



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 17, 2 September 2006**

**Please feel free to pass this newsletter on to friends!**

[EBANZ Website](#)

[Join EBANZ](#)

[Subscribe to EB News](#)

[Contact Richard Morrison, the Editor](#)

### **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.

### **EBANZ Conference 2006**

EBANZ Earth building Conference, Bus Tour, Hands on earth building and AGM 2006

21, 22, 23 October 2006, Labour weekend, Thames on the Coromandel

Visit some great earth homes, Meet some fellow muddies, Gets some great hands on experience,

Saturday 21 October,

Meet 8am in Thames- A bus tour visiting five homes (two adobe brick, one cob, earth plaster on timber and a very creative cement clay, paper, rotten rock home. Lunch provided.

Evening program- EBANZ display, dinner, AGM, guest speakers.

Saturday 22 October,

Meet 9am in Thames- Either a bus tour visiting another five interesting homes (two cob, one adobe, one strawbale, one stone building) or practical hands on day exploring cob

building, earth floors, earth plasters, adobe bricks.  
Evening program- Dinner, followed by Videos and DVDs.

Monday 23 October

Meet 9am in Thames- A half day of practical hands on exploring cob building, earth floors, earth plasters, adobe bricks. Finish lunch time.

Whole weekend- Bus tour, hands on, food and accommodation,  
Member \$195-00

Non member \$235-00 (includes free membership for one year)

Saturday only- Bus tour, lunch and dinner,  
Member \$75-00

Non member \$115-00 (includes free membership for one year)

Sunday only- Bus tour or Hands on day and lunch,  
Member \$75-00

Non member \$115-00 (includes free membership for one year)

Monday morning only- Hands on half day,  
Member \$50-00

Non member \$90-00 (includes free membership for one year)

For further information contact-

Gwenyth Wright phone: (07) 8683844 email: [gwenyth@paradise.net.nz](mailto:gwenyth@paradise.net.nz)

Colin Broadley phone: (07) 8683844 email: [colinb@paradise.net.nz](mailto:colinb@paradise.net.nz)

Rosemary Peek phone: (07)3776347 email: [harpo@xtra.co.nz](mailto:harpo@xtra.co.nz)

Eric Zwaan phone: (07) 8689664 email [zwaninn@paradise.net.nz](mailto:zwaninn@paradise.net.nz)

Book now as number may need to be limited.

Please download the registration form off the web site [www.earthbuilding.org.nz](http://www.earthbuilding.org.nz) and send it to Peter Olorenshaw phone: c/- 10 Ralpine Way, Maitai Valley, Nelson.



### **Potential for Solar Energy in New Zealand is Huge says EECA**

Solar water heating has huge potential for energy savings for households and businesses but how much this is realised depends on New Zealanders' acceptance and understanding of solar as a renewable energy source said Heather Staley, Chief Executive of the Energy Efficiency and Conservation Authority (EECA).

"In the long term solar heating is both cheaper and a renewable source of energy which is better for the environment.

"Water heating consumes up to 45 percent of household electricity. Initial installation costs vary, but start at about \$3000. Once installed, solar heating can save a household \$350-\$450 per year.

"If every household in New Zealand had solar water heating it would reduce demand for electricity annually by more than the amount of electricity used by Christchurch City."

More than 22,000 homes in New Zealand currently have solar heating. The Solar Industry Association Industry has set itself an annual target of 10,000 homes and EECA is working with the industry to help them achieve that goal.

"It is encouraging that in the last 12 months around 1800 new solar water heating systems have been installed in homes around New Zealand. This is an increase of around 50% on the previous year."

To date the Government has allocated more than \$400,000 in grants to promote solar water heating as an option.

People wanting more information on solar heating as an option should visit the Solar Industry Association website [www.solarindustries.org.nz](http://www.solarindustries.org.nz) or [www.solarsmarter.org.nz](http://www.solarsmarter.org.nz).

