

The world's No.1 magazine for alternative news, health, future science and the unexplained

NEXUS

August-September 2011

NEW TIMES

Vol. 18, No. 5

**Fracking: an ecological disaster
and no answer to global warming**

AUSTRALIA (inc GST)	\$7.95
NZ (inc GST)	NZD \$7.95
UK	£4.25
EU	€4.95

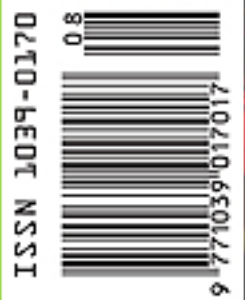
A simple cure for the common cold

**Carbon currency, smart energy
grids and the rise of technocracy**

Antibiotics, vaccines and superbugs

Thorium energy: a safer nuclear option

Comet Elenin: doomsday delayed



NEXUS

NEW TIMES MAGAZINE

Volume 18, Number 5
PO Box 30, Mapleton Qld 4560, Australia

AUGUST – SEPTEMBER 2011
Website: <http://www.nexusmagazine.com>

CONTENTS

LETTERS TO THE EDITOR.....4 <i>Readers comment on carbon dioxide as a non-pollutant, Morgellons disease research, vaccine dangers, the CHANI messages, alien intervention with humanity, and more.</i>	MURDERS IN THE VATICAN.....53 <i>By Philip Coppens. Evidence surrounding the 1998 killing of the new commander of the Swiss Guard overturns the Vatican's official version of events and raises questions about Opus Dei and masonic influences in the Curia and the activities of Eastern European spy networks.</i>
GLOBAL NEWS.....6 <i>We report on the limited lifespan of breast implants, the economic costs of hydraulic fracturing, Saturn's electric currents, the Fukushima disaster, GM madness, and more.</i>	MIKE MARCUM'S TIME MACHINE EXPERIMENTS.....59 <i>By Jason Offutt. Electronics tinkerer Mike Marcum used guinea pigs to test his time machine before trying to teleport himself. After jumping into the event horizon, he woke up to find he'd been teleported from Missouri to Ohio and had missed two years in the process.</i>
FRACKING: AN ECOLOGICAL DISASTER.....11 <i>By Catherine Simons. Hydraulic fracturing causes untold environmental and social damage, and the gas extracted from shale and coal seams has such a large greenhouse gas footprint that it cannot reduce global warming.</i>	THE TWILIGHT ZONE.....65 <i>We feature an extract from a book by Rebecca Lang and Michael Williams which investigates reports of big-cat sightings in Australia and suggests several theories as to how these out-of-place felids arrived in a foreign land.</i>
SACRED MUSHROOMS: A QUEST FOR MEANING.....17 <i>By Simon G. Powell. An inspired New York banker dedicated much of his life to ethnomycology research, discovering the shamanic practices of ingesting fungi with psychedelic and spiritual properties and experiencing and reporting on his own mystical visions.</i>	REVIEWS—Books.....71 <i>"Dirty Electricity" by Samuel Milham, MD, MPH "Disconnect" by Devra Davis, PhD, MPH "Slaying the Sky Dragon" by Sky Dragon Slayers "The Healing Code" by Alexander Loyd, PhD, & Ben Johnson, MD "Tasting the Universe" by Maureen Seaberg "The Déjà Vu Enigma" by Marie D. Jones and Larry Flaxman "The Cosmological Origins of Myth and Symbol" by Laird Scranton "Planetary Influences" by Beryl Payne, PhD "Black Genesis" by Robert Bauval and Thomas Brophy, PhD "Scattered Skeletons in Our Closet" by Karen Mutton "Sex, Bombs and Burgers" by Peter Nowak "America's Nazi Secret" by John Loftus "Beyond Einstein's Unified Field" by John Brandenburg, PhD "UFOs and the Extraterrestrial Message" by Richard Lawrence</i>
CARBON CURRENCY AND SMART GRIDS.....25 <i>By Patrick M. Wood. An economic system based on energy production and consumption instead of price, and a global electrical network using interconnected smart technologies, may fulfil Technocracy's ideological plan to exert centralised control over the world's population.</i>	REVIEWS—DVDs.....78 <i>"Food, Inc." by Robert Kenner "UFOs and Close Encounters" from Reality Films "Kubrick's Odyssey – Part 1: Kubrick and Apollo" by Jay Weidner</i>
INSTANT CURE OF THE COMMON COLD.....35 <i>By Walter Last. Too much lactose in the diet promotes mucic acid formation, leading to mucus congestion which can cause a range of health problems starting with the common cold. A simple technique using an inexpensive item from your kitchen cupboard can solve the problem.</i>	REVIEWS—Music.....79 <i>"Whale Whispers, Lion Roars" by Madeleine Walker "Laru Beya" by Aurelio "Revolve" by La Cherga "Prana Groove" by Stevin McNamara</i>
BURSTING THE BUBBLE OF ANTIBIOTICS.....41 <i>By Dr Viera Scheibner. The mass use of antibiotics, also in conjunction with vaccines, has led to widespread immune system compromise and disease susceptibility, as well as to the development of superbugs and superinfections that are resistant to orthodox treatment.</i>	NEXUS BOOKS, DVDs, ADS, SUBSCRIPTIONS.....87–96
SCIENCE NEWS.....49 <i>This edition, we cover the promise of thorium power, the discovery of free-floating planets, a device that captures ambient electromagnetic energy, and comet Elenin's orbit.</i>	

NEXUS MAGAZINE

Volume 18, Number 5

AUGUST – SEPTEMBER 2011

PUBLISHED BY

NEXUS Magazine Pty Ltd, ABN 80 003 611 434

EDITOR

Duncan M. Roads

Email: editor@nexusmagazine.com

CO-EDITOR

Catherine Simons

ASSISTANT EDITOR/SUB-EDITOR

Ruth Parnell

OFFICE ADMIN/EDITORS' ASSISTANTS

Jenny Hawke; Susie Foster

MAIL ORDER DEPARTMENT

Richard Giles; Susie Foster

WEB MISTRESS/PROOFREADER

Jenny Hawke

CONTRIBUTORS THIS ISSUE

Catherine Simons, BSc; Simon G. Powell;

Patrick M. Wood; Walter Last;

Viera Scheibner, PhD; Philip Coppens;

Jason Offutt; Rebecca Lang and

Michael Williams

CARTOONS

Phil Somerville

COVER GRAPHIC

Jeff Edis, jeff_edis@hotmail.com

PRINTING

Beauesert Times, Queensland, Australia

AUSTRALIAN DISTRIBUTION

Network Services (ACP)

HEAD OFFICE – All Correspondence

PO Box 30, Mapleton, Qld 4560, Australia.

Tel: (07) 5442 9280; Fax: (07) 5442 9381

Website: <http://www.nexusmagazine.com>

NZ OFFICE: Tel: +64 (0)9 405 1963; Email: nexusnz@xtra.co.nz

UK OFFICE: 55 Queens Rd, East Grinstead, West Sussex, RH19 1BG. nexus@ukoffice.u-net.com

EUROPE OFFICE: Postbus 10681, 1001 ER Amsterdam, The Netherlands. Email: nexus@fsf.nl

STATEMENT OF PURPOSE

NEXUS recognises that humanity is undergoing a massive transformation. With this in mind, NEXUS seeks to provide 'hard-to-get' information so as to assist people through these changes. NEXUS is not linked to any religious, philosophical or political ideology or organisation.

PERMISSION-TO-REPRODUCE POLICY

While reproduction and dissemination of the information in NEXUS is actively encouraged, anyone caught making a buck out of it, without our express permission, will be in trouble when we catch them!

Editorial

Welcome to the 123rd edition of NEXUS Magazine put together on my watch. This cute number marks the fact that I have been publishing various alternative news magazines every two months for 30 years now. And still I wake up every day and watch with amazement as an unsuspecting world is lulled into a future whose existence few can comprehend.

