

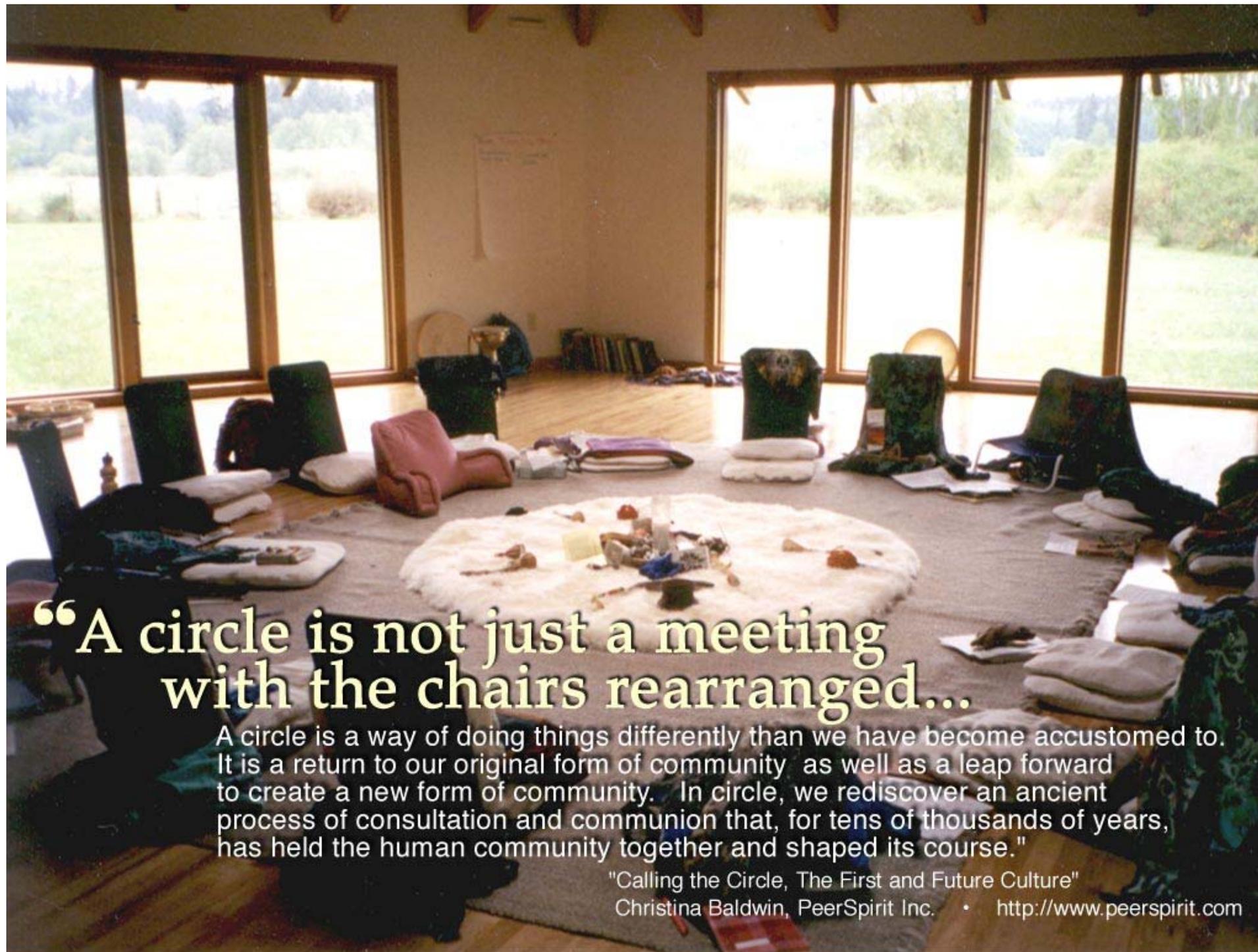
# 21<sup>ST</sup> CENTURY RENAISSANCE & EDUCATION

BOOK LAUNCH 21<sup>ST</sup> CENTURY RENAISSANCE BY ROBERT  
POPE & CHRIS DEGENHARDT (2012) 10-02-2013  
SCIENCE ART RESEARCH CENTRE OF AUSTRALIA: UKI.  
**CASTLE ON THE HILL LEARNING CENTRE** 2PM-6PM  
PAUL WILDMAN [PAUL@KALGROVE.COM](mailto:PAUL@KALGROVE.COM)



NEUROCHIP

10 '06



**“A circle is not just a meeting  
with the chairs rearranged...”**

A circle is a way of doing things differently than we have become accustomed to. It is a return to our original form of community as well as a leap forward to create a new form of community. In circle, we rediscover an ancient process of consultation and communion that, for tens of thousands of years, has held the human community together and shaped its course."