Thanks to Energy Efficiency and Conservation Authority, for more information check out their website [www.energywise.org](http://www.energywise.org)

## **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.

[www.ecoinnovation.co.nz](http://www.ecoinnovation.co.nz)

## **Permaculture Course**

15-30 September, 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.

See our website for further details: [www.vironaki.co.nz](http://www.vironaki.co.nz)

Contact: (06)7588523

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

## **Permaculture Design Certificate Course**

6-22 October, 2006, Ohaake Marae, Taupo

Want to learn how to live a rich, abundant, healthy life by working with systems which contribute to ecological recovery?

Want to live in the 21st Century without being in chronic despair?

Want to eliminate the scourge of power bills, interest payments and corporate profits from your life.

Our permaculture design certificate course will show you:

- how to avoid the trap of debt
- how to be energy autonomous
- how to provide most of your own food requirements
- how to build a 120 square metre passive solar home for under \$40,000
- how to create your own compost toilet and grey water wet-land system

Keep your eye on the big picture Live ethically and gracefully now!

Learn from New Zealand's own experienced, cutting edge practitioners, educators for sustainability Jo Pearsall and Bryan Innes and from other first class teachers.

Venue: Ohaake Marae, Taupo where Nga Whare Oranga Trust is building New Zealand's first whanau eco-village from pumice and clay

This course is for you whether you live in town or country.

Dates: 6th to 22nd October 2006

Apply [permaculture@ecoshow.co.nz](mailto:permaculture@ecoshow.co.nz)

Phone +64 7 377 8910 or 021 799 056



**My name is Tim Wernham and I am very keen to begin a career in energy efficient building.**

I am currently searching for builders and designers that work in this area asking for any kind of advice or information that would lead to building work, or a building apprenticeship with an energy efficient/ eco friendly builder or designer.

Over the last three years I have completed a certificate in mountain recreation (level 3), worked with builders as a labourer renovating houses and have recently returned from twelve months travelling around Europe.

Any kind of advice or information that you could provide me with would be extremely

appreciated.

Thank you for your time

Tim Wernham email: [timmeextreme@gmail.com](mailto:timmeextreme@gmail.com)

### **'Hands on Permaculture'**

7 October - 19 November, 2006, Tui Community, Golden Bay, New Zealand

A practical course for lifestyle properties

Course content includes:

- permaculture (integrated land-use) design & its implementation
- rural land management (eg orchards, pastures, trees, water systems)
- organic growing methods (eg vege gardens, herbs, animals)
- natural building & appropriate technologies
- community-scale planning for sustainability
- ecological restoration & bioregional wildcrafting

Tutors: Robina McCurdy & Huckleberry Leonard,

For their backgrounds, visit: [www.greenworld-earthcare.org](http://www.greenworld-earthcare.org)

For further information, visit: [www.tuitrust.org.nz](http://www.tuitrust.org.nz)

Contact: Robina McCurdy, Email: [robina@win.co.nz](mailto:robina@win.co.nz) Phone +64 3 5258399 (message)



**Are you interested** in helping to guide our Organisation into the future? The next AGM is coming up so we are always looking for active Committee members. EBANZ also needs volunteers, people with vision and guiding hands with various skills to do a range of tasks.

If you would like any more information on how you could assist with please contact

Richard Morrison (04)5686838 [RFMdesign@paradise.net.nz](mailto:RFMdesign@paradise.net.nz)

or Peter Olorenshaw (03)5466176 [petero@tasman.net](mailto:petero@tasman.net)

### **Natural Building Intensive**

2-8 September 2006 California USA

Hey everyone!