Take, for example, the article in this edition titled "Technocracy, Carbon Currency and Smart Grids". Now I know that most westerners are heartily sick of the carbon tax/credits/currency debate chewing up our media oxygen, but pay attention to this whole topic because it is going to have an impact on you in ways that you may not have contemplated yet.

Forget the amero, the euro and other stepping-stone currencies: the end-plan is to set up a global cashless currency based on energy, not gold or silver. Obviously this new system will not happen overnight; nor will it be suggested and embraced voluntarily. A crisis of epic proportions will have to be staged and/or used to bring this new economic order into being. And carbon taxes, carbon credits and carbon currencies are the first steps. (I'm sure that biblical scholars are already thinking about carbon's make-up of six protons, six neutrons and six electrons—666!)

Importantly, however, this new system *must* have a certain technology in place in order to work properly—and wouldn't you know it, we are putting that exact technology into place all over the planet at breakneck speed under a guise of names, the most common being "smart sensors" and "smart grids". Soon, every gadget you use will be talking to the central computer via smart sensors that determine if, how and when your gadget gets powered.

Obviously now, any of the suppressed "free energy" technologies can be released or utilised without disrupting the ruling elite's grip on the system. If they control the currency/energy, then it matters not who comes up with some energy technology that would have previously "rocked the boat".

Once you see this picture emerging, you suddenly realise that the chain of events leading up to this goal has been decades in the planning and execution—from the decoupling of the US dollar from gold in 1971, the creation of the petrodollar (a *de facto* global reserve currency), the fake Peak Oil crisis and the Kyoto Protocol, right up to the nonsensical "debate" that would have us believe that carbon dioxide is a pollutant causing global warming.

The installation and implementation of the global smart energy grid is but a year or two away. It is important to realise that, if it's achieved as planned, eventually this grid *and* the currency will be run and maintained by artificial intelligence (AI). This has many big implications, not least of which is the growing idea that AI can/might become self-aware, and so on.

A change of this magnitude is not going to happen easily. For it to be implemented, we are going to see some more regional wars, a currency and financial crisis of unimaginable proportions and, more huge Earth-change events. I predict we are also going to see the removal of various power-pawns who have decided they don't want to play along any more—people like international media moguls (e.g., Murdoch), leaders of countries still opposing a new world order (e.g., Libya), and anyone else used to create the problem or manufacture the reaction—so that the desired goal becomes the only solution.

Duncan

WARRANTY AND INDEMNITY

Advertisers upon and by lodging material with the Publisher for publication or authorising or approving of the publication of any material INDEMNIFY the Publisher and its servants and agents against all liability claims or proceedings whatsoever arising from the publication and without limiting the generality of the foregoing to indemnify each of them in relation to defamation, slander of title, breach of copyright, infringement of trademarks or names of publication titles, unfair competition or trade practices, royalties or violation of rights or privacy AND WARRANT that the material complies with all relevant laws and regulations and that its publication will not give rise to any rights against or liabilities in the Publisher, its servants or agents and in particular that nothing therein is capable of being misleading or deceptive or otherwise in breach of the Part V of the Trade Practices Act 1974. All expressions of opinion are published on the basis that they are not to be regarded as expressing the opinion of the Publisher or its servants or agents. Editorial advice is not specific and readers are advised to seek professional help for individual problems. The publisher reserves the right to refuse any advertising material for any reason. © NEXUS New Times 1987–2011

Republished plus new information - available now!

CoEvolution

One Monday in mid-February 1989, Alec Newald set off on what should have been a three-hour drive from Rotorua to Auckland in New Zealand.

He arrived in Auckland feeling tired and confused, but was even more confused to learn that Monday was now Thursday ten days later, and that he had no idea of what had happened in the meantime!

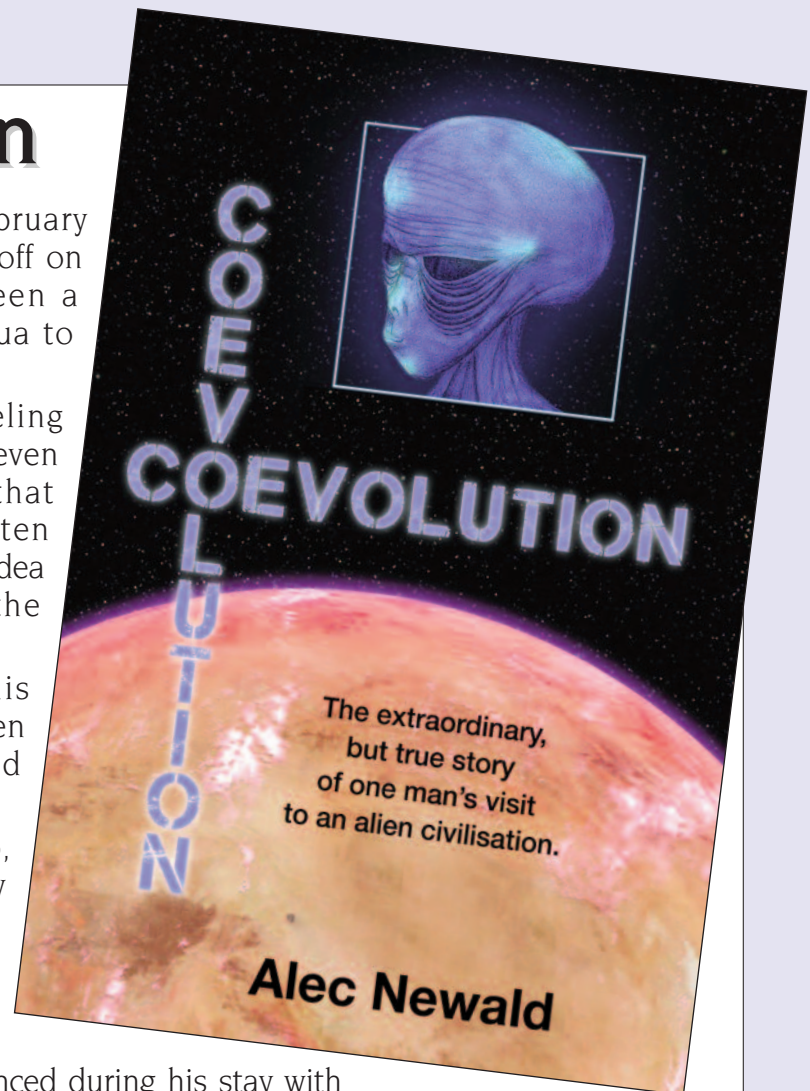
When Alec did retrieve his memories of those missing ten days, he realised his life had changed forever.

Early on in that fateful trip, while driving through a foggy mountain pass, Alec was whisked from the road by beings from an extraterrestrial civilisation.

What he learned and experienced during his stay with these friendly beings has profound implications for all of us here on Earth.

Soon after his 'return', Alec received strange visits from 'government scientists' wanting to know about his experience. Among other things, they were keen to learn what he had noticed about the capabilities of this alien race. Alec was uncooperative and soon found himself in 'hot water'.

It was obvious that these 'scientists' knew all about Alec's 'abductors' and expected they would return to Earth one day—soon.



**OR ORDER ONLINE AT:
www.nexusmagazine.com**

Letters to the Editor ...

Assessing the Truth

Dear Editor: Dick Barton (NEXUS Letters 18/04, June–July 2011) effectively says that if "they", apparently meaning scientists as an all-embracing group, get it wrong on one point then you can't trust any of their research.

Science, like every other human endeavour, has both its heroes and its villains, and it is foolish indeed to reject it in its entirety simply because of a few villains or a few people who have made mistakes.

Instead of dismissing all of science out of hand, discerning NEXUS readers need to try to make themselves broadly enough informed that they can assess the truth of any issue, be it scientific research or which conspiracy theory is the correct one, or whatever.

There is no broad sweep: we must consider things issue by issue.

Peter S.

Publicising Dirty Medicine

Dear Friend: This is a very short note about my latest book, *Dirty Medicine: The Handbook*. Since the well-attended launch of the book in May 2011, there has been little publicity about the book.

The book was written and published with the intention of defending CAM (complementary and alternative medicine) against the onslaught of pharmaceutical medicine and its rabid desire to control ill-health globally.

