



Earth Building Association of New Zealand

... promoting the art and science of earth building

www.earthbuilding.org.nz

PO Box 1452, Whangarei

EB News 15,30 May 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.

Inaugural National Greenbuild & Eco Show Exhibition & Conference 2006

Fri June 9th - Sun 11th June 2006 Rosehill Gardens Exhibition Centre Sydney Australia

Greener Homes - Greener Living - Greener Planet

A three-day trade and consumer event showcasing leading brands and services relating to Green building , renewable energy systems , sustainable living and permaculture. The Show will also focus on national environmental and conservation initiatives and celebrate World Environment and World Ocean Day.

Greenbuilding : Renewable Energy : Sustainable Living : Permaculture : Conservation and the Environment

Do you wish you could live a more sustainable life or become more environmentally responsible but you aren't quite sure how to go about it? Do you want to learn more about the principles and benefits of Green Building and Ecological Sustainable House Design? The National Greenbuild and Eco Show will offer a dedicated forum and networking platform for environmentally responsible individuals, home owners, small businesses , manufacturers and distributors of eco-efficient brands, conservation and environmental groups, local Councils and Government agencies and others to all come together and exchange ideas and showcase new innovations. Timed to coincide with the celebrations of World Environment and World Ocean Day the Show will provide environmentally friendly, ecologically sensitive, and sustainable products or services relating to :

- Green Building Materials and Construction
- Ecological Sustainable Design & Consultancy
- Renewable Energy Systems

- Energy, Water, & Waste smart innovations
- Eco - efficient inventions and new technologies
- Water Conservation and Waste Management
- Sustainable living ideas
- Products made from reused / recycled or non toxic materials
- Permaculture & Organic Gardening
- Earth friendly landscaping and backyard design
- Healthy homes, Interior Design and Soft Furnishings
- Personal Health Care, Fashion & Well Being
- Eco Tours, Retreats and Destinations
- Conservation and Environmental initiatives

Special Features include:

- Eco Short Film Festival
- House of the Future Competition
- Ocean Day Exhibitors Village
- Young Australian Eco Speaker Competition
- Australian Schools World Environment Day Challenge
- Seminars and Keynote presentations
- Kids entertainment
- Native animal displays

Website: <http://www.ecoshow.com.au/>



Climate Change and Peak Oil

Below is a link to a pdf on the combined global challenges of Peak Oil (the end of Cheap Oil Era) and Climate Change.

This 1.9Mb pdf is the Keynote address given to a recent energy conference in Florida. Also below are links to the Sunday Morning Nat. Radio which (in the "Ideas" sections) focus on Climate Change in NZ (Simon Upton's address to the climate change conference in the second part of the second link is particularly good). Although a side step from Earthbuilding, these links are a good backgrounder to the new world we will face. If there was any doubt that we all need to minimise our greenhouse gas emissions and maximise our carbon lock up (in trees), these articles should put paid to that.

Peak Oil/Climate Change

http://www.natresnet.org/conference/2006/presentations/Fairey_Keynote.pdf

Climate Change in NZ part 1 <http://www.radionz.co.nz/nr/programmes/sunday/20060402>

Climate Change in NZ part 2 <http://www.radionz.co.nz/nr/programmes/sunday/20060409>

Videos and DVDs for Hire

RAPS - A video introducing Remote Area Power Supply

Twenty eight minute duration, Produced by CFM Perth for the Candlelight Trust.

This video explores the use of renewable energy to produce electricity for rural areas and remote communities; it discusses options for low operating cost, low maintenance and environmentally friendly energy solutions that meet both your requirements and lifestyle.

The video is in three sections:

- Energy Production: photovoltaic modules, wind generators, micro-hydro, hybrid systems.

-Energy Storage: batteries (wet cell, gel cell, and NiCad).

-Energy Conversion and Control: DC and AC systems, invertors, regulations and monitoring equipment.

The message is simple "We can reduce the consumption of fossil fuels, the production of green house gases and the depletion of our precious resources. We can make a difference".

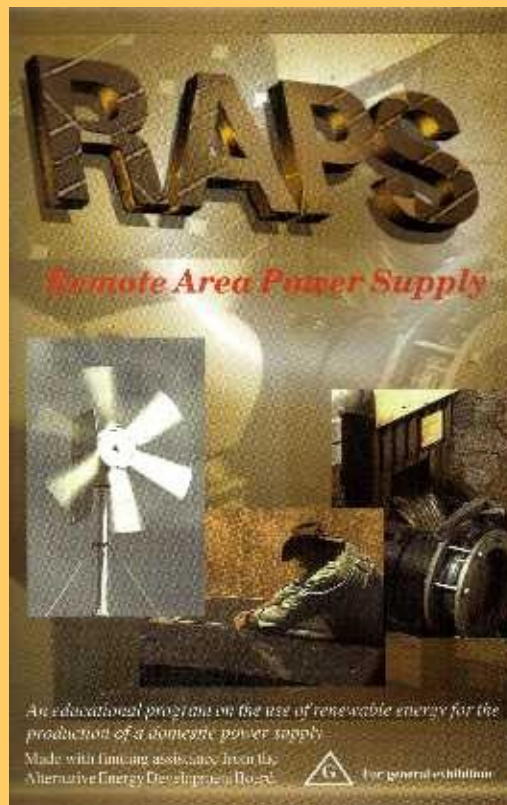
Claymates – A video introducing the construction of a Rammed Earth Home

Twenty five minutes, Produced by the Building Industry Authority.

