

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

December Public Info & Annual General Meeting **this Tuesday Night !!!!!**

Tuesday 10th 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

We won't have a guest speaker for the night but we will have a great Geoff Lawton Video to run after the AGM "Urban Permaculture" - Sustainable Strategies for Urban Living - something to get you going over the holidays.

Bring along your excess food, plants, seeds and products for sale or to give away. Let us make it a great night of trading and socialising.

There will be Freebies of seeds of Pigeon Pea and Winged bean, Taro to plant, cuttings of Cassava, Lemon grass and Dragon Fruit or if you care to make a donation to Permie Cairns, that would be appreciated as well.

LAST MONTHS' GUEST SPEAKER

Steve Bailey from Terrain Natural Resource Management was our very interesting speaker. Terrain works with primary producers to improve environmental outcomes on their properties. Catchment repair programs erosion repair, weed control, revegetation of degraded areas are part of the work Steve has been involved in as well as monitoring water quality in particular runoff of pesticides and herbicides into our waterways. Terrain works with a variety of groups and we look forward to being involved in some of their programs.

Continuing the 12 Principles of Permaculture **as written by David Holmgren.**

Principle 12. **Creatively use and respond to change**

“Vision is not seeing things as they are but as they will be”

We can have a positive impact on inevitable change by carefully observing, and then intervening at the right time.

The butterfly is a positive symbol of transformative change in nature, from its previous life as a caterpillar. The proverb reminds us that understanding change is much more than a linear projection.

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

Seasons Greetings from the Committee

Please give some thought to becoming more involved with Permaculture Cairns and perhaps become a committee member (even if it is only for one job, eg. when we have the meetings and events) so we can spread the load. You will get to know some wonderful people and be involved in the exciting process of making things happen.

Permaculture Cairns members have the opportunity to access the Permaculture yahoo group when they join. Robert, the Administrator will email you to determine 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. These news update are only available to members.

Got time over the holidays

Check out these informative web sites:

The ABC Organic Gardener web site – www.Organicgardener.com.au

Permaculture Research Institute Australia

Acres Australia national newspaper of sustainable ag. www.acresaustralia.com.au

Organic Federation - www.ofa.org.au

Earthship - <http://earthship.com>

Youtube – TED talks – Sir Ken Robinson – on education

Also on TED talks - Allan Savory – greening the deserts & reverse climate change

Also on TED talks – Christina Warinner – Debunking the paleo diet.

Also on TED talks – Maria Spivak – why bees are disappearing

And a whole heap more if you have the time.

NEWS ITEMS

(an extract from the Eden Seeds Summer Newsletter)

The Answer is in the Seed



By Bob Phelps*

A small cartel of agrochemical and seed companies now owns much of the world's seed supply. They send seed and food where they are most profitable, not where they are most needed. So the work of independent heirloom and open-pollinated seed producers and seed savers is critical to food sovereignty and security for our children and grandchildren.

Monsanto is now the biggest agrochemical and seed company in the world. It owns 27% of all commercial grain, fruit and vegetable seed and over 90% of all the genetically manipulated (GM) varieties of soybean, corn, canola, cotton and sugarbeet. Other seed giants are Dupont, Syngenta, Bayer and Dow.

<https://www.msu.edu/~howardp/seedindustry.html>

Through cross-licensing agreements for GM herbicide tolerance, Bt insect toxin and virus resistance traits, these companies concentrate their collective ownership and control, and promote their patented, PVR and hybridized products. Farmers and gardeners are forced back to seed merchants every season to pay grossly inflated prices.

As oil and phosphates deplete over the next 50 years, arable land and water become scarcer, and the climate changes, broad-acre industrial food production will become non-viable. A transition to agro-ecological systems is essential and the sooner we start, the better. United Nations' models for necessary change include the International Assessment of Agricultural Knowledge, Science and Technology for Development (IAASTD)

<http://tinyurl.com/nqlhgg3> and the UNCTAD Trade and Environment Review 2013, "Make Agriculture Truly Sustainable Now for Food Security in a Changing climate" <http://tinyurl.com/kly4c3r>

Seed is the genesis of all life on Earth and the bedrock of our food supply, developed for us by farmers and seed savers over the past 10,000 years. Half the world's food is still produced by peasant farmers on small plots of land. The corporate hijacking of our publicly-owned and shared biological commons is not yet complete. Thanks to small seed producers and seed savers for nurturing a rich diversity of cultivated plant varieties for all to share.



