

Permaculture Cairns Inc. Established July, 2007

Web site: www.permaculturecairns.org.au

Permaculture Cairns News

Empowering communities with sustainable solutions

Care for the Earth, Care for people, Share the excess



Care of the Earth, Care of

People. Share the excess

SEPTEMBER Public Info & General Meeting **Night**

Tuesday 17th 6:30pm for 7pm start.

Flexible Learning Centre, 90 Clarke Street, Manunda

Clarke Street comes off Hoare on the Salvos Corner. There is wheel chair access.

If you can spare the time, come early (6.15) to help us set up tables and chairs.

Members please bring a plate of food to share for dinner, or make a small donation towards the refreshment costs.

OOH! and bring a friend, all welcome but !

Financial Members are free. Un- financial members and non members pay \$5 for the info night and dinner

SPEAKERS for this month's meeting:

Members of the Permaculture Cairns Management Committee.

They/We will explain what they do in the Permaculture field, for example - Jaide and her partner Daniel have been conducting composting trials in Karumba and also recycling organic waste in Mareeba by making King Brown Compost.

Lania and Leon have been working on a project at the James Cook University.

Tegan has started a business "Garden of Tegan" providing people with mobile edible gardens. Tegan is also into Marketing so will give us some tips on how to improve sales.

Carol has been conducting a soil improvement/enrichment trial in the Mareeba area, converting an area of very poor land into productive soil.

Bruce has been working in Wujul Wujul helping to establish a food garden.

Members are also encouraged to contribute by letting us know what they are doing on their properties. What worked and what didn't.

LAST MONTHS' GUEST SPEAKER Peter Thomas, the proprietor of Performance Mowers and Chainsaws in Anderson Street Cairns. He has been in the motor industry all his life and did his apprenticeship in Cairns. He has specialized in small engine driven tools and machinery in the last 10 years. His emphasis was on the short life of our present day fuels and the problems they cause in small engines. His tip was to only buy in small amounts (5litre) and use this before buying more. Thanks Peter

The 12 Principles of Permaculture **as written by David Holmgren.**

Principle 9. Use small and slow solutions

“The bigger they are, the harder they fall” “Slow and steady wins the race”

Small and slow systems are easier to maintain than big ones, making better use of local resources and produce more sustainable outcomes.

If you would like to know more about David Holmgren's Principles and Practices of Permaculture see them at <http://permacultureprinciples.com>

from the Management Committee

Permaculture Cairns members have the opportunity to access the Permaculture yahoo group when they join. Robert, the Administrator will email you to see if you are agreeable to receive emails from the permaculture cairns yahoo group. The group has a forum for questions and info. Late news items not received in time for the Newsletter will also be sent through the yahoo group email so it pays to be a member.

Tegan , Bruce and Leon are the organisers for the Monthly Meetings if you have something to add to the meetings please speak with one of these great people. Ideas for Guest speakers are welcome.

NEXT SKILLING WORKSHOP will be in October

Once again this month has been a very busy month with lots of events taking place, personal ones and others and has therefore been difficult to find a free Saturday for a workshop.

New\$ items\$

Professor David Bellamy visits Australia

Britain's world-renown botanist, environmental campaigner and broadcaster, Professor David Bellamy, OBE, has had a love affair with Australia ever since he was a little tacker growing up in London's East End.

His most notable visits to Australia involved the long and hard-fought battle to save Tasmania's Franklin River from being dammed. He was arrested (along with Australia's first Green MP, Dr Bob Brown) in the 1980s protesting the dam proposal in front of a television audience of millions and spent his 50th birthday in Hobart's Risdon Prison. His most notable visits to Australia involved the long and hard-fought battle to save Tasmania's Franklin River from being dammed. He was arrested (along with Australia's first Green MP, Dr Bob Brown) in the 1980s protesting the dam proposal in front of a television audience of millions and spent his 50th birthday in Hobart's Risdon Prison.

ECO-TOURISM

Prof Bellamy also explained the importance of conservation in relation to eco-tourism and the value of eco-tourism dollars to a local economy. "The Noosa region gets 1.7 million visitors a year, and our Lake District in England gets 23 million a year. The Lake District is another recognised Biosphere – buildings aren't even allowed.