Meet owner-builders Maureen, Dean, their family and their other building assistant friends, and enjoy an introduction to rammed earth construction. "Claymates" shows practical hands on approach to the construction of their family home. It shows an overview of the Building Consent process, a brief history of rammed earth in New Zealand, their engineer's comments and a comprehensive section on erecting the formwork, the mix preparation and ramming process.

These videos and DVDs are some of those available for hire to New Zealand based Members of the Earth Building Association of New Zealand.

For details see www.earthbuilding.org.nz or write EBANZ PO Box 1452 Whangarei.



Greenplanet FM

Tune in to Greenplanet FM 104.6 on Thursday mornings from 8-9am in Auckland with Tim Lynch to hear about environmental issues. The Program includes interviews with leading edge experts, practitioners and people who are living examples of sustainability, covering environmental subjects that are not readily discussed in depth in mainstream media. In 2006 the aim is to extend the program format to bring about debate and to have a panel of specialists or concerned citizens to inform us about solutions and what is working and how we can replicate systems that are successful overseas that can be integrated into NZ

For further information email: Tim@ourplanet.org or

visit the website: www.greenplanetFM.com



Offer Extended: Special Deal for EBANZ Members Purchasing The Earth Building Standards

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

These special deals are available until 16 June 2006

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 and New Zealand Earth Building Standards discount please contact Richard Morrison (04)5686838 RFMdesign@paradise.net.nz

From The Photo Album



Construction of an Earthship, Hamilton area

Are you interested in helping to guide our Organisation into the future?

We are always looking for Volunteers for a range of tasks. Our EBANZ Organisation needs volunteers, someone with vision and guiding hands to act as Chairperson until the next Conference and also someone to help with computer stuff (collection of information for the site and layout of information). If you would like any more information on the either role or have any other jobs that you could assist with please contact Richard Morrison (04)5686838 RFMdesign@paradise.net.nz or Peter Olorenshaw (03)5466176 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@ecobuild.co.nz).

Radio FM 104.6	Green Planet Discussion	Radio FM 104.6	Thur 8-9 am
www.Rainbowvalleyfarm.co.nz	Open days	Warkworth	Various dates
www.Koanga.org	Sustainable design for your home site	Koanga	3 June 06
http://www.ecoshow.com.au/index.php	National Greenbuild & Eco Show Exhibition and Conference	Sydney Australia	9-10-11 June 06
http://www.ecoinnovation.co.nz	Energy Efficiency Display	New Plymouth	14-17 June 06
www.wessex.ac.uk/conferences/2006/eco-arch2006/cfp.html	Eco Architecture 2006	New Forest (UK)	14-16 June 06
ecodesign@xtra.co.nz	Enviro Day	Matakana	8 July 06
www.ecofestnelsontasman.co.nz	Ecofest 2006	Nelson	13-14 August 06
www.solidearth.co.nz	Experimental earth building-	Nelson	25-27 August 06

Hands on

http://www.ecoinnovation.co.nz	Wind Hydro Solar PV and Hot Water	New Plymouth	7-8 October 06
info@livinglightly.org.nz	Permacultur e Course	Taupo	6-22 October 06
www.earthbuilding.org.nz	Annual Conference	Thames	21-23 October 06
	Earth Building Association of New Zealand		
www.Koanga.org	Recycling waste water	Koanga	21 October 06
https://jasperweb.cpit.ac.nz	Wind Water Earth and Sun Sustainable living	CPIT Christchurc h	28 October 06
www.Koanga.org	Earth Stoves	Koanga	4-5 November 06
www.branz.co.nz	BRANZ CITE course on Sustainabilit y	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 Phillip Wilkinson Fern one of our EBANZ Regional Contacts.



I live in Christchurch and run a small building company (Natural Home Builders Ltd) with the intention of building sustainable, healthy structures. I have a strong belief that there is nothing more sustainable than building in earth. At the moment we are 'recycling' a hundred year old villa but my partner Suzanne and I dream of one day building our own earth home. I wish I could convince all of my clients to build in earth!

mobile: 021 539175 phone: (03) 3774337 email: suephil20@clear.net.nz

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