* *Bob Phelps* is Director of Gene Ethics:

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Web: www.geneethics.org

Tel: 1300 133 868

Email: info@geneethics.org

REAL FOOD IS 4 YEARS OLD
CONGRATULATIONS!!!

Week 208 – 7 November 2013

We Did It! 4 Years!

For those who don't know, this is our 208th week and 4th Anniversary of uninterrupted RealFood Box deliveries. For those who do know, thank you to the hundreds of subscribers and volunteers who got us here.

What started as our own funky way of ensuring consistent community access to local fresh food and creating local markets for local producers has developed into something much more fundamental. Beyond our original objectives, this has really been about community taking responsibility for its own food, often enabled through self-organising structures. Every time things were falling apart, it seems someone

would step up and say 'I can sort that.' And often, besides resolving the challenge of the moment, we have made a new friend and added another solution to our bag of tricks.

Unconventional as our methods may be, if we want to continue to enjoy the freshest products, knowing where, how and by whom they are grown, we know we can't wait for someone else to do it for us. And if we want to retain our small family poly-culture farms, our rich social fabric and healthy rural communities, we can't hold our breath either. And perhaps that is good – that we do it ourselves. Our continuing reliance on government and big business for the last couple of generations has only mad us weaker, fatter and more complacent. So get involved and go local.

We all owe each other a collective "Thanks." Sadly (or gratefully), all the names won't fit on a double-sided A4. So clap your hands, say "thanks" real loud and pat yourself on the back. We'll memorialize it on the website later.



While we are talking about community taking responsibility for its own food and self-organizing structures – how about the shop in town? Can you believe we expect to run the whole thing on volunteers? Well it is starting to happen. We're not there yet, but we are on the way. We had a heap of responses to last week's request. If you haven't heard back, you will. And if you can spare 4 – 6 hours anytime during the week, please let us know on 0414 608 234, or at chris@realfoodnetwork.com.au. It isn't hard. We meet great like-minded people. And we have fun.

CSIRO - NEWS RELEASE

IT'S ELECTRICITY, BUT NOT AS WE KNOW IT

Embargoed until Friday 6 December

Australia's electricity landscape could change significantly in the future and consumers will be deciding just what that future will look like.

A new report from the Future Grid Forum, *Change and choice: The Future Grid Forum's analysis of Australia's potential electricity pathways to 2050*, looks at a range of opportunities and presents four scenarios, not predictions, through which we can view potential futures for our national electricity system.

CSIRO Energy Flagship Chief Economist, Paul Graham, said recent declining demand, higher electricity prices and strong adoption of roof-top solar panels have changed the industry's view of what is plausible in the future and trained a focus on affordability challenges.

"All of the choices in the Future Grid Forum scenarios have consequences for the price of electricity, something that has significantly impacted consumers in recent years with the average household electricity price increasing by two-thirds between 2007 and 2012," Mr Graham said.

"Electricity will not get cheaper in the coming decades, but bills can be reduced through the adoption of energy efficiency, peak demand management and on-site generation.

"These steps, in combination with general wages growth, means the share of income average households spend on electricity is projected to be similar - shifting marginally from 2.5 per cent in 2013 to between 2.3 and 2.9 per cent in 2050 depending on the scenario."

The Forum also projected that technology will allow more sophisticated ways of managing household demand during peak times through the introduction of devices such as smart air conditioners and in-home storage systems.

"Better strategies for peak demand management could save two cents per kilowatt hour or \$1.4 billion per annum on distribution costs for households," Mr Graham said.

Electricity has traditionally been a service with which consumers have not proactively engaged, but the Forum's scenarios present a number of ways for people to take greater control of how they consume and produce electricity.

"This proactive shift could potentially influence the business model for the electricity sector, encouraging the emergence of new services to supply an individually tailored product - not dissimilar to the telecommunications industry shift from a one-size-fits-all landline telephone system to a wide variety of mobile and associated data and entertainment services," Mr Graham said.

"One of the Forum's scenarios looks at the option for around a third of consumers to disconnect from the electricity grid through the use of on-site generation using technologies like rooftop solar panels and battery storage; and this is projected to be economically viable from around 2030 to 2040.

"Under the full range of scenarios Australia could see on-site generation grow from the current figure of 8 per cent to reach between 18 and 45 per cent of total generation by 2050, but mostly while staying connected and using the grid as an electricity trading platform," Mr Graham said.

