>
	<u>\$311,968</u>	<u>\$ 371,202</u>

After Barung met \$6,000 in funding shortfalls on some projects, \$49,000 was left to be carried over into the 2001/2002 year.

As expenditure of \$312,000 exceeded the income of \$203,000 there was a deficit of \$109,000 in this year's accounts. However, the reduction in carry-over funds from \$152,000 last year to \$49,000 at the end of this year shows that \$103,000 of the expenditure was from funds underspent in prior years rather than from current year income. Therefore the deficit, while a warning signal for the future, should not be cause for over concern in respect to the 2000/2001 year's result.

## CORE ACTIVITIES

Major contributors to the Core Activities surplus are the Nursery, with a surplus of \$27,000, Membership Contributions, Sponsorships & Donations which totalled \$37,000, and the Wood Expo (our major fund raising event) which contributed \$30,000. The Wood Expo's net contribution was our highest ever with the fine weather helping to attract record crowds.

The net increased contribution from these contributors was \$43,000. Unfortunately this was largely offset by increasing costs. Much of the increase in costs results from the impact of the GST and from expenses which were previously externally funded now being borne by Barung. Difficulty in obtaining ongoing funding from external sources is likely to be a continuing trend which has the potential to further increase the costs Barung has to bear in the future.

The net result was a Core Activities surplus of \$44,000 which is \$7,000 higher than the previous position.

## FUTURE

Like most community-based non-profit organisations without any direct Government funding, Barung would have difficulty surviving without the many hundreds of hours contributed by volunteers.

However it is important to recognise that Barung has now reached a size where it is impractical to rely on volunteers alone. Barung staff, who frequently work additional unpaid hours, are essential to enable the heavy workload to be carried out effectively. While Barung generates significant funds itself, it is still very reliant on external funding - much of which is of a one-off nature.

In last year's Treasurer's Report I predicted that 2000/2001 would be a difficult year with many projects coming to an end. Therefore the deficit was not unexpected and has been explained earlier. However this year's result is a warning that Barung still has difficult times ahead. Some activities which were largely externally funded this year (such as education and revegetation maintenance) will, if continued, have to be funded by Barung (unless alternative external ongoing funding can be obtained). Under such a scenario, the core activities annual surplus will become a deficit unless Barung significantly increases the annual surplus generated through the Nursery, the Wood Expo and other initiatives.

It is therefore essential that the Management Committee give careful consideration to which activities can continue to be funded and at the same time give high priority to increasing Barung's self generated income so as to make Barung as fully self supporting as possible.

## Thank you to...

... *Angie* for her excellent organisation of Barung's AGM and to *Angie & Julie Lehmann* for 'in-house' publication/collecting of Annual Report.

... *Ashley Sewell* for handcrafting such beautiful white beech trophies for the Phil Jacobs' Farm Forestry Award.

... *Noel & Jenny Law* for responding to our plea for a fridge.

... *Deryck Pakstun* for the discount auditor's fee.

... *Peter Oliver & Paul Clements* for recording the soundtrack, *Leigh Hubner* for the huge editing effort, *Bram Kommer* for such professional voice-overs, *Graham Gillies* for his aerial footage of the catchment, and *Ray Daley* for letting us film on his property, for the Barung/LBCCG video.

... *Danny & Kylie* at the Upfront Club for providing afternoon tea for our AGM for 100% bunyas.

... *Clay* for donating Ag Chemical Course workbooks to our Library (viz Pesticide Application Manual and AgChem Control Act and Regs).

... *Maleny Library* for use of heavy-duty stapler for our Annual Reports.

... *Claire Wynn* for putting the finishing touches on our library database and making it user-friendly.

... *Lin Fairlie, Ted Mulder & Angie Todd* for manning Barung's poster and book display at the Greatest Earth on Show.

## COORDINATION / EDUCATION NEWS

from Mim Coulstock

The end of the NHT Mary River Cod Community Network Project means that we must say goodbye with many thanks to Eve Witney and Leisa Riggs who both contributed huge energy to the success of this project.

Eve was actually the original Cod Mother, leaving the first time for the birth of son Caelen. She returned for the final project year as editor of *The Cod Line*, which will continue beyond NHT funding under the skillful guidance of Jan Tilden. Eve left the project for the second time for the birth of daughter Lauris, so the Cod Project has an ongoing legacy in Witney fingerlings!

Leisa is moving onto other artistic/environmental projects, having used the plight of the Mary River Cod as part of the bigger catchment picture to teach hundreds of schoolchildren throughout the catchment about catchment issues. Thank you both from all at Barung - please stay involved and keep in touch.

Another thanks must go to volunteer Claire Wynn, who has developed an extremely user-friendly database for accessing the extensive Barung library. All members are welcome to access this resource - it contains a wealth of practical and philosophical information about landcare, catchment and related issues.

At the Barung AGM in September we farewelled Neil MacLeod, Julie Lehmann and Spencer Shaw from the Management Committee and welcomed new members Karen Shaw, Tricia Brunton, Richard Francis and Jo Todd. Thank you to all Committee members for your tremendous contribution to local Landcare over the past 12 months.

Thank you to Lin Fairlie for your willingness to stand as President for the coming year. I am sure that few Barung members are aware of the huge contribution which the Barung President makes to this organisation - it is truly a dedicated Landcare effort and one which does not go unappreciated.

Our guest speakers at the AGM were Bobbie Brazil - Queensland representative on the Australia Landcare Council, advisors to the federal government - and Mary-Lou Gittens - South-east Queensland representative on the Landcare and Catchment Management Council - advisors to state government. It is essential that landcare groups understand these bigger pictures and know the faces behind the groups so that we can have input into state and federal decisions.

Thank you both for making the time to join us at the Barung AGM.

Copies of the Barung 2000/2001 Annual Report are available at Barung for members to browse and/or take if interested.

Feel free to contact me if you, as a Barung member, would like to be more involved in your landcare group. The more active contributors involved in addressing landcare/conservation/education issues, the more sustainable we can make not only Barung, but the whole of the Blackall Range.

My apologies for the brevity of this article - it is always the last to be inserted into the newsletter - and always bears the heaviest editing.

### Congratulations to...

... *Eve & Bernie* on the safe arrival of your new daughter *Lauris Ursula*.

... *Neil & Gillian MacLeod* on your tremendous remnant protection work - featured on Channel 10's *Totally Wild* on September 24th.

## SEEDS.

from  
Karen Shaw



## S.E.E.D.S. go up the C.R.E.E.C!

On October 2nd a small but enthusiastic group of S.E.E.D.S. and their mums went to visit CREEC (Caboolture Regional Environmental Education Centre). This is a community-based environmental group with a fantastic education facility.


We enjoyed a walk through their different plant communities - wetlands, grasslands, woodlands and riparian rainforest. The area used to be a pine tree plantation and has, over the years, been regenerated and revegetated. We saw lots of interesting scats - including koala poo, scratchings and half-eaten leaves - on our tour with Lindell.