"To get the right balance in an environment, you have to have the right things in the right place – and Noosa is the right place," he said.

"A biosphere reserve is a region where people live in harmony with natural history – this is the answer to all the world's environmental problems," Prof Bellamy said. "In this Noosa Biosphere there are whales, gliders, koalas, so much more – it is very special, a wonderful coastal world that hasn't really been heard about.

"A biosphere must be studied so that diversity doesn't disappear, so that your grandkids can enjoy it. A biosphere reserve will bring in more and more tourists, so community leaders and businessmen should 'brand' it as something really special," he said. The Noosa region is one of 531 global biosphere reserve sites recognised in 102 countries.

Prof Bellamy told the dozens of biodiversity student ambassadors at the high school workshop that 'you've got the whole world in your hands'. "And after listening to your talks today, I can honestly say that my job is done and now I can retire because the world is in good hands," he said.

GLOBAL WARMING

Professor Bellamy reflecting at Noosa National Park . . . 'We are all capable of making a difference . . .'

He believes that global warming is part of a natural cycle and there's nothing we can actually do to stop these cycles. "The world is now facing spending a vast amount of money in tax to try to solve a problem that doesn't actually exist. And my opinion is that there is absolutely no proof that CO2 has anything to do with any impending catastrophe," he said.

“Mother Nature will balance things out, but not if we interfere by destroying rainforests and overfishing the seas. That is where the real environmental catastrophe could occur. I’m sceptical about man-made climate change. There’s absolutely no proof that carbon dioxide will kill us all. It’s not a poison. It’s the most important gas in the world. Carbon dioxide is an airborne fertiliser. How can farmers grow increasing amounts of food without a rise in carbon dioxide?

“This world of ours is in a fairly appalling mess. We have known this for quite a long time, but decades of knowledge hasn’t really slowed down the destruction of sustainable lifestyles, tropical forests, coral reefs and other seriously threatened habitats. The once-starving people of parts of the Sahel and Sahara deserts have returned to farm their lands, thanks to the shade of trees that now grow on some 300,000 square kilometres of their tribal lands, thanks in great part to rising levels of carbon dioxide,” Prof Bellamy said. “We are never going to save the world by begging bowls.”

The secret is the maintenance of biodiversity across the planet. Saving vast areas of rainforests and wilderness areas from being ‘flattened’ and turned into agricultural land to feed the growing world population. Great rainforests in countries such as Ecuador, the Amazon Basin and Indonesia are under threat.

On a less grand scale, Prof Bellamy also enthuses local populations that they can make a difference in their regional areas. For example, he is renown for his conservation work with more than 620 holiday parks across Britain. Under his lead, these parks hosted the David Bellamy Conservation Award for their work in protecting and enhancing Britain’s natural environment.

Prof Bellamy said the variety of work done by these parks was “phenomenal” – from the creation of new wildlife meadows and woodlands to the construction of solar-powered shower blocks and energy-efficient lodges made out of recycled plastic, parks are active across the country. “These days I travel the world and meet people who are fed up and sick and tired that our values are disappearing,” he said. “But we are all capable of making a difference. Mankind must live in harmony with the environment and protect our wildlife habitats, so that we will survive as a species.”

Reducing the use of energy, water and other resources; reducing, reusing and recycling waste products go hand in hand with conserving the environment. And this old environmental warhorse will never retire from this important conservation work. He is on too many environmental and humanitarian boards to stay under the radar for any length of time – and since his work is his life’s passion – retirement isn’t an option. “I truly have never worked a day in my life,” Prof Bellamy said. “When what you do is your passion, you never think of it as work.”

Should Cairns and District be made a “Biosphere Reserve” also?????

EATING HOLLOW CALORIES

DR ARDEN ANDERSEN Ph.D., D.O.,

Crossroads Healing Arts, Goshen, Indiana. USA

Rudolph Steiner nailed it well in 1922 when questioned by Ehrenfred Pfeiffer why, in spite of all the teachings, seminars and lectures espousing an holistic approach to life and health, did so few people grasp the spiritual and lifestyle concepts. Steiner's response was succinct: the food today does not contain sufficient nutrition to allow the brain to work in a more spiritual/holistic awareness.