The Forum findings are a starting point from which all stakeholders can begin to understand, manage and benefit from changes to the electricity system.

"This is an extraordinary time of change for Australia's electricity industry and the Forum partners see the release of this report as an opportunity to begin a national conversation to decide the right answers for the sector, its stakeholders and, most importantly, all Australians," Mr Graham said.

The Future Grid Forum report and the supporting technical modelling and social dimensions reports are [available for download](#).

Launch webcast

The launch event panel discussion will be streamed live online at <http://tiny.cc/d8x66w>. A panel discussion will be hosted by ABC journalist, Tony Jones. Questions for the panel can be submitted via the online tool.

Follow the conversation on Twitter at [@CSIROevents](https://twitter.com/CSIROevents) or use #talkingenergy

BACKGROUND

Future Grid Forum

CSIRO convened the Future Grid Forum to develop and explore potential scenarios for Australia's energy future and support the decision making process around what comes next.

The Forum brought together more than 120 representatives from the electricity industry, government and community to inform and inspire a national conversation about the future of electricity in Australia and provide a way forward for the sector, its stakeholders and, most importantly, all Australians.

PANEL OF SPOKESPEOPLE

Paul Graham, Chief Economist, CSIRO Energy Flagship

CSIRO's Energy Flagship is delivering the energy solutions to secure Australia's environmental, economic and social wellbeing. Paul is the Future Grid Forum's project leader and has previously led four other sector-wide initiatives that brought together a diverse group of Australia's leading energy and transport stakeholders to identify plausible scenarios and their implications for the nation's energy future.

He has developed a number of economic models designed to examine the likely technological development paths in Australia's electricity generation and transport industries.

Dr Cassandra Goldie, CEO, Australian Council of Social Service

The Australian Council of Social Service is the peak body for the community sector in Australia, and the national voice for people experiencing poverty and inequality. Cassandra is a leading advocate on economic and social policy, a regular media and public commentator, and a highly

Matt McKenzie, Regional Leader Asia Pacific, GE Digital Energy

GE's Digital Energy business provides integrated smart grid solutions and reliable power delivery to electric utilities as well as supporting the gas, water and telecom sectors. As a global provider of innovative technology for a 21st century electric grid, Digital Energy's portfolio of products and solutions enable efficient and reliable energy delivery, productive utility operations, and informed and empowered consumers.

Anna Skarbek, Executive Director, ClimateWorks Australia

ClimateWorks Australia is an independent, research-based, non-profit organisation committed to catalysing reductions in greenhouse gas emissions in Australia.

Anna has previously worked in London's carbon markets, as a senior policy adviser for the Victorian Deputy Premier, investment banker in Macquarie Bank's energy and utilities team, and solicitor with the national corporate law firm Mallesons Stephen Jaques. Anna also served on the board of Amnesty International Australia from 2000-2006 in roles including National Treasurer and Victorian President, and was a director of the Big Issue Australia including founding committee member for the Homeless Soccer World Cup in Melbourne

John Bradley, Chief Executive - Energy Networks Association

The Energy Networks Association represents Australia's electricity transmission and distribution and gas distribution sector. With more than \$75 billion in assets and 13 million customer connections across the National Electricity Market, Australia's energy networks provide the final step in the safe and reliable delivery of gas and electricity to households, businesses and industries.

Charles Popple, Executive Advisor Industry Development - SP AusNet (representing Grid Australia)

Grid Australia represents the owners of Australia's electricity transmission networks in the National Electricity Market, plus Western Australia. Charles has extensive electricity industry experience, particularly in strategy and technical planning, related to networks and electricity market development and reform.

Phil Craig, Executive General Manager Corporate Affairs, Origin Energy

Phil Craig joined Origin in May 2001 and was appointed Executive General Manager Corporate Affairs in March 2012. In this role, Phil has responsibility for Origin's brand and reputation, government and media relations, policy development and sustainability, and the Origin Foundation.

Prior to this, Phil was General Manager of Origin's Retail business, leading the development and substantial growth of that business over a decade.

What's the washup from this chemical life?

Bianca Nogrady

Every day, Australians flush relatively small – but significant – amounts of chemicals down the drain, many excreted from their own bodies.