Darryl Wright - the center coordinator - gave us a guided tour of the building and showed us many wonderful displays and features. It is one of only a few buildings to produce enough solar energy to feed directly into the grid for use by others.

We all enjoyed ourselves and would recommend to everyone to go down and have a look. Darryl can be contacted on 07 3888 8751.





Darryl and S.E.E.D.S.



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# NURSERY NOTES

from Russell Botterell

Well, it seems that the overwhelming responsibility of being Barung Nursery Manager has finally taken its toll on me. I'm actually on holidays as I write this, leaving Nick at the wheel, having full faith that all will be well while I am away.

Winter was a particularly busy time for the Nursery, more so than usual perhaps. Even though Maleny and its surrounds are in the midst of a fairly dry spell, the Nursery has seen higher than expected sales for this period. (It's exciting to think how many plants may have gone out if we had received some rain.)

The down side of this is the fact that even though plant sales were high, plant growth slows down over Winter i.e. demand has exceeded supply - and we are now in recovery mode trying every possible method to get things growing again and hopefully get closer to meeting demand.

Please bear with us. If we don't have what you are after, we can source stock for you from other local wholesalers in the meantime. We are more determined than ever to eventually cater for demand, with the ultimate goal of never running out of anything all year round (crazy yet determined).

We still need more seed!!! We are desperate for local seed of our native vegetation here on the Range. Ultimately, the more varied the sources of seed, the healthier the forests and indeed all ecosystems will become. All trees have different genetic information even if they are the same species. These tiny variations in characteristics improve the tree's ability to evolve and become more tolerable of the changing environment. So please, if you have some seeding plants on your property, help Barung help the environment and share the seed so that we can grow more of

the beautiful plants we have in our fragile surrounds.

A huge thanks is in order for the dedicated volunteers who hold the fort together at Barung. In particular, thanks to Rowena and Dennis who have jumped straight in the deep end and volunteered for Saturday work. It's very courageous and admirable to see people wanting to be involved with Barung to help with the greater cause. Karma will shine on all vols eventually.

A few things to look out for in the Nursery at the moment:

1. The specials bench. All stock on the table is only one dollar. Bargain!

2. The revegetation project beside Barung. Yes, we have been making a mess, but before too long this area will be a major habitat for all things native. Hopefully we will be able to have some positive effect on the water quality in the "drain" as well.

While we're on the topic of development, does anyone out there have any old weldmesh fencing? We need the 2" square mesh, which usually comes in 2-3 m long x 0.9m high panels. I know this is a bit of a strange thing to just have lying around your house, but if you are thinking of tearing your old fence down (or even someone else's) we would gratefully accept any donations of this mesh. We also need old besser blocks and lengths of 3" x 2" timber.

Actually, while I have no shame and am sounding desperate, we also need a couple of loads of clean fill to build up an area at the nursery. Major developments are happening at the Nursery (on a shoestring budget of course) so all help would be appreciated and acknowledged. It seems we are doing something right with our Nursery, as more people than ever are relying on us for plants. This means that although Nick and I and all the volunteers will have to work even harder, there will be more trees going in the ground.

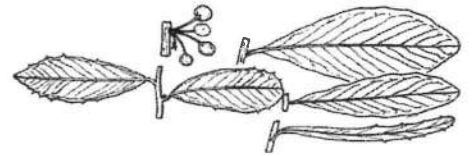
Look after our planet - it's the only one we've got!

## Plant Profile

Spencer Shaw

MUTTON WOOD

*Rapanea variabilis*



What an unfortunate name this plant lives with. However, if you want a hardy, glossy-foliaged plant that produces abundant crops of tasty bird attracting fruit within three years, then this is the plant for you.

Often a sparse plant in forest situations and occasionally reaching 10 meters + in height (very rare and ancient individuals) this plant can look great in the garden when grown in full sun. The more sun they receive the bushier and glossier they become, tending to grow to around 3 meters making it a great plant for a hedge or low growing windbreak.

In December they produce massive crops of small purple fruit that can be quite ornamental and remain on the bush for several weeks. These fruit are also great for attracting birds. I have seen Catbirds, Currawongs and Lewin Honeyeaters, to name a few, feeding on mine.

A beautiful *Rapanea variabilis* specimen can be seen just inside the gates of Barung on the left-hand side. Have a look next time you pop in.

Illustration from Trees & Shrubs in Rainforests of NSW and Southern Queensland publ'd by Uni of New England

### BARUNG NURSERY HOURS

9am - 4pm Tuesday to Friday

9am - Noon Saturday



### CALOUNDRA CITY COUNCIL FREE RATES TREES

**MALENY AREA RESIDENTS**

(& Conondale residents who missed Oct 13th)

Tuesday 16th - Sat 27th at Barung

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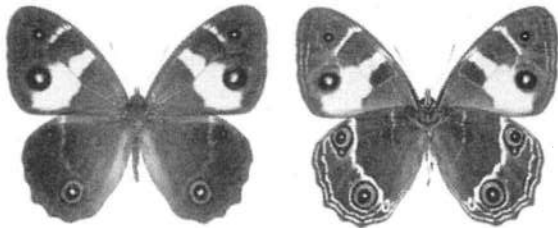
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## Butterflies of the Range from Bob Miller

### VARIED SWORD-GRASS BROWN (*Tisiphone abeona rawnsleyi*)



Everyone who attended Barung's "Wetland Wander" under the expert guidance of Clayton Stokoe, will already be familiar with this insect. It actually greeted us at the beginning of the track, as Clayton was giving his introductory talk.

For everybody else who wants to see one, wetland areas are the best places because this is where the larval food-plants, *Gahnia sieberiana* and *Gahnia clarkei* are most abundant.

There are actually six subspecies of this butterfly, but the one we will come across on the Sunshine Coast is *Tisiphone abeona rawnsleyi*.

It is a fairly easy butterfly to identify. It is approximately 52-59mm from wingtip to wingtip, dark brown with two blue-centered black eyespots on each forewing, and two blue-centered black eyespots surrounded by orange on each hind-wing.

The undersides are very similar, with the addition of a few narrow cream bands.

Its flight is usually a very slow flopping motion down low near the sword grasses unless it is disturbed, in which case it is as fast as any other butterfly.

The greenish eggs are laid singly on the food-plants mentioned earlier, with the preference being *Gahnia clarkei*.

*Gahnia clarkei* is generally a softer leaved plant which makes it easier for the young larvae to eat. The larvae are found in between the leaves of the food-plant, but be careful if searching for them as 'sword-grass' is a very appropriate name and some very painful cuts can result from contact with the leaves.

The larvae are green and are distinguished from other larvae found on *Gahnia sp.*, by their forked posterior. The pupae are generally found hanging upside down on the undersides of the lower leaves. They are green with a yellow stripe around the wing edges.