ECONOMIC decline, financial collapse, business fraud, market manipulation and monetary promiscuity have become the norm of the 21st Century. Political 'science' has been substituted for real science. Common sense has been kicked to the curb and the old Marxist/Stalinist manifesto has resurfaced sugar coated in the name of 'change', 'free-trade', and 'economic stimulus'. Obesity, cardiovascular disease, diabetes, cancer, Parkinson's and Alzheimer's have become household names affecting over 50 per cent of the American and Americanized population. Crime, deviant behaviour, cultish communities, fear, hatred, suicide, depression and anti-social behaviour have become so common that much of society is completely desensitized to such behaviour, television shows that promote such behaviour thrive and huge industries have sprouted up to ally with it.

Dr Charles Northern, a gastroenterologist, read into the Congressional Record in 1936 that the nutritional value of our food, correlated to nutritional decline in the soils and to the disease states experienced by the consumer. Nutrition in our food has steadily declined since 1922 as evidenced by USDA food testing data. The total number of calories consumed by Americans has increased significantly, but, the actual nutrition consumed has declined. Americans are eating hollow calories.

We are living in a time of significant and declining food quality especially when food quality is defined by nutritional value of the food. Most standard food quality parameters are limited to looks, size, uniformity and pathogen free regarding fruit and vegetables; butter fat, protein, volume, somatic cell count, bacterial count in milk; test weight, kernel size, chaff, protein in grains; protein content in hay. protein for all these commodities is essentially just a measure of nitrogen content multiplied by a factor, usually 6.25, rather than an actual analysis of protein.

Every farmer should have a refractometer'

Regardless of the actual year's standard we are using, it is a goal for which the farm should strive. Unfortunately testing costs money, time, and labour, consequently testing is talked about by farmers and consultants but it doesn't get done. A very simple and inexpensive field test for nutrient value of a crop is the brix reading of the sap or juice measured with a refractometer. This is a test that can be done daily and correlates well to crop nutritional quality. I recommend that farmers not spend a lot of money testing their crops for minerals and vitamins in a lab until they achieve minimal brix levels for the crop. Minimal brix level crops won't challenge the 1970's or 1940's USDA nutrient standards. These higher levels of nutrients require good to excellent brix values. Every farmer should have a refractometer and use it regularly, know what his/her crops are running and if the brix values are not improving then change the fertility program.

Dr. Andersen's role at Crossroads lends to his diversified and successful career. In addition to his medical degree earned from Western University of Health Sciences, Dr Andersen holds a Ph.D. in agricultural biophysics and is the world leader in the field of sustainable agriculture earning him an open invitation to lecture at the University of Western Australia in Perth and is regularly interviewed by the Australian Broadcasting Company. Dr. Andersen also serves his country as a flight surgeon in the US Air Force Reserve at Grissom Air Base, receiving the Air Force Commendation Medal and Warrior Creed Award. An author of five books regarding agriculture and health, Dr. Andersen established his initial medical practice at the Born Clinic, Grand Rapids, Michigan and is an expert in specialty services such as Prolotherapy

GM and Science - Tim Marshall

(from Acres Australia June 2013)

In the case of GM, we could be introducing things into the field that are impossible to recall. In my view that requires extra caution.

I think a reasonable science response is to create a publically accessible research database and a regulation process that includes epidemiological studies for each new gene that might be ingested through food.

I think that the idea I should not even be informed on the packaging, to allow me to exercise a normal right of choice, is completely unacceptable.

My local organic store and supermarket are both happy to accommodate the widest range of food choices. I can hunt the labels on their products and find organic, kosher, halal, sulphur free, gluten free, nut free, free range, and freedom from all sorts of other ingredients or additives, and products that are 'not tested on animals,' all labelled clearly for my attention. The stores I frequent want to be able to allow me to choose GM free too, but they might not be able to in the future.