The "other side" has had

the strategy of meeting all my work over the last 20 years with absolute silence, so not fanning the flames of distribution even with critical reviews.

It never occurred to me that the beleaguered forces fighting *for* CAM could actually be as silent as the opposition.

Slingshot Publications virtually gave away the first copies of the book at £5 a copy.

The point of this was to stimulate distribution after the launch, but this strategy doesn't seem to have worked.

If you know of any way to get a review written of this book, please work at it. If you know of any way of increasing sales, either wholesale or retail, then please try to effect this.

Best wishes,
Martin Walker, UK,
slingshotpublications.com

Morgellons Invasion

Dear Duncan: I read with interest the letter from Matthew E. of Queensland, Australia (NEXUS 18/04). I find it rather daunting to hear that his partner has been whisked away.

I was infected with Morgellons disease in September 2009 and finally, after much running around and persistence, I have an appointment with a dermatologist.

After reading of Matthew's partner's plight, I just might not turn up for this appointment.

Maybe it would be best to mail them the jars of worms, parasites and fibres that have come out

of my body, as witnessed by my husband.

Interestingly, neither my husband, whom I sleep with, nor my grandchildren, who from time to time share my bed, have any symptoms of any kind.

While much-needed research has been closed down or vilified, there were 15,623 known reported cases in England [UK?] and over 11,000 cases in America at the time of reporting before the medical profession closed ranks.

There is now an upsurge in cases reported in South America and also in Australia.

I have not given in to anxiety or depression, as could easily be the case. This disease has given me the determination to speak out. I was not impressed by the ABC Radio *Health Report* which recently regurgitated old discredited rubbish from the Mayo Clinic.

Randy Wymore from Tulsa Oklahoma State University is more credible with his explanation, and maybe Dr Stephen Hawking is right: it could be an "alien invasion" and not biochemical warfare at all. Who knows?

My experiments on my own lesions will continue, and I intend to pursue a properly documented treatment to avoid being labelled as delusional and wrongly diagnosed as having scabies, etc.

People seem to be obtaining better treatment from naturopaths, and at least if I go through the

proper channels there will be official records instead of my being fobbed off as a nutcase.

M. W., Old, Australia

Death from DPT Vaccine

Hi Duncan: Attached is the story I wrote last year of my son's death following a DPT vaccination several years ago, and my suspicion and discovery that vaccination could have played a hand.

The then authorities rather suspiciously failed to give me full access to documentation surrounding his death.

The article is way too long to publish as a letter, but I thought I'd send it anyway for you to see if it is of any interest as a story.

It probably isn't quite highly polished and well referenced enough for your magazine, but you can decide, should anyone have time to read it, as I always tend to be overcritical of my own efforts. I've also posted it online at www.dptvaccinatedanger.net.

Regards,
Shaun W., UK

Shame on CHANI

Dear Duncan: I hardly know where to begin to tell you of my reaction to the CHANI material [18/04].

First, I was amazed that you even published it, and then gave it a positive review in your editorial. Looking at it from my perspective of living over fifty of my eighty-one years on Earth as a consciously spiritual person, I could only respond to what I

... more Letters to the Editor

read with one old-fashioned word: "Hogwash!" I don't care where or how it was channelled: it "reeks" of playing with us to see just how much we will swallow.

Let's start at the beginning. There is one "gimmick" after another: the name the author chose, the name given to the being supposedly giving this information, the spelling used for the messages, and the predictions given without a year.

As for Upper Echelon being spiritual, that too is ridiculous. Occult, yes; spiritual, no. Big, huge difference. Then the information passed along also indicates lack of spirituality. Everything written is of a three-dimensional nature.

Nowhere is there any sign that the "Entity" knows anything of a higher-dimensional nature.

The predictions are a joke. Anything and everything will happen before any month. It's the *year* that distinguishes it as fact or fiction. The predictions are also all espousing fear, for those so inclined.

So, unless this "Acolyte" has withheld truly meaningful, spiritually enlightened information, I'm at a loss to see its value, even at a 3D level.

Sincerely,
Beverly

[Dear Beverly: *Reaction has been mixed regarding the CHANI article, and I can see it has 'pushed your buttons' a bit. I can understand that it seems incongruous to most other 'accepted' forms of channelled*

information, however, I will go to my grave with the firm belief that the project, the entity and the communications are real and genuine, and occurred pretty much as described. Ed.]

CO₂—Not a Pollutant

Dear Editor: The *Collins English Dictionary* definition of "pollute" reads "to contaminate with poisonous or harmful substances", i.e., substances that cause illness and/or death; for example, the radiation from the recent Japanese nuclear disaster rendering large areas unfit for human habitation, and the fracking fluids from coal seam gas (CSG) extraction rendering groundwater undrinkable and unusable for crops and livestock.

Both the nuclear and CSG industries have used the global warming model for PR purposes. How can carbon dioxide (CO₂), the essential nutrient for all green plants, without which none of us could live, be pollution?

Recently, SBS TV screened a program, contributed to by NASA scientists, on the K-T event that ended the age of the dinosaurs; it's part of the *Catastrophe* series, available on DVD.

A comet the size of Mount Everest, containing CO₂ equivalent to 3,000 years of human emissions at today's rates, crashed to Earth, the burning debris from which caused a worldwide conflagration, releasing the CO₂ previously stored in primaeval forests and depositing 70 billion tonnes of soot, all

in the space of a few days.

With this massive addition of CO₂, a startling atmospheric concentration of CO₂ over seven times higher than it is today, and vegetation able to absorb CO₂ severely reduced, the Earth's atmosphere regained equilibrium in a few hundred years.

Global warming models are projections, and therefore are open to being wildly wrong when based on incomplete understanding.

The geological records of atmospheric temperature and CO₂ levels, even if they are incomplete and open to interpretation, are based on what actually happened over long periods of time.

There are plenty of other truly poisonous pollutants to worry about without putting carbon dioxide on the list.

Yours sincerely,

Trisha O., Mapleton,
Queensland, Australia

Cataracts Treatment

Dear Duncan: Further to the treatment of cataracts: (Letters, 18/04, June-July 2011), I attended a therapist who learned his therapy in China. His therapy was some different kind of manipulation, but not anything I'd previously experienced.

When I went to him, he would look into my eyes and say: "Yes, the cataracts are going."

He left the area unexpectedly before I could ask him just which part of his therapy was getting rid of the cataracts. That was

about 14 years ago. I am seventy-one. I have no sign of cataracts now, nor have I had in the past years.

He also gave me a few exercises to do at home. The only one that involved the eyes is this: put a dot on the wall at eye height; focus on the dot and slowly walk backwards about four metres, then come up to the dot again. I can't imagine that it could affect cataracts.

A good Chinese therapist may know, as this guy was not highly specialised. He learned the therapy which he called Chinese Massage when he went to China for advanced karate tuition.

My policy is: let's share our self-help, and help each other.

Joy G., Queensland,
Australia

Alien Intervention Tales

Dear Editor: It was an interesting article by John Lash (18/03, April-May 2011) on the contradiction between the Sumerian and Egyptian origin stories, although I don't know why he tries to cast writers like Icke and Tsarion as fear-mongering fatalists when their central message is that power rests on nothing other than a person's willingness to give it away, i.e., the Archons have no intrinsic power.

In any case, a far more striking contradiction is Lash's use of a Gnostic text to prove humanity's immaculate conception!

Andrew, NSW, Australia

BREAST IMPLANTS LAST ONLY 10 YEARS

Reversing earlier statements that breast implants are completely safe and never have to be replaced, the US Food and Drug Administration (FDA) now says that many women who have implants must have them removed or replaced within a decade.

According to the agency, new research data from a long-term study found that the implants should be examined every 10 years because they are at risk of rupturing, and that some are linked to a rare form of cancer.

The FDA first banned silicone gel-filled implants in 1992 after some women complained that they leaked and caused some chronic illnesses.

