



Earth Building Association of New Zealand

... promoting the art and science of earth building

www.earthbuilding.org.nz

PO Box 1452, Whangarei

EB News 19, 15 November 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.

EBANZ Earth Building Conference 2006 Bus Tour, Hands On and AGM

What a great success, check it out in the next issue of the EBANZ magazine. Thanks to those who attended from all over New Zealand and to Gwentyth and Colin for organising the event.



Exploring Sustainable Design

Free Lecture Series: Hamilton

Do you want to know more about the issues facing the built environment and the opportunities of sustainable design?

Wednesday November 15

Free Lecture Series - Exploring Sustainable Design

7 – 9pm at WEL Energy Trust Academy for Performing Arts

Session 3. - “Movie Screening – The End of Suburbia”

Movie preceded by the inaugural gathering of the Waikato Sustainable Building Network

Wednesday November 22

Free Lecture Series - Exploring Sustainable Design

7 – 9pm at WEL Energy Trust Academy for Performing Arts

Session 4. - “Building Sustainability for People and the Planet”

Robin Allison, BArchitecture, Founder and Devt Coordinator of Earthsong

Wednesday November 29

Free Lecture Series - Exploring Sustainable Design

7 – 9pm at WEL Energy Trust Academy for Performing Arts

Session 5. - “The House with no bills”

Robin Allison, BArchitecture, Founder and Devt Coordinator of Earthsong Eco-neighbourhood

For bookings contact Beverley at Continuing Education 858 5205 or email beverley@waikato.ac.nz or see Katherine Hay at the Environment Centre Hamilton, 25 Ward St Hamilton or Ph 07 839 4452 email envirocentre@paradise.net.nz

For more courses see: www.envirocentre.org.nz



The Summer Do

7th -14th January 2007 Whangarei

Be in quick to book your place. Contact us for details www.thequarry.co.nz

Earthbuilding Course:

This is a hands-on course, an essential introduction for anyone contemplating building their own earth home with the emphasis on eco- as well as earthen architecture. The wide range of methods covered includes adobe, rammed earth, cob, cinva brick, and paving. Course participants learn through building permanent structures putting into practice the theoretical and technical knowledge gained. Numerous dwellings in the Whangarei area, available for participants to explore, show the diversity and practicality of this eco-friendly building style.

Henery Mackeson

Henery Mackeson is an earth builder and developer of the adobe-in-situ method and has been involved in earthbuilding projects in Vanuatu, UK and New Zealand. Henery is also a potter, sculptor and builder and has been tutoring earth-building methods since 1985.

Henery will be supported by the expertise of Graeme North and Thijs Drupsteen.

Graeme North & Thijs Drupsteen

Graeme North is a registered architect now based in Warkworth. He has been responsible for hundreds of earth building designs. He also chairs the NZ Standards Committee that wrote the Earth Building Standards. Thijs Drupsteen is a qualified engineer who has worked on the structural design of numerous earth buildings. He is now residing in the Hokianga and is also on the Standards Committee. Together they were inaugural Chair and Secretary of EBANZ and now have nearly 60 years earth building design experience between them.

Other course at the 2007 Summer Do courses include-

Stone Sculpting with Iosefa Leo; This workshop will concentrate on the composition and carving of a figure in stone, using Oamaru limestone with hand tools. The course will include working from a maquette, looking at relief carving, appropriate tools and finishing details.

Painting with Jane Zusters; The course content provides an opportunity to progress towards the development of a personal painting practice. This is a workshop for anyone who just wants to get on with the process of painting or is seeking fresh stimulation for their painting

Clay Sculpting with Mike O'Donnell; The process will use a coiling technique to produce a totem piece or standing stone representing one's life, from which a series of pieces will expand.

Clowning with Brian Divers; In this workshop you will discover your own clown where your personal weaknesses build mana and your ridiculous side creates wonder. Through movement, voice, costume and improvisation your clown will become an artist; painting the sky, moulding the earth, transforming colour, form and time

Flax Weaving with Coral Kaire; It is an opportunity for beginners to learn the tikanga – the customs and how to harvest and prepare the flax. Learn the rhythms of weaving by making simple items – putiputi (flowers), bracelets, konae simple basket styles and how to make a basic kete. More experienced weavers will learn new types of weaving, startings, endings, colouring, and experiment with creative ideas.

Screen Printing with Shelly Ryde; Screen printing techniques are basic to a majority of commercial printing processes. New materials and processes being developed have moved the techniques to being

toxic free and available to produce excellent results with a range of relatively inexpensive equipment.

Participants are able to camp on the premises and become part of the community for the week, and a catering service is also provided.