These micropollutants – from the diverse medicines, personal hygiene products, household cleaning agents, dietary supplements and other chemical products we now use routinely – make their way to wastewater treatment plants. From there, most are released into our waterways, with potentially devastating consequences for the aquatic fauna exposed to them.

‘Micropollutants is a term which is commonly used for contaminants that occur in the environment at very low concentrations, so here we are talking about micrograms per litre, or even nanograms per litre of water,’ said environmental chemist [Dr Rai Kookana](#), senior principal research scientist at CSIRO Land and Water.

‘The interesting thing is that even at these low concentrations, they have the potential to impact on the health and wellbeing of the exposed organisms.’

The most well-known class of micropollutants is the endocrine-disrupting chemicals (EDCs). These either mimic hormones or interact with receptors for those hormones. The resultant effects include intersex conditions, such as male fish developing female reproductive organs, or producing egg yolk proteins normally only found in females; and changes in reproductive behaviour.

The most notorious of the endocrine disrupting chemicals is DDT. It was first used as a pesticide from the 1930s but was eventually banned from agricultural use after it was found to affect, among other things, female reproductive tract development.

However, DDT was just the tip of the iceberg. Other endocrine-disrupting chemicals are still in widespread use, such as bisphenol A, found in plastics; and polybrominated diphenyl ethers, flame retardants used in the plastic cases of electronic equipment.

In the last decade or so, awareness has emerged of another potent source of endocrine-disrupting chemicals and other micropollutants: human beings.

At a recent symposium titled ‘What’s In Our Water’, researchers gathered from around Australia and overseas to present new data on micropollutants in the environment. The issue of pharmaceuticals and personal care products was a key theme.

‘In the last 10-15 years, scientists have identified very potent pharmaceutical compounds such as the synthetic hormone used in the contraceptive pill, called ethinylestradiol,’ said Dr Kookana.

‘In the same period, another group of compounds were identified called antimicrobial agents such as triclosan and triclocarban, which are used in soaps, shampoos and some other household products.’

These compounds find their way into the wastewater stream when we wash our hands, clothes or hair; when we bathe or shower our bodies after taking medications; and when we throw waste medications down the sink or toilet. Unfortunately, these compounds are tricky to remove once they are in the wastewater.

[Dr Mike Williams](#) is an environmental chemist and toxicologist at CSIRO Land and Water. He and his colleagues recently looked at the concentrations of six key pharmaceutical compounds in the discharge from three wastewater treatment plants.

Two of those compounds – ethinylestradiol and the non-steroidal anti-inflammatory, diclofenac – are known to have environmental consequences. Diclofenac was implicated in a [massive crash in vulture populations in India](#), causing acute kidney failure in birds that fed on the carcasses of animals treated with the drug.

The other compounds – the antidepressant venlafaxine, cancer drug methotrexate, anticonvulsant carbamazepine, and antihypertensive propranolol – were chosen because of the high volume of these pharmaceuticals consumed in Australia.

‘Some drugs aren’t removed at all during the wastewater treatment process so they’re quite good tracers – something which can track wastewater effluent in the environment. If we find the tracer drugs in the environment then we’re fairly sure that’s where our wastewater effluent is reaching as well,’ said Dr Williams.

The team’s results confirmed what has been found in other parts of the world: that for the most part, wastewater treatment plants are not designed to eliminate compounds that exist at such low concentrations.

To upgrade treatment plants to the point where they could remove these compounds is almost prohibitively expensive. Dr Williams referred to a recent estimate of around €35 billion for the UK alone.

But the case against micropollutants isn’t as straightforward as it appears. While the environmental evidence against DDT has been overwhelming, other micropollutants aren’t presenting such a clear ‘smoking gun’.

Ecotoxicologist, [Dr Anu Kumar](#) – a principal research scientist and team leader at CSIRO Land and Water – says that just because micropollutants are present in measurable quantities in the environment, that doesn’t always mean they are having an impact on the flora and fauna in that environment.

Her role is to try to work out the effects of micropollutants, if any, on native Australian fauna.

‘In Europe, Northern America and Japan they’re using small, test model fish species such as zebrafish, fathead minnow, and Japanese medaka. These are not the fish that are in our freshwater, so firstly we have to develop the biomarkers – that takes a while – and then validate them. Then we can do the assessment,’ said Dr Kumar.

Dr Kumar was recently involved in a study examining the presence and effects of micropollutants, including endocrine disrupting chemicals, in parts of Darwin Harbour that receive effluent from sewage treatment plants.