(Source: *NaturalNews.com*, 1 July 2011, <http://tinyurl.com/3rvjga7>)

ECONOMIC BENEFITS OF FRACKING ARE EXAGGERATED

Despite the money being poured into efforts to extract natural gas from shale, the economic benefits are not looking good.



Studies into shale gas extraction are typically supported by industry bodies. Because their reports are not peer-reviewed, economist Dr Thomas Kinnaman of Bucknell University in Lewisburg, Pennsylvania, decided to review six of them himself. All support extracting shale gas, arguing that it creates new jobs and revenue.

Dr Kinnaman found that all the reports contain flaws that exaggerate the benefits of shale gas extraction to local economies. Most rely on an economic model called

IMPLAN, which supposes, say, that local services such as hotel rooms are going unused until the gas industry comes along to spend money on them. In fact, such spending may displace other consumers, creating no net benefit.

Dr Kinnaman also found that none of the studies measures all the costs and benefits of extracting shale gas, so he could not determine if shale gas really offers a net gain.

In late June, the *New York Times* published hundreds of gas industry emails, many of which claim that the amount of gas being produced is exaggerated.

(Source: *New Scientist*, issue 2810, 30 June 2011, <http://tinyurl.com/6hzhmx>)

THOUGHT-CONTROLLED SMART HOUSES

Two friends meet in a bar in the online environment Second Life to chat about their latest tweets and favourite TV shows. Nothing unusual in that—except that both of them have Lou Gehrig's disease, otherwise known as amyotrophic lateral sclerosis (ALS), and it has left them so severely paralysed that they can only move their eyes.

These Second Lifers are just two of more than 50 severely disabled people who have been trying out a sophisticated new brain-computer interface (BCI). Second Life has been controlled using BCIs before, but only to a very rudimentary level. The new interface, developed by medical engineering company g.tec of Schiedlberg, Austria, lets users freely explore Second Life's virtual world and control their avatar within it.

It can be used to give people control over their real-world environment, too: opening and closing doors, controlling the TV, lights, thermostat and intercom,



... GLOBAL NEWS ...

answering the phone or even publishing Twitter posts.

The system was developed as part of a pan-European project called Smart Homes for All, and is the first time the latest BCI technology has been combined with smart-home technology and online gaming. It uses electroencephalograph (EEG) caps to pick up brain signals, which it translates into commands that are relayed to controllers in the building, or to navigate and communicate within Second Life and Twitter.

(Source: *New Scientist*, issue 2819, 5 July 2011, <http://tinyurl.com/3zgszwz>)

POWERFUL ELECTRIC CURRENTS LINK SATURN WITH ITS MOON ENCELADUS

Data from NASA's *Cassini* spacecraft have revealed that Enceladus, Saturn's sixth-largest moon, is linked to Saturn by powerful electrical currents—beams of electrons that flow back and forth between the planet and moon.

Researchers have found that jets of gas and icy grains emanate from the south pole of Enceladus, which become electrically charged and form an ionosphere. The motion of Enceladus and its ionosphere through the magnetic bubble that surrounds Saturn acts like a dynamo, setting up the newly discovered current system.

Scientists already knew that the giant planet Jupiter is linked to three of its moons by charged current systems set up by the satellites orbiting inside its giant magnetic bubble, the magnetosphere, and that these current systems form glowing spots in the planet's upper atmosphere. The latest discovery at Enceladus shows that similar processes take place within the Saturnian system, too.

The finding is part of a paper published in the 21 April edition of the journal *Nature*.

(Source: *Physorg.com*, 20 April 2011, <http://tinyurl.com/3l8rlzv>)

US MILITARY SPENDS \$20 BILLION A YEAR ON AIR CONDITIONING IN MID-EAST

The amount that the US military spends annually on air conditioning in Iraq and Afghanistan has been calculated at US\$20.2 billion. That's more than NASA's budget. It's more than BP has paid so far for damage during the Gulf oil spill. It's what the G8 has pledged to help foster new democracies in Egypt and Tunisia.

"When you consider the cost to deliver the fuel to some of the most isolated places in the world—escorting, command and control, medevac support—when you throw all that infrastructure in, we're talking over \$20 billion," said Brigadier General (Ret.) Steven Anderson, who served as General David Petraeus's chief logistician in Iraq.

Why does it cost so much? To power air conditioners at remote outposts in land-locked Afghanistan, a 9,000-gallon fuel tanker has to be driven 800 miles from Karachi, Pakistan, over 18 days to Afghanistan on roads that are sometimes little more than "improved goat trails", Anderson said. "And you've got risks that are associated with moving the fuel almost every mile of the way."

Anderson has calculated that more than 1,000 troops have died in fuel convoys, which remain prime targets for attack.

Free-standing tents equipped with air conditioners in 125°F [\sim 51.7°C] heat require a lot of fuel. Anderson said that by making those structures more efficient, the military could save lives and dollars.

Still, his \$20.2 billion figure raises stark questions about the ongoing war in Afghanistan.

(Source: *NPR.org*, 25 June 2011, <http://tinyurl.com/5tsabqk>; *BBC News*, 29 June 2011, <http://tinyurl.com/6ybn4gc>)

VACCINE-AUTISM RESEARCHER INDICTED FOR FRAUD

American prosecutors are attempting to extradite Danish scientist Poul Thorsen, who has been charged with 13 counts of wire fraud and nine counts of money laundering. A federal grand jury alleges that Thorsen stole over US\$1 million from autism research funding between February 2004 and June 2008.

Thorsen is said to have used the proceeds to buy a home in Atlanta, Georgia, two cars and a Harley-Davidson motorcycle. He is said to have stolen the money while serving



"I don't know...the place hasn't been the same since we transitioned from fossil fuel to solar."

... GLOBAL NEWS ...

as the "principal investigator" for a program that studied the relationship between autism and exposure to vaccines.

Thorsen's research on autism is widely known in academic circles, where until this week he was a highly respected figure. A paper of his on the subject, which is known as "The Danish Study", is quoted extensively to refute the autism-vaccine connection."

(Source: *BlackListedNews.com*, 22 May 2011, <http://tinyurl.com/3mjmnts>)

URBAN CHINA GOES ORGANIC

After years of nerve-racking food scares from "melamine milk" to "glow-in-the-dark pork" and "exploding watermelons", urban China is starting to embrace the shoots of a new, green revolution and is going organic.

In recent years, China has been hit by a number of food scandals and fears about safety have lingered.

In 2008, 300,000 babies became seriously ill and six babies died after being given formula contaminated with the industrial chemical melamine.

In March this year, health officials discovered pork that glowed an iridescent blue in the dark because of contamination with a particular type of bacterium. In April, police

seized 40 tons of beansprouts which had been treated with dangerous growth-promoting chemicals and hormones. In May, watermelons started exploding in the fields because they'd been treated with too much accelerant.

Amid the scares, it was reported that China's government departments are running their own organic farms to feed staff, sparking criticism that officials were putting their own safety before that of the people.

"There are serious concerns about food safety these days, so we decided to give it a go," said Yu Luping, a 74-year-old retired teacher, as she lovingly watered a tray of lettuce seedlings on the balcony of her 13th-floor apartment just off Beijing's second ring-road.

"This way we can both beautify the apartment with something green and know that at least some [of] our vegetables are safe to eat. I'm new to all this, but if it works I'm going to try beans, tomatoes and even some peppers next year."

Mrs Yu is one of 80 families in her block of flats who have started to experiment with balcony-gardening after posters appeared in her compound exhorting residents to grow their own vegetables—"fresh, healthy and with no pollution!"

On a larger scale, organic farmers and a host of co-operative schemes that lease small parcels of land to urbanites who want to feel the soil under their fingernails—not unlike British allotment schemes—report that business is suddenly booming.

(Source: *The Telegraph*, 29 May 2011, <http://tinyurl.com/3h6dquz>)

FRANCE BANS FRACKING

Even though the nation sits atop what many analysts believe are some of the most potentially productive natural gas fields in the world, the French Parliament has voted to ban the practice of hydraulic fracturing, or fracking, making France the first nation in the world to do so.

