

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

MAY Public Info Meeting

Tuesday 20th 6:30pm for 7pm start.

Flexible Learning Centre, 90 Clarke Street, Manunda

Clarke Street comes off Hoare on the Salvos Corner.

Members please bring a plate of finger food to share, and a friend.

We have two Guest Speakers for the meeting

Deborah Pergolotti from Frog Save will make a presentation
“Fishing Frogs Out of the Chemical Soup”

This presentation will cover:

the process by which chemicals are approved in this country

a short hit-list of ones to avoid

and ways of getting rid of pests without having to use chemicals.

Frog Safe is running a short raffle to keep those bills paid. Top prize is a trip for two out to Agincourt (outer) reef plus a night at the Sheraton Mirage. Second and Third prizes are a family pass on the Scenic Rail and a trip out to Green Island. Tickets are only \$2 each and will be available at the May meeting. The raffle will be drawn on May 31st. So bring some cash.

and

Steve Zeiger from Greenbelt will give a presentation about the new organic
fertiliser company in our area

Steve will provide us with information of where and how the organic fertiliser is made, what goes into it and the benefits gained by using it.

Following is a short note from their website: www.greenbelt.com.au

“Using Greenbelt Fertiliser can assist growers to re-balance and rejuvenate the soil. Our product replaces many of the nutrients that have been stripped away from the soil due to using chemical fertilisers over many years. In the longer term, growers will enjoy strong yields while spending less on traditional fertilisers to fertilise crops and gardens. “

Permaculture Principle No. 5

Use and value renewable resources and services

Make the best use of nature's abundance to reduce our consumptive behaviour and dependence on non-renewable resources.

The horse icon represents both a renewable service and renewable resource. It can be used to pull a cart, plough or log and it can even be eaten – a non consuming use is preferred over a consuming one. The proverb “let nature take it's course” reminds us that control over nature through excessive resource use and high technology is not only expensive, but can have a negative effect on our environment.

An Invitation from SITA Australia to all

Permaculture Cairns members

In October 2013 SITA launched the first, national community grants program for the waste industry in Australia.

Please join us along with the Mayor of Cairns Regional Council, Cr Bob Manning OAM to the event, which will recognise the inaugural grant recipients from Cairns; Guide Dogs QLD, Cairns Basketball and your organisation Permaculture Cairns, for the inspirational work you all do in your local communities.

Event Details

Date Tuesday 20 May 2014

Time 2:00pm – 2:20pm Presentation & Cheque Handover

2:20pm – 2:45pm Tour of Cairns ARRT Facility [*SITA will provide transport to and from the facility for the tour*]

2:45pm – 3:30pm Afternoon Tea

Location Fogarty Park, Cairns Esplanade, Cairns

We will also be providing a guided tour of our Cairns Advanced Resource Recovery Technology (ARRT) facility. The tour will provide a firsthand experience of how SITA's ARRT facilities are leading a global change, from traditional waste disposal methods to providing economically sustainable resource recovery solutions.

Please RSVP your attendance to Lauren Kelly, Corporate Affairs Advisor by Friday 9 May via email lauren.kelly@sita.com.au or 8775 5527.

Workshop on the Saturday

Andrew McLennan presents: URBAN FARMING FOR NUTRIENT DENSE FOOD

Saturday 10th MAY 9am to 2pm

Subjects covered

1. Setting the scene – World food Security and Mineral loss.
2. What makes a healthy soil
3. Soil properties
4. Basic soil chemistry
5. Soil tests
6. Humus, humus inputs
7. Composting
8. Soil Food Web
9. brewing beneficial soil microbes at home
10. Soil fertility and mineral balance
11. Soil conditioners
- 12 Plant Brix reading and mineralisation

Cost \$65 includes morning tea and lunch.

