



BARUNG LANDCARE NEWS

June - July 1998

CALENDAR OF EVENTS

Tuesday June 2 3.15 - 5pm	S.E.E.D.S. - AQUATIC LIFE IN LAKE BAROON Bring old warm clothes!! \$20 Annual Membership / \$2 per session -
Wednesday June 3 9am - 1pm Meet at Barung.	RAINFOREST TREE ID WALK with Marc Russell at Mary Cairncross Park. Learn to identify mature rainforest trees. BYO hat, drink & smoko. \$3.00 - Barung members, \$5.00 - non-members. BOOKINGS REQUIRED.
Saturday June 6 9 - 11am OBI B'DWALK	FRIENDS OF THE BOARDWALK TREEPLANT Help combat weeds by planting out the next section of the Boardwalk - let's make it even better!! MORNING TEA SUPPLIED - EVERYONE WELCOME
Wednesday June 10 7 - 9pm at Barung	INFORMATION NIGHT - "THE RIVER'S END" with Wayne Ellis. A slide presentation on the effects on ocean life of our rivercare programs. \$3.00 - Barung members, \$5.00 - non-members. BOOKINGS ESSENTIAL
Friday - Sunday June 12 - 14	BUNYA MOUNTAIN RAINFOREST WEEKEND FIELD TRIP Bush walks, Tree I.D., camp fires, getting bushed with good friends for minimal cost. BOOKINGS ESSENTIAL. Contact Barung Landcare for information.
Tuesday June 16 ALL DAY (whenever you can!)	ENTRANCE SITE MAINTENANCE DAY Replanting and handweeding to reduce herbicide use. Ring Barung to register your support.
Saturday June 20 9am - 4pm Curramore Rd, Witta	FARM FORESTRY FIELD DAY - PLANTATION AND NATIVE FOREST MANAGEMENT Farm walks & static displays on commercial hardwood plantations, native forest management and thinning. on site soil info and lots more. Contact Neil Halpin - 018 834 729/ Mark Warnick - 5441 4557 FOR BOOKINGS CONTACT BARUNG.
Saturday June 20 8 - 10am at Barung	WEEDBUSTER TRAINING DAY Continuing development of Weed Management & Control Strategy for the Obi Boardwalk and the continuing Weed I.D. Workshops. All welcome - no charge.
Wednesday July 1 9am - 1pm Meet at Barung.	SEED COLLECTION & TREE ID WALK with Marc Russell. Look at and learn about species of the dry rainforests of the Conondale/Aherns Rd area. BYO hat, drink & smoko. \$3.00 - Barung members, \$5.00 - non-members - BOOKINGS REQUIRED.
Saturday July 4 8 - 10am	WEEDBUSTING - BARUNG TREE MAINTENANCE TEAM Weed busting. BOOKINGS NOT NEEDED. Phone Linda on 5494 3497 for Info.
Tuesday July 7 3.15 - 5pm at Barung	S.E.E.D.S. - ENVIRONMENTAL ORIENTEERING Meet at Barung. \$20 Annual Membership / \$2 per session
Saturday July 18 8 - 10 am at Barung	WEEDBUSTER TRAINING DAY Continuing development of Weed Management & Control Strategy for the Obi Boardwalk and the continuing Weed I.D. Workshops. All welcome - no charge.
Tuesday July 21 7 - 9 pm at Barung	INFORMATION NIGHT - LOCAL AREA PLAN with Warren Bunker from CCC. Planning Dept, John Muir and John Wildman. NO CHARGE
Wednesday July 29th 9 am - 3 pm at Barung	PROPERTY MANAGEMENT PLANNING FOR SMALLER LAND HOLDERS - INTRODUCTION DAY. Learn about long term planning for your property. Have input into topics to be covered over the next 6 months eg reveg, weed control, permaculture etc. Discount maps available. \$12.00 Barung members, \$15.00 non-members BOOKINGS REQUIRED
Saturday Aug 1 8 - 10 am at Barung	WEEDBUSTING - BARUNG TREE MAINTENANCE TEAM All welcome. BOOKINGS NOT NEEDED. Phone Linda on 5494 3497 for Info.
Tuesday Aug 4 3 - 5 pm at Barung	S.E.E.D.S. - HANDS ON DAY AT THE SHOWGROUNDS REMNANT with Jim Watson, Revegetation Officer. \$20 Annual Membership / \$2 per session
Wednesday Aug 5 9am - 1pm Meet at Barung.	SEED COLLECTION & TREE ID WALK with Clayton Stokoe round the Beerwah Field Study Centre. This walk will cover one of the most diverse and intact areas of Wallum left in our region. BYO hat, drink & smoko. \$3.00 - Barung members, \$5.00 - non-members - BOOKINGS REQUIRED.

PRESIDENT'S REPORT

from Joan Dillon

Expo is over for another year and it was certainly a great success. Many months of planning and hard work go into an event of this size and Barung owes an enormous debt to Daryl and Craig for the amount of effort they put in on our behalf. Staff members contributed many hours of voluntary work as did committee members and others. Thank you to everyone. I'm sure our wider membership will enjoy the full report in this issue of the newsletter.

Barung is progressively improving the internal layout of the resource centre and our thanks to those who are assisting in this regard. We hope that the present chaos will shortly be a thing of the past and that members will appreciate a less cluttered environment and improved access to general resources.

The management committee is progressively dealing with policy matters and I hope all members take time to read the abstract of our recently endorsed Revegetation Policy. If there are any policy matters you as members would like to raise, please contact me or any committee member.

While our staff and volunteers have been busy getting on with the job of raising plants, conducting seed collection and tree ID walks, raising awareness of the Mary River cod, putting in place revegetation and maintenance plans, dealing with the practicalities of farm forestry and generally keeping the organisation running, committee members have also kept an eye on the broader picture. They have assisted in various ways in the deliberations of both Caloundra City and Maroochy Shire Councils, in responding to Government documents and in the assessment of applications for funding through the Natural Heritage Trust.

These contributions to the wider community also link Barung to an extensive network of ideas and additional expertise. In these days of tight government budgets and apparently reduced environmental priorities, it is absolutely essential that we share our knowledge and resources to the greatest possible extent. We cannot afford to reinvent the wheel or to trip over one another in achieving practical outcomes.

The National Corridors of Green consortium in which we participated with other landcare groups and Greening Australia has been a good example of cooperation. We will continue this productive liaison and assist each other wherever possible. The field day at Ed Lawley's place was a part of this cooperative approach. The big machine which sliced through and munched down the privet along the creek bank was a sight to behold. We all look forward to the establishment of another section of important (and non-weedy) riparian corridor vegetation.

Continuing the theme of community co-operation and involvement, I was pleased to attend the opening of the new Maleny library early in May. Barung staff and members will certainly enjoy using the wonderful facilities and we hope that we can also contribute towards the library's success.

COORDINATOR'S CORNER CHAT

with John Muir

The *Chainsaw to Fine Furniture* Expo was a tremendous success again. Thanks must go especially to Daryl, Craig, Ashley and the Expo Sub-committee, who organised a great program. This is their third Expo and it is a credit to their commitment, enthusiasm and dedication to Barung and Landcare. Congratulations also to all committee members, exhibitors, sponsors, staff and of course the many volunteers who all pulled together to make an outstanding event. Thanks also to Jan Tilden for the stunning posters (Double Take Publishing) and to John Dillon for the new poster display boards (doors).

Thanks to Linda Ivezic, Jim Watson and Ann Oliver the Expo Education Day was a great success. On the Friday, thirty-two students from Maleny High School visited four of the Expo woodcrafters after a tour of the Obi Boardwalk. A questionnaire was handed out to all students to top it off.

Barung also received a Year 12 Geography project from Maleny High School, as part of the Education Week promotion. This project was an exercise in compiling information on community groups such as Barung. It is an excellent example of how school and Landcare can work together, and gives an outsider's view on how well Barung is doing locally. It also suggests possible ways of improving our image and activities.