(Source: *NaturalGasWatch.org*, 7 July 2011, tinyurl.com/6fgqzz6)

FUKUSHIMA: THE SAD TRUTH

The nuclear industry will continue to expose humanity to the sad events seen in Fukushima, Japan, where hundreds of thousands of people have received dangerously high doses of radiation exposure. These levels of exposure will cause the Japanese people thousands of cancer-related illnesses for generations to come.

As of this writing, three reactor cores have melted down and radiation continues to poison people in Japan and around the world. Many governments continue to downplay the severity of this event as they move aggressively forward with the planned construction of dozens of reactors, while other countries like Germany, Italy, Switzerland and Malaysia have voted to phase out all nuclear power.

Three days after the Fukushima disaster began, Chris Huhne, the UK Energy and Climate Change Secretary, worked with nuclear officials from Westinghouse, Areva and EDF in developing a PR campaign designed to downplay the severity of the disaster.

Many countries have performed



... GLOBAL NEWS ...

studies that unequivocally prove there is a relationship between the low-level radiation constantly being released by nuclear plants and substantial increases in rates of cancer in the residents living within close proximity to nuclear facilities.

The US and UK governments do not recognise the results of these reports, even though much of the information and methodology was obtained using data from Chernobyl provided by hundreds of Russian scientists.

Even with three core meltdowns, the public and the rest of the world were not made aware of what was actually taking place. In some cases, the nuclear industry actually used the event to promote the safety of the reactors that survived the 11 March earthquake.

(Source: *Herald de Paris*, 12 July 2011, via <http://nuclearfreeplanet.org>)

WORLD POPULATION TO HIT SEVEN BILLION IN OCTOBER

The UN commemorated World Population Day on 11 July against the backdrop of an upcoming landmark event: global population hitting the seven billion mark by late October this year. According to projections, in 2025 it will be eight billion.

The world's five most populous countries are China (1.3 billion), India (1.2 billion), the USA (310.2 million), Indonesia (242.9 million) and Brazil (201.1 million).

Africa's population has more than tripled during the second half of the 20th century, growing from 230 million to 811 million. As a result, Africa has become more populous than Europe. Nigeria, Africa's most populous country at 158 million, is expected to grow to 730 million by century's end, making it larger than Europe's projected population of 675 million.

(Source: *Global Research, Canada*, 8 July 2011, <http://tinyurl.com/5u8ozbg>)

GENETIC MODIFICATION GONE WILD: 10 SIGNS THAT OUR WORLD MAY SOON RESEMBLE A REALLY BAD SCI-FI MOVIE

by Michael Snyder

Did you know that, today, scientists are actually producing mice that tweet like birds, cats that glow in the dark, "monster salmon", "spider goats", cow/human hybrids, pig/human hybrids and even mouse/human hybrids? The very definition of life on Earth is changing right before our eyes.

For decades, scientists around the globe have been fooling around with DNA and have been transplanting genes from one species to another. But now technology has advanced so dramatically that just about the only thing limiting scientists is their imagination. The things you are about to read about below are truly bizarre. In recent years, science has really "pushed the envelope" and scientists all over the planet are quite eager to push it even further.

1. In China, scientists have inserted human genes into the DNA of dairy cow embryos. At this point, approximately 200 hybrid cows have been successfully produced. These cows can produce milk that is virtually identical to human breast milk. The scientists hope to have huge herds of these cows producing an alternative to human breast milk soon, and they hope to have this "milk" sold in global supermarkets within three years.

2. In Canada, scientists at the University of Guelph, Ontario, have produced what they are calling "enviropigs". These "enviropigs" have had genes from mice spliced into them, and according to the scientists they produce less phosphorus in their "poop", so they are being touted as "environmentally friendly". Authorities in both the USA and Canada are evaluating whether or not to allow these "enviropigs" into the food supply.

3. Scientists in Japan have created a genetically modified mouse that tweets like a bird.

4. One US corporation can now produce a very muscular "monster salmon" which can grow up to three times as fast as normal salmon do.

5. Scientists can now produce cats that glow in the dark. A genetically modified cat, named Mr Green Genes, is the very first fluorescent cat in the USA. But Mr Green Genes is not the first "glow-in-the-dark cat" in the world. That honour went to a cat created by a team of scientists in South Korea.

6. In Japan, scientists have discovered that they can grow rat organs inside mice. The researchers hope to use the same technology to grow human organs inside pigs.

7. In Missouri, USA, creatures that are part pig and part human are being grown with the goal of providing organs for human transplants.

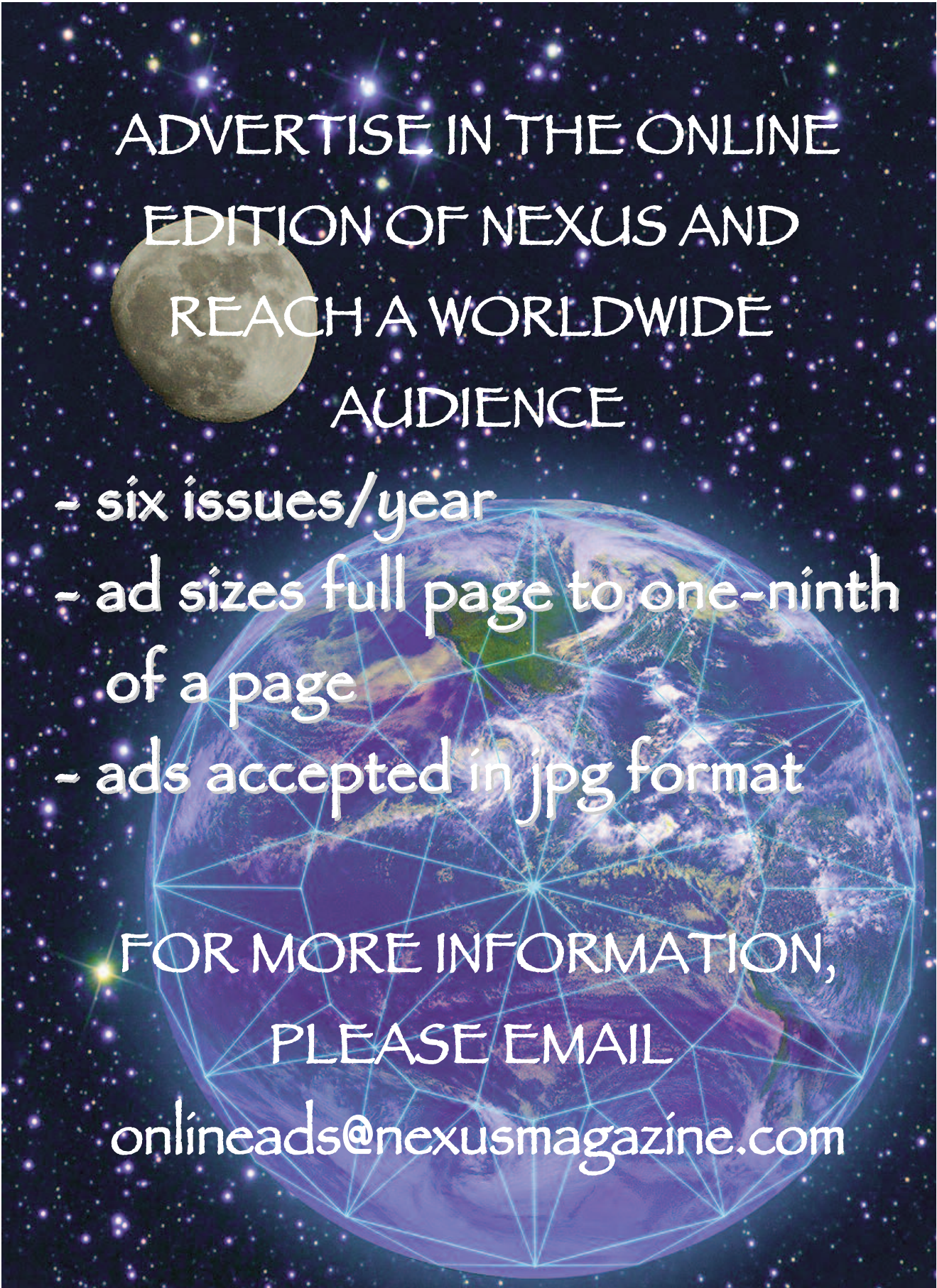
8. Scientists at Rockefeller University have injected human genes into mice. These "humanised mice" are being used to study the spread of the hepatitis C virus.