"Calling the Circle, The First and Future Culture"

Christina Baldwin, PeerSpirit Inc. • <http://www.peerspirit.com>

Over the past decade my role with the SARC and COTHLC (Castle On The Hill Learning Centre) has involved with strategic planning for the centre, delivering Adult Learning and Community Economics workshops as well as well as launching the Millennium Project for several years, introducing various Futures Issues (such as Transhumanism that I will be touching on today).

**Learning Circles** because they represent, in my view 'The model for learning post apocalypse and we are all 'preppers' now facing, as Dudley says the 'impending chaos'. Socially we have to *re-learn to learn* apart from the commodified and formalised 'edumacation' systems we experience today these will not and can not help us help one another in the coming tough times. Helping one another is a form of social neg-entropy it is a lost craft.

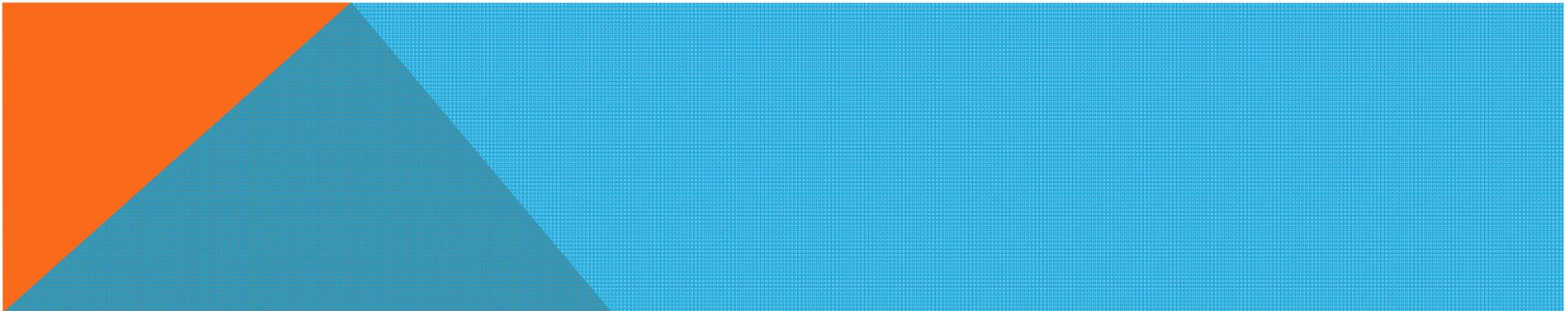
In the Drones we see the upload of a deeply entropic logic base of kill the 'other'. This is the opposite of the 2<sup>nd</sup> Renaissance. This will only intensify in the coming years. We need a mutual aid neg entropic logic base upload which, although this book points to, we fear will be attempted too little too late. Today many of us want to escape from this 'entropic' matrix but how?

**Transhumanism** and other Forms Of Life matter because the Terminator, the intelligent exoskeleton, the Neurochip are with us now. As president Obama said 'I have two words for terrorists – predator drone'. Drones are now autonomous and as in the Terminator series are part of 'Skynet' a malevolent take on our World Wide Web. Our grand children will interact with these FOL and to survive the apocalypse we need to help them learn how.

All of these struggles, hopes and despair are part of the DNA of the Second Renaissance that Robert has devoted his life to and now he and Degrass have published a book on, and Irene has established this learning centre about. In this talk I would like to outline some examples of this DNA in terms of Action Learning Circles and Transhumanism.