With the Green Corps Team almost finished up, I would also like to personally thank Julie and all of the Team for their energy and input towards our Landcare effort. Well done, all the best for the future, and we know you will keep in touch. The end of this team will put the pressure on us to find alternative labour sources (other than our volunteers), such as Work For The Dole or a Community Service Team.

I was able to attend a Mary River Catchment Acid Soils Working Party group discussion, with the aim of obtaining funds for Acid Soil projects for the first time from the National Acid Soils Program. My only comment is that funding is very heavily dependent on considering the 'lime it' option only, and very light on alternative methods such as addressing the cause of acidification and not just the symptom ie low input natural farming systems.

The increasing issue of creeks not being defined as a 'designated waterways' (which is most of them) has, I believe, implications for uncontrolled clearing and damming. I believe this issue should be taken up with Councils, DNR and the State Landcare and Catchment Management Council. With the State Landcare Conference in Cairns in June, it is time to think about these types of issues and any other motions that need to be put up for consideration.

A big thank you to all our sponsors and volunteers who have once again given their time and money for the Landcare cause. Such help is even more important these days with all NHT funding needing to be matched dollar-for-dollar in cash or kind. So please note all your volunteer hours in our new volunteer record book. Any work done for Landcare, whether at Barung or out in the field eg. revegetation site weeding and planting, should be recorded for use in matching grants. If you cannot get in to fill out the book, ring the Office and we will send you a volunteer's record keeping sheet.

Chris and Neil, our current work experience volunteers, have helped us produce a draft newsletter and phone survey. These will enable our members to suggest their Educational and Landcare requirements. You will be seeing or hearing about these surveys in the near future. All comments and feedback welcomed.

We have over 20 people booked in for the Bunya Mountain Field Trip on the 12-14th of June. Due to a couple of cancellations there are some vacancies still available if you would like to join us.

SOLOTHURN

RURAL RESORT

P O Box 79
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Albert Murer
Manager

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Fax: +617 5499 9279



Please contact me as soon as possible if you would like to participate.

The second edition of *The Blackall Range Landholders Guide* will soon be organised as our first print run of 500 copies has almost run out. Any ideas for our new edition would be welcomed.

As soon as we finalise the Dairy Effluent Trials with Peter Dart's final research report (Qld Uni), we will be organising an Educational and Extension program to run over the winter. The new continuation project with Cyril Ciesiolka (DNR) is still waiting on NHT or Dairy Industry funding approval. It is pleasing to see that this project has been taken on board with a Mary River Catchment Dairy Effluent Improvement Grant Project.

Another Farm Forestry Field Day is being held on Saturday, June 20th at Witta, and the Australian Forest Growers Conference Tour will be visiting the Mary Cairncross Centre on 1-2nd July, with an opportunity for Barung presentations, discussions and displays.

PROPERTY MANAGEMENT PLANNING FOR SMALL LANDHOLDERS


Barung will again be conducting our ever popular Property Management Planning Workshop series this year. We aim to target small landholders and hobby-type farmers.

If you are new or old to the area, are on a 1 to 50 ha block and want to develop an overall long term management plan, this is the course for you.


Together with your local knowledge and that of other landholders, specialists from Council, State Government and local community groups, we can provide a learning environment which is diverse, unique and interesting for all. Topics usually covered by P.M.P. Workshops include Aerial Photo interpretation (with discounted photo prices from DNR), mapping, soils, weeds, permaculture, farm forestry, revegetation, landscaping, and food production, including bushfoods.

Half day workshops are held on a monthly basis, and incorporate both theory and outdoor practical sessions. The price is \$12 for Barung members and \$15 for non members per session.

An INTRODUCTION DAY has been planned for Wednesday July 29th, so please mark this date in your diaries if you would be interested in participating. For further information and discussion please contact John at Barung.



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S.E.E.D.S.

with
Ann Oliver



S.E.E.D.S. for the next three months is going to be full of adventure, fun and learning.

MEET GREEBLIES OF THE FRESH WATER DEEP:

June 2nd will see the S.E.E.D.S. at Baroon Pocket Dam discovering what type of aquatic animals live there. This will be an exciting afternoon of collecting information about our dam. **Please send old clothes with your S.E.E.D. as there is a slight possibility of them getting muddy!**

WEAR A CAP AND GET A MAP:

July 7th is a local introduction to Orienteering. S.E.E.D.S. will be given the opportunity to be involved in one of the world's most compelling sports. We will meet at Barung at 3.15pm and have a map-led introduction to our local environment.

S.E.E.D.S. BEAT WEEDS:

August 4th and rainforest weeding is the way to go - with the rainforest plot at the showgrounds desperately needing a weeding. S.E.E.D.S. will work with Jim Watson on the maintenance of a project which the S.E.E.D.S. were instrumental in starting.

Hoping to see many S.E.E.D.S. on these action packed, greebly-seeking, smile-sprouting afternoons.,

See(d) you there!

WELCOME TO NEW MEMBERS

Wendy Gallant	Claire Booth & Peter Tissot
John & Olga Knight	P & M Krieg
Bryan Grant	Bev & Doug Warrick
Lesley Halliday	Pamela Harrison
Jenny & Richard Sappey	Trevor Burns
Pat & Marie Closkey	David Billing
Maryanne & Steve Burnett	Robin Jones
Jenny Gibson	Greg Jendra
Roy Willoughby	Margaret Grant
Bruce Wimpenny	Mr & Mrs D Whiteside
John Pennie	Adrienne Gainer
Wanda & Kevin Wong	Christine Thomas
Malcolm & Nancy Baker	K Grayson
David & Susie Copland	M & T Lindegger
Barry Gilbert	David Hodgkins
Lyris Snowden	M Flanigan
Joan Benson	G & U Bochow
Lloyd Taylor	Pam Walker
Joan Rodger	K Davis & R Thorburn
Ian & Rosalind Lester	G & J Steele
Graham & Valda McLean	Denise Hoffman
Greg Easton	Keith Prince
Charles Mollison	Shelley Lyre
G & E Thorpe	T & M Turner
John Bennett	M & Z Holdaway

NURSERY REPORT

with Marc Russell

If you haven't been into the nursery lately, drop in and have a gander. We've made a few changes that will improve both our service and stock quality.

At the moment we are putting the finishing touches on the new nursery office overlooking the retail area. Thanks to Ed Lawley for helping out with the building and materials and to Gail and Mark Johnson for donating the sliding doors. A big thanyou also to all of our volunteers who were co-erced into building and painting work!

All the sales related items will be found here in close proximity to the plants - books (for sale or reference), labels, cash register and displays.

This nursery office ties in really well with the new verandah outside the front door. Hopefully these renovations will remove some of the confusion for customers, who often do not seem to know where to go for sales etc. The verandah certainly makes a big difference in the wet weather!

The covering has been changed on the main shadehouse from 60% to 30%. This should dramatically improve the sun hardiness of our rainforest plants, especially during the hot summer months. Less plant losses means more forest!!!

There is a new sink with running water installed in the potting up area which will make life a lot easier for our hard working volunteers. A lot of work has been done lately by our volunteers in the sun hardened area - weed mat and blue metal have turned this once unsightly area into a weed-free zone!

Plant sales are still going well. The ground is wet and the conditions are a lot milder, now that the extreme heat has passed. Last summer was the hottest one I remember, with one heatwave after the next. This sort of weather can be very punishing on young plants (and on tree planters), so many people are taking advantage of the favourable conditions we have been receiving lately to get their planting done. If you happen to be one of these people, go for it! Just be wary if you're in a frost prone area.

GROWING TREES IN FROST PRONE AREAS

Although much of Maleny never sees a frost, there are areas, especially around creek flats, that can get periodic light and sometimes medium frosts. Conondale on the other hand can get many severe frosts over the course of a winter and these are closer to real black frosts.

