



Earth Building Association of New Zealand

*... promoting the art and science of earth building*

[www.earthbuilding.org.nz](http://www.earthbuilding.org.nz)

PO Box 1452, Whangarei

## **EB News 16, 22 July 2006**

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### **The Earthbuilding Association of New Zealand (EBANZ)**

EBANZ is a network of enthusiastic and experienced volunteers, who are interested in promoting environmentally friendly, sustainable building, with a focus on earth as a construction material.

EBANZ publishes this bi-monthly magazine, runs an interactive web site, lobbies government organisations, sends out regular email newsletters (EB News), organises an Annual Conference and local events in your area to promote earth building.

### **Now here's a bit of trivia for you...**

1. The amount of waste we produce in New Zealand would fill a single storey bus every six minutes.
2. Each Kiwi is said to produce an estimated 1022kg of waste per year, considerably more than the average American.
3. Every month the people of NZ dispose of enough rubbish to fill a rugby football field to more than 30 stories high.
4. Nzers are amongst the highest producers of waste per person in the world. Generating about 2.8kgs of waste per person per day.
5. 80% of what we make, is thrown away within six months of production
6. About 94% of the materials extracted for use in manufacturing durable products, become waste before the product is completed
7. 10% of the average grocery bill pays for packaging (mostly paper and plastics) - that's more than goes to the farmers.

### **Check out these websites for more facts:**

<http://www.mfe.govt.nz>

<http://www.wasteminz.org.nz>

## **Experimental Earthbuilding: Hands-on Workshop**

August 25, 26 & 27th, Nelson

In this workshop you can discover the unlimited possibilities of the building material earth. Places are restricted in order to do some serious hands-on work in small groups and enable you to get one-to-one tuition.

The Workshop covers the themes:

- Experiment with earth plasters, natural paints and sealants.
- Building in cob, light-earth, wattle-and-daub (traditional techniques).
- Lay a small adobe tile floor.
- Do artwork such as mosaics and reliefs.
- Basic Earthbuilding theory.

Email: [contact@solidearth.co.nz](mailto:contact@solidearth.co.nz)

Phone: 03-5450240



## **In the next issue of Earthbuilding Magazine we:**

- Update the happenings at Awawaroa Eco Village - the final share in the village is sold.
- Labour weekend 21-23 October 2006 and will be based in Thames Earthbuilding visits the home of Linda Hodson.
- Set out EBANZ's latest research project: increasing the thermal performance of ADOBE.
- Survey a range of Earthbuilding Education available in New Zealand, including the Summer Do, Adobe workshops and others.

## **Wind, Hydro, Solar PV and Solar Hot Water Workshop**

7-8th October 2006 NewPlymouth

Strip down and rebuild/modify your own wind/hydro turbine in our workshop on the outskirts of New Plymouth NZ. Course includes: analysis of site, guyed towers, wind turbine types, turbine manufacture, turbine installation, system installation, energy efficient homes, living with renewable energy, site tours. Course will also briefly cover Solar PV and Solar hot water heating systems.

At the end of the course you will take away with you a completed wind/hydro turbine and our reference workbook. Price includes food and accommodation for the two-day/one-night course. Workshop runs subject to a minimum number of participants.

<http://www.ecoinnovation.co.nz/product.php?group=10>

Phone: 06 7522765



## **Digital Earth 06 Summit on Sustainability**

27 August 2006 to 30 August 2006, Auckland

Venue: Auckland Convention Centre @ THE EDGE

The Digital Earth Summit on Sustainability represents the most significant scientific gathering ever held in this part of the world. Its focus will be on the most important issue facing us – long-term survival. The Summit will focus on how technology and the data it provides can best be applied to achieve sustainability in all sectors of society and the environment. Of specific relevance to the New Zealand summit is its potential to become a “collaboratory” – a full societal enterprise – for researchers seeking to understand the complex interaction between humanity’s economic, social, and cultural activities and our environment.

[www.digitalearth.org.nz](http://www.digitalearth.org.nz)

## **Permaculture Course**

Friday September 15 to Saturday September 30, 2006 Taranaki Environment Centre

Cost: Sliding scale NZ\$900 - \$1200

Discover a permanent awareness of strategies for living lightly. A design process in and of itself - we learn to shape alternative futures. Learn the Science of Ecological Design with some of NZ's finest educators for sustainability with Grifen Hope and friends.

<http://www.vironaki.co.nz>

Email: [info@vironaki.co.nz](mailto:info@vironaki.co.nz)

Phone: 06 7588523



### **Permaculture Course**

Friday October 6 to Sunday October 22, 2006

Ohaaki Marae, between Taupo and Rotorua

We will focus on eco-village design and community learning. Great opportunity to have some practical experience benefitting the local community long-term. (e.g. earth building, worm farming, setting up gardens, designing money systems, tree planting etc.)

Jo Pearsall and Bryan Innes have many years experience in applied permaculture and have been teaching for 15 years.

Cost: Tuition, notes, field trips accommodation and food for 15 days; sliding scale \$900-\$1200. \$200 minimum deposit to secure your place.

Contact: Jo or Bryan

Email: [info@livinglightly.org.nz](mailto:info@livinglightly.org.nz)

### **EBANZ Conference 2006**

Labour weekend 21-23 October 2006, Thames

Our EBANZ Conference is all go as Gwenyth and Colin have another great weekend organised. Final details at this stage are yet to be confirmed. The Conference will be at Labour weekend 21-23 October 2006 and will be based in Thames. Most likely Possible at the Kauaeranga Valley Christian Camp where bunk room accommodation will be available.