Contact us for details www.thequarry.co.nz or phone (09) 4381215 for more information

Cob Building Workshop Green Horizon Workshops

Pigeon Saddle, Golden Bay Tuesday 6 February to Saturday 10 February 2007

This five day workshop will provide participants with in depth knowledge of the design and construction of cob buildings and a good amount of “hands on” practical experience to give them the techniques and confidence to build their own cob building. Approximately half of the workshop will be on site and soil evaluation and design and half will be building a small cob building.

Topics will include:

- Evaluation of Soils
- Site Selection and Evaluation
- Passive Solar Energy Design
- Structural Design
- Weather Protection
- Cob Construction
- Building Consent Requirements
- NZ Earthbuilding Standards
- Construction Details

Some cob buildings in the Nelson and Golden Bay areas will be visited during the workshop.

Where and When: 9.00am to 5.30pm, Tuesday to Saturday, 6 to 10 February 2007 at Pigeon Saddle between Wainui and Totaranui in Golden Bay.

Workshop Co-ordinator: Bella and Richard Walker built an earth house in Nelson in 1987 and are presently building a new earth house at Pigeon Saddle and are designers of earthbuildings. They have held many earthbuilding workshops in the past 20 years. Richard is a consulting professional engineer and prepared the draft for the new New Zealand Standard for Earthbuildings not Requiring Specific Design.

If you are from outside the Golden Bay area we can suggest accommodation options.

Please bring literature, photos and slides on earthbuildings to share with other participants.

Enrolment/Fee: The number of participants is limited so please enrol by 1 February 2007 \$300.00 per person for the five days. Lunch and hot and cold drinks provided.

Please make registration fees payable to Richard and Amabel Walker.

Further Information: Phone 03-5284751 email ess@ts.co.nz or write to: Green Horizon Workshops, Richard and Bella Walker, Wainui Bay, Takaka, R.D.1.



From the conference

Alan is touring New Zealand and wanting to visit Cob Homes

My name is Allan Salter and I got your email address from Adam & Katy who run “Cob in Cornwall” here in England. I recently helped them on cob building project and took a keen interest in it. I am travelling around New Zealand in November this year and would like to visit some sites or areas where cob houses have been or are currently being built and possibly get involved in any construction projects. Could you please suggest any areas I could look round or people I could contact. I would very much appreciate any info you could give me.

Many Thanks, Allan Salter. Email allan@salter7.orangehome.co.uk

Australian “Owner Builder” magazine

Order direct as its now no longer available from newsagents

Want to build for yourself? If you do, then you'll need technical advice as well as regular inspiration and encouragement. A copy of The Owner Builder magazine every two months will provide you with all of that. Topics are diverse, covering stone, mud brick and straw bale and many others. Passive solar design, fixtures, fittings and practical hints are all included.

This useful magazine is no longer available through newsagents in New Zealand, as it is considered to be too small for economic distribution by the larger companies. A special annual subscription rate of AU\$52 is being offered, which includes 6 issues (bi-monthly).

www.theownerbuilder.com.au, +61 2 4982 8820. PO Box 9000, Paterson NSW 2421, Australia.

Talking and Walking Sustainability Conference

20-23 February 2007 - Auckland, New Zealand.

About the Conference

Increasingly the topic of sustainability is being discussed, and as such many corporate companies and businesses are developing sustainability groups within their organisations. The Local Government Act now gives local authorities a mandate to take the lead in achieving sustainable development locally. The Government has developed the Programme of Action - Sustainable Development for New Zealand, with its focus on water quality and allocation, energy, sustainable cities, and child and youth development,

but what does this all mean? How is this interpreted by other organisations, and even by other countries? What is happening in reality?

Finding the right language to enthuse, inspire, and achieve change is a challenge. The Society intends that this Conference will go some way to succeeding in meeting that challenge, by being an avenue to present some of the most recent achievements in sustainability and to debate its application to the real world.

The Conference will bring business, industry, engineers, scientists and government together to discuss the way forward to achieve sustainability. New products and processes, new systems, and new thinking will be showcased in our technical sessions. We will hold open discussions on the problems and successes, and present five workshops on topics that have real-world meaning to the future development of sustainability.

Keynote Speakers

Professor Peter Guthrie OBE RedR and Engineers without Borders

Professor Tim O'Riordan Commissioner with the Sustainable Development Commission UK

Professor Jorge Vanegas Director for Center for Housing and Urban Development at the College of Architecture/CHUD,

Dave Runnalls CEO of the International Institute of Sustainable Development, in Winnipeg Canada

From New Zealand: Jim Bradley of MWH, Dr Jim Salinger of NIWA, Dr Steve Thompson of the Royal Society of New Zealand, and Dr Carol Boyle of ICSE.

Registrations are open: Take advantage of the early bird offers. Early bird registrations close 20 December 2006.

Website: www.nzsses.auckland.ac.nz

Contact: Vicky Adin, Conference Manager, PO Box 272.1460, Papakura, Auckland, NZ.