'Micropollutants were detected in effluent, receiving water and sediment samples – similar to what has been reported overseas and even in temperate regions within Australia. But the concentrations generally were very low,' she said.

Dr Kumar then screened the compounds for endocrine-disrupting activity and confirmed that there was oestrogenic and androgenic activity (oestrogens and androgens are female and male sex hormones, respectively). However, she said the impact of these chemicals on fish and other animals was unknown.

It's a task complicated by the fact that we still have so much to learn about the biology of our native fauna.

'We started working with Murray rainbowfish six or seven years ago and we are still trying to understand the molecular endocrinology of this fish,' said Dr Kumar. 'This information is critical to assess the adverse effects of micropollutants and treated effluent discharges in the Australian riverine environment.'

Dr Kookana adds that generally, Australian scientists are still trying to determine the extent of our fauna's exposure to micropollutants, and the effect these synthetic chemicals may be having.

The situation is further complicated by the fact that these chemicals can break down into different compounds that might have their own toxicities. Plus, compounds that are harmless by themselves may become toxic when they interact with other compounds in the environment.

'As the data comes to hand, we can provide this information publicly, confident that we have examined this issue, we've done monitoring and other assessments and hopefully we can reassure the community that the situation is not as alarming as people might have thought,' Dr Kookana said.

Or, the data might suggest that a response is needed. In this case, Dr Kookana says that a solid evidence base – and well-funded research – will be vital to informing policy decisions concerning the chemicals we send down our drains on a daily basis.

- See more at: <http://www.ecosmagazine.com/paper/EC13247.htm#sthash.m6pM7zF1.dpuf>

DATE CLAIMERS

Biodynamic FNO

Sunday 8th December, 2013 10am to 4pm
John Priestley presents.....

Hear our Biodynamic Elder on his annual visit with so much knowledge to share – discussions, questions, much more. John has been a Biodynamic citrus grower and beef cattle farmer in Hunter Valley, NSW for the past 50 years.

Meeting at Rob and Michelle's, Brooks Rd, Millaa Millaa.
Bring plate to share and chairs. \$35 members and \$45 non members.

As we will be on a commercial poultry farm, we ask that you all respect the need for footwear and clothing cleanliness. If you have poultry, please bring clean shoes and outer clothing so you don't carry or bring any contaminants.

**Saturday January 18, 2014 6pm -
Mid Summer Celebration Party**

Wayne Rankine's , Picnic Crossing Rd, Yungaburra.

With Clarkey and the Allstars band . Bring food to share, dancing shoes, and chairs.

For further information:

Contact Hilary Smith, Workshops Co-ordinator 0427 392753

Cheryl Kemp 40951119 See Website: www.biodynamicsfnq.org.au See us on Facebook

Cairns Seeds Savers Launch

Was a great success, approx 35 people came to save seeds, make a Mandela garden with Tegan and to see Wayne from Propa Earth demonstrate methods used on biodynamic properties. Next meeting will be in February , more details later. But keep saving your seeds for planting next year.

TABLELANDS LETS December Calendar

Saturday 7th - 8.30-11.30am Fencing Workshop with Jayne & Glenn – 20B per person - RN53 Hosie Road, Tarzali (please park on road). Learn what will work in our wet climate and what will not. How to fence to cope with our prolific grass growth. Please bring gloves to handle wire and tools. Sturdy shoes are desirable. Bring something to share for morning tea. Drinks, tea and coffee supplied. For more info please contact Jayne on 40966848 or 0403208551.

Sunday 8th - NO SPEND CHRISTMAS - 11am-2pm at Walkamin Sporting Clubhouse - all weather venue, kitchen, lots of space. Wattle Street, Walkamin - turn off at phone box at Walkamin shop, follow that street down to 2nd on left. Turn right at tennis courts. Tables & chairs available. Gold coin donation toward hall maintenance appreciated - give to Gloria. Bring - lunch for yourselves or to share, goods to trade for 100% BARTLES - gifts, food items, produce, plants, bric a brac, recycled items (especially toys, books and other gift ideas). Must be 100% Bartles at this event, if you want cash for it, leave it at home please. All Welcome! For more info about venue, call Gloria on 0437645892, or email Bel - tablelandlets@gmail.com.