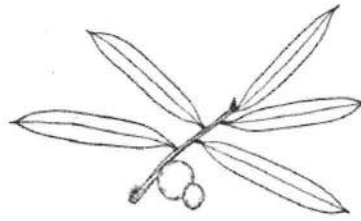
Barung Landcare Nursery usually has good supplies of *Gahnia sieberiana*, so if you have a dampish area, plant it up with these grasses and soon you should have the butterfly breeding in your own backyard.

Further information on this or any other butterfly, can be obtained by reading Butterflies of Australia by Michael F. Braby, 2000.

Illustrations from Butterflies of Australia, published by CSIRO Publishing

## Local Wild & Edible Bernard Murawski

### ILLAWARRA PLUM (*Podocarpus elatus*)



Looking for seedless fruit? If so, then the Illawarra plum (*Podocarpus elatus*) may be just the thing. The Illawarra plum is unusual as it does not contain its seed within the fruit itself but rather the fruit sits behind the seed on the stem. The 'fruit' is actually a grossly swollen, soft petiole (stem).

The botanical name comes from a combination of Latin and Greek words. *Podocarpus* derives from two Greek words: 'podos' a foot and 'karpos' fruit - referring to the fleshy fruit at the base of the seed. 'Elatus', Latin for tall - refers to the height to which the tree can grow. Other common names are Plum Pine and Brown Pine.

The Illawarra plum is a conifer found in dense riverine and seashore rainforests from Batemans Bay up the east coast to Cairns. Fast growing to 40 m (though usually limited to around 15 m), they take 8-10 years to reach maturity. Illawarra plum is a handsome tree used by many councils in street plantings and also forms a nice hedge or tub plant. It produces a tough, durable timber resistant to termites and marine borers, and suitable for furniture, musical instruments, boat planking, joinery, and salt water piles. This may be an intelligent alternative to using (non-durable) timbers treated with toxic chemicals e.g. copper chromium arsenate (CCA) or Light Organic Solvent Preservative (LOSP).

Plants are dioecious so both male and female plants are needed to produce fruit. The male has spike-like catkins in clusters of two to ten, while the female has solitary flowers. Flowering and consequent fruiting periods vary markedly according to site and individual plants, but in this area flowering should begin late summer/early autumn with harvesting late winter/early spring.

Propagation is from seeds or cuttings. Fresh seed usually germinates within 8 weeks and stored seed up to 6 months. If growing for seed, plant a few trees to ensure you have both male and female, then thin to one male per ten females. Cuttings may be more suitable in obtaining the correct gender, however cutting-grown plants often have a less attractive and more bushy, shrub-like form. Some nurseries graft both male and female onto one plant.

The Illawarra plum is fire tolerant (unlike many conifers), frost and cold tolerant, and resists salt spray. However, it is drought tender so keep watering up during dry periods. It grows in sandy to well-drained volcanic soils in protected or sunny positions and seems relatively hardy against insect attack and diseases. Fertilise with compost, dynamic lifter or other suitable commercial blends.

Fruit is bluish-black, small (to 2.5 cm diameter), with a sweet, plum-like taste and a slightly pine/resinous aftertaste (from the inner 'core' in the middle of the fruit.) Harvesting will be a battle between you and the Pied Currawongs which love the fruit.

The most common use of the fruit, apart from eating it fresh, is as a richly coloured sauce that complements all meats including seafood (particularly prawns). For vegetarians, an Illawarra plum and chilli (or basil) sauce is very nice served with vegetable parcels or similar. Please note that if cooking with Illawarra plums use only stainless steel/enamel cookware as aluminium will leave an awful aftertaste that even the dog will curse you for.

An easy, no fuss use for the fruit is to chuck a handful into a scone or muffin mix. It also makes a wonderful addition to puddings and cakes. For a more authentic 'Australian Christmas', substitute a large proportion of dried fruits with Illawarra plums in your next Christmas cake and pudding. As the fruits will be out of season you will need to use frozen fruit - they freeze really well. Make Illawarra plum jam or a tart in combination with other rainforest fruits such as ribberries or even more conventional fruits like nectarines.

Illustrations from Trees & Shrubs in Rainforests of NSW and Southern Queensland published by University of New England



## Direct Seeding

from Alan Wynn

Last newsletter I discussed some of the techniques for protecting young plants from the effects of frost. One of these was the establishment of a nurse crop of frost hardy species such as Acacia and Eucalyptus.

Of course you could buy tubestock from a wholesale nursery or propagate your own tubestock from seed either collected from your own property or purchased from a seed merchant. Then you would need to plant the tubestock and maintain it while it became established enough to protect the frost susceptible species.

Alternatively you could establish the nurse crop by direct seeding. That is the application of the seed directly onto the site where you wish to grow the plants. However, this is not as straight forward as it sounds as the seed biology of native species is complex in comparison to that of crop species. The success of direct seeding can be influenced by four factors:

### Species selection

- High seed viability and germination
- Species adapted to soil and climate
- Species assemblage will achieve end land use

### Seed Quality

- Seed should be collected by reputable suppliers from many plants that have received adequate rainfall during seed filling
- Seed lot should not contain insects or fungus
- Seeds should be stored in dry cool conditions except for species requiring after ripening which should be stored in dry room temperature conditions

### Seed Germination and Dormancy

- Seeds may need to be treated to get optimum germination
- Seeds need to be sown correctly for germination to occur, some species need to be buried, others sown on the surface

### Sowing and Management

- Control weeds prior to sowing
  - Sow in the season when weather conditions will promote establishment
  - Remove weeds when sowing and manage weeds after sowing if necessary
- (Source: Dr. Sean Bellairs - The Growing Idea - Winter 2000)

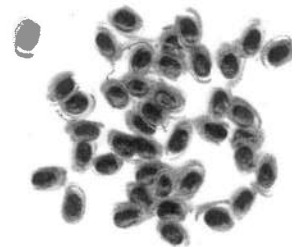
Of course there are advantages and disadvantages to using direct seeding as a method for establishing native species compared to installation of tubestock. Advantages include: lower cost; high plant densities; and more wind stable mature plants. The disadvantages include: less reliable than planting; seedling distribution may be patchy; limited to species that germinate readily; requires greater quantities of seed; and may be more vulnerable to unfavourable weather conditions.

I believe that direct seeding is worth trying up here on the range not only for establishing nurse crops but also for shelterbelts, landslips, 'assisted regeneration' and broad-scale revegetation. Once suitable species and techniques have been determined through smaller trials the technique lends itself particularly well to broadacre projects.

Some species will be more suited to direct seeding than others, colonising or pioneer species generally will be more suitable due to their seed biology and ecology. Species that may be worth trying are *Acacia melanoxylon*, *Eucalyptus grandis*, *Alphitonia excelsa*, *Commersonia bartramia* and *Melia azedarach*. Other

pioneer species such as *Omalanthus nutans*, *Solanum aviculare*, *Macaranga tanarius*, and *Pipturus argenteus* may also be worthwhile if sufficient quantities of seed can be obtained and plants are established well by the time of the first frost. Any species producing bulk quantities of fruit may be used for 'assisted regeneration' which is as simple as throwing half a bucketful under a canopy of established Privet or Camphor Laurel trees (which can later be removed by stem injection of herbicide). Some worth trying are *Acmena sp.*, *Syzygium sp.*, *Cryptocarya sp.*, *Pittosporum sp.*, *Araucaria bidwillii* and *Castanospermum australe*.