Although many people believe you cannot plant in these areas during winter, it is possible to keep up your planting program if you remember a couple of points.

1. Severity of Frost: this is affected by a broad range of climatic as well as site factors, including location (hill top or valley floor), cold air drainage and heat radiation from soil. Extreme or black frosts may only occur occasionally but are still likely to kill some tree species.

Most frost damage occurs when the early morning sun hits the frozen sap in the leaves, so if you can plant in areas which have protection from this early morning sun, any damage will be minimized.

If this is not possible, hosing the leaves well, before the sun hits will thaw the sap and prevent damage. Of course there are many situations such as revegetation sites where this is impractical.

2. Frost Tolerance of Trees: it is always best in areas prone to frosts to plant fast-growing frost-tolerant species in the first round of planting. This will ensure a canopy which will afford protection for less tolerant species. (Remember that deciduous species such as White Cedar are of no help when a frost hits - they have no leaves and so will afford no protection - even though they themselves will not be burnt by frost!) Barung is in the process of compiling a species list marked with frost tolerances where known, so avail yourself of this information if you wish to plant in a frost zone. If you have experience with frost, maybe you can add to this information.

3. Site preparation: Trials in N.Z. and Qld. have shown that moist bare soil absorbs the heat of the sun and warms during the day. This heat is radiated during the night, warming the air close to the ground by up to 3 degrees. This factor may be sufficient to prevent plant damage by light frosts.

Careful attention to weed control before planting to give an area of bare soil 2-3m diameter round each tree may therefore help in reducing frost damage.

4. Mulch: If you look out on a frosty morning, you will notice that garden areas which are mulched will have considerably more frost than adjacent grassy/bare areas. Mulch around trees during winter insulates the soil, reducing the effect of stored heat on frost protection. If possible, it is better to scrape mulch away from round trees during the frost season. However, there is a trade-off with using this system if you are planting rainforest species. Because our frosts occur in the driest part of the year, rainforest trees can suffer badly if they do not receive a good watering once a week in the absence of mulch which retains soil moisture.

If possible, use this time of the year to plant in less frost prone areas. If not, you can continue planting in areas where you may get frosts, but by keeping the above points in mind, even though you may lose a few new tips, your trees will be established and ready to power on when the rains come. Good luck!!

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BUTTERFLIES ARE FREE

by Bob Miller

..... and they can be a common sight in your garden just by planting the right things!

Hi everyone. My name is Bob Miller. Some of you may already have met me at Barung Landcare. I have worked in the nursery off and on (as funding permitted) for nearly twelve months now.

As part of their ongoing education programs, Barung has asked me if I would pass on some of the knowledge I have accumulated over the years about butterflies.

I hope to be able to do this in two ways: one is by writing a column in the Barung Newsletter and the other is by answering any questions that you may wish to send to me at Barung.

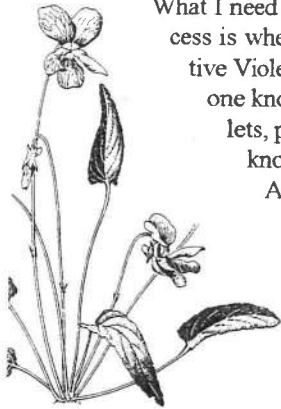
If you live close to Barung and would like to know something about butterflies and their associated plants, please don't hesitate to come in any Wednesday and have a talk.

I hope you enjoy reading these articles as much as I have enjoyed writing them.

HELP WANTED!

At the moment I am researching suitable sites for the re-release of one of our Queensland butterflies that seems to have become extinct in this state.

With help from the general public and permission from the Department of Environment and Heritage, we hope to relocate some larvae from the last known site in NSW back home again to Queensland.



What I need to know to make this relocation a success is where there are large quantities of the Native Violet, *Viola betonicifolia*, growing. If anyone knows of a location with lots of these violets, please write to me at Barung and let me know.

All the information can then be put on a map and suitable sites will be selected.

Hope you can help!

Please write to: Bob Miller
c/o Barung Landcare
17 Bicentenary Lane
Maleny Qld 4552

THE COMMON AEROPLANE

Phaedyma shepherdi shepherdi

I have chosen this butterfly to talk about in this issue because it is fairly abundant at the moment and quite easy to recognize.

It gets the name *The Common Aeroplane* because of its habit of flapping its wings three or four times and then holding them out horizontally and gliding like an

aeroplane for several metres before having to move its wings again.

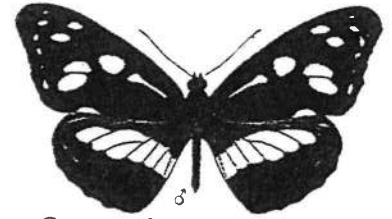
It is essentially a rainforest insect, but can be attracted to your suburban backyards if the larval foodplants are planted. The best of these that I have found include; Lacebark (*Brachychiton discolor*), Flametree (*Brachychiton acerifolius*), and Rough Leaf Elm (*Aphananthe philipinensis*), all of which are currently available at Barung.

The Common Aeroplane itself is not very impressively coloured as butterflies go, being mainly brown with white spots. It is approximately 58mm from wingtip to wingtip, with males and females being similar in size.

I feel the larvae are more impressive. I have heard them described as resembling a scotch terrier dog, and if ever you get the chance to see one up close, you will see why. The larvae are quite easy to find when you know what to look for as they have a habit of chewing the ends of the leaf of the foodplant they are resting on, leaving just the centre vein. They will then chew off pieces of the leaves and secure them back on to the centre vein with web. These pieces then die and the larvae can be perfectly camouflaged among them.

The pupae are a golden brown colour with the wing margins a darker shade of brown. They are mainly found hanging upside down on the underside of a leaf of the foodplant, but are sometimes found on the stem not far from a leaf.

Remember though that if you plant the food species and the larvae hatch, they will chew up some of the host plant leaves. The damage is only minor and temporary, and you will soon have a new generation of butterflies in your backyard



Common Aeroplane *Phaedyma shepherdi* × .80. E. Qld and NSW; also in New Guinea. Larva brown and white, covered in minute spines, armed with four pairs of spiny processes, on flame tree and other trees. N.

WANTED/NEEDED

- # a **LOCKABLE CUPBOARD** for the reveg shed for chemical storage in line with workplace health & safety regs.
- # an old, but working, **BLENDER** to use for scarifying seed
- # a **VOLUNTEER KNOWLEDGEABLE ABOUT IRRIGATION SYSTEMS**, to help when our irrigation system works less than perfectly!
- # black rainforest **TUBE POTS** (5 x 5 x 12 cm) and of course we always welcome volunteers to work in the nursery

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FROM THE FRONT OFFICE

What a hive of activity!

Anyone who thinks that nothing ever happens at Barung should drop in sometime and soak up the seeming chaos for a few hours. That so much is achieved amid the chaos is a credit to Barung and everyone's dedication!

This week will see the end of our second Green Corps Team. Not only will there be a big reduction in the number of dirty coffee cups and backpacks all over the tables, but there will be a lot less giggling and chatter.

This team has been fantastic - they have joined in with everything that has been going on. Not only have they revegetated half of Maleny, but they have wielded paint brushes, done computing and filing and photocopying, weeded and made steps out the back of the nursery and a hundred and one other jobs that probably no-one else ever sees. It has been a pleasure having you all on board. Make sure that you keep in touch and send us postcards from whichever edge you may be travelling at the time. If you are staying around the Maleny area, drop in - you know we can always put you work!

And to Julie - good luck with wherever your work takes you next. It has been

great having you as part of the Barung team - you slid right in and more than filled the empty shoes left by Jim. No mean feat!