If a farmer who dearly loves his land and profession, and cares about his product and his downstream customers as much as Steve Marsh does, can't keep GM out, then we have conceded a massive hole in our food safety system and in our right to choice.

Steve was the first farmer in Australia to lose his organic certification due to GM contamination. Steve lost his access to premium priced organic markets, not because of anything he did but because science released too early from the lab could not be contained on his neighbour's farm.

Anyone who cares about choice, including people who are themselves prepared to eat GM, should be rallying to Steve Marsh's side, and the cause of many other farmers, and consumers, who are not yet ready to eat novel, unproven and sometimes suspect gene combinations from the Franken labs and Franken farms.

Don't even start on the old myth about feeding the starving millions. I have seen first hand desperately poor families in undeveloped countries and in war zones. Starvation from drought or flood does occur, and deserves our assistance, but most starvation arises from loss of access to land by political circumstance, or armed conflict of one type or another.

That old example of the vitamin A improved GM rice for instance, is a terrible furphy. The GM specialists want farmers to discard their old reliable varieties for a narrow selection of cultivars, when one would need to eat quite a few bowls-full to obtain the vitamin A in a tablespoon of chopped parsley. The parsley delivers not only vitamin A, but a range of other nutrients, antioxidants and health-supporting components, in a whole food that is easy to grow.

In the end what my lot, the 'emotional' cohort of anti-GM campaigners, really want and are calling for, is publically available, peer reviewed, evidence based science that establishes the safety of GM products before we have general release of more GM products. How is that unscientific?

Wes Jackson has another interesting turn of phrase when he describes himself as, "*An intellectual pessimist and a glandular optimist*". I guess you could say that his glandular optimism 'comes from his genes' – that is the ones he was born with, not the ones he acquired through his diet.

Personally, I find a range of both intellectual and 'glandular' reasons to be distrustful of GM, and I don't like the suggestion that either of those routes are not legitimate or worthy of response.

BIOFERTILIZER - Eugenio Gras from Mashumus an article from Acres Australia national newspaper of sustainable agriculture)

Eugenio's biofertiliser is a ferment made from fresh cow dung or rumen contents, dissolved in water and enriched with whey or milk, molasses, bone and wood ash, rock dust. He sometimes also includes mineral salts, such as sulfates or oxides of Mg, Zn, Cu, and more.) The brew is fermented for several months in an anaerobic process. The final solution contains chelated minerals, biocatalysts and microorganisms.

To create soluble phosphorus, Eugenio takes animal bones which are high in calcium and phosphorus, and burns them. The ash is phosphorus and mineral rich. "The industry charges you \$50 a kilo for soluble phosphate and how much does a bone cost you? Every farmer has a cemetery and they are for free!" he says.

Other wood ashes and rock dust can be added, to increase the diversity of minerals. The mixture undergoes lactic fermentation, which chelates the minerals. "Four thousand minerals have been classified. That's the number that plants have had available for 400 million years. Then we come along and say 'no, the only thing you need is NPK'. We now know it is not the amount of the mineral, but its presence that is important. We found when you bring rock dust into the biofertiliser, the diversity is much greater and you don't need to buy in those expensive sulphates anymore. We also use small quantities. If you have grapes with a zinc deficiency, then you can add one kilogram of zinc to your starting ingredients. It will chelate and you will end up with biofertiliser enriched with zinc and an array of other minerals," Eugenio says.

The key is the lactobacillus bacteria, which predominates in the cow rumen and is anti-pathogenic. Industry sells the bacterial culture, but Eugenio says it is cheaper and more effective to use locally collected strains. Fresh manure, straight from a cow or calf, or the rumen contents from a culled cow are the best sources. "If you study calf shit, it is almost pure lactobacillus, so instead of buying from the industry you can make your own straight out of the pasture.

The rumen pouch is the best, because we know the bacteria are alive”.

Eugenio says farmers must be building the soil at the same time; a process which takes much longer and involves green manuring, crop rotation and maintaining soil cover. “It is a tripod. You may have a diversity of minerals but you need the soil biology and the organic matter, or the system won’t work. We need to get the three prongs together – microbiology, organic matter and minerals,” he says. In the meantime, as Latin American farmers have discovered, plant defence is the best form of attack.