Saturday 14th – 10am-12 noon - Digger Street Cairns LETS Trade Day. Entrance is 346 Sheridan Street. Come to trade, share food & relax in the beautiful tropical gardens. Meditation space by Oneness Far North Queensland, Massage and Healing Bodywork for Bartles available and lots of trading for Xmas! For more info see facebook.com/events/1471478949744580 or contact Louise - louisemurley@hotmail.com.

Sunday 15th - John & Kathy's Working Bee, 13 Crown Close Malanda. 15B per hour - 8am start but come when you can. Please support our dedicated seedling grower of LETS. Jobs: cutting back trees, gurneying paths, clearing gutters, rubbish removal, general garden tidy-up. Please wear closed in shoes, jeans and long sleeved shirts, hat. Bring garden gloves, saws, secateurs, trailer, old tarps (to put rubbish on). Bring a plate to share for lunch. Drinks (tea/coffee) provided, or BYO. Contact Kathy Klye 0439 965 045 or Irene 0439 914 876.

Sunday 15th - 10.30am-3pm. Homemade Luxuries Workshop (Body, Bath and Beauty Products) 30B+\$20 per person - Wondecla - directions to Starr's home provided when booking. You will receive a booklet with all the recipes and a sample of each product that is made at the workshop. Plus materials to make labels and to decorate your creations. Please Bring lunch to share refreshments provided. Optional: Extra packaging – small jars and bottles, plastic or glass and materials to label and decorate your creations. Bookings essential phone 40963411 or email starrmaree@gmail.com.

Sunday 22nd - 12-2pm - Yungaburra Trade at that retro cafe, Eacham Rd (next to Miss Meg's, opposite Foodworks). Vouchers available for Bartles, bring \$ for sweet treats. Children most welcome. This event is directly after the Yungaburra Markets. Contact Melitta - 0437216122. NB – Sunday Markets in Yungaburra this month for Christmas.

Tablelands lets January Calendar

Sunday 5th - 10am-12 noon Trade Morning at Tree Kangaroo Café (TKC), Malanda. We will be meeting at the side of the café, weather permitting.

Also at same venue, 12-1pm bi-annual Tableland LETS Admin meeting – come, have lunch, and have your say. Help make decisions to shape the future of our group, hear about November's Conference trip and catch up. If you can't attend or want an item on the meeting agenda, please email Bel – tablelandlets@gmail.com or phone 40966972 by 31 December 2013. TKC vouchers are available for 50% Bartles (see Jocelyn).

Sunday 12th - 9.30am-12 noon - Workshop - Raw Food for Beginners at Halloran's Hill Observation Building, Atherton. Presented by Jo Thistle and Leeandra Norman. Cost \$20 + 20B per person. Tastings, notes and recipes included. Limited numbers. Booking Essential. Email tablelandlets@gmail.com or phone 40966972.

Sunday 12th – 1-4pm - Workshop - LETS and Business at Halloran's Hill Observation Building, Atherton. Learning how to 'do' business with LETS Principles - value yourself and thrive in Business. Presented by Natasha Hogan and Belinda Moore. Cost \$10 + 30B per person. Afternoon tea and notes included. Limited numbers. Booking Essential. Email tablelandlets@gmail.com or phone 0488 611 751.

Saturday 18th - 12-2pm - Malanda Trade Afternoons at Mary & Mathieu's place, after Malanda Market, bring lunch to share. 7 Cleminson Close, Malanda. Call Mary on 40966651.

Sunday 19th - 11am-3pm - Cassowary Coast Trade & Social Gathering - Venue to be advised - please contact Suari 0403115261.

Sunday 19th - 12-3pm - Herberton Lunch and Trade Afternoon at Leeandra's place, 28 Perkins Street. Please bring lunch to share! Children welcome. Phone 0488 611 751.

Friday 24th – 6-9pm - Trade Night at Katrin's Place, 33 Park Avenue, opposite the Caravan Park near Malanda Falls. Plant stall out the front. Locavore Summer Salads - bring a salad to share. Locavore food is locally grown produce. Family-friendly event! Phone 40966755

Saturday 25th - 12-2pm - Yungaburra Trade at that retro cafe, Eacham Rd (next to Miss Meg's, opposite Foodworks). Vouchers available for Bartles, bring \$ for sweet treats. Children most welcome. This event is directly after the Yungaburra Markets. Contact Melitta - 0437216122.