Marc's office renovations have caused more than their fair share of the chaos of late. Thanks to Barry and our work experience lads, Neil and Chris, the renovations are proceeding, though slower than everyone would like. When we finally install you in your yellow place of honour Marc, you will be a happy man!

Many many thanks to Daryl and Craig and the Expo team for putting on a fantastic show. It was fun to visit, fun to work at and injected its own brand of confusion into the office. Everyone involved did a wonderful job, from Peter Erdmann and Peter Brunton with their own slants-on-life directing parking, to the High School team in the canteen.

Every time a big project is over, we all breathe a sigh of relief and begin to sit back. However the peace does not last long. If it's not NHT it's BHP, if it's not BHP it's expo time, if it's not expo it's building!! And so it goes on in that small world we call Barung.

Thank you!



BOOKS FOR SALE AT BARUNG

Barung has an extensive range of books for sale these days, so drop in and browse.

Trees and Shrubs 1995
Andy Grodecki

Eucalypts of the Sunshine Coast
Tony Bean

Tree ID Made Easy
Ann Moran

Wildlife of Greater Brisbane
Old Museum Bookshop

Wild Places of Greater Brisbane
Old Museum Bookshop

Bush Heritage
Pat & Sim Symons

Weed Identification Booklet
CCC

Rainforest Plants
Vols 1 - IV
Hugh & Nan Nicholson

Attracting Frogs To Your Garden
Kevin Casey

Rocks and Landscapes of the Sunshine Coast
Warwick Willmott

Rainforest ID Books
University of New England

Growing Rainforest - Rainforest Restoration and Revegetation
RM Kooyman

Waterplants of Australia
GR Sainty & SWL Jacobs

Rainforest Trees of Mainland South-eastern Australia
State Forests of NSW

Wild Food Plants of Australia
Tim Lowe

YOU NEVER KNOW WHAT YOU'LL FIND!

WANTED

Any members with relevant qualifications who would like to become accredited trainers for Barung under the Greening Australia banner. Barung needs trainers for Green Corps and Adult Education programs etc.

There is a minimal education requirement of at least 5 years industry experience in chosen field and minimum of Category 1 Train The Trainer.

Please contact Jim Watson at Barung if you would like to find out more about this local employment opportunity.

FEEDBACK...

Dear John, Mim, Marc, Denise, Lexy, Clay and everyone,

Congratulations on the Big Treeplant! It's hard to find words to describe the feeling I had driving into Maleny early afternoon on March 14th after having just spent 3 weeks in the Royal Children's Hospital intensively nursing Star. This was our first day out - and to arrive at the freshly planted-out entrance to town was exciting and inspiring - a delightful celebration of life and growth after a depressing and gruelling time for us in hospital. It was the most perfect thing to come home to. Circumstances made it impossible for us to participate on the day, but I look forward to helping out with weeding and mulching later in the year.

Now to other matters. I am concerned about the creek which runs along Willow Lane between Fig St. and the Obi. Speaking of urban revegetation and regeneration, it really needs planting out. Since I've lived here the creek has been totally bombarded with Roundup (despite the DROP NO WASTE - FLOWS TO CREEK signs on the drains), scraped out by backhoe, and is now full of a whole lot of new weeds. This proposal is not a big job. I'm sure the local residents would be happy to provide labour, and perhaps some of the businesses whose properties border the creek would contribute \$'s for trees etc. Council could rescrrape it (carefully for one last time) and it could all be done very quickly.

Could Barung organise and coordinate this? It is right in the middle of town and more and more traffic is using this road to bypass the main street. This creek was probably once lush riparian rainforest (judging by the remnant left above the Fig St. bridge) and provides drainage for the catchment of the whole of the basin bounded by Maple, Bean, Tamarind and Teak Streets. With all of the work going on in Porter's Farm and the massive increase in housing development within the basin, I think it is quite urgent that we clean up and protect this little bit of creek which meets the Obi just behind the Riverside Centre.

What about it? I hope you will consider this suggestion. I am so happy to see how Barung has grown and flourished in the 7 years since I arrived in Maleny. Well done! Keep up the fantastic work and the strong community base that you work from - it is the most solid grounding any organisation can have.

Peace, For the Earth,
Alice (& Satr & Rinchen) Hungerford.

ALL IN A SUBURBAN GARDEN

from Alice Hungerford

I live in suburbia - that is, Maleny suburbia - on my little quarter acre, 2 minutes walk from the main street, brick veneer homes sprouting up all over the place. Our block adjoins no less than 6 other house lots! Yes, there is a suburban side to Maleny. Seasoned 'bushies' (of which I was one until recent years), argue that native wildlife has been largely wiped out and replaced in these areas by sparrows and feral cats. They argue that local plants have been replaced by imported privet and camphor laurel. While in some areas this may be so, here it is not the case. In the last 18 months, I have been quite amazed by the number and diversity of native wildlife that visits my garden - in spite of the 2 cats, a dog, chooks and 2 children they have to compete with.

So far, without really counting, we have seen regular visits from Black Cockatoos (Yellow-tailed), Sulphur-crested Cockatoos, Rainbow Lorikeets, Pale-faced Parrots and others which may be Scaly-breasted Parrots. There have been Butcher Birds, Magpies, Pee-wees, Kookaburras and Brown Pigeons. On the ground we have had a Scrub Turkey, Echidna, Quails, at least two varieties of snakes and 4 varieties of skinks/lizards. There are at least two permanent possum residents and various antichinus. The fruit bats visit in flower and fruit season. Tawny Frogmouths, Nightjars and other owls have been sighted. We have Rocket Frogs and three other varieties judging by their songs, as well as various crickets, beetles and a huge variety of spider species. The Ulysses Butterfly, the Wanderer, Birdwing and others have been sighted.

Quite a list for the suburban block! This is not due to the native food trees I have planted, which are still quite small, but to a variety of fruit trees, native tobacco, privet, camphor, Blackwood and Sandpaper Figs which were already established. Interestingly enough, the main grove of big trees is made up of Camphor Laurel, Broad-leaved

Privet, Blackwood, Old Maples and Sandpaper Figs - all happily co-existing on perhaps 6 m² of soil along the back fence. Selective culling of the weed-trees has kept a screen from the neighbours and allowed the natives to get more light and thus flourish. There is always some part of the yard which is jungle at any one time, as with the neighbour's garden on one side. Bushy shrubs, flowers and herbs no doubt help, along with the vegies which go wild and run to seed. I still have some 'lawn' to mow and even some beds of weeds which are 'managed' if not controlled.

Excitingly, the *Eucalyptus tereticornis* which I planted approximately 17 months ago, is now towering more than 3 metres high alongside She-oaks, various wattles and a lillypilly - all well over my head. These were planted from Barung \$1 tubestock!

I guess the aim of writing this is to point out that native habitat restoration and regeneration can happen very effectively in suburbia, especially on the good red soil here in Maleny. I believe that although the face of this area has changed dramatically over the last 150 years, the fertile soils enable us to quite easily encourage Nature to regenerate and re-habituate at a remarkable rate, especially when you consider that the whole area was clear-felled only 100 years ago.

Tree Planting Assistance from Dept. Natural Resources

DNR can help land-holders with tree planting projects by providing a free, onsite advisory service, and a reduction on the purchase price of trees from selected departmental or commercial nurseries (subject to approval).

The free advisory service and the trees can be accessed by completing a Tree Assistance Scheme application form available from DNR Treecare extension officers.

Specialist advice is available to assist with farm forestry, larger scale plantation programs, or for projects where specialised outcomes are required.