“Biofertilisers will contain a lot of living compounds and minerals that are soluble. What we are doing is decoding what industry is doing, but in a biological way, not a chemical way. We use a microorganism – lactobacillus – which is found in the digestive tract of cows. These bacteria are very good at extracting minerals from organic matter.

EUGENIO’S recipe makes enough to cover one hectare.

- 40 litres of fresh manure or rumen contents
- 2 litres of molasses (a food source for the lactobacillus)
- 2 litres of whey (whey is a culture, it acts like a super food and will rapidly take the bacteria from a non-productive phase into a reproductive phase)
- 200g of dry yeast or compressed yeast (acts as a starter for the fermentation process)
- 5kg of mineral component (rock dust, ashes, bone ash – either, or in any combination; higher amounts of bone will give more phosphorus)
- 140 litres warm water (not chlorinated) at 25-30 degrees Celsius.

METHOD:

Stir the mix well.

Mix all together in a large 200 litre drum. Make sure there is a gap of at least 20cm between the top of the drum and the liquid below.

Stir well and close the lid, but use a valve to make sure the gas can escape.

Eugenio uses a plastic bottle filled with water and attached by a tube, so the gases can bubble through.

Leave it for two months. It will be a clear amber colour and smell fermented, not putrid. Strain and dilute.

Mix five to ten litres of the biofertiliser in 100 litres of water.

Spray in the early morning or evening for best results (plant stomata are at their most receptive) and cover the undersides of leaves if possible.

Some of the end product can also be used as a starter for the next batch of biofertiliser.

From Department of Agriculture, Fisheries and Forestry

Help us eradicate electric ants

What are electric ants?

The electric ant, *Wasmannia auropunctata*, is an exotic pest ant that is only found in the Cairns region of Australia. It is one of a group of ants known as tramp ants that tend to move by hitching a ride with humans. The electric ant is considered to be one of the world's top 100 worst invasive species. They are a serious environmental, economic and social pest causing a decline in diversity and abundance of invertebrates, vertebrates and some plants due to predation. Originally from South America, the electric ant has become established in other tropical regions, including the West Indies, south-eastern USA, West Africa, New Caledonia, Solomon Islands, Vanuatu, Tahiti, PNG, Hawaii, Australia, and now Guam.

What do they look like?

There are several ways that electric ants can be identified. Workers are:

- 1-1.5mm in length, light brown to golden brown in colour
- Deliberate but slow moving, usually forming distinctive foraging lines.
- They tend to use man-made objects as pathways, e.g. fence lines, concrete edges, coppice logs, sleepers etc.

If you find a suspect ant you can:

- Call 132523 and ask for a free yard check or sample pick up. Or,
- Bring a sample in to the DAFF office at 21-23 Redden Street, Portsmith.

Where are they found?

Electric ant was first confirmed as present in Australia in Smithfield in May 2006, although they were thought to have been there for at least three to four years before detection. Since then electric ants have been found in many of the Cairns northern beach suburbs, as well as Port Douglas, Kuranda, Redlynch, Brinsmead, Kanimbla, and most recently Bentley Park.

Because they do not form distinctive nests they can be very difficult to spot. Electric ants do not dig holes but prefer to nest in or under objects. The most common areas of a property that electric ant can be found are:

- In garden beds under the leaf litter, in or under logs, stones, bricks and blocks
- In or under pot plants
- In or under garden sleepers
- In trees, especially fruit trees or those with epiphytes
- Around water, such as ponds, pools or outside taps
- Along fence lines, concrete edges and other man-made pathways
- In or under other things left in a garden for any length of time.

How are they spread?

The most common method of electric ant dispersal is through human assisted movement and in Cairns this means movement of infested pot plants or other high risk materials. A high risk material includes:

- Plants or plant related items such as pot plants, cuttings, tree cuttings and garden waste
- Soil or anything with soil attached such as turf, fence palings, star pickets etc.
- Containers such as bins, bee hives, cartons, pots and garden sleepers
- Mulch, baled hay or straw
- Waste material other than soil, such as building wastes and other material extracted from the ground

- Equipment used for disturbing the soil or in construction, such as earthmoving machinery, gardening tools, formwork and skip bins.