Venue: Flexible Learning Centre
90 Clarke Street Manunda

Bookings essential contact Tegan McBride at email:

tegan@gardenoftegan.com.au

Andy will be back in June –

Urban Farming For Nutrient Dense Food

Saturday 28th June - 9am to 2pm

- | | |
|--|------------------------------|
| 1. Small space growing systems. | 6. Vermi composting. |
| 2. Five easy steps to green thumb gardening using Greensmart pots. | 7. Plant stimulants. |
| 3. Planning, planting and common individual plant needs. | 8. Liquid fertilisers. |
| 4. Trees in small places. | 9. Foliar feeding. |
| 5. Roof Gardens. | 10. Chemical free Gardening. |
| | 11. Building your own soil. |

Workshops will be held in Cairns, venue to be advised at time of booking.

Cost \$65 Contact Tegan McBride at email: tegan@gardenoftegan.com.au

PERMACULTURE CAIRNS **WORKSHOPS**

Building Resilient Communities Workshop **Series 2014**

We were successful in applying for a SITA Community Grant earlier this year, here is a list of workshops planned for this year.

- 17th May – Recycling organic waste
- 7th June – Creating a Banana Circle
- 21st June - Growing Nutrient Rich Food
- 19th July - Creating a Herb Spiral
- 26th July - Craft and Permi Day
- 9th August - Growing food in Small spaces
- 23rd August - All about Worms
- 6th September - Growing and Cooking Tropical Vegetables
- 20th September – Create a wicking bed from a raised bed

All workshops run for three hours 9.30am to 12.30
Morning tea is provided.

Registration is essential.

To register email- workshops@permaculturecairns.org.au

There is a \$10 fee for each of the workshops which may be paid online: to
Permaculture Cairns bank account

BSB 704-966 Acc: 100009440 please include
your Surname as Reference, OR you may pay on the day. If you need to pay
on the day please arrive early so we can start on time.

Some workshops will be held at Bungalow Community Garden on the corner
of Aumuller and Little Spence Streets.

Website: permaculturecairns.org.au

We thank SITA Community Grants Program for making this possible.



RECYCLING ORGANIC WASTE WORKSHOP

17th May - 9am for a 9.30 start to 12.30

In this workshop we/you will be making **NUTRIENT DENSE COMPOST** by incorporating minerals, biochar, trace elements and other beneficial ingredients.

Various ways of making compost will also be discussed with information on both hot and cold methods, sheet composting, other methods of using organic waste and the importance and benefits of mulching with organic waste.

Presenters for the workshop will be Jaide and Daniel, both Permaculturists and owner operators of King Brown Compost who have much experience in making compost and using it in the garden.

The venue will be the Bungalow Community Garden , cnr Aumuller and Little Spence Streets where the compost will be used later to create a Banana Circle (7th June) and Herb Spiral (19th July) at the Community Gardens.

Registration is Essential: register by emailing –

workshops@permaculturecairns.org.au

There is a small fee of \$10 for attending these workshops, which you can pay on the day, but please come early so we can start on time.

We thank the SITA Community Grants Program for making these workshops possible..



**SITA
COMMUNITY
GRANTS**



**THE LEADER
IN RESOURCE
RECOVERY**

Biodynamics FNQ Workshops

Sun 15th June 2014 - 10.30 - 4.30 MORE ON SOILS

Some revision of last workshop and going further into how to work with your soil test.
Adam Collins Venue: Patrick English Hall, Malanda Showground

EARTHSHIP AUSTRALIA UPDATE

Australia's first tropical earthship build
19th July – 1 August 2014

The Venue: Ghost Gum Farm near Rossville in FNQ
For more information contact:- Scott White, Ghost Gum Farm Manager
07 4015 2339 scott@ghostgumfarm.com.au
<http://www.ghostgumfarm.com.au>

Check out the videos on this site and Mike Reynold's web site
www.earthship.com

Events & News Items

JCU Sustainability Symposium and Fair **NOW**

Friday 23rd May 2014



Challenging consumerism: The War on Waste

Cairns Sustainability Fair

In Cairns, you'll have the opportunity to get involved with practical, hands on workshops presented by The Junk Wave, a recycled craft business that uses household waste to create amazing hand crafted goods, or relax in a guided meditation session with Diamond Way Buddhism.