The weekend will include

- Saturday: a home tour, followed by the AGM and evening speakers.
- Sunday: a practical/ learning hands on experience (instruction on cob, adobe, insitu adobe, light earth) followed by a slide evening or earth building video/DVDs.
- Monday: a half day option of more homes to visit or more hands on earth building techniques.

More details once they are confirmed,

If you have any ideas or comments on what you would like to see, lets have them.

Contact: Richard Morrison 04 5686838

Email: [RFMdesign@paradise.net.nz](mailto:RFMdesign@paradise.net.nz)



One of the homes we will be visiting.

### **Permaculture Design Certificate**

Saturday Oct 7 to Sunday November 19, 2006

This is a very practical hands-on course where participants put directly into practice in-situ on Tui land what they learn theoretically. The teaching style is interactive, energizing and fun - a balance of head, heart and hands!

The course includes covering the standard international two week Permaculture Design Certificate curriculum, spread in an integrated way over the full duration, culminating in a main design project, applied near Tui's education & cultural centre.

Participants will also be given guidance in the designing of their own properties/a property of their choice, and will be given research to do in this respect, in advance of the course.

Number of Participants: 8 - 12, full time. Cost: Course is still being budgeted - aiming to be affordable.

Contact: Robina McCurdy

Phone 03 5258399

Email: [robina@win.co.nz](mailto:robina@win.co.nz)

### **EarthBuilding Association of Australia**

AGM and Annual Conference

Saturday 26 and Sunday 27 August, 2006

Pacific Palms NSW (3 hours drive north of Sydney, 1.5 hrs north of Newcastle)

Members of the public are welcome to all the talks and tour.

Saturday:

- AGM in the morning,
- Guest speakers in the afternoon will include:
  - Bernie Hockings: the national presenter of AccuRate
  - Ray Trappel: Architect, builder and 2005-6 ebaa Chairman
  - Peter Hickson: reporting on the Phillipines project
  - Peter Jirgens: a civil Engineer, mud brick maker and researcher
- A show and tell: where you can bring your own personal projects and show them
- Evening dinner followed by videos (Yemeni earth buildings, rammed earth, adobe bricks cob construction)

Sunday:

- House tour

The weekend will be held at Mobys Beachside Retreat, Boomerang Beach, Pacific Palms NSW (3 hours drive north of Sydney, 1.5 hrs north of Newcastle.) (Great package deals available from Mobys for those wishing to stay on for extra days)

Further Information contact Gavin Scott

Phone: 04 27592093

Email: [gavsearthbound@yahoo.com](mailto:gavsearthbound@yahoo.com)

or the ebaa web site: [www.ebaa.asn.au](http://www.ebaa.asn.au)

### **Are you interested in helping to guide EBANZ into the future?**

We are always looking for Volunteers for a range of tasks. If you could assist with please contact

Richard Morrison 04 5686838

Email: [RFMdesign@paradise.net.nz](mailto:RFMdesign@paradise.net.nz)

or

Peter Olorenshaw 03 5466176

Email: [petero@tasman.net](mailto:petero@tasman.net)

### **Additional Courses of Interest**

Click-through to the courses below to find further information (please ensure that you confirm all event details with the organisers). If you have any events or courses you would like listed in a future EB News, please email the details to the editor, [Richard Morrison](mailto:Richard.Morrison@ebanz.org.nz).

Radio FM 104.6	Green Planet Discussion	Radio FM 104.6	Thur 8-9 am
<a href="http://www.ecofestnelsontasman.co.nz">www.ecofestnelsontasman.co.nz</a>	Ecofest 2006	Nelson	13-14 August 06
<a href="http://www.solidearth.co.nz">www.solidearth.co.nz</a>	Experimental earth building- Hands on	Nelson	25-27 August 06
<a href="http://www.digitalearth.org.nz">www.digitalearth.org.nz</a>	Summit on Sustainability	Auckland	27-30 August 06
<a href="http://www.environaki.co.nz">www.environaki.co.nz</a>	Permaculture Course	New Plymouth	15-30 Sept 06

<a href="http://www.ecoinnovation.co.nz">www.ecoinnovation.co.nz</a>	Wind Hydro Solar PV and Hot Water	New Plymouth	7-8 October 06
<a href="mailto:info@livinglightly.org.nz">info@livinglightly.org.nz</a>	Permaculture Course	Taupo	6-22 October 06
<a href="mailto:robina@win.co.nz">robina@win.co.nz</a>	Permaculture Design Certificate	Golden Bay	7 Oct-7 Nov 06
<a href="http://www.earthbuilding.org.nz">www.earthbuilding.org.nz</a>	Annual Conference Earth Building Association of New Zealand	Thames	21-23 October 06
<a href="http://www.Koanga.org">www.Koanga.org</a>	Recycling waste water	Koanga	21 October 06
<a href="http://jasperweb.cpit.ac.nz">jasperweb.cpit.ac.nz</a>	Wind Water Earth and Sun Sustainable living	CPIT Christchurch	28 October 06
<a href="http://www.Koanga.org">www.Koanga.org</a>	Earth Stoves	Koanga	4-5 November06
<a href="http://www.branz.co.nz">www.branz.co.nz</a>	BRANZ CITE course on Sustainability	Wellington	6-10 November 06

**In this space we would like to acknowledge members who have contributed to the success of the EBANZ organisation.**

**This month we introduce Thjis Drupsteen, Structural Engineer, Committee Member and one of our EBANZ Regional Contacts.**



Life member of The Earth Building Association of New Zealand. A structural designer of earth buildings since 1983. Also structural design of strawbale houses and all conventional timber structures. Small bridges and culverts. Fire safety reports. Passive residential solar design. Small commercial buildings.

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