



Earth Building Association of New Zealand

... promoting the art and science of earth building

www.earthbuilding.org.nz

PO Box 1452, Whangarei

EB News 21, 31 January 2007

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Welcome to those new recipients who signed up at the Organic River Festival.

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.

Green Horizon Workshops Cob Building Workshop

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. Workshop Coordinators: 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.

For further information contact:

Richard and Bella Walker, Green Horizon Workshops, Wainui Bay, Takaka, R.D.1., Phone 03 528 4751, Email: ess@ts.co.nz



Tural Plasters One Day Workshop

Whananaki, Whangarei

6 February 2007

Presenter: Cindy Walker from USA. Cindy has been involved with natural (earthen and lime) plasters and Natural finishers for many years in the South West of USA (landerland etc) and is available for this one workshop in northland.

At Whananaki (about 40 mins from Whangarei). Cost \$50.00

Contact:

Ian Redfern, Adobe South Whangarei

Web: www.adobesouth.co.nz, Phone: 09 430 2020

Straw Bale Design, Construction Theory & Practical Workshop, Earth Plastering

Geraldine, South Canterbury

16-18 February, 2007

Earth Plaster Weekend Workshop with Tom Rijven, Habitat Vegetal, from France.

Tom, an experienced earth plasterer and straw bale builder from France, will lead this weekend workshop. Earth Plasters will be the focus of this workshop, so come prepared to get muddy and become inspired through Tom's lectures and hands-on demonstrations. \$315.00 includes food and accommodation at Struan Farm Retreat.

18-23 February, 2007

Straw Bale Design & Construction Theory & Practical Workshop

Join us in this intensive week-long theory and practical workshop. A combination of both classroom and hands-on sessions will give you a thorough understanding of the multiple wall systems, their details, and how straw bale walls work as a part of the whole building system. Come ready to learn and to discuss some of the common questions that surrounds straw bale building such as flashing details, moisture issues and plaster systems. Evening lectures and home tours will also occur throughout the week. \$845.00 includes food and accommodation at Struan Farm Retreat.

24-25 February, 2007

Lime Plaster Workshop and Natural Building Detailing

Join us for this hands-on weekend workshop with Ian Redfern, of Adobe South. The focus of this workshop will be on lime plasters as well as specific details around plastering. The history of lime, lime plaster mixes, application techniques and finishing techniques will be discussed and demonstrated. Come prepared to learn heaps from Ian and gain experience working with this wonderful and abundant resource to us in New Zealand! Check out Ian's website: www.adobesouth.co.nz for more information on his work. The \$315.00 NZD fee includes food and accommodation at Struan Farm Retreat.

Please contact Sarah: Phone: 03 693 7369, Email: sarahjohnston@ihug.co.nz for further information on the details of these workshops.



Talking and Walking Sustainability Conference

Auckland

20-23 February 2007

The New Zealand Society For Sustainability Engineering And Science (NZSSES) are very excited about this forthcoming event. Its our 2nd International Conference on Sustainability Engineering and Science, and its shaping up to be a truly thought-provoking and stimulating few days.

About the Conference: Due to the high number of academic papers being presented in parallel streams, the conference will be a very busy, interactive event. The conference will begin with some keynote presentations. Then there will be the opportunity to listen to some of the nearly 100 papers being presented in six themes:

- The Business and Governance of Sustainability;
- Liveable Communities (including a session on transport);
- The Philosophy and Science of Sustainability,
- Sustainable Tools, Sustainable Technology, and
- Education for Sustainability.

There will be something for everyone. As the conference progresses, there will be further opportunities to listen to our keynote speakers, and to ask questions. In addition, the conference will present a series of workshops on topics such as:

- Sustainability Management and Policy and Legislation Sustainable;
- Urban Design – Two Case studies will be presented;
- Sustainability and Education;
- Sustainable Industry and Research, and Frontier Design for Sustainability

REGISTRATIONS ARE OPEN - Early bird registrations close 20 December 2006. Register online at <http://www.nzsses.auckland.ac.nz/conference/registration.htm>.

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

Phone: 09 444 8881, Mobile: 027 230 5365, Email: vickya@kiwilink.co.nz

The Art of the Good Life Expo, “Know it- Live it”

Summer Gardens Festival, Hamilton

10am - 4pm Saturday 24 February 2007

Sustainability, Healthy living, Productive Gardens.

Come to the Good Life Expo located between the Plaza and the Productive Gardens in Hamilton Gardens. Dont miss out - this is your opportunity to be part of an exciting, vibrant festival of stalls, activities include; entertainment., food, organics, composting, energy efficieny, plants for sale, green shopping, sustainable living, produce, talks/workshops, productive animals

Stall holders and interested parties please contact: Cheryl Noble Hamilton Permaculture Trust Coordinator

Phone: 07 834 2249, Fax: 07 839 4454, Email: permaham@actrix.co.nz



Introduction to Permaculture Workshop

Warkworth

Saturday February 17 2007

Do you want to reduce your ecological footprint and live more sustainably?

