



Earth Building Association of New Zealand

... promoting the art and science of earth building

www.earthbuilding.org.nz

PO Box 1452, Whangarei

EB News 24 29 May 2007

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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.

Sustainable Home Expo

10 June from 12 noon, Kaitoke, Upper Hutt

Can you reduce your monthly bills?
Can your home be more comfortable?
Is your home a healthy place to live in?

This is your opportunity to learn more about what effects you and your home. Practical solutions you can implement to give you a healthier home. Listen to guest speakers, talk to local organisations and businesses that promote sustainability and let your children explore the natural surrounds of Camp Kaitoke. Come along, bring your family and enjoy a fun afternoon.

Experienced Guest Speakers. Topics include:

- Home Energy Generation: Robert Hirschberg, Electrical Engineer, Off the Grid home owner.
- Design Ideas for New Homes & Alterations: Matthew ter Borg, Architect.
- Organic Gardening: Sonya Moore, Permaculturist and home organic gardener.

- Water Conservation, Rainwater/Greywater/Blackwater: Lynda Amitrano, Manager, Sustainable Built Environment, BRANZ.
- Insulation, Keeping You and Your Home Warm: Grant Dunford, Energy Efficiency Consultant.
- Recycle and Reduce Your Waste: Donna Sherlock, Waste Awareness Officer, Wellington City Council.
- Healthy Interiors: John Storey, Associate Professor, School of Architecture, Victoria University of Wellington.
- Earth Building & Alternative Construction: Richard Morrison, Architectural Designer.

Children's Program: A supervised fun afternoon children's program where your children can explore Camp Kaitoke. Outdoor activities: play in the playground, ride the flying fox, unicycle and go for walks in the bush amongst other activities. Indoor activities: games in the gym, recycling relay and art with eco ideas. Suitable for children over 5 years of age. Run by Pam Jones, Enviroschools co-ordinator and staff from the YMCA.

Displays and Demonstrations by local businesses that support sustainable practices.

- Hands on Rammed earth wall, EECA Energy Efficiency and Conservation Authority, Electro radiation, Onduline roofing, Solar panels, Wind turbine, Lifestyle Organic Store, Natural builders, Insulation, Earth building display.

When: Sunday 10 June 2007 12.00 to 5.30pm, (Talks start at 1:00pm) This event will be held indoors.

Where: YMCA Camp Kaitoke, 184 Marchant Road, Upper Hutt.

- From Upper Hutt: Turn left at the "Sustainable Home Expo" sign just past the turnoff for Kaitoke Regional Park. Follow signs to the Expo.

- From Masterton: Turn right at the YMCA sign just past Kaitoke Gardens Cafe. Follow signs to the Expo.

Entry: \$5.00 per person, a maximum \$10.00 per car, with children under 10 free. Afternoon tea available by donation.

Contact: Richard Morrison, Phone 04 568 6838, Email RFMdesign@paradise.net.nz,

Web: www.ymcagreaterwellington.org.nz/campkaitoke.



EBANZ Magazine: What's in the next Bumper Edition

- Looking back at our EBANZ Earth building Conference 2006: The bus tour, hands on earth building and AGM at Thames.
- California Historic Adobe Buildings and the Getty Seismic Projections Colloquium April 2006.
- A new lease of life for a 100 year old cottage: Waihopai Valley Blenheim.
- Earth Building location Map: adding a new dimension to the EBANZ website.
- Tui Earthen Round House.
- Ayurveda health treatments: Part 4.
- Smarter than Jack: True Animal Stories "Nip the Dog".
- Adobe Madre (Mother adobe) Building System: a comprehensive guide for making and laying adobe bricks.



GREX 07: 2nd Australian International Green Build & Renewable Energy Exhibition and Conference

1 June - 3 June, 2007 Everleigh NSW Australia

Green Build Australia has aligned with the Australian Renewable Energy Industry to bring you GRE 07. Leading Australian and International brands will have the opportunity to showcase and demonstrate environmental and socially responsible products, sustainable design, eco innovations and appropriate technologies. GREX is timed to align with the World Environment Day celebration on June 5, 2007.

Type of Exhibition: Trade and Consumer

Venue: Australian Technology Park, Sydney Bay 4 Atrium & Auditorium Locomotive Workshop, Everleigh NSW 1430, AUSTRALIA

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



Wind, Hydro, Solar PV and Solar Hot Water Workshop

2-3 June, 2007, New Plymouth

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.

For more details contact: Michael Lawley at EcoInnovation:

Phone: 06 752 2765, Website: www.ecoinnovation.co.nz, Email: ecoinn@paradise.net.nz

**Please feel free to pass this newsletter on to friends!
Or print this off for your notice board, Thanks.**

Strawbale Workshop

7-8 July 2007 Whangarei

This weekend workshop will give you an opportunity to assess the diversity for strawbale building, whether you wish to build your own home, construct a garden shed or just decided if strawbale is the right medium for your project. You will learn techniques through hands on practical activities and also have the opportunity to view projects in various states of completion.

Courses are limited to 12 people and have a minimum size of 6 confirmed paid enrolments before

commencement. Note: this is an adult workshop and because of site safety policy, is not suitable for children to attend.