9. US scientists have discovered that they can actually "grow" new human organs from scratch. In addition to bladders, scientists have engineered new skin, bone, cartilage, corneas, windpipes, arteries and urethras.

10. Canadian company Nexia has genetically modified goats to be part spider. The genetic modification process causes these "spider goats" to produce spider silk protein in their milk. This spider silk protein is collected, purified and spun into incredibly strong fibres. These fibres are tougher than Kevlar®, more flexible than nylon and much stronger than steel.

As frightening as all of those examples may sound, the truth is that the genetic modification of plants has gone even further than the genetic modification of animals.

(Source: *Michael Snyder, contributing writer, BlackListedNews.com*, 27 June 2011, <http://tinyurl.com/3duleze>)



ADVERTISE IN THE ONLINE
EDITION OF NEXUS AND
REACH A WORLDWIDE
AUDIENCE

- six issues/year
- ad sizes full page to one-ninth of a page
- ads accepted in jpg format

FOR MORE INFORMATION,
PLEASE EMAIL
onlineads@nexusmagazine.com

FRACKING AN ECOLOGICAL DISASTER

Not only does hydraulic fracturing cause enormous environmental and social damage, but the gas extracted from shale and coal seams has a much larger greenhouse gas footprint than coal, and its use will be ineffective in reducing global warming.

by Catherine Simons, BSc
© July 2011

NEXUS Magazine, PO Box 30,
Mapleton, Qld 4560, Australia

Email:
editor@nexusmagazine.com

The controversial method of obtaining "natural gas" out of shale or coal seams, known as *hydraulic fracturing* or *fracking*, is causing devastating environmental and social damage. Despite evidence to the contrary, the "natural gas" obtained in this way is widely reported as "the green energy of the future". This is because the gas industry and some so-called environmentalists promote the fact that "natural gas" has only about half the carbon dioxide emissions of coal in its end use. This does not take into account the disastrous effects of obtaining the so-called "greener product". Nor does it take into account all the greenhouse gases released during its entire production and consumption cycle.

Fracking involves drilling a well vertically then horizontally into a shale or coal seam, and then injecting it under pressure with fracking fluid to release the "natural gas". Each time a well is fracked, around a million (US) gallons of water is mixed with at least 5,000 gallons of toxic chemicals and is forced with sand into the well to crack open the layers of coal or shale to release the gas. Each well is fracked multiple times. The process is unpredictable, as there is no way to tell which way the shale or coal will crack. Some of the fracking fluid stays underground, but at least half comes back up with the original chemicals in it, mixed with many other toxic substances that it has picked up in its passage underground. There is huge potential to contaminate underground and aboveground water and land with this toxic mix. The water mix that comes back to the surface is called *produced water* and has to be removed and disposed of properly. If one of the cracks opens up to an underground aquifer or to an uncapped area above the ground, catastrophic effects can occur.

A fast-growing public backlash against fracking is arising from the many negative impacts on the immediate physical environment. Not only has fracking contaminated and poisoned farmland, aquifers, waterways and the air, it has also been deemed responsible for increased seismic activity!¹

In the USA, where fracking has been conducted for decades, many serious environmental problems have resulted. In a 2011 documentary titled *Fracking Hell*,² Dr Tony Ingraffea, Professor of Engineering at Cornell University, explained: "Once the chemicals are injected and the fracturing process is complete, a large percentage of that fluid comes back up. So we have purposely polluted large quantities of fresh water with chemicals that do not belong in the human environment, and now we have the responsibility...to dispose of them properly. But we're talking enormous quantities." He also said: "The estimate of the Pennsylvania Department of Environmental [Protection] is one serious environmental concern for every 150 wells drilled to date... If we're talking hundreds of thousands of wells, we're doing hundreds or thousands of spills. That's called cumulative impact." An industry worker noted: "Some of the sites are well regulated...but the rest of the 95 per cent of them...no. I've seen chemicals come out of the side...it looked like the mountain was bleeding..."

In Dish, Texas, 10 billion cubic feet of gas runs through the town each day,

through 10 different pipelines. At most places where the pipelines converge, they have huge compressor stations where large turbine engines compress the gas into the pipeline. These compressor stations have release valves which continually expel some of these gases into the atmosphere, sometimes causing huge clouds of gases to settle over parts of the town. Mayor Calvin Tillman became so frustrated with the Texas Commission on Environmental Quality (TCEQ) that he commissioned an independent air quality test. Very high levels of known and suspected carcinogens and neurotoxins, including benzene at 55 times and carbon disulphide at 107 times the health standard, were found. Many other toxins exceeded legal limits.^{3,4}

In Dallas–Fort Worth, Texas, there are 10,000 wells. When air quality specialist and Environmental Protection Agency (EPA) Region VI administrator Dr Al Armendariz asked how many gas wells were being put in and how many were already in the ground, the TCEQ replied that it had no idea. He conducted his own study of the air quality of the city, and discovered that the emissions from the shale gas industry were larger than the emissions of all the cars, buses, trucks and traffic in the city of Dallas–Fort Worth combined.⁴

According to chemist and microbiologist Wilma Subra, the whole area along the coast from Texas and Louisiana to Mississippi and Alabama has been contaminated with decades of gas-drilling waste. The list of toxic chemicals includes benzene, toluene, xylene, ethylbenzene and formaldehyde, along with semi-volatiles that are very long lasting. To add to this, the heavy metals barium, arsenic, cadmium, chromium and lead are present. During hurricanes Rita and Katrina, the waste material that had been dumped out to sea or was in low-lying storage tanks was spread all over the land in the storm surges.⁴

Josh Fox's award-winning 2010 documentary *Gasland*⁴ reveals that Garfield County, Colorado, "was subject of the first preliminary study of the health effects of gas drilling". A team of seven medical researchers from the University of Colorado examined pollutants in the air and the water and found acute problems from toxic emissions from gas drilling. Fox interviewed many people from Garfield County with serious health problems arising from exposure to fracking chemical pollutants.

Some had swellings that caused excruciating pain all over their body, and some had lost their sense of taste and smell; others were highly fatigued and could not work or think clearly any more. There was evidence of lesions on the brain as well as brain tumours. Tests showed that some people had benzene and toluene in their blood—chemicals that are known carcinogens. Many others could not talk to Fox because they had signed non-disclosure agreements with the gas company.

In the USA, gas companies don't need to disclose the chemicals that they use in their operations because mining is exempt from the Clean Water, Clean Air and Safe Drinking Water acts.

Dr Theo Colborn, a former US EPA adviser, has identified nearly 600 different chemicals in waste materials from the gas industry. "Every environmental law we wrote to protect public health has been ignored," she said.⁴ She also commented that it's scary that the gas companies have convinced many of their workers that they are *not* using problematic chemicals. However, the chemicals used are manufactured in factories from the raw materials of petroleum or coal and are toxic indeed. They are part of the hugely profitable petrochemical industry. The heavy metals used in fracking come from other mining operations. None of these substances is biodegradable. Some of the chemicals picked up by the water underground are radioactive. In Pennsylvania, unacceptable levels of radium 226 have been found in the waste water.²

Gasland shows many examples of water contamination and even rigs exploding and severely poisoning surrounding areas. Many people are even able to light their tap water with a lit match. At Divide Creek, Colorado, in 2008, 115 million cubic feet of gas blew out of the ground along the creek, killing numerous animals and poisoning the water.⁴ In May 2011, a blowout occurred in Dalby, Queensland,

Australia: an Arrow Energy gas well was "spewing methane and water up to 90 metres high for more than a day", the fourth incident in recent years on that property.³

As for the quantity of water used in fracking, we're talking about thousands of millions of gallons. With water shortages increasingly problematic worldwide, this kind of massive use needs to be kept in check. In some parts of Australia, the water for fracking comes from a huge underground reservoir called the Great Artesian Basin.⁶ Farmers have to apply for permits to use a small quantity on their land, but mining companies are allowed to come in and take as much as they like. If full-scale production gets underway in Australia, more water problems seem certain.