# 2<sup>ND</sup> RENAISSANCE & LEARNING CIRCLES

The 2<sup>nd</sup> Renaissance book presents us with the stark contrast follow our existing entropic logic to oblivion or re-cover our archaic knowledge of neg-entropy and contribute to the healing of ourselves and our planet. Only our learning systems can prevent this 'impending chaos'. We need systems of practical hope.



# *The Learning Circle Preschool*

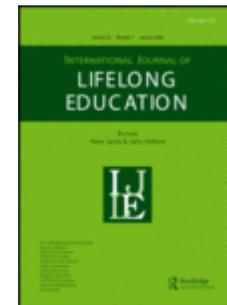
<http://www.thelearningcirclepreschool.com/> USA



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- **About Learning circles**
  - Around 10 people
  - Who meet regularly ‘around’ a particular topic much like our ancestors did around a campfire
  - To discuss and learn about a topic of interest to them and their community
  - Generally there are around 5-6 meetings over a period up to 3 months
  - Each meeting is around 2 hrs with food 3 hrs
  - The first couple of meetings are facilitated then the **LC** members take over this role and it rotates from meeting to meeting
  - (Y)our **LC's** meet fortnightly with some actions/homework in between – that’s why we call them BC Action Learning Circles as we learn collectively from our individual actions
  - A **LC** is not a lecture, seminar or tutorial there are NO experts and no one controls the show or sets the agenda – no one is in charge, or sets and exam or marks your work this is something you do P2P
  - **LC's** are BIG in Europe esp. Scandinavian countries, with 300000 being undertaken since the early 1970's in Sweden alone, where they stream up into community colleges
  - Technically this is called *structured informal learning*
  - We call them *learning, discerning, yearning and earning circles*
-

## *The Learning Circle's Global presence: originating in Sweden ~ they cover 'kids AND adults learning'*

- **Roots of Change:** 2010 Study Circle Program ISEC  
And the movie *Economics of Happiness* about the Ladakh on the Indian Tibet border <http://www.localfutures.org/study-circle-program>
- **Study Circles: Schools For Life Long Learning:** Cooperative learning, democratic participation, respect for individual views, and learning from the collective wisdom of the group by *Cecile Andrews*. 2000
- **Eight aspects of democracy as related to study circles.** International Journal of **Lifelong Education and Global Democracy:** Eight qualitatively different aspects of democracy are thus highlighted: equal participation, horizontal power relations, deliberations, knowledge that informs standpoints, recognition of diverse identities, internal democratic decision-making, self-organising, and action to form society. 2001
- **Sweden** has had 300,000 LC's since 1970
- **Originated in the 1870's in Sweden** and in the 900's in Islamic Madrasa and subsequently in the 1200's in the Medieval European Universities



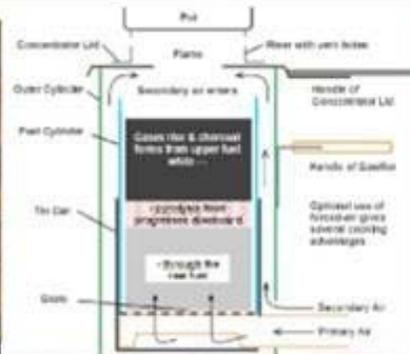


Paul Taylor PHD

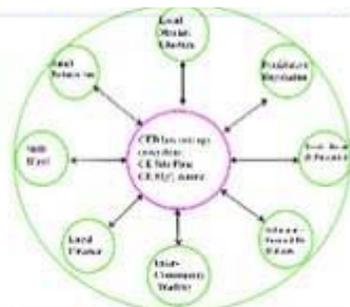
Technically, biochar science is complex and evolving but its essence is straightforward. If you heat any biological material to a certain temperature & restrict or exclude oxygen, a process called **pyrolysis** occurs. The material changes form and we get 2 useful end products, charcoal & gas which can be used to generate electricity. The charcoal end-product has remarkable qualities. When added to soil the charcoal is called **Biochar**. It amends and improves the soil for the long term, increasing crop yields.