Anyone interested in this revegetation technique should have a look at "Direct Seeding of Trees and Shrubs" by Greg Dalton, published in 1993 by the South Australian Primary Industries. If there is enough interest in this topic, Barung can organise a field trip to look at several sites on the Range. Contact the office if you are interested.



Black wattle (*Acacia melanoxylon*) has an average of 58 viable seeds per gram

### WORTH A VISIT:

Wildlife Preservation Society of Qld:  
<http://www.wildlife.org.au/>  
website dedicated to Australian native bees:  
<http://www.zeta.org.au/~anbr/>

### The 2001 Southern Queensland Biodiversity Recovery Conference

will be hosted by Crow's Nest Shire Council  
from 29 Oct - 2 Nov 2001

Full details including conference program and registration form available on [www.Cnnet.com.au](http://www.Cnnet.com.au)

### FORUM:

#### MANAGING PLANT/ANIMAL INTERACTIONS:

#### STRATEGIES FOR BUSH REGENERATION

Conducted by THECA (The Hut Environmental & Community Ass.)

& the Brisbane Botanic Gardens  
on **SATURDAY 3rd NOVEMBER**  
at the Auditorium, Brisbane Botanic Gardens

For more information contact  
**The Hut - Ph/Fax 3878 4581**





*Barung's 6th Green Corps team.*

*l to r: Keir Reid, Damian Svenson, Adam Summers, Luke Lossberg, Tim O'Keeffe, Amy Covington, Scott Turnbull, Peter Taylor, Hayley Harrison, and supervisor Guy Morgan.*

*Thank you all for the tremendous job and all the best for the future.*

Over the past six months based at Barung Landcare, we as a Team, have been employed as Green Corps participants. This Commonwealth initiative for young Australians is managed by Conservation Volunteers Australia and focuses on environmental outcomes.

As our time with Green Corps comes to a close we feel that we have made a significant contribution to our regional community here on the Sunshine Coast. Throughout our project we have completed many projects in conjunction with: Corridors of Green; Queensland Parks and Wildlife Service; Lake Baroon Catchment Care Group; Mary Cairncross Scenic Reserve; The Wilderness Society; Threatened Species Network; and the Glasshouse Mountains Advance Network (GMAN) and Dept of Natural Resources and Mines (DNR).

Last but not least we have worked on Barung sites, on both private and public lands in and around the district.

From these varied projects we have developed such skills as native plant identification, weed identification and control techniques, revegetation and maintenance, walking track construction, water quality testing, workplace health and safety and many more.

We have planted 6,800 native plants, weeded 2.08 hectares, constructed 325 metres of walking tracks (including maintenance of 600 metres), and revegetated over 2 kms of creekbanks.

We would like to show our appreciation to the many people involved in making our project a success, including Alan Wynn who delivered our accredited training and taught us so much, and Barung Landcare, our gracious hosts.

Many thanks for all the support and use of facilities, including the lunch/training area. We thank Guy Morgan, for being a great Supervisor. He taught us a lot throughout the course of the project, making our time enjoyable and entertaining, while feeding us knowledge which we'll take away with us into the future. This has been a great experience for all of us. "Go Green Corps!!!"

## Maleny CLOSING VERSES

Today is the day we say our goodbyes,  
As tomorrow our future ahead of us lies.  
Our six months of Green Corps has been fun,  
We're scared now that we will have none.

As day after day we prayed for rain,  
The Sun came out and fried our brains.  
The times we've had have been a bit goofy,  
Like the time when Hayley fell out of the troopie.

We would listen to the surf report each morning,  
To see if Scotty would come in yawning.  
Sinclair would come to work each morning,  
And talk about cows, cows, cows, how boring.

Whenever we would ask Guy what to do,  
He would reply with a mumble or two.  
Damo was the joker of the group,  
We never knew just how low he would stoop.

Each day we would check if Adam was there,  
For a word from his mouth was quite rare.  
Every time we turned the radio on,  
Fat Timmy would know the words to each song.

Without our old mate Pete,  
The day would just not be complete.  
As Amy was the Iron Tiger,  
She became the group fighter.

Without Luke's Mum he would not come,  
After all who'd wipe his #%\*.  
As Guy would shift gears through the range,  
Keir's seat would always seem to change.

Our time here has been fun,  
Now our work is done.  
The poem is finished  
Thanks everyone.



*Member for Longman, Mal Brough, congratulates the Green Corp and Barung Reveg Officers at the Green Corps graduation*



### DEADLINE

FOR DEC - JAN NEWSLETTER  
WED 14TH NOVEMBER

Please let us know of any change of address so we can keep membership data up-to-date.

Please renew your memberships

- your support is very important to Barung.

**THANKYOU**



*from Marc Russell*

## FARM FORESTRY

2001 has been a great year for corridor establishment in the Upper Mary and Stanley River catchments. More than 70 land holders in the Maleny/Peachester area, have been working with Barung Landcare to create and enhance vegetation linkages (mostly along creek banks). Both projects identify the best remaining rainforest habitats and weak points

in regional corridors, then help to protect, enhance, extend and link these areas. Works include: fencing to exclude stock from creek banks and bushland; planting; weed control; and installation of wildlife nesting boxes.

The occurrence and needs of rare and threatened flora and fauna have had a major influence on the planning and educational activities for this project from the outset. In particular, habitat enhancement for the Coxens Fig Parrot, Richmond Birdwing butterfly, Giant Barred Frog and Cascade Tree Frog has been a focal point.

Community support has been overwhelming. 500 volunteers converged on Bridge Creek in February to plant 5000 trees for our second Bridge the Gap tree plant and 300 volunteers planted a further 3000 trees, at the Schleromorph tree plant on Stanley River Rd. I must extend a special thanks to Green Corps, Green Reserve, Barung volunteers and committee, fellow staff and all those who participated in helping to make these events, and other aspects of the project, such a great success.

Since the Corridors Of Green (COG) project started (a little over 2 years ago) and the Threatened Species Network (TSN) project was initiated (December 2000), 8 km of creek bank have undergone rehabilitation work with approximately 40,000 plants poured into strategic sites.

While we are optimistic about obtaining a further 12 months funding (for COG), both projects are scheduled to finish in November this year. Now is the time for Barung to consider how we can continue to provide advice and assistance to local landholders and to improve this service (currently unable to keep up with public demand). There is also a great need for ongoing monitoring and evaluation of revegetation methods throughout our sites, if we are to learn to improve the viability and efficiency of our work.