The fair will also feature clothes mending lessons, The Saltwater Creek Basketry Group, home-made wraps, chai, iced tea and more! There will be roving entertainment from Plasticus Fantasticus, and live acoustic musician Tamlyn Magee; fresh local food and refreshments, and something for the kids!

Sustainability Fair & Soapbox Stage

10.00am – 3.00pm

Cairns Institute grounds

The Sustainability Fair will provide an opportunity to learn about the Far North's diverse range of sustainability-focused community projects, organisations and businesses, while being entertained by local performers and artists. The Cairns Regional Council will be on hand to answer any questions you may have about our region's waste system, and be sure to check out the Soapbox Stage blackboard to find out what's happening on the day! Featuring recycled products, a 'Clothes-and-Stuff Swap' and workshops from The Saltwater Creek Basketry Group, local clothes mending and more! There will be roving entertainment from Plasticus Fantasticus, and live acoustic musician Tamlyn Magee, fresh local food and refreshments and something for the kids! Get creative, meet inspiring people and have fun.

Welcome to Country and Opening Address

10.00am – 10.30am

Cairns Institute lecture theatre

The symposium officially opens at 10am, with ABC Radio Far North presenters Kier Shorey and Richard Dinnen hosting the day's proceedings. In the opening address JCU's Vice-Chancellor Professor Sandra Harding will provide an update of JCU's sustainability agenda and achievements along with a background on the overarching consequences of consumerism and waste for the tropics. A Welcome to Country will be performed by traditional owner Jeanette Singleton of the Yirrganydji (Irukandji) People.

Keynote Address

Prof Kim Humphery

10.30am – 11.15am

Cairns Institute lecture theatre

The White Good in the Tropics: Place, Practice and 'Consumer Culture'

Does the concept of 'consumer culture' really explain all that much about our consumer-oriented way of life? Is this culture as ubiquitous as is often assumed, and is it the same everywhere? In this talk Professor Kim Humphery will look at some alternative ways of thinking about why we consume – and overconsume. He will suggest that consumption is intimately connected with the material realities of where we live and with the everyday conventions and routines that we all tend to share. Kim will also suggest that thinking beyond the notion of a dominating consumer culture allows us to envisage different paths to achieving sustainable forms of consumption.

JCU perspectives

Dr. Hongbo Liu, Dr. Maxine Newlands &

Dr. Breda McCarthy

11.15am – 12.30pm

Cairns Institute lecture theatre

From the Occupy movement to the 2020 Chinese consumer: A glimpse of JCU's latest research

The JCU research agenda has embedded tropical sustainability in many disciplines, and this is your chance to engage with a diverse set of views on consumerism in our region and globally. Economist Dr. Hongbo Liu will look at the effects of rising consumerism in China, our most important regional trade partner. Dr. Maxine Newlands will explore why issues of sustainability and resilience are at the forefront of social movements such as Occupy and 'Get up!'. Marketing expert Dr. Breda McCarthy (video-linked from Townsville) will present a profile of sustainable food systems in Northern Queensland to draw some conclusions as to how sustainable food systems can expand and become more stable in the future.

Lunch

12.30pm – 1.30pm

Cairns Institute grounds

Enjoy delicious healthy wraps, chai and iced tea made by our fantastic student clubs (The Permaculture Society, The Sustainability Club, & JCU Cairns Bicycle Users Group). All proceeds will go towards supporting the ongoing success of these student-driven groups. The Student Association's 'Soup Kitchen' will also provide an affordable and delicious alternative.

Panel discussion

1.30pm – 2.30pm

Cairns Institute lecture theatre

Professor Kim Humphery, Dr. Maxine Newlands and Professor Stewart Lockie will interactively discuss an increasingly pressing and crucial question:

How can we move from a critique of consumerism to action, in time to save the tropics and ourselves?