copyright: Gaia Films



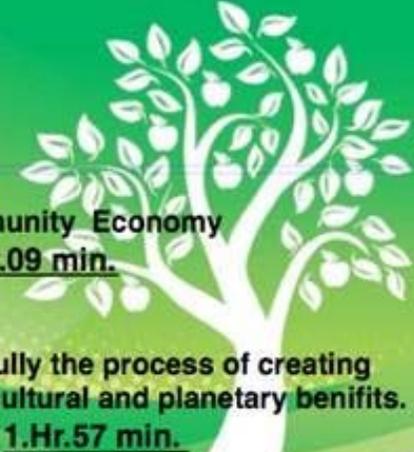
Paul Wildman PhD Economic & Adult Learning - Places Biochar within the context of a resilient and sustainable and community economy by integrating learning circles, giving ourselves permission to realise we can change things for the better



Biochar Seminar & Workshop

Paul Wildman PHD  
Paul Taylor PHD

# Biochar Seminar. Workshop & Lectures

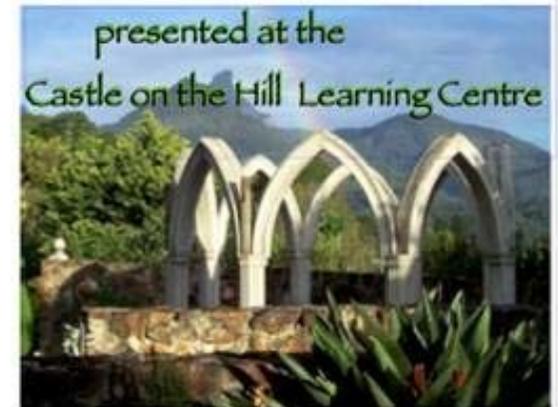
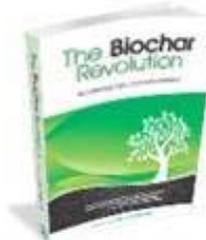


Paul Wildman PHD presents  
"Designing a Resilient Community Economy  
Incorporating BioChar" 1.Hr.09 min.

Paul Taylor PHD,  
Describes & demonstrates fully the process of creating  
quality BioChar and it's agricultural and planetary benefits.  
1.Hr.57 min.

"Biochar may represent the single most important initiative for humanity's environmental and agricultural future."

-Tim Flannery. 2007 Australian of the Year, Scientist, Explorer  
Author of the Weather Makers.



# 2<sup>ND</sup> RENAISSANCE & TRANSHUMANISM

Extracts from: Life Futures: Transhumanism and beyond: a suggested categorisation of emerging Forms Of Life (2013) 25pgs.

The concept 'borg' is used in its historical sense to identify a 'bionic' i.e. hu'man made organism referred to in his article as a Form Of Life (FOL).

The 2<sup>nd</sup> Renaissance book presents us with the stark contrast follow our existing entropic logic to oblivion or re-cover our archaic knowledge of neg-entropy and contribute to the healing of ourselves and our planet.

Even as recently as 5000years ago things were just bizarre for instance there are many instances of 'normal' skeletons with cranial volumes of up to 2.5times ours today. And tool use stretching back 1.4myrs in creatures with brain volumes 1/3 ours. Cities now extend well into the last ice age up to 15,000yrs ago and some ruins in South Africa have been dated at 100,000yBP. Remarkably today our species brain volume is decreasing 10cc per millennia. As Alice would say, things are a lot '*curiouser*' than we learnt in school.

30000years ago the earth was even more bizarre esp. re bio-evolution's creations of our species however in 30 years time it will likewise be just as bizarre but this time with our own **conscious**, mobile techno-evolution's creations. These are what I will talk about today.

## Overview:

Entropic Logic or negentropic Logic upload at the singularity? <http://singularityu.org/> (the S is where computer intelligence = 's human intelligence anticipated around 2050 I suggest more like 2030) and TH is about forms of life that are not completely organic as we have evolved - I suggest sentient/consciousness forms of non human life around 2020 - our grandchildren will interact with them). And escape from the (entropic) matrix: <http://www.escapingthematrix.org/> , as it is from this matrix that much of present-day Transhumanism springs.