The final community tree plant for the corridor projects occurred to create a very important link between Mary Cairncross Scenic Reserve and a large expanse of State Forest to the south. Most of the holes were pre-dug with the help of Kel Harding's dingo as part of a trial for a new tree hole digger. Thanks to all the volunteers who helped with this final treeplant.

**Thanks to everyone who turned out to plant trees opposite Mary Cairncross on Saturday 29th September.**

About 70 people planted 1000 trees in 2 hours as part of the corridor linking Mary Cairncross Scenic Reserve to the State Forest off the front of the Range. This will be of huge benefit for the ongoing diversity and health of the Reserve's flora and fauna in the future - a great effort. Thankyou to Steve for the very social BBQ at the MCSR kiosk after the plant. A good morning in all.

It was with great pleasure that the Barung Landcare Farm Forestry Sub-committee awarded the inaugural Phil Jacobs' Farm Forestry Award to local forester, Rob Tap, at Barung's Annual General Meeting in September. Rob was presented with his white beech trophy by Tricia Jacobs, Phil's wife.

Rob, who operates a farm forestry business called 'Forest Farmer' with his wife Glynis, has been instrumental in the design and planting of many farm forestry plots both locally and further afield over the past ten years.

According to Glynis, they are soon to put their millionth tree in the ground!! An awesome effort by a dedicated farm forester, and a worthy recipient of the first of many Barung farm forestry awards.



*Ashley congratulates Rob Tap on receiving the inaugural Phil Jacobs' Farm Forestry Award.*

Ashley Sewell handcrafted both Rob's triangular trophy and a larger perpetual trophy from an old piece of white beech milled from a local property. The perpetual trophy, which sits in honour on the shelf at Barung, has plaques telling the story of Phil's great contributions to Barung and the story of the timber from which the trophy is made.

Needless to say there is plenty of room for names to be added in the future as other worthy farm foresters are recognised.

### FARM FORESTRY WEBSITES OF INTEREST

National Government:

**Agriculture, Fisheries and Forestry Australia (AFFA) - Forestry section** - <http://www.affa.gov.au/outputs/forestry.html>

**Plantations for Australia - 2020 Vision**

<http://www.plantations2020.com.au/>

**Rural Industries R&D Corporation**

<http://www.rirc.gov.au/>

**RIRDC research reports** are downloadable from

<http://www.brs.gov.au/forest/index.html>

**Forest and Wood Products R&D Corporation**

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

**Bureau of Resource Sciences - Forests and Vegetation site**

(includes the National Forest Inventory)

<http://www.brs.gov.au/forest/index.html>

**Australian Greenhouse Office**

<http://www.greenhouse.gov.au/>

**Australian Biomass Taskforce**

<http://www.users.bigpond.net.au/bioenergyaustralia/>

**Bushcare Program**

<http://www.environment.gov.au/bg/bushcare/index.htm>

If you are growing trees for Farm Forestry in this region please get in touch with Mim at Barung - ph 5494 3151.

The Barung Farm Forestry Sub-committee wants to develop a database of local growers, so that we can keep you up-to-date with our farm forestry education program and activities.

## TREE TALK

by Tony Wootton,  
Tree Surgeon

Hello again Tree People. Spring is here, the weather is warmer and things are starting to grow again. Now is a good time to lightly prune trees and shrubs to encourage bushiness in hedges and screening plants.

In this issue I'd like to promote the concept of "Total tree-care Planning" or, in other words, taking a long term, proactive approach to tree management rather than a shortsighted, reactive approach.

Such an approach starts prior to planting when you consider soil type, pH, aspect, drainage, and available space of a site. It then moves on to suitable species selection, selecting quality plant/root stock, using proper planting methods, and early structural pruning. This approach requires on-going recognition of and commitment to best practice tree maintenance techniques, the use of which will be minimal if the early steps such as species selection are followed, e.g. understanding tree needs and not selecting species that will require a lot of maintenance in a given situation, like a blue quandong, (*Eleaocarpus grandis*) under a powerline.

This approach is really about following basic good design principles and thinking about what you want a tree to do for you. Do you want it for shade, wind protection, colour, form, screening, erosion control, wildlife food or habitat, etc? Then look at the limitations of your site and the level of input you are able to give to the tree in regard to establishment and maintenance.

Having done that, you can choose a tree that meets your selection criteria, bearing in mind such things as its lifespan and eventual size in that environment, and its hardiness. You can then move ahead and become consciously involved in the process that is the life of that tree. You know what to expect and are prepared for the different stages of its development, rather than naively planting any tree only to turn around one day and realize that it has grown too big, is a threat to your home and is going to cost you a lot of money to remove!

You see, when we plant a tree in a built environment, outside of the forest, we take it out of its normal habitat and expose it to a different set of environmental forces. We become responsible for that tree for our/ its lifetime, whichever ends first. It is far better to approach this responsibility from an informed perspective than to not give any consideration to the future.

I urge you all to learn as much as you can about trees and how they function from books, magazines, the internet, attending workshops, discussion, and most importantly from observing the trees around you - how they shed their own parts, where limbs naturally break, how different trees respond to wounding over time - and in so doing we will all become better tree managers.

Until next time, as Dr. Alex Shigo says: "Touch Trees".

## FARMCARE - LANDCARE IN HORTICULTURE in SEQ & the Philippines

from John Muir,  
DPI Horticultural Research Station, Nambour  
Ph: 5444 9611 / 0418 158 623

## Free organic food marketing opportunities seminar

Intending and established organic food producers on the Sunshine Coast can gain information on demand for their products at a free DPI seminar in November.

Seminar organiser, David Meikle from the DPI's Rural Industry Business Services (RIBS) and the Sunshine Coast Horticultural Cluster, said the seminar and discussion was aimed at identifying market opportunities.

He said a telephone hook-up with national marketers would indicate product needs and quantities, current prices and windows of opportunity. Other presentations would introduce DPI's role in assisting producers, steps toward organic certification and the experiences of local producers. As well, organic certifiers would be available to explain the process of becoming a certified producer and explore ways intending producers can access practical help on how to farm organically.

Emma Cockroft, DPI Rural Trade Officer, will outline both domestic and international market opportunities for organic food.

The free seminar will be held at the DPI's Centre for Sub-tropical Fruit in Nambour, from 9.30am to 12.30pm on November 5.

For further information/registrations contact David Meikle on 0407 587 656, email [meikled@dpi.qld.gov.au](mailto:meikled@dpi.qld.gov.au) or the Sunshine Coast Horticultural Cluster on 5446 7534.

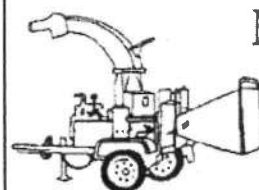
There may be an opportunity for attendees to view the results of recent research on insect inclusion netting for the development of organic fruit production after the seminar.

