



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 12, 2 February 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.

**Welcome to the new EB News recipients who signed up at the Levin Organic River Festival. There are more photos and articles about the two day event the next Earth Building magazine.**



### **Special Deal for EBANZ Members Purchasing The Earth Building Standards**

30% discount for individual Earth Standards. 40% discount for the full set.

NZS 4297:1998

Engineering design of earth buildings

Provides for the structural and durability design of unfired earthen wall buildings. The scope is limited to adobe, pressed brick, poured earth and rammed earth and which contain clay and silt and which rely on the clay and silt particles present to achieve satisfactory performance with or without chemical stabilization. Such materials shall comply with NZS 4298 "Materials and Workmanship for Earth Buildings".

NZS 4298:1998

Materials and workmanship for earth buildings

Sets out requirements for the materials and workmanship requirements for the use of unfired earth in the form of adobe, pressed earth brick, rammed earth or poured earth. It applies to buildings which are designed in accordance with NZS 4297 "Engineering Design of Earth Buildings" and NZS 4299 "Earth Buildings Not Requiring Specific Design". This Standard provides a means of compliance with the materials and workmanship requirements of earth walled structures. Test methods for earth building materials and criteria for acceptable results are included.

NZS 4299:1998

Earth buildings not requiring specific design

Sets down construction requirements for earth walled buildings not requiring specific engineering design. Many drawings of construction details which have been proved in New Zealand are included to help builders in earth to achieve durable and weatherproof buildings. To be used in conjunction with NZS 4298 "Materials and Workmanship for Earth Buildings".

For more information on an [EBANZ membership](#). For information on the special New Zealand Earth Building Standards discount please contact [Richard Morrison](#).

### **Saturday 25 February 2006, Hamilton**

To be held during The Hamilton Gardens Summer Festival in conjunction with the Right Bank Festival. Celebrating sustainability. Come along to be inspired, nourished, informed & entertained. Take a day out to get all the information you need on native plantings, herbs, energy efficiency, recycling, composting, wormfarming & other skills you can use to make your home more comfortable, productive & sustainable.

Featuring:

- Delicious food & drinks
- Workshops & talks on a range of topics
- Displays & trade stalls from businesses & community groups.
- If you are interested in being involved contact us before the end of 2005

For more details, see [www.permaham.boo.co.nz](http://www.permaham.boo.co.nz).



### **Danish Straw Bale House Builder Interested in Sharing His Experience**

My name is Thomas Lynnerup, I'm a Danish straw bale house builder and I'm in New Zealand till 3rd March., My work concerns, passing on the knowledge and experience about my way of living, through lectures, building workshops, consulting and as a builder (mostly straw bale houses and high-efficient thermal mass ovens/rocket stoves). Do you know anyone who could be interested in these sorts of things? I've taught students, self-builders, city councils, Eco-villages, teachers, renewable energy and sustainability organizations...

My lectures concerns my Eco-village "Friland" how and why, sustainable and mortgage free housing/living (ways to do it, new techniques, fast family houses...), energy efficiency (solar, wind, high-efficient thermal mass ovens/rocket stoves, plant oil generator...) different solutions for wastewater treatment etc.

Straw bale house building workshops: My special workshops, is a 10 square meter straw bale house. It can be done very cheap and it a great way to learn about all basics in straw bale house building (foundation, walls, clay plaster, roof...). It's possible to build it in 2-4 days depending on the amount of participants and the skills. Could be an extended weekend. Material price depends on where your find them. The participants fee are usually enough to pay me, depending on the amount of participants and the fee. So if you have the materials and the participants, a workshop is a great way to do it.

Rocket stove workshop: A rocket stove is a high-efficient wood heater, which uses a 1000 degrees Celsius to burn everything (almost no pollution) and then store the heat in a big thermal mass. It uses very little wood to heat a house. At the same time you can use it for cooking and connect it to a hot water container. Material price depends on where your find them.

Consulting: I do consulting in the things we do, know and experienced so far (never ending story). If you need more information (material list...) or are interested, please send me an email.

Yours sincerely

Thomas Lynnerup  
[tblyn@mail.tele.dk](mailto:tblyn@mail.tele.dk)

### **An Intensive Skill-builder For Natural Builders**

**June 5 - July 28, 2006**

**Emerald Earth Community, Boonville, Northern California**



We take a whole-systems approach to ecological building, combining earth, straw, wood, sand and stone in various ways to create inexpensive, efficient hybrid structures. Each week will include 25-30 hours of supervised hands-on building, 2-5 hours of "classroom" time, and an individual research project. We will also take several field trips to explore and participate in other natural building projects around Northern California. The group will be very small (maximum 6), allowing lots of individual supervision and skill-building. Participants will be integrated into the dynamic social context of the community, sharing meals, cooking and cleaning tasks, meetings, fun and games with other residents. The supportive learning environment will focus on developing skills not only in building but also in group living, leadership and communication. This program is recommended for people who want to take their education further than is possible by attending short workshops or by training in a single technique, especially for owner-builders and for those working towards a career in natural building. No previous experience is required.