What is also not considered is the extra energy consumed in supplying the water, toxic chemicals, sand, etc. needed to produce the gas. The thousands of truckloads needed means huge fuel consumption and excessive wear and tear on roads, with repairs requiring even more energy use. You can't say that this makes any "green" sense.

New Estimates for Methane Emissions

According to an April 2011 article in the *Guardian*, corporations are spending millions of dollars on "lobbying efforts to rebrand gas as 'green'". "Oil companies see gas as a means of recasting themselves as environmentally friendly,

Tests showed that some people had benzene and toluene in their blood—chemicals that are known carcinogens.

with government backing. Newly available forms of gas appear to offer a 50% reduction in carbon emissions compared with electricity generation from coal, meaning most countries could easily meet their 2020 emissions targets—agreed at the 2009 Copenhagen climate conference—at a fraction of the expense of investing in wind, solar and renewables.⁷ This statistic is based on the burning of pure methane, and does not take into account the other disastrous environmental impacts and all the greenhouse gases released during the entire production and consumption cycle. It seems the "new definition of green" is just about the ratio of carbon dioxide to energy produced when you burn a fuel.

Essentially they are saying that carbon dioxide is the only pollutant that we should concern ourselves with. This contorted perspective can possibly be blamed on the intense interest in and the politicisation of "global warming" as the biggest environmental threat to mankind. What is the point of stopping the temperature from rising if, in the meantime, we have poisoned our waterways and polluted our air with noxious chemicals that do not biodegrade and are in our environment to stay?

In 2010, the US EPA issued a report⁸ stating that natural gas extracted using fracking releases greater amounts of methane than conventional "natural gas" mining. The authors of a 2011 Cornell University study⁹ commented:

"The new EPA (2010) report notes that the 1996 'study was conducted at a time when methane emissions were not a significant concern in the discussion about GHG [greenhouse gas] emissions' and that emission factors from the 1996 report 'are outdated and potentially understated for some emission sources'. Indeed, emission factors presented in EPA (2010) are much higher, by orders of magnitude for some sources."

The Cornell study has seriously challenged the assumption that shale gas offers a 50 per cent reduction on burning coal. The authors considered the whole process from extraction to consumption of the gas, i.e., not only the direct emissions of CO₂ from the end-use consumption but "indirect emissions of CO₂ from fossil fuels used to extract, develop, and transport the gas" as well as the GHG footprint of the methane that escapes during extraction and transport of the gas. They noted: "Methane is a far more potent GHG than is CO₂, but methane also has a tenfold shorter residence time in the atmosphere, so its effect on global warming attenuates more rapidly..." They also wrote: "Recent modeling indicates methane has an even greater global warming potential than previously believed, when the indirect effects of methane on atmospheric aerosols are considered (Shindell et al. 2009¹⁰)." They calculated the global warming potential of methane compared to CO₂ at a staggering 105

and 33 on a mass-to-mass basis for 20 and 100 years respectively. The authors also stated: "Summing all estimated losses, we calculate that during the life cycle of an average shale-gas well, 3.6 to 7.9% of the total production of the well is emitted to the atmosphere as methane... This is at least 30% more and perhaps more than twice as great as the life-cycle methane emissions we estimate for conventional gas, 1.7% to 6%." They went on to say: "Considering the 20-year horizon, the GHG footprint for shale gas is at least 20% greater than and perhaps more than twice as great as that for coal when expressed per quantity of energy available during combustion... Over the 100-year frame, the GHG footprint is comparable to that for coal..."

None of these estimates includes accidents, emergency events or well and ground leakages.

In addition, the Cornell study compared oil with shale gas: "For the 20-year horizon, the GHG footprint of shale gas is at least 50% greater than for oil, and perhaps 2.5-times greater.

At the 100-year time scale, the footprint for shale gas is similar to or 35% greater than for oil."

This raises an interesting question: when are electric cars actually greener?

The authors concluded: "The large GHG footprint of shale gas undercuts the logic of its use as a bridging fuel over coming decades, if the goal is to reduce global warming." They finished their report by stating:

"Finally, we note that carbon-trading markets at present under-value the greenhouse warming consequences of methane, by focusing on a 100-year time horizon and by using out-of-date global warming potentials for methane. This should be corrected, and the full GHG footprint of unconventional gas should be used in planning for alternative energy futures that adequately consider global climate change."

"The large GHG footprint of shale gas undercuts the logic of its use as a bridging fuel over coming decades, if the goal is to reduce global warming."

Underground Coal Gasification

The method used to extract natural gas from coal seams that are economically unviable to dig out of the ground, is underground coal gasification (UCG). One method involves igniting a coal seam underground and pumping out the partially burned gases that result. When the natural permeability of the coal is low, the coal will have to be hydrofractured by a similar process as that for shale.¹¹

Where the Great Artesian Basin exists "a well has to be drilled through aquifers to coal beds deep underground. The gas is trapped within the seams and held in place by water pressure. To release the gas first the water has to be pumped to the surface. Then the gas can flow."⁶

In Australia, we have an abundance of coal seams, so these methods above are used. Where the Great Artesian Basin exists, the water table has been seriously depleted making more and more farmland unviable. The release of pressure

means a lot more methane can escape to the surface. Many of the wells shown on the *Four Corners* segment, leaked gas. In other areas where they use fracking, all the chemicals described above are used and so similar problems described above occur.¹² Recently in Kingaroy, Queensland, one mining company was banned from operating due to unacceptable risk to underground water. The Queensland government has rejected an appeal against the closure of Cougar Energy's controversial UCG plant in Kingaroy.¹³

Where the Great Artesian Basin exists it seems you would get even more escaped methane during the process of extracting the gas. Therefore it would have an even higher GHG footprint than shale gas.¹⁴

The latest statistics show that, over the 20-year time frame, conventional gas has a higher GHG footprint than does coal. It's the 100-year time frame in which the footprint for conventional gas is less than for coal, the upper limit of estimates still being the same. Remember, this doesn't take into account accidents and emergencies. So there is little justification for changing from coal to

natural gas on global-warming terms. Further, the GHG footprint for shale gas is a lot higher than for conventional gas (30 per cent to twice as much), and coal gas could be higher than this. So, shale gas and coal seam gas should never be substituted for coal if our aim is to reduce global warming.

Compounded by the other devastating environmental impacts described above, it seems ludicrous even to consider this. An alarming consequence is that if carbon trading schemes do not give a proper value to the GHG footprint for conventional gas, natural gas and coal seam gas, they will probably encourage their development and increase global warming.

So coal seam gas has an even higher carbon footprint than shale gas.

A Call for Bans on Fracking

In the USA, "BHP Billiton has been hit with a series of class actions as landowners allege that extraction techniques used in its shale gas business are causing earthquakes, poisoning water and dangerously polluting the soil and air".¹⁵ In Arkansas, the Oil and Gas Commission suspended drilling of injection wells after an increase in the incidence of earthquakes.¹⁵ On 30 June 2011, France became the first nation to ban fracking, when the Senate voted 176 to 151 against the destructive practice.¹⁶

Despite the evidence of major problems, coal seam gas extraction is escalating in Australia. In Queensland's Darling Downs, one of the nation's best agricultural regions, 95 per cent of the area is covered by permits for energy exploration, many of them within towns.¹⁷ Drilling for gas is planned in Sydney's western suburbs and also next to Warragamba Dam, Sydney's water supply.⁶ Disputes between residents and gas companies have begun all over Australia, but the gas companies are continuing to progress with their plans and in most cases are not being held to account in any way by state governments.¹⁸

It is clear that mining for gas using fracking not only increases our greenhouse gases but also causes major pollution. I believe we all need to think clearly about where our energy comes from and what it is costing us and our planet. We need to be vigilant to check whether energy is really "green" and make sure we don't invest in companies that have fantastic propaganda rather than genuine environmental awareness. ∞


About the Author:

Catherine Simons, BSc (Physics, Chemistry), is co-owner of NEXUS Magazine. Environmental issues are among her main areas of interest.