To receive current information on the Queensland organic industry through an Organic Distribution List contact Emma Cockroft directly on (07) 3239 3246 or by email at [cockroe@dpi.qld.gov.au](mailto:cockroe@dpi.qld.gov.au)

Growers interested in exploring new organic and non organic rural business opportunities can receive regular information by e-mail by subscribing to a discussion group called New Business Opportunities and Ideas, at <http://lists.dpi.qld.gov.au>



Queensland  
Government  
Department of  
Primary Industries



## MULCHMAKERS

Garry Roberts

Mobile: 0417 710 960

A/H: (07) 5494 7885

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## Lake Baroon Catchment Care Group

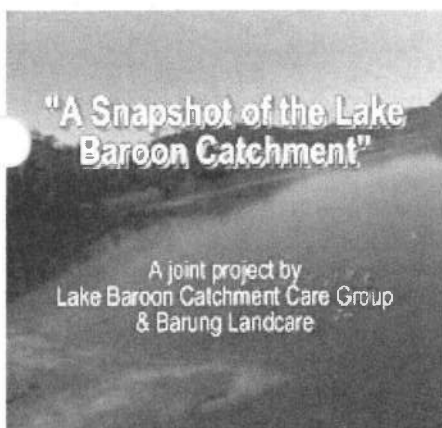
lbccg@telstra.easymail.com.au

PO Box 567  
Maleny Qld 4552  
Ph: 07 5494 3775



### *Catchment Capers by Mandy Botterell*

August and September have been jam packed full of fun and activity for the Lake Baroon Catchment Care Group. We've been out there trying hard to work in partnership with the community to further enhance our abilities and efforts towards achieving an improvement in the health of our catchment and its associated hinterlands.



Possibly one of the most exciting projects achieved over the past two months has been the development of the video "A Snapshot of the Lake Baroon Catchment", created in partnership by the Lake Baroon Catchment Care Group and Barung Landcare. We embarked on this project together to enter into

the National Waterwatch competition 'Race Around the Catchment', knowing that we would also be creating a resource and a genre to showcase the activities and achievements of both groups throughout the catchment, and how these activities and achievements are linked together.

More importantly, however, the video highlights the collective contributions of both groups towards a united goal, and that is the health of our catchment. Thank you Mim and Gordon! A big thanks to Bram Kommer for doing the voice over and to Peter Oliver and Paul Clement for providing the song 'From the Edge to the Sea'. Thank you also to Graham Gillies and Leigh Hubner for their editing and filming assistance.

The Maleny State School 'Learnscaping/Revegetation' project is also set to take off. One of the Year 6 classes at the school has been involved in a Catchment Education Program where they have been exploring and discovering the contributions this project will make towards the health of the catchment. The beauty of this project is that it will have far reaching benefits for the catchment. An outdoor classroom will be created to enable and ensure environmental learning at the school, now and for the future.

This project is being done in partnership with a number of groups including the school and general community, Barung Landcare, Caloundra City Council, and Caloundra-Maroochy Water Supply Board, again highlighting the extent of what can be achieved with a co-operative and co-ordinated effort and a holistic approach to the environment.

The Waste Services section of the Caloundra City Council has come on board through the donation of mulch for the revegetation of the project site, and the school community are making donations of various natural materials that we can utilise for the project, i.e. rocks, dirt, etc.

We are still in need of natural materials for the project

site, i.e. rocks, stumps, mulch, and flitches. If anyone has any of this floating around and would like to donate it to the project, you can call me (Mandy Botterell) on 0416 294 357.



*"Learnscaping/Revegetation" planning is already under way with help from Maleny Primary School students and teachers*

We've also been involved in some education at Maleny High School, with the Year 12 Multi Strand Science students participating in a 'Natural Resource Management in the Lake Baroon Catchment' program.

Once again, this program helped to draw the parallels and linkages between the efforts and activities of various groups, agencies and initiatives within the catchment, and how they are collectively achieving natural resource management.

I would like to thank the following people for giving up their time to participate in the primary and high school programs: Mim Coulstock, Marc Russell, Russ Botterell and Nick Willis (Barung Landcare); Kym Stanton (CalAqua); Leisa Riggs (Mary River Cod Community Network); Alan and Stacey Franks (Hollowlog Homes); Bob Watson (DNR&M - Landcare and Catchment Care); Ashley Sewell (DNR&M - Farm Forestry); Ray Daley (local dairy farmer); Nick Clancy (Land for Wildlife); Karen Shaw; and finally our Catchment Co-ordinator, Gordon Agnew.

One last impressive accomplishment is that 2,300 trees were planted and mulched in the space of 2 weeks thanks to the co-ordination and co-operation of Gordon Agnew (LBCCG Catchment Co-ordinator) and Barung Landcare with their Green Corp team. An excellent exercise in maximising resources by doing things jointly to achieve a united objective - the health of the catchment!

Sadly, I must finish on a bit of a negative note by informing you that our Catchment Co-ordinator, Gordon Agnew, will be leaving the group. This is a great loss for the Lake Baroon Catchment Care Group and for the catchment as a whole.

Thankyou Gordon for your vision, commitment and enthusiasm during your unexpectedly short stay. I for one, have greatly valued the knowledge, experience and insight that you have brought to the group and the catchment. Good luck in all of your future endeavours and may you continue to seek the creation of partnerships so essential for achieving an improved natural environment!



The Caloundra-Maroochy  
Water Supply Board

# OUR WATER

from Kym Stanton

## Water in our World

Water on our planet has been circulating through the water cycle for more than three billion years. It can exist as a gas, liquid or solid at room temperature. Most (around 97%) exists as liquid in our oceans. The remaining 3% is fresh, with around 79% frozen and around 20% existing as groundwater.

What's left is less than 1%. This is the surface water, in our creeks and rivers, whose flow rates change through times of drought and torrential rain. Water exists all around us in the atmosphere. It also exists in all living creatures - our bodies are around 65% water, the human brain around 75% and a tree roughly 60%. The humble tomato exists as over 90% water. Clean, fresh water is essential to life.

### Water Usage

So how do people use water today? Studies have shown that domestically, similar amounts of water are used inside and outside the house. However this varies across the State with outside use ranging from as low as 40% up to 75% of total use.

Current average water consumption in Queensland is calculated at 1965 L/household/day which includes domestic, industrial and other water use. This is equivalent to 635 L/person/day. In 1987 the average water consumption was only 590 L/person/day. Various studies around Australia on the ratio of industrial to domestic use, found that industrial and fire fighting use, production wastage, and leakages were about 30-40% of total use.

The following table is a reasonable estimate of average water use in Queensland.