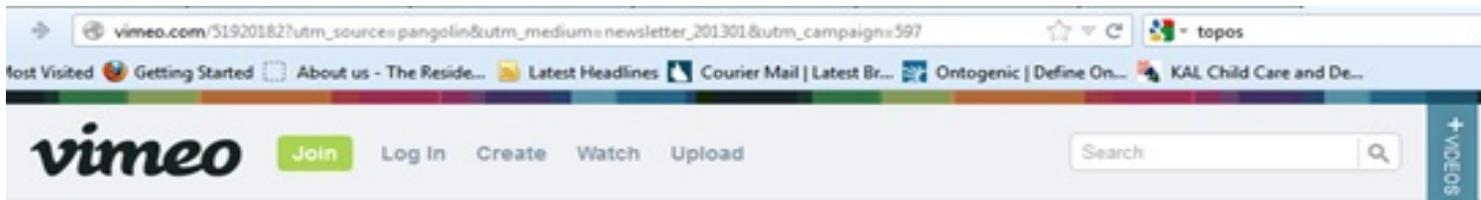
Transhumanism article and Pope's work - thanks Robert for allowing the use of your art in this article and presentation

To be published in the eZine [www.crafters-circle.com](http://www.crafters-circle.com) themed on Transhumanism and if anyone here would like to contribute please email or see me after the meeting.

The Renaissance was quite sharply divided from the subsequent Enlightenment whereby the R included love, art and creativity and learning whereas the E narrowed this focus to science, conformity and education. So the book and this centre is about the second Renaissance NOT the second Enlightenment.

A Learning Circle facilitator's development workshop is coming up down here on the 24<sup>th</sup> March. If any one is interested please see myself, Dolph or Gillian

# Cyborg ~ Neil Harbisson



## CYBORG FOUNDATION | Rafel Duran Torrent

from **Focus Forward Films** HD 3 months ago NOT YET RATED

CYBORG FOUNDATION is the Grand Jury Prize Winner in the \$200,000 GE/FOCUS FORWARD Filmmaker Competition. Watch the winners at [focusforwardfilms.com/winners](http://focusforwardfilms.com/winners).

Neil Harbisson was born with achromatopsia, a rare condition that causes complete colour blindness. In 2004, Harbisson and Adam Montandon developed the eyeborg, a device that translates colours into sounds.

Harbisson has been claimed to be the first recognized cyborg in the world, as his passport photo now includes his device. In 2010, Neil Harbisson and Moon Ribas created the Cyborg Foundation, an international organization to help humans become cyborgs.

The foundation has also experimented with other sensory devices, including an "earborg," which translates sound into color, and a "speedborg," which allows people to detect movement through electronic earrings that vibrate.

# Cyborgs ~ shades of Robocop and Starwars –

note the entropic logic in the third pic



The DARPA Warrior Web concept aims to develop a skin suit with embedded technology to reduce Soldier injuries while maintaining Soldier performance.

The first death caused by a robot i.e. the **first recorded Exoskeletalborg caused humborg fatality**, some 116 years after the first motor vehicle death. This accident occurred in 1985 when a machinist at a Michigan company entered a robot's work envelope.

**Macroborg - Datum Markers ~ ~ R Pope**



*Technoborg – Aesthention Drive ~ ~ R Nope*



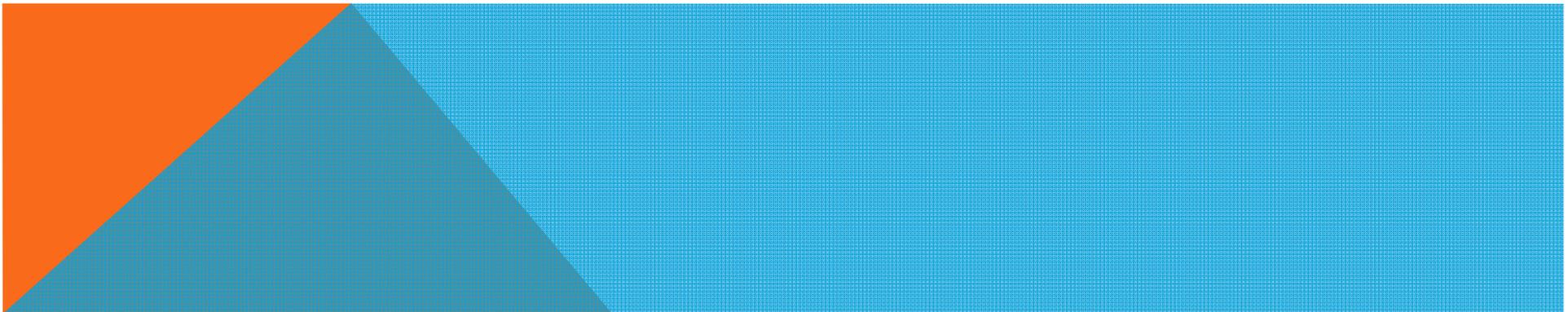
**Orgoborg – Biosphere energy flow ~ R Pope**