There are now almost as many registered cars in Australia as there are people. In 2013, we were awarded the shameful title of worst carbon emitter per capita among major western nations. This session will examine how our nation's obsession with 'stuff', when combined with population growth, rising incomes, and climate change, will impact on the future of our environment and our communities. Professor Jeff Sayer of the Development Practice Program at JCU will moderate the discussion.

Community-based responses

Ken Bellamy, Brett Pritchard &

Warren Jonsson

2.30pm – 3.30pm

Cairns Institute lecture theatre

Practical solutions to a waste crisis

The complexities of waste management require both large-scale management systems and individual responses. In a video-link from Townsville, biotech business owner

Ken Bellamy and permaculture expert Brett Pritchard will discuss the current waste issue and offer practical solutions suitable for the tropics. Ken will share his experience

in implementing very effective centralized waste management systems in Malaysia, while Brett will talk about his work with 'closing the cycle' on food and green waste to

create high-value products that enhance food production. Local farmer and business owner Warren Jonsson will discuss responsible consumerism and the importance of avoiding the supermarket duopoly to refocus on supporting local businesses

Simplicity, or Else!

Mark A. Burch & Linda Cockburn

3.30pm – 4.30pm

Cairns Institute lecture theatre

Simplicity, or else!

There is now abundant evidence that our society's consumer culture is no longer economically or ecologically sustainable. Authors Mark A. Burch and Linda Cockburn

will look at the dire consequences of continuing down the path of rampant-consumerism, and provide some alternatives.

In a video address from Canada, Mark will tackle the question of how we can negotiate a shift towards simplicity, preserve the human experiment from impending

extinction, and if possible, fashion a new culture that conserves our most cherished values. He will share his search for the possibility of a good life for everyone, within the limits of what the Earth can sustainably provide. Linda will discuss the barriers that prevent people from changing their lifestyles as well as her own experience in creating lasting personal epiphanies that drive change. Her talk will be video-linked from the University of Tasmania in Hobart.

Complimentary drinks, book-signing, and entertainment

5.00pm – 6.00pm

Cairns Institute foyer

Enjoy a drink, live acoustic music, art and more before Kim Humphery's public lecture. A chance to discuss the day's proceedings, meet likeminded folk and have Kim

sign a copy of his book, *Excess: Anti-Consumerism in the West*.

Living the Good Life (Linda Cockburn) and The Hidden Door (Mark A. Burch) will also be available for purchase.

Public lecture with Prof Kim Humphery

6.00pm – 7.00pm

Cairns Institute lecture theatre

Overflow venue Crowther theatre A3.3

Can We Buy a Better World? Ethical Consumption and Sustainability

Over the past three decades 'ethical consumption' has emerged as an increasingly prominent alternative to conventional shopping. The field of ethical consumption has

morphed from being a small political movement into a global network of organisations and a retailing and production sector; while the call to buy ethical goods and

services (which can variously mean sustainable, fair trade, local or humane) has begun to make at least some inroads into how we actually consume. Nevertheless debate

rages on just how useful ethical consumption is as an alternative. Kim Humphery will engage with this debate, explore the relationship between ethical and sustainable

consumption, and identify some of the challenges we face in consuming differently.

Please register early to secure a seat in the Cairns Institute lecture theatre.

Overflow seating will be provided in the Crowther Theatre A3.3, with the lecture video-linked to this room.

To register, go to:

alumni.jcu.edu.au/2014SusSympFair

In seeking a brighter future for people in the tropics worldwide, JCU will work to ensure that our actions today do not limit the range of social, cultural, environmental

and economic options of future generations. Through our scholarship and practices, JCU seeks to meet the challenges that affect the tropics, and in doing so, materially contribute to sustainable development, world-wide.