#### INSIDE (DOMESTIC)

Toilet (full flush)	12 litres
Bath	50 - 150 litres
Shower	40 - 250 litres
Dishwasher	20 - 50 litres
Washing Machine	40 - 170 litres
Tap running while brushing teeth	5 litres
Shaving	8 litres
Drinking/cooking/cleaning	8 litres

**Queensland's daily domestic inside average (L/person) 205 litres**

#### OUTSIDE (DOMESTIC)

Garden sprinkler	up to 1000 litres
Car washing with hose	100-300 litres
Hosing driveway	50-100 litres
Dripping tap (all day)	30-200 litres

**Queensland's daily domestic outside average (L/person) 205 litres**

Industrial, commercial	125 litres (L/head)
Fire fighting, leakage and community use	100 litres (L/head)

**OVERALL DAILY TOTAL 635 litres (L/PERSON)**



### Being WaterWise

Modern lifestyles and reticulated water supplies make life easier, but it's harder to know how much water you're using. In Australia, the driest inhabited continent on earth, fresh, clean water is an incredibly high value resource. The water that flows from the taps in Maleny once flowed down the Mary River, all the way north to Hervey Bay. You can help by making sure that every drop taken from the Mary River is utilised wisely.

This includes being Waterwise at home. If connected to the town water supply you can help by finding your water meter. Learn how to read it and work out how much water you're using.

Ask yourself if you can reduce this amount and take action to do so by re-thinking your water usage habits, repairing faulty water appliances and replacing inefficient ones. Use a broom or bucket instead of a running hose; use the plug in the sink instead of running water.

### Saving Water in the Garden

Here are some commonsense tips for watering the garden - perhaps to help new plants become established:

- \* talk to your local nursery about the beautiful plants that have evolved in your local area
- \* mulch, mulch, mulch, at least 75mm thick (ensuring that it is clear of trunk or stem)
- \* wipe out weeds - they use water too
- \* reduce lawn-sizes and don't mow the grass too short
- \* utilise paving
- \* utilise windbreaks
- \* utilise ground covers
- \* utilise appropriate run-off and recycling options
- \* for new plants, select trees, groundcovers, grasses and shrubs etc with low-water needs
- \* grow plants with similar water needs together
- \* water the highest point of the garden first
- \* water when evaporation rates are low by avoiding sunshine and wind
- \* below-ground irrigation is better
- \* water after small rainfall events if necessary to maximise infiltration
- \* always water for good soil infiltration - if you water lightly and often, roots will grow towards the surface where they are very susceptible to drought
- \* use tap-timers, drippers, trigger hoses and micro-irrigation systems.

In the garden, native plants that have evolved for local conditions, including rainfall, are generally low maintenance with low water needs. Talk to your local Landcare nursery to find out about the best plants for you, and how to identify plants with low water needs.

## CONCRETING

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# CALAQUA



## VOLUNTEER NEWS

### Barung Volunteer Profile - Shirley & Peter Marsh



Congratulations to long-time Barung members and volunteers, Shirley and Peter Marsh, who have been selected as one of four finalists in the Individual Category of the Greening Australia Spade & Shade Awards for 2001.

Shirley and Peter have not only been regular helpers in the nursery but have assisted with the Expo historical display for the past few years. Shirley also made and donated the wonderful Crosscut Saw sculpture for the Expo raffle in 2001. Shirley is now famous, featuring with Barry Liddell at the potting bench on the Barung Nursery 10 year poster, and Peter made and installed the seat on the Obi Boardwalk.

Shirley and Peter have worked tirelessly over the past five years to transform the cow paddock they bought in 1994. This transformation must be seen to be believed. It is a truly remarkable example of what can be achieved on 0.6ha. The block - once barren of wildlife - is now home to an amazing array of birds, reptiles, frogs, mammals and insects. The species diversity has returned thanks to the range of rainforest species planted on one third of the block, and the orchard, vegetable garden, protective vegetation and numerous water features.

The rainforest canopy has been achieved, and the understorey can now be planted, to include epiphytes, ferns and vines. Tracks laid through the forest have added another dimension, allowing visitors to enjoy the fruits of Shirley's and Peter's labours.

The Spade & Shade Awards will be announced in October at Brisbane Forest Park, so we all wish Shirley and Peter best wishes and good luck - not that they need it. They are winners regardless of who takes home the Award, having made a difference to all our lives not just their own, and to the lives of all the animals that now call 'Whistlestop' home.



To Barung Landcare and Lake Baroon Catchment Care Group, Congratulations!

Your video entry in the 'Race Around the Catchment' Competition has been awarded Winner in the Community Category. On behalf of the Waterwatch Queensland network, the Waterwatch Queensland Steering Committee and the Judging Panel, I would like to congratulate the Barung Landcare Association and the Lake Baroon Catchment Care Group. The judges were very impressed with your joint entry.

As winner of the 'Race' your prize is a digital camera, sponsored by Waterwatch Queensland.

A small awards presentation will be held next Wednesday 17th October where the Director General of Natural Resources and Mines, Mr Terry Hogan, will present the prizes and certificates to recipients. Your video will now be nominated as a finalist in the community section of the Waterwatch Australia 'Race around the Catchment' finals with winners to be announced after the Federal election. National Prizes are being sponsored by Waterwatch

Australia, Australian Water Association, Hanna Instruments, Merck and Vendart.

Yours sincerely,

Christina Dwyer,  
Waterwatch Qld Facilitator

Dear Marc,  
The Management Committee and Volunteers would like to thank you and the Barung crew for making the treeplant on the 28th Sept. such a great success.

With a little help from the weather, we will soon have a wonderful corridor between Mary Cairncross Scenic Reserve and the forest on the lower level.

We look forward to continuing the long association between Barung Landcare and the team at Mary Cairncross to enhance the biodiversity of this special part of the Blackall Range.

Yours sincerely,

Leon Taylor,  
Honorary Secretary

### WEEDBUSTERS NEEDED

on the Obi Boardwalk.  
Adopt-a-spot this month  
and help us keep  
the Boardwalk  
A WEED FREE ZONE.



Rob and Samantha Outridge

Supermarket

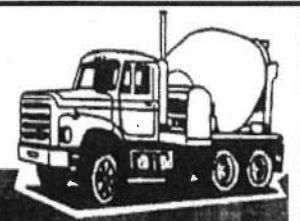
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# WEEDBUSTERS' NEWS

## Volunteers important for Morning Glory control in Lake Baroon Catchment

Barung has been successful in applying to Dow AgroSciences for a Landcare & Catchment Management Grant 2001. The ubiquitous Morning Glory (*Ipomoea indica*) is the primary focus of this project but Madeira Vine (*Anredera cordifolia*) and White Moth Vine (*Araugia hortorum*) will also be targeted.

Although we hoped to launch this project in Weedbuster Week (8th to 12th October), we have had to postpone the launch due to grant payment delays. However we would still like to dedicate this project to Weedbuster Week, with further mapping and a Field Day demonstrating Morning Glory removal techniques, later in October or early November.

The plan is to map Morning Glory infestations on public lands in the Lake Baroon catchment to enable development of a control strategy. Any infestations of Madeira Vine and White Moth Vine which are found during the Morning Glory mapping will also be removed. We plan to focus on increasing community awareness and developing a strategic control program.