The majority of infestations in the past have been traced to the inadvertent movement of contaminated pot plants or the illegal dumping of green waste.

So, what can you do?

To prevent the unintentional movement of electric ant, if you are buying, selling or swapping plants please either:

- Ring 13 25 23 and ask for a free plant check prior to your purchase/sale/swap
- Spray the plants with an insecticide. The electric ant program has permits to use the following active constituents:
 - Cyfluthrin as a liquid pot plant drench – sold as Yates Baythroid Insecticide in 250ml or 500ml (approx. \$37) containers and is available at local hardware stores.
 - Chlorpyrifos as a liquid pot plant drench or dip (to be used by commercial nursery persons only)

Please read product labels first and apply as per label instructions. The product should not be used for any purpose or in any manner contrary to the label specifications unless authorised.

If you would like any other information please call us on 13 25 23 or visit our website at www.biosecurity.qld.gov.au

From CSIRO

ATLAS OF LIVING AUSTRALIA CELEBRATES 40 MILLION MILESTONE

The Atlas of Living Australia has achieved a significant leap forward in bringing Australia's biodiversity information together online, making it easy to access and analyse.

The Atlas now provides immediate access to over 40 million reliable and verifiable information about Australia's remarkable **biodiversity** and lets us share this information with the world.

The Atlas is also calling for citizen scientists to upload their own photos and sightings of Australian species and is crowd sourcing digitisation of field notes, diaries and specimen labels held by museums and collections.

The records in the Atlas can be put to many uses, from simply looking up species or finding out what species occur at any location in Australia, to informing pest management, helping revegetation groups understand what species to plant and predicting species distributions in the future.

The Atlas of Living Australia is a partnership between CSIRO, Australia's Museums and herbaria, biological collections, research organisations, universities and government departments.

Check it out at - <http://www.ala.org.au>

Date claimers

LEAST HOUSE NECESSARY workshop:

THURSDAY 19TH SEPTEMBER 5.30 -7.30PM

City Library – Presenter Shaneen Fantin, People Orientated Design – Free of charge
Enquiries and Register at – sustainability@ Cairns.qld.gov.au

From Planning and Environment - Cairns Regional Council

Biodynamic FNO

Michael Roads weekend 21st and 22nd Sept.

The Evolution of Consciousness in Nature and Humanity – 9.30am to 4.30pm – Merrilands Hall
Cafeteria, Robert Street, Atherton. More info: Cheryl Kemp 4095 1119, Lisa Price 4097 7837
Karen Murray 4096 2067, Tim Fisher 4096 2150

LETS September Calendar

Sunday 15th - 11am-3pm - Cassowary Coast Trade & Social Gathering at Johnstone River

Community Garden, 19 Flying Fish Point Road. Bring a plate to share, something to cook on

the BBQ if you wish, your own plate and eating utensils. Lunch will be at 12 noon.

Tea/Coffee by

gold coin donation. A child-friendly venue. **Contact Suari - 0403115261.** Car

pooling/collection

service encouraged from the Tablelands and Cairns!

Tuesday 17th - Doors open 7pm for a 7.30pm start - Film Night at The Closet Hippy shop

in Malanda. *One Man, One Cow, One Planet* - What does an environmentally friendly biodynamic food system capable of feeding everyone actually look like? This film is a blueprint

for post-industrial future. It takes you into the heart of the world's most important renaissance"

Refreshments available to purchase (please support our hosts), bring a small plate of healthful

finger food to share if you wish during the film. **Entry by donation of \$/B. Phone The Closet**

Hippy shop - 04 3864 2498.