Look at what is happening around the world with pesticides and food crops

Europe restricts common produce pesticides

Neonicotinoid pesticides, developed as substitutes for older and more neurotoxic insecticides, primarily organophosphates and carbamates, have been widely adopted by American, European and other growers over the past decade. USDA testing has found neonicotinoid residues on about 20 percent of all produce samples and as much as 60 percent of broccoli, cauliflower, grapes, spinach and summer squash. [Learn More.](#)

Recent scientific research has suggested that neonicotinoids could harm children's brain development and might contribute to the collapse of populations of honeybees and other pollinators. In response to these developments, European officials tightened their guidelines for allowable daily exposures to two neonicotinoid pesticides (EFSA 2013). Last December they declared a two-year moratorium on three neonicotinoids. (European Commission 2013).

Meanwhile in the U.S., EPA officials will soon require new cautionary language and instructions on the labels of neonicotinoid pesticides. On a longer track, they are engaged in a multi-year assessment of neonicotinoid toxicity, expected conclude by 2018 (EPA 2013). Environmental advocates have decried EPA's efforts as slow and inadequate.

In June 2012, the European Commission banned diphenylamine, or DPA, until the pesticide industry could prove it was safe. In the U.S., DPA, a "growth regulator" or antioxidant, is applied to most conventional apples and some pears after harvest to prevent fruit skin from blackening during cold storage. As of March of this year, apples and pears imported into the European Union

can contain no more than 0.1 part per million of DPA (EC 2013). The EPA has not studied the risks posed by [DPA on apples since 1998](#).

Genetic engineering has been touted as an innovation that will reduce pesticide use and combat unusual crop diseases. These technologies have not lived up to their claims in the case of field corn, which is mostly GE. Crop scientists have genetically engineered corn and also soy to survive blasts of the weed-killer glyphosate - Monsanto's Roundup -- so that farmers can spray this chemical near crops to get rid of weeds. But this practice has set off a vicious cycle in which weeds mutate into so-called "super weeds" resistant to Roundup, and farmers use yet more glyphosate and other potent pesticides to try to defeat the hardier weeds. (Norwegian scientists recently reported detecting ["extreme levels" of Roundup](#) on genetically engineered soy in Iowa.)

EWG found that most [sweet corn](#), the type sold in supermarkets and farm stands, is not grown from GE seeds and does not show many pesticide residues.

These two extract are from an article in the newsletter from the Environmental Working Group in the USA. EWG has put out a Guide with more information on pesticide residues on fruit and vegetables grown in the USA which could be a useful for people wanting to know more about pesticides on food. There are many references listed at the bottom of this article if you need to check out any of this information. <http://www.ewg.org/foodnews> - look for the Dirty Dozen and the Clean fifteen!!!!!!

CSIRO – NEWS RELEASE

INNOVATION COULD CUT BROWN COAL EMISSIONS BY 50 PER CENT

CSIRO and its industry partners plan to trial the Direct Injection Carbon Engine (DICE) in Victoria's Latrobe Valley, the second largest and lowest cost brown coal resource in the world, with the aim of reducing emissions from brown coal-generated electricity by 50 per cent compared to current technology.

Brown Coal Innovation Australia (BCIA) has allocated \$1 million to the technology trial, which is designed to maximise the value of Australia's unique resource by significantly reducing emissions associated with the use of brown coal. The collaboration was announced today by Victorian Minister for Energy and Resources, Russell Northe, at the third International Low Rank Coal Industry Symposium in Melbourne.

CSIRO Energy Group Executive, Alex Wonhas, said DICE technology may allow Australia to economically develop coal reserves while reducing the environmental impacts of the sector. "Australia has the second largest brown coal resource in the world but current utilisation technologies are carbon intensive so we need to implement cleaner and more efficient ways to generate energy from coal," Dr Wonhas said.

"CSIRO is excited about the potential for DICE to lower power costs, halve carbon dioxide (CO₂) intensity and create a new export market for both brown and black coal."

The advanced coal technology involves converting coal or biomass into a water-based slurry that is directly injected into a large, specially adapted diesel engine. The fuel burns to produce intense temperature and pressure in the engine, which provides highly efficient power to turn electrical generators. An existing laboratory scale prototype engine will trial fuel based on Victorian brown coal and this work will be followed by trials using the same fuel in a large scale test engine in Japan.