Mapping has already been completed along Reesville Rd and Stanley River Rd by volunteers - many thanks to Barung members David and Alison MacDonald, and Jeanette Nobes - but much more needs to be done. I'm sure anyone who lives in this district is familiar with how extreme uncontrolled Morning Glory can become. Just think of the Montville to Palmwoods road - I call it a "rainforest graveyard."

Once the mapping is completed, a strategic control program will be developed, based on the degree of infestation and proximity to remnant vegetation and waterways. Light infestations will be hand pulled to remove roots, or stems will be cut and the roots dug out by hand. Heavy infestations will be hand pulled on their perimeters, followed with chemical control by either the cut and paint technique or by foliar spraying.

There will be a wide range of benefits to us all as both individuals and as a community:

- \* protection of the Sunshine Coast water supply - Lake Baroon supplies water to most of the Sunshine Coast;
- \* protection of rainforest remnants from weed invasion will have a two-fold commercial benefit - it will increase the eco-tourism value of the area and help prevent reduction in private land values. These issues are becoming increasingly important as the dairy industry faces deregulation and the Sunshine Coast faces continuous increase in population;
- \* reducing the threat to private and public remnant vegetation will prevent loss of biodiversity;
- \* removal of seed sources in headwaters will have benefits for all landholders downstream; and
- \* community awareness will be raised - a vital component of environmental weed control if we want to limit the spread of invasive weeds, target garden escapees and encourage landholders to be vigilant about weeds in general.

Madeira Vine and White Moth Vine are not usually as obtrusive or obvious as Morning Glory but they are significant environmental weeds and will be treated when found in Morning Glory control areas.

The success of this project will depend on community

## Going, Going, Gone ...

cont'd from p 16

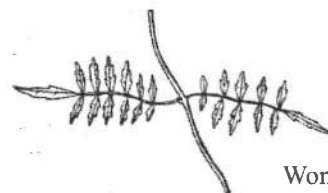
tion of our forest these vine were held in check. Now they can often be detrimental if left unchecked in our remaining remnants. Some vines in this group include the Native Grapes and Water vines (*Cissus* spp.).

Now that I have you all terrified and having nightmares at the thought of rampant savage vines taking over the world, I'd like to introduce some local vines that have great horticultural potential and will do none of the above. Did you know we have a native Pepper vine (*Piper novae-hollandiae*) that produces a spice similar to the black pepper? Or that we have several Native Passionfruit (*Passiflora* sp.) with reasonably edible fruit and beautiful flowers. There is the Richmond Birdwing vine that attracts the beautiful rare Richmond Birdwing butterfly, the Sweet Sarsaparilla (*Smilax glycyphylla*) that can produce a Sarsaparilla cordial and there is a Climbing lily (*Geitonoplesium cymosum*). There is a Native Yam (*Dioscorea transversa*) that could have potential as a food crop as it was for the Aborigines. The Wonga or Bower of Beauty vines (*Pandorea* spp.), Native Wisterias (*Callerya* - syn. *Milletia* - spp.) and Hoya (*Hoya australis*) are all spectacular flowering plants. And the list goes on ...

Patios are the perfect place for experimenting with our local vines. For example, we have a Wonga Wonga vine (*Pandorea pandorana*) rapidly covering our patio and it has just flowered for the first time at only two years of age. Also we have a Milla Milla vine (*Elaeagnus triflora*), that naturally occurs from Noosa northwards. This vine has a gold underside to its leaves and produces a fruit that, I am told, is quite tasty and it is flowering for the first time this year too. My advice is to get out there and liase with a liana, cooperate with a climber, tango with a tendril and vouch for a vine. Because its time for you to invite a local vine into your life!

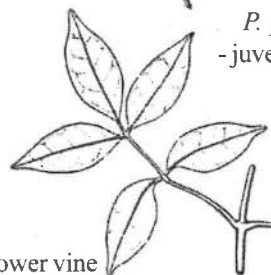
### SEED TO COLLECT

- Callerya megasperma* - Native Wisteria
- Piper Novae-hollandiae* - Native Pepper
- Pandorea pandorana* - Wonga Wonga
- Pandorea jasminoides* - Bower of beauty
- Rubus* spp. - Raspberries
- Passiflora* spp - Passionfruits

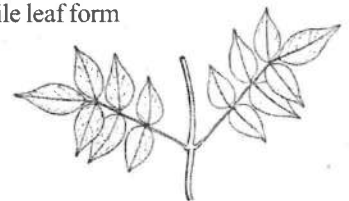


### SOME PANDOREA SPECIES

Wonga vine -  
*P. pandorana*  
- juvenile leaf form



Bower vine  
*P. jasminoides*



Wonga vine -  
*P. pandorana*

assistance and involvement. Although the Dow AgroSciences funding will give it a "kickstart", the success of controlling these weeds will rely on us all making the effort together.

Keep your eye on The Range News for Field Day dates. If you would like to help with mapping, please ring Mim at Barung.

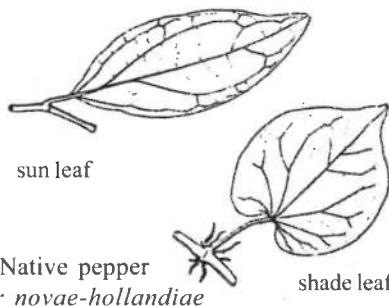
Perhaps there are as many ways to start a story as there are for plants to grow in our local forests. Some of the many forms plants may take are as mosses, lichens, fungi, grasses, herbs, ferns, groundcovers, shrubs, trees, epiphytes and, of course, vines.

The vines are a dominant feature of our subtropical rainforests. In fact many local rainforest types are classified as Vine Forest because the vines are such a crucial part of their structure. Vines can make a forest into your classic Tarzan and Jane Jungle. Lawyer cane (*Calamus muelleri*) is famous for its ability to hold onto you once it has gotten its hooks in (hence the name Lawyer) and many rainforest walkers would be familiar with this vine and the wounds it can inflict. However there are several

*Oh What a tangled Web We Weave  
or Social Climbing in the Plant World  
or a Yarn about Liana's.*

*(seed to collect in October - November)*

*by Spencer Shaw*



Illustrations from Rainforest Climbing Plants  
published by University of New England

other vicious vines to watch out for such as the Prickle vines (*Caesalpinia sp.'s*), Native Raspberries (*Rubus sp.'s*), Cockspur vine (*Maculra cochinchensis*) and last but not least Sarsaparilla (*Smilax australis*). If it catches hold of you the best thing you can

do is Smile and relax! Not all of our local forest vines are out there waiting to attack when a human walks within cooe of their patch of scrub (some may call this karma!). Some are too busy reaching as high as they can into the forest canopy in a race for light with other vines and trees. These guys are often freeloaders, covering tree canopies, breaking branches and if one big tree falls the tangle of vines can often pull many smaller trees as well. Prior to the arrival of lantana and fragmenta-  
cont'd page 15

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