For more information contact:

Brisbane - Ron Larson,

07 3234 1511

Nambour - Ashley Sewell,

07 5430 0967/910

Mobile 019 496 201

from - Between The Leaves

1998 Winter Edition

THE BUSHMAN'S WAREHOUSE

Ph: (07) 5494 3300

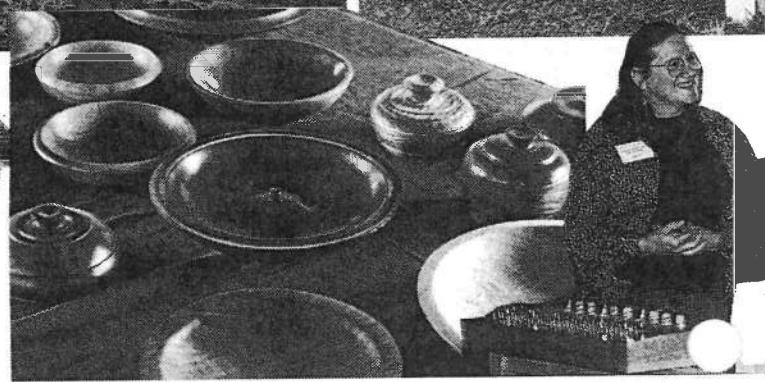
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FROM CHAINSAW...

...to Fine Furniture



What a list of volunteers! And what wonderful support they all gave to Barung as they worked in the lead up to *From Chainsaw To Fine Furniture*, and throughout the weekend. The Management Committee, the organising Sub-committee and the staff offer their heartfelt thanks. And once again we thank Ashley Sewell who gave Barung the initial idea for the expo.

For those of you who exhibited in or attended our third woodworking exposition, you already know the event was a great success. With 4,330 adults and uncounted children there was a constant buzz of excitement - matched by the buzz of the mobile sawmill demonstrations and the quieter hum of lathes. For those of you who weren't there, the standard of exhibits (always high) continues to rise. Our organisational skills improve as well and this year even the weather was better.

Amid all the pre-show bustle of setting up on Friday, Ashley Sewell, Randy DeGraw, Norman Austin and the Maleny Arts and Crafts Group took time out to talk to students from Maleny High School about growing native trees, salvaging and milling them on site, and turning the milled timber into functional and beautiful articles. This formal education program was followed by lots of informal landcare/farm forestry outreach over the weekend, as volunteers (including volunteering staff) at the various Barung/Department of Natural Resource displays did their best to encourage the planting of many more trees than those used in the work on display at the expo.

EXPO HONOUR ROLL OF VOLUNTEERS

Jenny Allen
Jake Austin
Faith Baigent
Bill Box
Joe Brisick
Ward Brisick
Pat & Peter Brunton
Mim Coulstock
Helen Cunningham
Maree & Randy DeGraw
John & Joan Dillon
Duncan Drew
Peter Erdmann
Lexy Forbes
Inger Fountain
Vivienne Fraser
Graham Hughes
Robbie Hammer
Dixon Hammer
Marcelle Holdaway
Neal Holmes
Craig Hosmer
Pam Hunt
Henry Hurst
Phil & Trish Jacobs
Greg Jendra
Julie Lehmann
Janet Lutje
Libby & Marek Malter
Oliver Malter
Hannah Malter
Lorraine McColl
Kerry McIntyre
Gillian & Neal McLeod
Bob & Judy Miller
Ben & David Miller
John & Trudi Muir
Ann Oliver
Barney Parker
Rod Phillips
Daryl Reinke
Andrea Rudd
Marc Russell
Ashley Sewell
Spencer Shaw
Sue Starling
Gary Swanson
Julie Trembath
Katrina Tuck
Elizabeth Verreyt
Jonathon Waites
Jenny Ward
Mark Warnick
Jim Watson
Glenys & Stephen Watts
Jenny Webber
Roger Westcott
John & Ronnie Wildman
Tony Wootton
Kath Zaiko



Exhibit highlights: Keith Patullo's incredible curved white cedar bench, a work in progress; Jim Svensson's bush hat-stand, complete with hat, water bag and axe; Randy DeGraw's camphor laurel mirror standing tall like a flame; Jack Wilm's amazing man in a cave of red cedar; Stanley River Music's guitars, dulcimers and psalters with the voice of angels; Glen Newell teaching Jake Austin how to use his newly acquired bow (a joy available only to those at the showgrounds before opening hours); Lou and Mick Lehtonen's baby smiling in the centre of their huge bush-style bed; John Gerritsen engrossed in his whittling; Absolute Timber's impromptu bus stand near the SES shed when some of their pieces turned out to be too big to fit inside; and so much more. Twenty-nine of the 38 exhibitors received votes in the 'most popular display' award - a good indicator of the incredible quality of the displays overall.

Favourite comments in response to our question 'what did you enjoy most?': the smell of the wood, the hammered dulcimer being played, the quality of the workmanship - an inspiration to us all, the variety and innovation, Barung's plants Maleny High School's delicious fruit salad.

Best review from a visitor: "How can you improve on perfection?" Nevertheless, we are already thinking about ways to make next year's event even better.

APOLOGIES IF WE MISSED ANYONE



with Jim Watson

Do It Yourself Re-Veg

In the last few years lots of our members have been diligently working to correct the natural vegetation on their properties. I also know that many more would like to start this important work but are a little bit intimidated by the seeming enormity of the task. In this article I will try to set out some simple steps to make the job easier. Basically there are four steps to the successful revegetation of your property:

Step 1 - Planning: Planning is everything. When planning the revegetation of your property start with your very best areas, the area with the most native trees, the area with the least amount of weed encroachment. By enhancing the least disturbed sections you give yourself a point to work from. Having established a starting point where possible, work towards another area of established native vegetation. This will create a link and increase the strength and size of your revegetation works. One important thing to remember: resist the temptation to take on larger areas than you can maintain. The maintenance period for rainforest plantings will be in excess of two years. Your ability to maintain your young trees in as weed-free conditions as possible will significantly contribute to the speed of your reveg becoming self managed.

Step 2 - Preparation: Preparation is everything. After doing the initial planning we now consider the best way planting is in an area clear and devoid of weeds and grasses. Grasses in particular are very competitive with young trees and as much as possible needs to be done to reduce competition between grasses and seedlings. Lantana and woody weeds should be cleared and poisoned. Remember when using the 'cut and paint' system on woody weeds that you only have a two minute window of opportunity to apply your herbicide after cutting the stem. After this two minute period the plant will seal the severed vessels in the stem making the uptake of the herbicide impossible. After clearing leave the area for a period of six weeks. This will allow regrowth to show anything that has been missed during clearing. This regrowth can then be treated prior to planting.

Step 3 - Planting. Planting is everything. Try to plant after rain. You need a good couple of days of rain to build up the soil moisture on your site. Trees should always be watered additionally when planting.

Barung recommends a two-planting technique for each site. Your first planting will be predominantly pioneer species, fast growing trees and bird attracting trees. One year later a second planting is added to fill gaps or replace dead trees. In this planting we add a vast number of species with which to mimic rainforest biodiversity and to contribute understorey and stabilisation species. By using this technique we ensure the fastest possible canopy closure times.

Marc and I are currently working on the initial planting species list for both rainforest and sclerophyll forest for each soil type on the range. These lists will be available from Barung very soon

Step 4 - Maintenance: Maintenance is everything plus. In the first six months of a new planting you will be astounded as to how many different sorts of weeds appear on your property. It's like being invaded. All this weed seed has been laying dormant in the soil waiting an opportunity to shoot. If you are using a chemical maintenance program you may need to spray as often as once a month. By spraying once a month you will quickly exhaust the seed source making later maintenance much easier. If you are using mechanical means, wippen-snipping and mowing etc, you will need to be much more vigilant. It's your job to deal with your weeds before they are able to set seed. If

seed does set, you will have to deal with the same weed next year so seeding prevention is vital. Barung will soon have the capacity to provide a licensed spray contractor for maintenance for reveg at a subsidised rate.

Congratulations to any or all of you involved in the revegetation of your own land. Remember that revegetation must be a superior form of that ancient relaxation exercise of gardening. Should you need any help with any of these steps or any facet of your own revegetation just give us a call here at Barung.