This research will help determine whether DICE can enable brown coal to produce Australia's lowest cost, reduced CO₂ electricity for the staged replacement of existing coal power plants. The project is supported by industry partners including Exergen, Ignite Energy Resources, AGL, MAN Diesel & Turbo and EnergyAustralia.

"The energy sector has long been a lynchpin of our country's economic prosperity and coal is expected to continue to make an important contribution in decades to come. I believe CSIRO has a critical role to play in supporting industry to minimise the environmental impacts from coal through the application of world leading science," Dr Wonhas said.

BCIA receives funding from the State of Victoria and the Australian National Low Emissions Coal Research and Development Ltd. More information about DICE visit [HERE](#)

More from CSIRO-

FUTURE CYBER THREATS TO CAUSE MORE HEADACHES THAN 'HEARTBLEED'

Tomorrow's hackers could shut down infrastructure and defraud the public sector of billions according to a new report released by CSIRO at CeBIT's Cyber Security Conference today.

Many of these future attacks could take advantage of vulnerabilities similar to 'Heartbleed', a major internet security flaw which allows attackers to gain access to encrypted passwords, credit card details, and other data on trusted websites including Facebook, Gmail, Instagram, and Pinterest.

The recent Heartbleed exploit is one of the biggest security threats the internet has ever seen. Hackers could soon use holes in computer security similar to Heartbleed to shut down energy grids, disrupt public services, and steal vast amounts of private data worth billions of dollars, unless measures are taken now to prepare for such scenarios.

"Despite recently being ranked second in the Asia-Pacific region when it comes to cyber-security capabilities, we need to recognise that our increasing reliance on digital services leaves us potentially vulnerable at unprecedented scales," said Mr James Deverell, Director, CSIRO Futures.

"The sheer complexity and interconnectedness of different elements of our digital economy means we can expect rapid exponential growth in the number, speed, and severity of breaches - far beyond what any single organisation can tackle on its own."

CSIRO's latest report, called Enabling Australia's Digital Future: Cyber Security Trends and Implications, looks at how a far greater number of future online attackers - anyone from a disgruntled employee to organised cybercriminals - could cause widespread disruption and financial losses by hacking into Australia's digital services and infrastructure, including public services like patient health records and taxation data.

The report suggests that the damage from these cyber threats could be immense, including using Heartbleed-like vulnerabilities to defraud the healthcare system of up to \$16bn by 2023; disabling energy grids at critical times, such as during heatwaves; and hacking public-sector databases to leak or sell confidential data - anything from individuals' tax file numbers or patient records to sensitive national security and defence information.

"The more we rely on digital services for our basic needs like healthcare and energy, the more drastic the consequences of any breach may be," said Mr Deverell.

"As we begin to develop and embrace these services, it's in our national interest to ensure they're designed with simplicity and transparency in mind from the very start."

The report calls on businesses, public-sector organisations, and everyday Australians to:

- Embrace more open disclosure and work together when a breach occurs;
- Focus on simplifying digital systems, including designing "invisible" security measures that don't hassle or slow down users;
- Invest in new systems to verify and protect an individual's digital identities from theft or fraud. For example CSIRO is currently researching and developing digital identity frameworks for use throughout Australia and the European Union.

"As shown recently in the international response to the Heartbleed exploit, collaboration and open disclosure are essential when tackling threats that cross networks, industries, and national borders," said Professor Jay Guo, Research Leader - Smart, Secure Infrastructure, CSIRO's Digital Productivity Flagship.

"We need to dispel the fear of the consequences of disclosure - including those to brand reputation and shareholder value - that currently discourages Australian organisations from full openness about breaches, and share our resources and knowledge to devise more effective, timely cyber-security solutions."

"Instead of being caught up in a digital arms race against increasingly intelligent threats, we need to design our cyber-security approaches to focus on people - anticipating their behaviours and taking advantage of their unique traits," said Professor Guo.