This one day workshop at Rainbow Valley Farm, Matakana gives an overview of permaculture ethics, principles and techniques and you will see on-the-ground examples of the principles in action. Edible landscapes (gardens and orchard), energy efficiency, ecologically friendly housing, and much more. Bookings essential.

For more details: www.rainbowvalleyfarm.co.nz

Contact Trish or Joe, Phone: 09 422 7432, Email: kana@rainbowvalleyfarm.co.nz

PCE20 Forum: Advancing Environmental Sustainability

Ilott Theatre, Wellington Convention Centre

1-2 March 2007

Looking at New Zealand's environmental sustainability progress over the past 20 years and what else needs to be done over the next 20, to mark the Office of the Parliamentary Commissioner for the Environment's 20th anniversary. Eight international experts on sustainability, and an impressive line-up of New Zealand guests.

Website: www.pce.govt.nz/anniversary/pce_anniversary.shtml, Email: pce@pce.govt.nz

Australian "Owner Builder" magazine

Order direct as its now no longer available from newsagents

A special annual subscription rate of AU\$52 is being offered, which includes 6 issues (bi-monthly).

Website: www.theownerbuilder.com.au, Phone: +61 2 4982 8820.

PO Box 9000, Paterson NSW 2421, Australia.

Wind, Hydro, Solar PV and Solar Hot Water Workshop

New Plymouth

3-4th March 2007

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 see the Info section. \$400 for course only. Hydro option (turbine to take away) is priced at \$1450. Wind option (turbine to take away) is priced at \$1150.

Contact Michael Lawley at EcoInnovation: Website: www.ecoinnovation.co.nz
Phone: 06 752 2765, Email: ecoinn@paradise.net.nz

Straw Bale Building Experience Required

I found your contact details whilst searching straw bale construction on the internet.

My partner and I are travelling New Zealand next year from March 25th as part of the working holiday scheme. We are keen to gain knowledge and experience in straw bale construction on a semi voluntary basis perhaps in return for food and lodgings. As a builder myself I'm sure I could be of use to someone. We are hoping to see both the North and South island's travelling in a campervan. So accomadation would not be essential although somewhere to have a wash would be beneficial. With this in mind if you were to know of someone in

the North or South island who may be interested in utilising my skills as a builder/ plasterer in exchange for some knowledge of straw bale construction, this would be very much appreciated. I have left our details below in the chance that something could arise from this. Please feel free to pass these details on to anyone you feel may be interested in helping us to help them.

Yours sincereley

Neil and Sarah

Email: sehancock@hotmail.com

EcoDay

Olympic Park New Lynn Auckland

10am - 4pm Sunday, March 4 2007

EcoDay is a free event showcasing eco-friendly products and services. EcoDay provides visitors with information about what they can do to live in a more sustainable way, from simple changes in behaviour to products and services available to them.

EcoDay 2007 will involve a range of exhibitors of eco-friendly products and services, everything from solar hot water systems to fuel efficient and hybrid cars to non-toxic cleaning products. EcoDay will also provide information about government services for sustainable living, host seminars and bus tours throughout the day, and provide childrens entertainers, an organic market and organic food for sale.

Portage Road Olympic Park New Lynn, Waitakere City, Auckland

Website: www.ecoday.org.nz, Phone: 09 826 0555, Email: slc@ecomatters.org.nz

Straw Bale Workshop

Whangarei

17- 18 March 2007

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 a 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



Pizza Ovens

Saturday March 17th 2007 10:00am - 4:00pm

Presented by Wolf Heipe

Wolf has been playing around with earth for a few years now and lives in a beautiful Light Earth home

he built with others. Earth is a passion of his and he'll build an Earth Oven with you over this weekend, using mainly clay and sand and some lime for finishing touches. It takes two days to finish the oven but you do not need to come to both workshop days. You can learn everything you need to know in one day. We'll also show you how to build a fire and cook in another earth oven that is already built. These ovens can cook bread, pizza, casseroles, basically anything can be cooked in them, and it's just a matter of experience and technique. This is always a really popular workshop so be in early to avoid disappointment. Price \$112.00

Website: www.koanga.co.nz, Phone: 09 431 2732, Email: info@koanga.co.nz

Eco and Earthen Architecture Workshop

Warkworth

10am to approx 4.30pm Sunday, 1 April 2007

Mud Brick (Adobe) and Cob

Find out about the possibilities of using natural earth as a building material.

Learn how this material contributes to healthy buildings, and some of the benefits and constraints involved in its use, including the use of the NZ Earth Building Standards.

Find out how to select and test soils for suitability.

This workshop is largely a hands-on experience of making bricks from mud and laying them, and also explores direct building into massive durable cob walls.