We still have room in our Natural Building Intensive September 2-8 here at Emerald Earth. This is a week-long hands-on overview of natural building techniques, materials, and design. It has been very successful every time we've taught it over the last 5 years. People leave the workshop with a new understanding of the range of options for building with earth, straw and natural wood, and with an empowering new set of technical skills. This year's hands-on projects will include building and plastering a straw bale wall and a light straw-clay wall in a house under construction; building a clay-wattle wall and pouring an earthen floor in another home; completing a cob garden wall with an experimental earthen roof, and plastering our beautiful new garden shed. All of that plus slide shows, lectures, tours of the most complete natural building demonstration site in California, awesome organic meals, and more! Instructors are Michael G. Smith, Darryl Berlin, and Sara McCamant, all of Emerald Earth. The cost is \$500. Please help us to get the word out far and wide. For more details, either email us back at this address, or check out our web site: [www.emeraldearth.org](http://www.emeraldearth.org). Thanks!

Michael G. Smith



### 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@emeraldearth.org).

|   |                         |                |              |
|---|-------------------------|----------------|--------------|
| Radio FM 104.6  | Green Planet Discussion | Radio FM 104.6 | Thur 8-9 am  |
| <a href="http://www.environaki.co.nz">www.environaki.co.nz</a>              | Permaculture Course     | New Plymouth   | 15-30 Sep 06 |
| <a href="http://www.ecoinnovation.co.nz">http://www.ecoinnovation.co.nz</a> | Wind Hydro Solar PV and | New Plymouth   | 7-8 Oct 06   |

|  |  |                   |                |
|--|--|-------------------|----------------|
|  | Hot Water  |                   |                |
| <a href="mailto:info@livinglightly.org.nz">info@livinglightly.org.nz</a> | Permaculture Course  | Taupo             | 6-22 Oct 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/<br>House tour/<br>hands on, Earth Building Association of New Zealand | Thames            | 21-23 Oct 06   |
| <a href="http://www.koanga.org">www.koanga.org</a>                       | Recycling waste water  | Koanga            | 21 Oct 06      |
| <a href="https://jasperweb.cpit.ac.nz">https://jasperweb.cpit.ac.nz</a>  | Wind Water Earth and Sun Sustainable living  | CPIT Christchurch | 28 Oct 06      |
| <a href="https://jasperweb.cpit.ac.nz">https://jasperweb.cpit.ac.nz</a>  | Earth and Strawbale Building   | CPIT Christchurch | 4 Nov 06       |
| <a href="http://www.koanga.org">www.koanga.org</a>                       | Earth Stoves   | Koanga            | 4-5 Nov 06     |
| <a href="http://www.branz.co.nz">www.branz.co.nz</a>                     | BRANZ CITE course on Sustainability  | Wellington        | Early 2007     |

**In this space we would like to acknowledge members who have contributed to the success of the EBANZ organisation. This month we introduce Graeme North, our DBH, BRANZ, SNZ Liasion and Committee Member.**



Graeme is a Registered Architect and permaculturalist who designed his first earth building in 1971. Since then he has gone on to design "too many earth buildings to recall", as well as strawbale and other buildings. Recent commissions include several multi-building eco-developments. He is known internationally as a "generalist" in earth building as his repertoire covers virtually all earthen techniques, although he now concentrates on the use of natural unstabilised clay.

He was the founding Chairman of EBANZ, and is Chairman of the joint Standards NZ/Standards Australia Technical Committee for Earth Building, which wrote the suite of NZ Earth Building Standards. For this work he received the only NZIA Research Award for Architecture ever made, as well as a Meritorious Service Award from SNZ. He is a Life Member of EBANZ and has received the Elizabeth Drupsteen Award from EBANZ.

Phone 09 4259305    Email [ecodesign@xtra.co.nz](mailto:ecodesign@xtra.co.nz)

[EBANZ Website](#)

[Join EBANZ](#)

[Subscribe to EB News](#)

[Unsubscribe from EB News](#)

#### **THIS IS NOT SPAM**

Your email address is on our database as part of your subscription to EBANZ, or because you have expressed an interest in receiving EB News to one of our members. If you do not wish to receive the EB News, we apologise - please select the UNSUBSCRIBE link above. Please do not reply to this email address as it is not monitored.