Ian B Redfern (Prof) A.D.N.Z, A.I.P.E.N.Z, is passionately committed to helping people gain the skills to build their own homes through workshops and mentoring. Although formally trained as an engineer, he has been involved in the construction industry for over 25 years and brings a wealth of practical skills and knowledge of conventional, energy efficient and alternative design and construction to each project he undertakes. His business, Adobe South, is involved through the design and mentoring to owner-builders. Ian has an extensive and longstanding experience with strawbale construction within New Zealand and networks globally with his peers.

The two day workshop is \$200.00 per person with a one day Saturday or Sunday only option of \$120.00 per person each day. Prices include GST.

Contact Ian Redfern: Website: www.adobesouth.co.nz, Phone: 09 430 2020



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

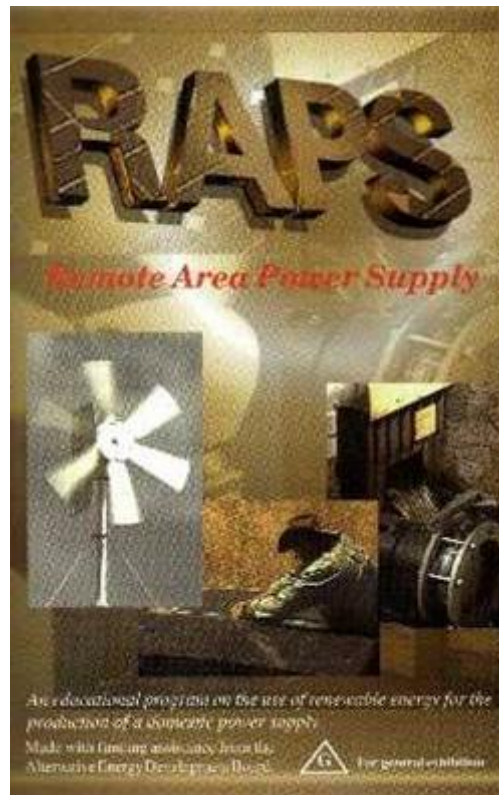
Twenty five minutes, Produced by the Building Industry Authority.

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 the Website: www.earthbuilding.org.nz, or write: EBANZ, PO Box 1452, Whangarei



International Symposium on Earthen Structures (ISES-2007)

22 – 24 August 2007, Indian Institute of Science, Bangalore, India

The symposium will provide an International Forum for information dissemination and exchange, discussions and debates on research and practice in the broad field of earthen structures, including building techniques, materials, architecture, and building-comfort studies. This symposium aims to bring together practicing professionals (engineers and architects), manufacturers, artistes and designers, academicians, researchers and postgraduate research students keenly interested and engaged in the theory and practice of 'earthen structures'.

The following themes can include case-studies, R & D, designs and innovations pertaining to Earthen Structures

- Materials
- Technology (adobe, rammed earth, etc.)
- Performance and durability (energy, seismic resistance, climate-response, structural, sustainability, etc.)
- Design (architecture, code/regulations, etc.)
- Heritage structures, conservation, repair and reuse
- Traditional and non-traditional concepts and practices

This conference is being coordinated by Prof Venkatarama Reddy who visited us in Auckland.

See the details at: Website: www.cst.iisc.ernet.in/Pages/ISES2007/ISES-2007.htm#Themes

Ecoshow 2007

10- 14October, 2007 Taupo

Your future- Solutions for Life.

Following the previous Ecoshows in 2004 and 2005 we bring together community, business and government working towards and supporting care of the earth and care of people. Including technologies, techniques, strategies and practises, exhibitions, workshops, demonstrations and discussion provide many ways for each of us to participate. We can be inspired to take more steps towards being more sustainable, reducing our ecological footprints and finding out new ways to do this.

For more details:Website: www.ecoshow.co.nz, Email: info@ecoshow.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.

Radio FM 104.6	Green Planet Discussion	Radio FM 104.6	Thur 8-am
www.grex.com.au	Green Build & Renewable Exhibition	Australia	1-3 Jun 07
ecoinn@paradise.net.nz	Wind, Hydro, Solar PV, Solar hot water workshop.	New Plymouth	2-3 Jun 07
www.ymcagreaterwellington.org.nz/campkaitoke	Sustainable Home Expo	Upper Hutt	10 June 07
www.adobesouth.co.nz	Strawbale Workshop	Whangarei	7-8 July 07
www.ecofestnelsontasman.co.nz	Ecofest	Nelson	11 Aug 07
events.lincoln.ac.nz/organics	National Organics Conference	Christchurch	17-19 Aug 07
www.cst.iisc.ernet.in/Pages/ISES2007/ISES-2007.htm#Themes	Symposium on Earthen Structures	Bangalore India	22-24 Aug 07
www.anzsos.org	ANZSES Solar 07	Alice Springs Australia	2-6 Oct 07

www.ecoshow.co.nz	Ecoshow	Taupo	10-14 Oct 07
www.sb07.org.nz	Sustainable Building Conference	Auckland	14-16 Nov 07
www.jasperweb.cpit.ac.nz	Permaculture Design Course	Christchurch	24 Oct- 28 Nov 4, evening
www.tuitrust.org.nz	Hands on permaculture	Golden Bay	28 Oct- 19Nov 07
info@sustaining-hb.org.nz	Sustainable /Earth Building Courses/ Permaculture	Hawke's Bay	Various dates
www.envirocentre.org.nz	Sustainable /Energy/ Earth Building Course	Hamilton	Various dates

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

This month we introduce Thijs Drupsteen,
committee member, and immediate past-president.



Thijs Drupsteen is a Consulting Engineer, and 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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