Tuesday 17th - 6.30pm - LETS Trading is encouraged at Permaculture Cairns meetings at

the Flexible Learning Centre, **90 Clarke Street, Manunda.** Cost for non-members to attend is \$5 for info session, supper and film etc. **This is a Permaculture Cairns Event**

Saturday 21st - 10am -1pm Kuranda Trade day at the **Original Kuranda Market** near the Real Food Network Area. Come and see the 100% BartleLETS Shop! Email Twiggy for more info sacredearthintention@gmail.com

Saturday 21st - 2pm - 4pm Malanda Trade Afternoon Mary & Mathieu's place. 7 Cleminson Close, Malanda. For more info contact Mary 4096 6651

Sunday 22nd - 10am-12noon - Millaa Millaa Trade at Lion's Park, Main Street (undercover area, below playground). Bring a picnic rug or chair, lunch and drinks (De Millaa Cafe is also very close by) Trading Record Sheet and pen, any goods you wish to trade, promotional material of any services you are offering if applicable. Children and friends most welcome, your ideas for how we can support each other and build the LETS network here.
Contact kate.martignier@gmail.com or **0429 925 246.**

Thursday 26th - 6-8pm Trade Evening at The Octupi Garden Sanctuary, 78 Grigg Street, Ravenshoe (the lil blue shop). LET'S gather to share some food, trade our services, skills and wares Children welcome! Please bring a plate. Contact **Hayley 0416 528 177** or hayleybuchanan8@hotmail.com.

Saturday 28th - 12-2pm - Yungaburra Trade Afternoon and Picnic Lunch in the Rotunda in Maude Kehoe Park. Bring a picnic rug or chair, lunch and drinks! Trading Record Sheet and pen, any goods you wish to trade, promotional material of any services you are offering if applicable. Children most welcome. This event is **directly after the Yungaburra Markets**, across the road, and it is right near the playground and toilets. Because it's market day, there's usually excellent live music playing for us from the verandah of the pub across the street! Great atmosphere. **Contact Melitta - 0437216122.**

Sunday 29th - 9am start - Sheila Tait's Working Bee - Wongabel Stables, Deep Creek Rd. Minor handyman and gardening jobs - fix chicken coop fence, cement work, tidy up shed, child friendly. Bring a plate to share, refreshments provided, expected to finish after lunch.
Contact Sheila Tait 4091 2070
tableandlets@gmail.com - 4096 6972 - lets.clearwater.com.au

www.communityexchange.net.au

PDC's, Conferences & Workshops

P D C in Rossville - 30 Sept - 13 Oct 2013 at Ghost Gum Farm

The 14 day course run by Rick Coleman from the Southern Cross Permaculture Institute, will start the day after Wallaby Creek Festival finishes – www.wallabycreekfestival.org.au

Facebook: <http://www.facebook.com/SouthernCrossPermaculture>

Youtube: <http://www.youtube.com/user/SustainabilitySolved?feature=watch>

For more information about the course please contact Scott White, PDC Community Project Manager Sustainability Alliance FNQ Email: courses@ghostgumfarm.com.au ☎ 07 4015 2339
<http://www.ghostgumfarm.com.au/> <http://www.sustainfnq.org/>

Self Empowerment Weekend

October 5th & 6th - 17 Middlemiss St Mareeba

Michael and Michele Alba are organising and calling into being a Self Empowerment Weekend on Sat 5th & Sun 6th October from 8.30am - 5pm each day.

This will be an inspiring 2 days of speakers from a wide variety of local organisations and professionals from Agriculture, Biodynamics, Authors, Fitness, Meditation, and Natural Health Practitioners.

Envisioned to be Empowering Self, the community to take hold and action empowering solutions that help build us up as individuals and thus our community as a collective.

New Earth School Gathering ***November 2, 3 and 4th, Silver Valley Ravenshoe***

Passionate about the New Ways of Schooling? A Calling for an "Earth school Gathering" on the 2nd, 3rd, 4th of November in Silver Valley. There will be men's and women's space in a child friendly environment. The main topic of the gathering will be new ways of educating our children. There will be time for fun, healing, walking in nature, musical jams, enjoying food together and hopefully some workshops too.

This gathering is open to all ages, for anyone who feels we need work towards new ways of living.