Phone +64 9 444 8881 Mobile +64 27 230 5365 Email vickya@kiwilink.co.nz

Sustainability Expo

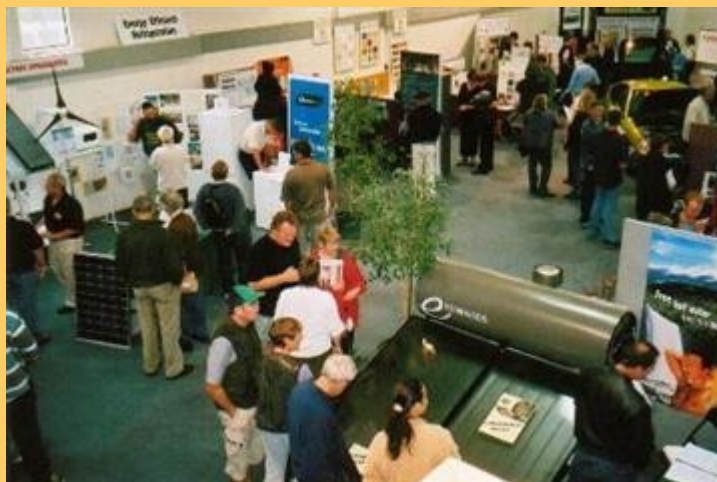
Saturday Jan 27 to Sunday January 28, 2007 Rolleston Christchurch

A two day event about renewable energy and sustainable options for future living. See working displays and attend talks on a wide range of topics including solar electric (photovoltaic) and wind energy systems; solar hot water systems and other sustainable technologies; energy efficient appliances; building design, housing and transport.

Check out www.sustainabilityexpo.co.nz for details (watch for developments).

Phone: Solar Electric Specialists Ltd, tel. 027-457-6527

Location Rolleston Community Centre, Rolleston, Canterbury



My name is Katie

I am a University of Toronto undergraduate student writing to you from our lovely Canada. I have recently started researching earth building and eco-friendly housing in New Zealand. More specifically, I plan to spend at least a year in Auckland, New Zealand starting in January 2008. I am hoping to use this time to gain some skills and know-how in this emerging industry by way of volunteering, internship and possible (ideally) entry-level employment with an organization such as EBANZ. In order to achieve this goal, I suspect that in the forthcoming year I will need to reinforce my B.A. with some volunteering in a related industry and quite possibly pick up some extra courses that might help improve my candidacy for such a placement. I will continue researching my prospects in the sustainability and eco-housing arena of New Zealand in the future months. Any help or advice you can lend would serve as invaluable in my efforts.

Thank you very much for taking the time to read my inquiry, and I wish you a wonderful upcoming summer season.

Sincerely, Katie Navrotskaya email: katie.navrotskaya@utoronto.ca

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@utoronto.ca).

Radio FM 104.6	Green Planet Discussion	Radio FM 104.6	Thur 8-9 am
www.envirocentre.org.nz	Exploring Sustainable Design	Hamilton	15/22/29 Nov 06
www.ecbcs.info/Seminar	International Energy Agency Energy Conservation in Buildings	Wellington	15 Nov 06
pdc@livinglightly.org.nz	Permaculture Design Course	Taupo	19 Nov-3 Dec 06
nctrust@ihug.co.nz	Earth building at "The Summer Do"	Whangarei	7-14 Jan 07

www.sustainabilityexpo.co.nz	Sustainability Expo	Christchurch	27-28 Jan 07
ess@ts.co.nz	Cob Building workshop	Golden Bay	6-10 Feb 07
www.rainbowvalleyfarm.co.nz	Intro to Permaculture	Warkworth	17 Feb 07
www.nzsses.auckland.ac.nz / conference/speakers	Talking and Walking Sustainability Conference	Auckland	20-23 Feb 07
www.koanga.org	Pizza Ovens	Koanga	17 Mar 07
www.rainbowvalleyfarm.co.nz	Permaculture Design	Warkworth	16-30 Mar 07
www.environaki.co.nz	Permaculture Design Course	New Plymouth	16-31 Mar 07
www.ecoshow.co.nz	Ecoshow	Taupo	10-14 Oct 07
www.branz.co.nz	BRANZ Education on Sustainability	Wellington	Mar 07

In this space we would like to acknowledge members who have contributed to the success of the EBANZ organisation. This month we introduce Marion Bridge a regular writer for our EBANZ magazine and our Regional Contact on Waiheke Island.



MUDBRICK 'BY THE BAY'
ENCLOSURE BAY, WAIHEKE ISLAND

Small self contained apartment in quiet valley setting 2 minutes to Enclosure Bay and close to other bays and walks, fishing, swimming. View the bay and out to Gt.Barrier Island from your balcony. \$170 per couple 2 nights. Simple (ample) breakfast, tea, coffee, linen supplied. Enquiries to Marion: email: mabridge@ihug.co.nz. Or phone: 09 372 7799.

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