Entrance Site Update with Clayton Stokoe

Well-timed and abundant rains have seen the plant growth and survival on the Maleny Entrance and other sites planted as part of the BHP Range to Coast Project, to be excellent. Survival rates are as high as 97% in some areas and come down to around 90% in the worst. These rates should be expected in my opinion. The coming of winter and the degree of frost severity in the low spots may see an increase in losses - let's hope not too much.

What I would really like is some help with maintenance. People in town are watching this site and there has already been concern expressed about the weed growth. It is important for the Entrance Site and for Barung that the Entrance, being such a high profile site, be maintained and a canopy established as soon as possible. We have already had people involved in the planting offering their services to help with regular maintenance. It is important that town ownership be encouraged.

To foster this ownership, I would like to put together a group interested in being involved in on-going maintenance on both the Entrance Site and other small Range to Coast sites around the Range. If we have a regular maintenance team, we can reduce the amount of herbicides used on this site. We could do tree replacement, fertilising, weeding, tree care, talk about plant species, their utilisation and ecology and generally share personal insights to advance our understanding of the environment through one another.

I plan to start with a maintenance day on the Entrance Site on Tuesday, June 16th. We will be working all day from 9am, but if you can give even a couple of hours it would be great. Replanting and handweeding will be the agenda for this day. If you are interested in being involved either on the 16th or as a part of this on-going team, please call Mim at Barung to register your support.

See you
at the
Entrance
Site I
hope.

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BARUNG'S REVEGETATION APPROACH

Barung Landcare is committed to revegetation in the catchment of Obi Obi Creek and more generally in the catchments of the other river systems which rise within the drainage of the Blackall Range. The focus is on:

- * promoting the need for vegetation management and revegetation;
- * habitat conservation and restoration in the interest of biodiversity ;
- * improved management of resources, particularly soil and water;
- * control of nutrient runoff, including from rural and urban activities;
- * riparian revegetation to enhance water quality; and
- * re-establishment of habitat for the Mary River Cod.

The Management Committee has recently developed a consolidated Statement of Barung's approach to revegetation. This is a guide for on-ground activity which can also serve as a description of the common approach of members. The following is a summary of the key points of the Statement.

Principles:

There are several principles which underpin revegetation action. These include:

- * Responsibility rests with land owners and land holders, but community assistance is warranted.
- * Revegetation is not complete until the area is self managing, ie. maintenance is an integral part of revegetation.
- * The best possible use should be made of existing and remnant vegetation as a core for revegetation.
- * Ecologically sustainable technology is preferred where this is practicable for the site and circumstances.
- * Endemic species should generally be used and revegetation extends to habitat and ecosystem establishment for other flora and fauna.

Strategies:

The need for revegetation is beyond that which can be achieved with current resources and a strategic approach is required. The following strategies and associated actions should guide the projects undertaken:

- Enhance community awareness of the need for revegetation.
- Provide information and training for the development of an increased understanding of the action required.
- Promote revegetation by land owners and land holders and facilitate their action.
- Adopt a catchment based approach.
- Adopt the revegetation component of relevant catchment management strategies as a guide to needs.
- Establish the priorities for action with particular sites as the basis for the overall program.
- Cooperate and coordinate with other bodies and individuals undertaking revegetation.
- Promote joint ventures for enhanced revegetation where the opportunity is available.
- Utilise the most effective revegetation technology for the site and circumstances
- Continually review the technology available.
- Plan, document the technology applied and monitor each project.
- Update the technology and approach adopted in the light of experience and new knowledge obtained.
- Adopt a broad habitat based approach, including understory, grassland, food and shelter species as well as trees and shrubs.
- Operate a specialist nursery to provide stock of endemic plants at a price which is acceptable, but also generates funds for revegetation.
- Cooperate with individuals and bodies undertaking synergistic activities.
- Support relevant projects by others, such as nutrient run off control, enhancement of water quality and re-establishment of habitat for threatened species.
- Obtain adequate funding and resources to support an effective revegetation program.
- Seek funding for revegetation from government sources.
- Investigate opportunities to develop revegetation into a business, with the goal of achieving a surplus and utilising this to accelerate the program required.
- Encourage major corporations to undertake or sponsor revegetation on a significant scale.
- Lobby governments to invest in revegetation and directly or indirectly fund on ground action by individuals and the community.

Implementation

Many of the strategies and actions listed have already been adopted and will be continued. The adoption of others is in the early stages. Overall the strategies provide a framework within which each proposal for revegetation should be defined, tested for acceptance and assigned a priority. The approach outlined in the Statement should be regularly reviewed in the light of developments.

Follow Up

The full Statement is available from the Barung Resource Centre. A public presentation is being considered together with a suitable name or slogan to achieve public support. One option for a slogan to act as the banner for the statement suggested could be:

The right plant——in the right place——for the right reason——as soon as practicable.

John Dillon, Convenor, Barung Landcare Revegetation Sub-Committee



with Julie Trembath

been continued and that the young trees we planted this year are over 20 feet tall.

I leave Maleny to return to Northern Australia (where it's warm) to continue my work with ATCV in the never-ending battle to combat weeds and feral animals, and to conserve native vegetation and wildlife.

I would like to wish my trainees all the best for their futures. They have done an incredible job under harsh conditions, undertaking works that are very labour intensive and mundane on a daily basis. They are all incredibly clever and interesting people and I am quite sad to be saying goodbye as I have grown very attached to everyone of them. I will miss them all.

I am also going to miss the staff at Barung: Mim, Jim, John and Marc welcomed me like a long lost family member and made me feel like part of the team immediately. No one could ask for nicer and more dedicated people to work with and it is reflected in the fact that the Maleny Green Corps still have the ten trainees we started with 6 months ago.

Thanks also to the community of Maleny who have supported myself and my team and made us feel that our hard work is worthwhile and appreciated.

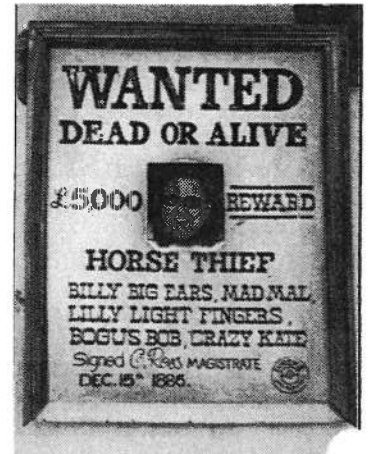
I hope to see you in the Northern Territory one day, so look me up and I will give you the Trembath Tour of the Top End.

Goodbye and Keep up the Good Work.

With only a few days remaining, it is hard to believe that it has been five months since arriving in Maleny from Kununurra, WA.

Thanks to the support from the fantastic staff at Barung and my 10 terrific trainees, I have had a wonderful time and the knowledge and experience gained have been invaluable.

I feel I can leave Maleny having positively contributed to conservation in this area and hope to be back one day to see that the work has



from Michelle Bond

On the 28th of May, the Maleny Green Corps team will turn up at the Barung Landcare Office for one last time. That's right, the Green Corps have finished their six month stint in Maleny and must move on to other things.

During the time that Green Corps have been in Maleny, they have achieved a number of conservation goals. The desire to improve water quality along the Obi Obi and increase remnant wildlife habitat has led to the planting of ten thousand endemic plants and the clearing of well over 2500 m² of herbaceous and woody environmental weeds. However the Green Corps Traineeship has done much more than simply fulfil these basic goals. It has provided ten young individuals with important teamwork abilities, refined communication skills, and a strong but positive attitude towards the conservation industry within Australia. TAFE training and Barung staff have also provided Maleny Green Corps with pertinent bush regeneration/revegetation skills, essential workplace health and safety knowledge, a first aid certificate and extensive plant identification abilities. These skills (coupled with the will to survive) have prepared each trainee to confidently leave the traineeship 'safety net' and move onto a new vocation. Whether this may be employment in this or another field, a personal project/venture, or further study is not important. A genuine concern for and dedication to the health and longevity of our natural environment is, however, and will be taken with us thanks to our Green Corps experience.