"No system will ever be perfect, but we can prevent and minimise the impact of even extremely complex threats by approaching cyber security as a community."

James Deverell will be speaking at the CeBIT Cyber Security 2014 conference at 2.05pm AEST at Novotel Sydney Olympic Park.

Media accreditation to attend CeBIT Conferences is available at <http://www.cebitt.com.au/media-centre>

For Background: Overview of Cyber Security Future Scenarios

Enabling Australia's Digital Future: Cyber Security Trends and Implications contains a series of three potential cyber-security scenarios for the future, covering the following sectors:

Energy: By 2025, the electricity grid is highly automated and use of "smart" digital meters is widespread. A disgruntled employee, operating alone, is able to tunnel into an unprotected part of the system and shut down the grid during a heatwave, causing major power outages across the country, lost earnings in the billions of dollars, and several suspected fatalities.

Healthcare: Digital services are now used widely throughout Australian healthcare, but security and compliance processes have struggled to keep up. By 2023, widespread fraud from both individual practitioners and cybercrime rings is costing the system up to \$16bn in fraudulent claims - equivalent to 10% of Australia's total healthcare spending. Some criminals are even hacking into sensitive patient records and charging hospitals "ransoms" of up to millions of dollars to get control back.

Government: When "hacktivists" - hackers motivated by ideological or political values - breach a set of classified Government records, an unknown third party uses the same method to steal large volumes of citizen data. The Government reacts by taking every impacted department offline - resulting in widespread public outcry at the disruption caused to trade and public services, in addition to fears about identify theft and exposure of individuals' personal data.

STOP PRESS ANNOUNCEMENT! Another grant

MESSAGE FROM THE COMMITTEE - Permaculture Cairns has been successful in gaining \$4000 through the Cairns Regional Councils Sustainability Grant program to be used to run a series of workshops starting late this year and continuing into next year.

The proposed workshops are:-

Recycling kitchen waste by compost bins, worm farms, bokashi bins and other methods.

Propagation of plants and seedlings

Growing food the Permaculture way

Weeds, why they grow where they do and how to defeat/use them

Ferro cement construction

Creating a Wicking Bed out of a raised garden bed

We thank Cairns Regional Council Sustainability Grants Program for making these workshops possible

Ongoing Date Claimers

Tablelands LETS MAY Calendar

***** MAY is SPONSORSHIP month!! * * * * *

To raise Bartles to pay our talented LETS web designers to create a modern, effective website, we are hosting an extra sponsorship month in May 2014. If you are an existing LETS account holder and would like to sponsor someone you know to join LETS, in lieu of them paying \$20, you pay 20B from your account instead. Email tablelandlets@gmail.com or see your Local Area Contact.

EVERY Thursday Chakra Meditation from 9am to 10am at The Closet Hippy, Malanda. Each week until 22nd of May we will do a guided mediation as we work our way through the chakras of the body. Payment by Bartle donation.

Saturday 10th 10am - 1pm Mareeba Trade Day, 7 Kenneally Rd, Mareeba. This event is on the same day as the Mareeba Markets, head over and make a day of it, children welcome. Bring along something to trade and a plate for shared lunch. **Contact Tash for more info 0432984977.**

Sunday 11th 1.30pm Walkamin Trade at Gloria's - 29 Wattle St, opposite the tennis courts Take the turn off at the phone box at Walkamin shop, follow that street down to 2nd turn on the left. All weather event! **For more info, call Gloria on 0437645892 or email - gloria123au@hotmail.com**

Saturday 17th 9am - 1pm Regular LETS Trading @ Recharge Kuranda, situated at the Original Kuranda Market. Bring something to trade: produce, skills, creations, second hands/pre loved or repurposed and more! RealFood is offering 100% Bartles for 100% Local Fruit & Veg on the day. Bring friends and family. **Contact Sjeord for more details 0488552671**