## **Getting the *New Renaissance* out there:**

Crafters circle – craft being practical art – [www.crafters-circle.com](http://www.crafters-circle.com)

Crafters-circle is themed around the 2<sup>nd</sup> Renaissance focus of neg-entropic social technology of Action Learning Circles – for instance Community Economics and Biochar (Dolph and Gillian) – and it would be good to have one on TH?



www.crafters-circle.com

Getting Started Most Visited About us - The Reside... Latest Headlines Courier Mail | Latest Br... Ontogenic | Define On... KAL Child Care and De...

# CRAFT

HOME

## CRAFT – Community Resilience through Action for Future Transitions

*Because our future is in our hands*

Issue 2 - part 2:  
**Brisbane's radical movements in the 1960s & 1970s**  
December 2012

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crafters-circle.com/archive2011/ pints per US gallon

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# CRAFT

HOME

## issue1 home

*Because our future is in our hands*

### Issue 1: Biochar

December 2011

#### CRAFTy content

Under the scheme an oil company will need to buy units to cover the emissions that will result when the oil they sell is used.

A forester plants

**DISC**  
With Biochar Learning C

#### External Relevant Material

The New York Times

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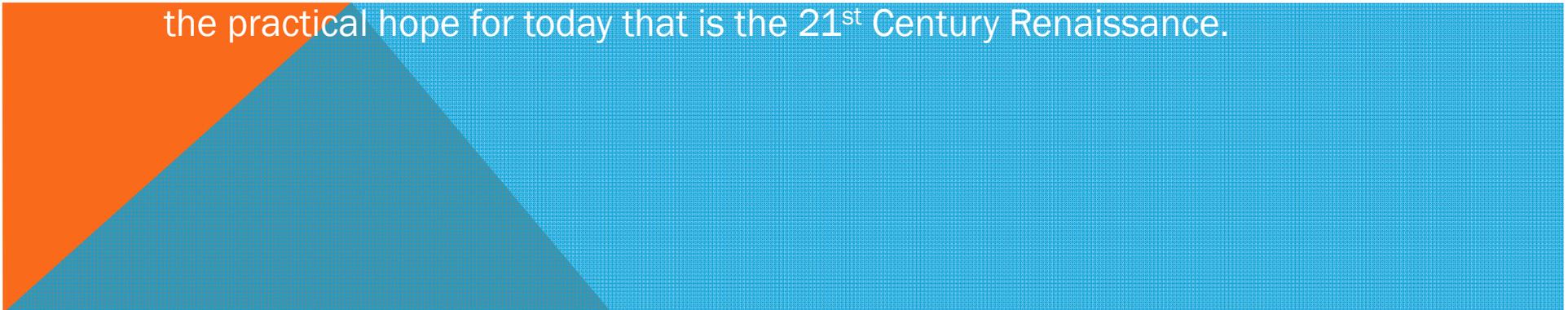
- Publications
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- Social Horizons
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#### NEWS

Annette and my focus is on Kids and Adults Learning and we have a dream of a vertically linked learning system quite unlike our present horizontal one of different ages. Annette focuses on the kids and I the adults learning part of our business. [www.kal.net.au](http://www.kal.net.au)

Irene deserves recognition for this great initiative in community based Adult Learning, which is quite rare now-a-days as ACE is consumed by TAFE and formal qualifications.

So thanks to Irene for this Learning Centre, to Robert and Tod for building it, and to Robert and Degrés for the book they have written that is so relevant to the needs of our globe today can synergise with our input and become part of the practical hope for today that is the 21<sup>st</sup> Century Renaissance.



Thank you

[paul@kalgrove.com](mailto:paul@kalgrove.com)