We will also discuss earth plastering, earth floors, strawbale building, and passive solar and other design criteria.

Fees: \$112.50 per person GST incl. (includes morning and afternoon teas and lunch).

Please note that numbers are strictly limited and \$50.00 is payable in advance to secure a place. The deposit is non-refundable unless the event is cancelled

Graeme is a registered architect with extensive experience with many different techniques and types of earthen materials gained from many projects over 35 years.

He has also designed many buildings using more conventional materials and is well known for his environmentally friendly building work.

His work also embraces the use of strawbales, earthen and lime plasters, and incorporates plants into "livingscapes".

He was the first Chairman of the Earth Building Association (EBANZ) of New Zealand and chaired the Standards New Zealand Technical Committee that wrote the comprehensive suite of three NZ earth building standards.

Graeme has received several awards for his contribution to the earth building standards, as well as environmental and architectural work. He has international recognition as an earth building architect and has been persuaded to give one workshop this year.

To enrol, send your name, address, phone number, workshop date and deposit to

Graeme North, 49 Matthew Road, RD1, Warkworth

For more information: Phone: 09 425 9305 or Email: ecodesign@xtra.co.nz



EarthBuilding Workshop

Whangarei

28-29 April 2007

This short weekend course is designed to give enthusiasts practical skills and confidence, so you may embark on a lifetime of self-learning about earth building. Learn skills to assist in building your own home or create interesting landscaping features and low walls.

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 has built several poured earth homes and has their cottage well underway (you will visit this site). Ian is currently mentoring many owner builders in the North Island.

An alternative programme will be offered should the weather not be conducive to outdoor building.

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 4302020

**Please feel free to pass this newsletter on to friends!
Or print this off in B&W for your notice board**

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	Green Planet Discussion	Radio FM 104.6	Thur 8-9 am
ess@ts.co.nz	Cob Building workshop	Golden Bay	6-10 Feb 07
www.adobesouth.co.nz	Tural Plasters (earth/ lime plasters)	Whangarei	6 Feb 07
www.rainbowvalleyfarm.co.nz	Intro to Permaculture	Warkworth	17 Feb 07
sarahjohnston@ihug.co.nz	Earth Plaster workshop	Geraldine	16-18 Feb 07
sarahjohnston@ihug.co.nz	Straw Bale Building Course	Geraldine	18-23 Feb 07
sarahjohnston@ihug.co.nz	Lime Plaster workshop	Geraldine	24-25 Feb 07
www.nzsses.auckland.ac.nz/ conference/speakers	Talking and Walking Sustainability Conference	Auckland	20-23 Feb 07
permaham@actrix.co.nz	Good Life Expo	Hamilton	24 Feb 07
http://www.pce.govt.nz/anniversary/ pce_anniversary.shtml	PCE20 Forum: Advancing Environmental Sustainability	Wellington	1-2 Mar 07

ecoinn@paradise.net.nz -	Wind, Hydro, Solar PV, Solar hot water workshop. -	New Plymouth	3-4 Mar 07
www.ecoday.org.nz	EcoDay	Auckland	4 Mar 07
www.rainbowvalleyfarm.co.nz -	Pizza Ovens	Warkworth	10 Mar 07
www.koanga.org	Pizza Ovens	Koanga	17 Mar 07 -
www.rainbowvalleyfarm.co.nz -	Permaculture Design	Warkworth	16-30 Mar 07
www.adobesouth.co.nz -	Strawbale workshop	Whangarei	17-18 Mar 07
www.vironaki.co.nz -	Permaculture Design Course	New Plymouth	16-31 Mar 07
ecodesign@xtra.co.nz -	Adobe and Cob Workshop	Warkworth	1 Apr 07
www.rainbowvalleyfarm.co.nz -	Advanced Permaculture Workshop	Warkworth	9-11 Apr 07
www.adobesouth.co.nz -	Earthbuilding workshop	Whangarei	28-29 Apr 07
www.rainbowvalleyfarm.co.nz	Bottle walls and	Warkworth	12 May 07

-	windows		
www.ecoshow.co.nz	Ecoshow	Taupo	10-14 Oct 07
-			
www.branz.co.nz	BRANZ Education on Sustainability	Wellington	Mar 07
-			
robina@win.co.nz	Permaculture Design Course	Central Otago	Autumn 07
-			

In this space we would like to acknowledge EBANZ members who have contributed to the success of alternative and eco-friendly building.

**This month we introduce
Sarah Johnston, Architectural Designer and Sven Johnston, Builder**



SOL Design is an architectural and interior design studio that loves to find creative and efficient design solutions for residential projects, whether it be a renovation of an existing home or the creation of a new one! We have 10 years experience designing straw bale homes and also consult and teach straw bale building systems.

**SOL Design, Ltd
50a Connolly Street, Geraldine, New Zealand
Phone: 03 693 7369 Email: sarahjohnston@ihug.co.nz**

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