Sunday 18th 11am-3pm Cassowary Coast Trade & Social Gathering - Johnstone River Community Gardens, Flying Fishpoint Rd, Innisfail. Bring a plate to share, eating utensils make use of the BBQ. Tea/Coffee by gold coin donation. Lunch will be at 12 noon. Trade starts 1pm. A child-friendly venue. **Weather permitting – ring Suari for confirmation 0403115261.**

Sunday 18th from 12pm Wondecla Trade day at the sports ground opposite the servo directly after the Wondecla Market. Starr will have a market stall selling fresh herbs, join her for LETS trading from noon. Bring a chair, a rug or small table to display your wares and lunch to share. **Contact Starr for further info 0467090207 or starmaree@gmail.com**

Tuesday 20th 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.**

Thursday 22nd 6 - 8pm Trade Evening at The Octupi Garden Sanctuary, 78 Grigg Street, Ravenshoe (the lil blue shop). LETS gather to share some food, trade services, skills and wares. Children welcome! Please bring a plate. **Contact Hayley 0416528177 or hayleybuchanan8@hotmail.com**

Saturday 24th 12 - 2pm Yungaburra Trade at *that retro cafe*, Shop 2/20 Eacham Rd (Next to Miss Megs/My Habitat). Drinks available for 100% bartles. Children most welcome. This event is **directly after the Yungaburra Markets.** **Contact Melitta on 0437216122.**

Sunday 25th 4 - 7pm Tolga Trade afternoon at PETALS - The old Rose Farm, 7403 Kennedy Highway. Bring along goods to trade and a plate to share. **Contact Sjoerd on 0488552671.**

Digger Street Cairns LETS Trade day, entrance at 346 Sheridan Street Cairns. – details to be confirmed. Contact Louise on 40283177 or 0466090023 for further info.

What to bring to Trade Events where not specified above: food & drinks for yourself or to share, or money and/or Bartles at some venues, friends, Trading Record Sheet and pen, any goods you wish to trade, table/rug to display them upon is often useful, your own chair at some venues, promotional material of any services you are offering if applicable, \$20 if you don't yet have a LETS account.

tablelandlets@gmail.com - 4096 6972 - lets.clearwater.com.au - www.communityexchange.net.au

PERMIE RESOURCES, & SERVICES

RESOURCES:

“Notes from the Workshops” All notes from the Permaculture Cairns Resilient Communities Workshops are now available for purchase at the **For sale at the meeting and at Enviromart Australia in Aumuller Street,**

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 present for anyone wanting to grow their own food.

SERVICES:

Do you need help to plan or build your garden???

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 – Readymade moveable gardens, suitable for patio or balcony. A wicking bed of herbs and vegetables that will be enjoyed all year.

Contact Tegan 0402 853 903

MORINGA TREES: - Tropical Vegetable Plants available from Enviromart Australia in Aumuller Street or phone Carol 0414900717

Please note Memberships fees are now due payable for 2014

Memberships form may be completed online on our web site and emailed to us from there, payments may be made by direct credit to Permaculture Cairns, Cairns Penny

Bank account -BSB 70-966 A/c 100009440 please use your Surname as reference.



Permaculture Cairns

Membership Form 2014

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

☐ Household membership \$30 ☐ Renewing Member ☐

Individual membership \$20 ☐ New Member ☐

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

.....

.....

.....

Postal Address:

..... Postcode:

Phone(s):

Email:

Signature:

Payment may be made at Meetings, at Bank or 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.

Do you have skills that you would be willing to share that would be of help to Permaculture Cairns? If so please give details below-

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Permaculture Cairns Public Meetings - All Welcome Third Tuesday of month Feb to Nov (Second Tuesday Dec). Doors open 6.30pm, meeting starts at 7pm at: Flexible Learning Centre, 90-92 Clarke St. (off Hoare St), Manunda

Enquiries

President: Carol Laing workshops@permaculturecairns.org.au

Secretary: Tegan McBride: info@permaculturecairns.org.au

Treasurer: Jenny McGrath treasurer@permaculturecairns.org.au

Website: www.permaculturecairns.org.au