On behalf of the Maleny Green Corps team, I'd like to thank the wonderful staff at Barung, the township of Maleny and our supervisor Julie Trembath for their constant and enthusiastic support, their tolerance of our incessant chatter and the colourful memories which will be taken home by each trainee.

from Jeni Ward

"Green Corps is a Commonwealth Government initiative integrating young Australians and the environment. The program runs for 26 weeks and involve groups of ten young people aged 17 - 20 doing hands on conservation activities."

Well, I had planned to write an article for the newsletter since Green Corps started in December. I have finally done it Mim!

We have kept very busy over the past 6 months working on various projects around town, including the BHP Range to Coast Project as I am sure you are all aware. Other projects have included planting 2,500 trees at the sewerage farm to reduce nutrient runoff into the Obi Obi Creek; Ed Lawley's Revegetation Prize site, where the last of 800 trees are currently being planted; construction of a fence and walking track to protect the small patch of remnant rainforest at the showgrounds, where 300 trees were planted earlier; removing privet, camphor laurel and lantana from the Obi Obi Boardwalk in preparation for the Friends Of The Boardwalk 1 plant on 6th June, and many others.

Our achievements in the time that we have been working with Barung have included planting 10,000 trees, eradicating 2,600m² of weeds, constructing 100m of fence line and nearly

200m of walking track - not a bad effort! We have a l s o participated in TAFE modules including Vegetation Restoration, Environmental Audit, First Aid etc.

We were fortunate enough to have the opportunity of scoring an all



expenses paid trip to Fraser Island thanx to the hard work of the legendary Jim and Julie team. Not bad being on an Island of such beauty and being paid for it! It was great. Jim and Julie had transport, food and accommodation all organised, all we had to do was turn up. The one slight snag was 2 days of weeding with the very famous "Kenny". Our task on Fraser was to eradicate Gahnia grass, which although endemic to the Island, is becoming invasive in the Kingfisher Bay Resort gardens. It was not as easy as it sounds - as you can see by the photos at Barung, we were dragging it out by the truckload. On completion, we had time to see some of the Island including the beautiful Lake McKenzie in all its glory. A few of us went on a scenic flight - it was great to see just how big Fraser is and to get an idea of how the Sand Blows and Lakes may have been formed over time.



Fencing the remnant

We all agree that Green Corps has helped us become more environmentally aware. We have increased our knowledge not only through TAFE study, but mainly through hands-on conservation activities and learning through practical experience. We now realise that not all trees are on our side.

Green Corps has also made a social impact on us all, which is reflected in the following quotes:

"Personally, I have thoroughly enjoyed my work with Green Corps, and believe our team has been very successful as we have all ten trainees graduating which is rare to see," and as Dave put it.... we "have a phenomenal attendance record".

"The support and friendship we have shared with the staff at Barung, Julie and Jim has been the major ingredient in our success." "I have met a lot of wonderful people and enjoyed a variety of special experiences that I will never forget, and I am quite sad to leave."

I know now it is time to move on and I will have to look ahead to other exciting experiences on my mission with conservation work.

I guess you are all wondering what we will be up to in the near future. I shall continue with ATCV in the Northern Territory. Four of us will resume studying, two in the Conservation Industry; four of us have work in different fields; Jolyon shall be involved in setting up 'Green Care', a small business to act as a labour force for Barung, and one other trainee will be pursuing options with her writing and artistic talents. I am sure we will catch up in the future and let you all know how life is going for us.

I would like to thank everyone from the Starship Barung who have supported us and made Barung like a second home to us for the past six months (hey Mim).



THE REVEGETATION PRIZE

The winner of the Greening Australia/Barung Revegetation Prize was Ed Lawley of North Maleny. Ed has already put a lot of time and effort into revegetating his creek which flows into a tributary of Bridge Creek.

In April, Marilyn Connell of Greening Australia joined Barung committee, staff, Green Corps and other interested people for a Prize Presentation and field day at Ed's property.

Spectators were treated to a demonstration of a New Zealand machine which cuts, drags and then mulches large woody weeds such as privet and camphor, leaving the mulch on site ready to use.

The Green Corps have spent quite some time on the Prize site, before and after the field day, clearing weeds, removing staghorns from the privet and planting over 800 trees.



Ed Lawley and the Green Corps with Marilyn Connell at the Prize Presentation



The banks of privet at Ed Lawley's before 'the machine' got to work and after!!





Mary River Cod Community Network

with Wendy Gillespie

Mobile: 015 758 402
Phone/Fax: 07 5474 1423
PO Box 604
TEWANTIN Q 4565

Hosted by: Barung Landcare
Supported by: Environment Australia,
Threatened Species & Communities Section

It has been a whirlwind month touching base all around the catchment.

A bus trip with the Mary River Catchment Coordinating Committee to the upper catchment was a great insight into river restoration activities being undertaken.

Gympie Landcare held a riparian field day at Glenda Pickersgill's property. Glenda has done a fabulous job of mapping priority cod habitat throughout the Mary River system. In addition she is a grazer and has a 100 acre property south of Gympie, bordering the Mary River and Kandanga Creek. The field day enabled guests to identify riparian vegetation species including weeds and to observe direct seeding demonstrations. Information

sessions were held on cod recovery and habitat, riverbank restoration and grants. The day was topped off by a canoe trip identifying aquatic weeds, riverbank erosion issues, and allowed some pent up energy to be released.

Being show month, displays were held at the very successful Chainsaw to Fine Furniture Expo organised by Barung, as well as at the Gympie, Maryborough and Maleny Shows and at Kilkivan where the great horse ride culminates.

The Six Mile Creek Riparian Restoration Project, a cooperative project undertaken with Noosa Landcare through their Corridors of Green funding, has held public information nights resulting in over 20 landholders keen to be involved in

riverbank and cod habitat restoration. Site assessments have almost been completed by Dave Burrows.

Schools are being invited to be actively involved in Cod Recovery, with information packs sent to 37 schools. Incorporation of cod recovery activities include "Adopt a Riverbank Stretch", "Meals on Wheels For Cod" to support the hatchery, and general information on cod habitats and needs. These will hopefully become extensions of the current school Waterwatch Program. Other groups such as Scouts and C... Guides shall be encouraged to be active in Cod Recovery throughout the catchment.

If you would like particular information on cod research and recovery, please phone me on 5474 1423.

What Is A Wetland?

In researching the definition of a wetland one first discovers the extraordinary number of different types of ecological systems that can be referred to as wetlands.

Freshwater Wetlands include:

marshes, swamps, floodplains, tidal fresh water swamp forests, peatlands, lakes, lagoons, billabongs, boggomosses, streams, creeks, rivers and artificial.

Saltwater Wetlands include:

marshes (tidal salt marshes), mangroves, swamp lakes, estuaries and artificial wetlands.

The International Union for the Conservation of Nature and Natural Resources defines a wetland as "areas of marsh, fen, peat, land or water, whether natural or artificial, permanent or temporary, in which water is static or flowing, fresh, brackish or salt including areas of marine water the depth of

Barung Landcare is seeking a 'new second-hand' fridge which can store crayfish for the Meals On Wheels For Cod Project. If you can help, please contact John or Mim at the Barung Office

which at low tide does not exceed 6 metres." Wetlands can be referred to as lotic where the water is primarily flowing, or lentic where the water is intrinsically static. According to 'Wild Places of Greater Brisbane' a wetland is defined as: "an area of land that becomes either permanently or temporarily inundated by water and typically is low-lying or swampy. There are two types of wetland - freshwater fed by creeks, rivers and rainfall; and tidal, which as the name suggests, are under sea water for at least part of the day."