Thursday 30th – 6-8pm - Trade Evening at The Octupi Garden Sanctuary, 78 Grigg Street, Ravenshoe (the lil blue shop). Children welcome! Please bring a plate. Contact Hayley 0416528177 or hayleybuchanan8@hotmail.com.

Sunday 8th December

Kalapata Childrens Charity Institute in Uganda is having a market stall at Crossland Hall at the Cairns High School on Sunday 8th December 8am to 2pm

They will be selling handmade pottery, African sandals, homemade dips and marinades, cakes etc.

All proceeds will go to the not for profit charity to help volunteers to provide access to education, health and well being projects for the children.

Samallie Kasirye, a local Cairns resident who was born at Kalapata in Uganda founded the charity this year. Samallie makes pottery for sale in Cairns and the proceeds go to the Institute.

Di Creasey from Enviromart Australia also collects donations of seeds which Samallie takes to Uganda. So if you have any spare seeds or want to buy some at Enviromart to donate, there is a box near the front door to deposit them.

Investigations are under way to raise the funds for a Permaculture workshop on site so the children can be educated in growing food crops sustainably.

The girls spend most of their day walking to the water supply and carrying water back to the village, so maybe we can help make a difference to this small village by making a donation. The girls are also in danger of being raped during this daily activity.

Kalapata is 4 hours from Kampala near the village of Mbale in Uganda a very poor area ravaged by HIV/AIDS. If you want to know more, have a look at their Facebook page and/or check out the Kalapate Childrens Charity Institute at www.kalapata.org/uganda

STOP PRESS!!

Phillipines Build Opportunity

Earthship Biotecture is designing a wind proof structure to use as a prototype for rebuilding in the Philippines. We plan to go there with 20 apprentices around the end of February. We are seeking interested parties for a ten day build of the demo unit working beside Earthship Biotecture veteran team members.

<http://earthship.com> [Earthship Biotecture \(kbase@earthship.com\)](mailto:kbase@earthship.com)

Bungalow Community Garden end of year celebration

BBQ at the gardens 22nd December at 3pm

Bring along a chair, drinks, salads and bread to share . Sausages and fish will be provided.

RSVP: bungalowgarden@yahoo.com.au

PERMIE CLASSIES

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. **For sale at the meeting**

Topics covered: Growing your own Fabulous Organic Food, Earthworms, Microgreens, Wicking beds, Aquaponics, Composting, Creating a raised garden bed, Tropical plants that grow all year round and recipes for cooking these, Drying and preserving excess fruit and vegetables, Balcony and patio gardening, The Bokashi Bucket, Waste not want not – recycling organic waste, Poultry in the city, Vegetables for the small tropical farm or garden, and a Sprouting guide.

This is a MUST HAVE - full of local knowledge. Would make a great Christmas present.

Carols Tropical Plants:-- Moringa the Miracle tree, Crunchy Jack Fruit trees, No fibre Soursop trees, Tamarind trees, Okinawa Spinach, Sambung Spinach, Ceylon spinach, Sweet leaf, Yacon, Thai Basil, Vanilla, Lebanese Cress, Arrowroot and some ornamentals. **For sale at the meeting.**

Carols Tropical Seeds: harvested from this years' crop:- Tropic Tomato, Roma Tomato, Serpent Gourd/Guava Bean, Amaranth tender leaf, Bok Choy, and Coriander. **For sale at the meeting.**

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



Garden of Tegan – ready made gardens. Looking for a great Christmas gift?
A wicking bed of herbs and vegetables is a gift that will be enjoyed all year.
Contact Tegan 0402 853 903

Permaculture Cairns Memberships:

2014 Memberships fees become due on the 1st January.

Fees: \$20 for Singles and \$30 for Households, unchanged since 2007.

You can pay at meetings or online to Permaculture Cairns Bank Account:

BSB 704-966 A/c. 100009440 with your Surname as reference.

**REMEMBER ONLY FINANCIAL MEMBERS HAVE THE RIGHT TO VOTE AT THE AGM
and COMMITTEE MEMBERS MUST BE FINANCIAL.**

Those joining during December will be joining for the remainder of 2013 and 2014
So that's it for me for 2013, hope to see you in the New Year.

Have a great Christmas and a plentiful New year.

The first meeting for 2014 of Permaculture Cairns will on the third Tuesday of the month the 18th February. No meeting in January, this gives the new committee to nut things out for the new year. 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

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