Things you will learn:

straw bale cob straw-clay (slipstraw) other earthen wall systems (wattle-and-daub, clay wattle, adobe) round pole framing and basic carpentry earthen floors natural plasters and paints (clay and lime plasters, alis paints, etc.) alternative foundations (rubble trench, earthbags, rammed tires, etc.) sustainable materials harvesting home power generation passive solar design structures and processes for intentional communities and lots more about natural building, rural homesteading, and working in groups.

Cost and registration: There are two courses: The Natural Building Intensive, Sept 2-8, which covers many of the same topics condensed into a single week. Cost is \$500 and the 8-week program costs \$3000, including instruction, on-site camping, field trips, and organic, mostly vegetarian meals. We require a written application, and encourage a visit to the community to meet the instructors and other residents.

For more information or an application: Phone (707) 895-3302 or email [workshops@emeraldearth.org](mailto:workshops@emeraldearth.org). To see photos and more about the community, check out our web site at [www.emeraldearth.org](http://www.emeraldearth.org).

### **Permaculture Design Course Taranaki 14-28th March 2006**

The original two week intensive Ecological Design Course... fostering a culture of sustainability by the science of design. Learn effective strategies for living lightly on Earth. Be empowered with the language and tools of sustainability. Find the ideas and vision to create self-reliance. Forge a new pathway for yourself, your whanau, and community in the transition towards sustainability.

Venue: Taranaki Environment Centre - the hub of an active bioregional community

Tutor: Grifen Hope, Peter Heard, Geoff and Nadia Lawton, Daniel Nepia and Finn Mackesey.

Cost: \$900-1200 Sliding Scale income dependant.

Contact: Grifen (06)7588523, Email: [grifen@wholehabitat.co.nz](mailto:grifen@wholehabitat.co.nz), Web: [www.vironaki.co.nz](http://www.vironaki.co.nz)



### Enviro Day

Sunday 6 March 2006

Kourawhero Hall, Woodcocks Road, Warkworth.

Contact Graeme North or Dan (09) 4259305

[ecodesign@xtra.co.nz](mailto:ecodesign@xtra.co.nz)

### 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).

[Radio FM 104.6](http://Radio.FM.104.6)

Green Planet  
Discussion

Radio FM  
104.6

Thur 8-9 am

[Robin@win.co.nz](mailto:Robin@win.co.nz)

Earth Building  
Internship

Golden  
Bay

13 Jan-13 April 06

[permaham@actrix.co.nz](mailto:permaham@actrix.co.nz)

Good Life Expo

Hamilton  
Gardens

25 February 06

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

Permaculture  
Design Course  
Earth oven  
workshop  
Open days and  
other courses

Warkworth  
Warkworth  
Warkworth

17-31 March 06  
8 April 06  
Various dates

<a href="http://www.solidearth.co.nz">www.solidearth.co.nz</a>	Earth Oven Advanced adobe workshop Experimental earth building	Nelson Golden Bay Nelson	29 January 06 7-11 February 06 29-30 April 06
<a href="http://www.Koanga.org">www.Koanga.org</a>	Woodlots forLifestyle Blocks Pizza ovens Various Lifestyle Courses	Koanga Koanga Koanga	18 March 06 8 April 06 Various dates
<a href="mailto:ecodesign@xtra.co.nz">ecodesign@xtra.co.nz</a>	Warkworth Enviro Day	<a href="#">Warkworth</a>	6 March 06
<a href="mailto:Grifen@wholehabitat.co.nz">Grifen@wholehabitat.co.nz</a>	Permaculture Design <u>Course</u>	Taranaki	14- 28 March 06
<a href="http://www.wessex.ac.uk/conferences/2006/eco-arch2006/cfp.html">www.wessex.ac.uk/conferences/2006/eco-arch2006/cfp.html</a>	Eco Architecture 2006	New Forest (UK)	14-16 June 06

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

**This month we introduce Richard Morrison, your EB News Editor, Wellington Regional Contact, and Immediate past-Chairman.**



**It has been great to see the public's growing awareness in environmentally friendly and sustainable building.**

**As an Architectural Designer I am interested in listening to and working together with my clients to design healthy and comfortable homes that they can enjoy and grow into. My interests are in permaculture, alternative and earth buildings of all types, and retrofitting of your existing home so it becomes more comfortable and energy efficient.**

**Phone/Fax: 04 568 6838 Email: [RFMdesign@paradise.net.nz](mailto:RFMdesign@paradise.net.nz)  
33 Bay Street, Petone, Lower Hutt**

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