In Australia, wetlands have not been extensively studied or described and as a

result particular features that identify and characterise the various types of wetlands we have, have not been fully documented.

As we continue to grow as a nation, we will become more and more reliant upon wetland systems to assist in managing our waste and pollution.

This is extremely important. By studying these systems and understanding them we will be in a far better position to define them and their functions.

We can then apply them as management tools for our benefit, so as to be able to live in a healthy environment, as well as for the preservation of these unique and intricate systems that contain a wide diversity of animal and plant species.

Cameron Trail 1997

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FRIENDS OF THE BOARDWALK TREEPLANT

Do you use the Boardwalk?...to walk the dog? to get to the Showgrounds? for R & R? to have lunch in a quiet relaxing environment? If you fit any of these categories or use the Boardwalk for any other reasons how about coming along to help at a treeplant on the Boardwalk from 9 - 11 am on Saturday June 6th.

We want to plant out an area which has recently been cleared of privet and other woody weeds and to begin putting some understory species under now established trees. We also want to use this creekbank site as a trial area for learning more about frost tolerance and other aspects of revegetation.

The other benefit of course of putting in more plants is to help with the on-going weed control problem. Weedbusters do a great job, but it is pretty hard for them to keep up with the growth and the more bush we put back, the easier the weeds will be to control.

So please - if you appreciate the work that has already been put into the Boardwalk, keep a couple of hours free on June 6th and help make a difference for the future.

WEEDBUSTERS' REPORT

with Linda Ivezic

April 4th's weedbusting was a productive couple of hours with eight volunteers who worked on the slope and creebank below the RSL Hall. A mountain of weeds resulted and everyone felt greatly satisfied with a good job done.

We skipped May's usual session because it fell on the Expo weekend. Some of us were able to put in a good few hours of voluntary time at the Expo instead.

To make up for missing weeding, many very keen weedbusters turned up the following Saturday!! Good on you all! I was unable to make it myself, but I was impressed by everyone's on-going enthusiasm.

Jim Watson has continued his fascinating Weed I.D. Workshops. Everyone is welcome to join us. There's never a shortage of weeds to talk about. Please see Barung's Calendar of Events for the next weedbusting dates.

Next month, June 6th will bring the first get-together of the "Friends of the Boardwalk" (See article later in Newsletter)

WEED OF THE MONTH

CAT'S CLAW CREEPER

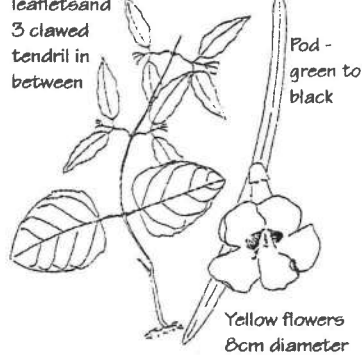
This month's weed is Cat's Claw Creeper, *Macfadyena unguis-cati*. Barung has recently had several requests to identify this pest because it is showing itself off at the moment with its big yellow flowers.

Information on this weed has been scant, nevertheless it is a serious problem as a major perennial weed in riparian zones. The DNR categorises Cat's Claw Creeper as an environmental weed i.e. a plant that has formed wild populations outside its natural range. Environmental weeds are a problem because they can replace native species in local habitats and destroy habitat for native wildlife.

This is just what Cat's Claw Creeper is doing. It can climb more than 30 metres, smothering native vegetation as a result. At ground level, runners form from each leaf node. These become a thick carpet of stems and leaves which cover existing forest floor vegetation, thus reducing the ability to germinate new plants. Sounds nasty, doesn't it?

Cat's Claw Creeper was brought to Australia from South America as an ornamental creeper. At present its distribution is within coastal and sub-coastal Queensland and NSW. It is in the family of BIGNONIACEAE and is the only species from this family that has escaped from cultivation. *Tecoma capensis* is from the same family but has not become a problem at all. It is very commonly used around Maleny as a red-flowering hedge.

The name 'Cat's Claw Creeper' comes from the three-hooked tendrils that grow between each pair of leaflets. It is these prongs that hook onto existing vegetation and allow the creeper to climb vertically towards sunlight. They are unmistakable.



The flowers are bright yellow and bell-shaped and measure about 8cm across. Long narrow flattened pods, green when young, produce transparent winged seeds which are released when the black mature pod splits. Wind and water disperse the seeds which then germinate in bare areas, mostly under low light conditions. The plant particularly enjoys fertile disturbed areas along water-

ways - perfect conditions for rampant growth. The woody stem can grow to 15cm in diameter. Dark green leaves grow in pairs, one each side of the stem and each leaf divides into the two ovate lance-shaped leaflets already mentioned. Root tubers and stolons form in the second year and can form at each leaf node while the vine is growing on the ground. You can understand how such a thick carpet of runners develop from this prolific growth.

CONTROL: There is no known biological control unfortunately. Hand-pulling established seedlings is ineffective because of the tubers.

CHEMICAL CONTROL: Cut stump one metre above the ground when the plant is in vigorous growth. Spray all of the plant and cut with a glyphosate/water solution consisting of 1 part of the 360/1 product to 100 parts of water. Remember that the chemical will impact any trees or grasses in contact with the spray. Pull the vine down and spray on the ground to minimise spraying of the foliage.

The problem of Cat's Claw Creeper has recently been recognised as being so important that Gympie Landcare has obtained funding to employ a part-time Cat's Claw Creeper Project Officer. Gympie Landcare has funds available to offer landholders in the Mary River Catchment assistance in eradicating this weed.

Thanks to Barbara Cutler, Cat's Claw Officer, Gympie Landcare for much of this information. (Barbara Cutler, Ph/Fax: 4129 2268)

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MALENY-KENILWORTH ROAD, CONONDALE

This widespread species is usually one of the first local rainforest trees that we learn to recognise. Black Beans have a glossy compound leaf which smells of cucumber. It is the biggest bean plant in the world, growing up to 35m (Family Fabaceae). Its characteristic seed pods, up to 30cm long, are beginning to drop now, so if you're in the bush and it's windy, stay alert, these seeds could kill! If you survive the walk, you may like to bring some seeds back to propagate in the Barung nursery.

Black Beans are quite common in rainforest areas, particularly along creekbanks, where the large seed are distributed by flowing water (the seeds are too big to be carried far by wildlife).

These magnificent trees provide dense shade and are a valuable food source and habitat for a variety of wildlife. Their nectar rich, red and yellow flowers appear in Oct/Nov attracting lorikeets, possums and bats. Seeds drop from May to July, and are eaten by small animals, who stow them away in little hidy holes.

Black Bean kernels are also known as Moreton Bay Chestnuts.

Although they are poisonous to humans they were a staple food for indigenous Australians. Seeds were cracked, soaked in water for 8-10 days, dried, roasted and pounded, then soaked again in running water. This process was repeated several times to remove toxins. The meal was made into cakes and often traded with settlers.

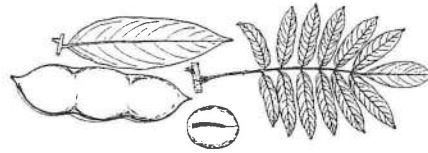
The dark walnut and highly figured timber is used for cabinet making, turnery and veneers. Before the plastic era, the wood was used for radio cabinets and electrical

switchboards.

Legumes are essential plants in any natural forest system. As such Black Beans play an important role in nitrogen fixation (taking nitrogen from the air and storing it in the soil).

Because Black Bean trees are so large, they are not ideal for small yards. They are toxic to cattle and other grazing animals, so should not be planted as shade trees for stock. However, if you have room, they bring a lush, richness to your garden or property and help sustain a variety of native fauna.

Seed to collect June/July
Black Bean (*Castanospermum australe*)



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