Earthship Biotecture - Australia

Build workshop November 2nd - 17th Where: Northern rivers, NSW cost \$500

Terraeden Biotecture is putting on another start to finish build workshop down here in dusty Australia. This time we are doing a small scale, Earthship inspired studio build. Perfect for those of you who are new to biotecture and want to learn how to build something that is achievable on a small scale with a small budget. You will get practical experience in biotecture skills such as building with natural and recycled materials as well as thermal/solar heating and cooling.

For those interested in attending please send the following application questions to <http://terraeden.org/application-form>

Otherwise feel free to contact us with any questions at duuvy@terraeden.org



INTERNATIONAL PERMACULTURE CONVERGENCE CUBA November - December 2013

A Permaculture Design Course facilitated by internationally renowned teachers:
Ron Berezan (CA), Brock Dolman (USA), Paulo Mellet (UK), Eric Toensmeier (USA) and
Cuba's own Roberto Perez Rivero.

More Info - Web Site: <http://ipc11cuba.com>

Free Community Artists Training Course – OKKA WIKKA **Mission Evolve Music Festival 4th and 5th October.**

Evolve is providing an opportunity to train in community arts event decoration using bamboo, coconut and pandanus folk craft.

We are taking bookings for interested apprentices to learn natural fiber patterns and then as community artists, teach the public to decorate aspects of the festival by running open workshops.

Pre booking essential Email: infor@okkawikka.com Ph. 0481292653

PERMACULTURE CLASSIFIEDS

RESOURCES:

“Notes from the Workshops” All notes from the Permaculture Cairns Resilient Communities Workshops are now available for purchase at the cost of only \$10. This is a very informative booklet, with lots of info on organic gardening, earthworms, microgreens, wicking beds, aquaponics, tropical plants and some recipes for cooking these and much more, definitely worth having. Available at meetings and events.

Veggie Village DVD – a great little DVD with lots of practical info for those wanting to start a garden, worm farm, composting etc. only \$10 – available at meetings and events.

“Tropical Food Gardening ” by Yvonne Cunningham’s for sale at meetings \$28

Tumbler composter \$200 – Contact Georgie Zeiger by email: sgzeiger@netspace.net.au or Phone 40556133

SERVICES:

Bruce Zell, director of The Back Yard Revolution is a Permaculture Diploma graduate, Licensed Structural Landscaper and has extensive experience in landscaping, food garden design and implementation, project management and more. Contact Bruce for more details-

email: brucezell@gmail.com, www.backyardrevolution.com.au or Mob. 0404 9944 528

Memberships:

Fees: \$20 for Singles and \$30 for Households, unchanged since 2007. NOW HALF price for the remainder of the 2013 year.

AND our INSURANCE only covers people for FOUR visits to our meetings so if you have been to four meetings and have not become a financial member and intend to attend meetings you need to cover yourself and Permaculture Cairns by signing up as soon as possible.

You can pay at meetings, online to Permaculture Cairns Bank Account: BSB 704-966 A/c. 100009440 with your Surname as reference, or by Mail to PO Box 6535, Cairns, 4870.

Cheers
Carol



Permaculture Cairns Membership Form

One year's membership fee - 1 Jan - 31 Dec:

Household membership \$30 ☐
Individual membership \$20 ☐

Name(s) of all applicant(s) & DOB if under 18yrs):

.....
.....
.....

Postal Address:

..... Postcode:

Phone(s):

Email:

Signature:

Payment may be made at Meetings, by Post to P.O. Box 6535 Cairns
Online Direct Deposit - Permaculture Cairns Account at Cairns Penny Bank in Grafton
Street. BSB 704-966 Account No. 100009440 please include your Surname as reference.

Office Paid ☐ Cash Date received Paid up to
Use only \$ _____.00 ☐ Cheque ____ / ____ / ____ Dec 20__



Permaculture Cairns Public Meeting All Welcome

Third Tuesday of every month (except January). Doors open 6.30pm,
meeting starts at 7pm at: Flexible Learning Centre, 90-92 Clarke St.
(off Hoare St), Manunda

Enquiries

President: Carol Laing carollaing@hotmail.com
Secretary: Tegan McBride tegan.mcbride@hotmail.com
Treasurer: Lania Lynch lania.lynch@jcu.edu.au

Website: www.permaculturecairns.org.au