Endnotes

1. Doggart, Sebastian, "Frack and ruin: the rise of hydraulic fracturing", *The Telegraph*, 11 July 2011, <http://tinyurl.com/69mkp8x>
2. *Fracking Hell: The Untold Story*, <http://tinyurl.com/49gygmX>
3. Fischetti, Mark, "The Drillers Are Coming", *Scientific American*, July 2010, p. 62
4. Fox, Josh, *Gasland*, <http://tinyurl.com/6y5orqg>
5. McCarthy, John, "Arrow Energy caps coal seam gas well blowout near Dalby that was spewing gas and water", *The Courier-Mail*, 23 May 2011, <http://tinyurl.com/5rs8abo>
6. *Four Corners*, "The Gas Rush", ABC TV, 21 February 2011, <http://tinyurl.com/4r6whxe>
7. Harvey, Fiona, "Shale gas: is it as green as the oil companies say?", *The Guardian*, 20 April 2011, <http://tinyurl.com/3tpm9pp>
8. US EPA, "Greenhouse gas emissions reporting from the petroleum and natural gas industry. Background Technical Support Document", 2010, <http://tinyurl.com/5vu5532>
9. Howarth, R.W., R. Santoro, A. Ingraffea (Cornell University, New York), "Methane and the greenhouse-gas footprint of natural gas from shale formations" (Letter), *Climatic Change* 2011 Apr; 106:679-690, <http://tinyurl.com/69ueelw>

10. Shindell, D.T. et al., "Improved Attribution of Climate Forcing to Emissions", *Science* 2009 Oct 30; 326(5953):716-718, Abstract at <http://www.sciencemag.org/content/326/5953/716>
11. "Underground coal gasification", <http://tinyurl.com/ydqt8lz>
12. Lock the Gate Alliance Inc., "Coal Seam Methane Gas – Fact Sheet NSW", <http://lockthegate.org.au/csg-facts/nsw.cfm>
13. ABC News, "Cougar's appeal against project closure rejected", 7 July 2011, <http://tinyurl.com/63vlpfc>
14. Clarke, Renfrey, "Coal seam gas—dirtier than coal, worse than shale", *Green Left Weekly* online edition, 4 June 2011, <http://www.greenleft.org.au/node/47808>
15. Wood, Leonie and Barry Fitzgerald, "US class action accuses BHP of creating toxic soup", *Sydney Morning Herald*, Business Day, 25 May 2011, <http://tinyurl.com/3f4m8yy>
16. Patel, Tara, "France Vote Outlaws 'Fracking' Shale for Natural Gas, Oil Extraction", Bloomberg, 1 July 2011, <http://tinyurl.com/3bkfldu>
17. Toowoomba Coal Mine Action Group, <http://twmbacmag.wordpress.com>
18. Barrett, Rosanne and Jodie Minus, "Suburbs in revolt as exploration hits city limits", *The Australian*, 25 June 2011, <http://tinyurl.com/5uu3l44>



Back issues are available online either as downloads or hard copies. All articles ever published in NEXUS are available as individual downloads via the website.

Use the search field to find topics of interest or click on the products tab at www.nexusmagazine.com

ONLINE SUBSCRIPTIONS

- \$20 per year
(+\$2 GST for Australia)
- six issues/year
- content same as hard copy,
only ads may differ
- personal email notification
when issue ready to download

To subscribe, visit
www.nexusmagazine.com

SACRED MUSHROOMS AND THE QUEST FOR MEANING

An inspired New York banker dedicated much of his life to ethnomycology, discovering the shamanic practices of ingesting fungi with psychedelic and spiritual properties and experiencing his own mystical visions.

by Simon G. Powell © 2011

An edited extract from Chapter 1, "Sacred Ground", of *The Psilocybin Solution: The Role of Sacred Mushrooms in the Quest for Meaning* (Park Street Press, VT, USA, 2011)

Website:
<http://www.thepsilocybinsolution.com>

Psilocybin—A Powerful Entheogen

Psilocybin, also known as psilocybine or 4-PO-DMT, is a prodrug for the classical hallucinogen compound psilocin, or 4-HO-DMT (4-hydroxyl-dimethyltryptamine), the active metabolite of psilocybin, responsible for the psychoactive effects of the drug. Both drugs are members of the indole and tryptamine classes.

Psilocybin is produced by over 200 species of fungi, most notably those of the genus *Psilocybe*, such as *P. cubensis*, *P. semilanceata* and *P. cyanescens*, and reportedly has also been isolated from about a dozen other genera. Collectively known as psilocybin mushrooms, these are commonly called "boomers", "sacred mushrooms", "magic mushrooms" or, more simply, "shrooms". Possession, and in some cases usage, of psilocybin or psilocin has been outlawed in most countries across the globe.

Proponents of its usage consider it to be an entheogen and a tool to supplement various types of practices for transcendence, including meditation, psychonautics and psychedelic psychotherapy. The intensity and duration of entheogenic effects of psilocybin mushrooms are highly variable, depending on the species or cultivar of mushroom, the dosage, individual physiology, and set and setting. Once ingested, psilocybin is rapidly metabolised to psilocin, which then acts as a partial agonist at the 5-HT_{2A} and 5-HT_{1A} serotonin receptors in the brain. The mind-altering effects of psilocybin typically last anywhere from three to eight hours; however, to individuals under the influence of psilocybin, the effects may seem to last much longer, since the drug can distort the perception of time. Psilocybin has a low toxicity, and a lethal dose from ingestion of the drug has not been documented.

(Source: from <http://en.wikipedia.org/wiki/Psilocybin>)

Sacred Ground

On 13 May 1957, the well-read pages of *Life* magazine carried a groundbreaking article that was to alter profoundly the West's attitude toward the wilder side of the natural world. Here was the first-ever personal account written by a westerner, describing the extraordinary psychological effects induced by a mushroom deified and ritually worshipped by native Mexicans. Consumption of the sacred Mexican mushroom allowed one to contact the gods, experience profound visions and gain mystical knowledge. Or at least these were the most extravagant of the native Mexican beliefs about the mushroom that were reported by anthropologists during the first half of the 20th century.

In pre-Columbian times, the mysterious mushroom had been known by the Aztecs as "God's Flesh", testifying to its divine potency. Such veneration ensured the mushroom a cult status among native Mexicans, despite the violent cultural upheavals wrought by the Spanish Conquest in the 16th

century. Thus, although the once-mighty Aztec culture was eventually destroyed, the sacred mushroom continued to be used in and around Mexico throughout the Spanish occupation. Yet despite the legendary effects of this peculiar species of fungus, it wasn't until the middle of the 20th century that an outside investigator finally consumed the mushroom and hence verified its alleged spiritual potential.

Transmitted solely by word of mouth from the time of the Spanish Conquest, detailed knowledge of the revered mushroom had lain principally in the hands of jealously guarding shamans or native healers, who were loath to disclose their botanical secrets to outsiders. They feared, perhaps justifiably, that the sacred mushroom's supernatural power would be diminished or be used profanely should the untrustworthy white folk gain full admittance into its living mystery. Therefore, the 1957 *Life* article in which the secret of the mushroom was openly exposed dramatically symbolised the West's bypassing of this longstanding cultural security system. The sacred mushroom had been forcibly plucked from its localised shamanic niche and was now being presented to the western world in the form of mass-circulated print, with colour photographs and specimen drawings to boot.

Despite exposure to the prying eyes of the West, the status of the Mexican mushroom remained as lofty and as tantalisingly ethereal as ever—more so, even, since the western psyche was just as stunned and awed by its transcendental visionary effects as were local Mexicans. In the following decades, a psychedelic mushroom cloud of fascination would slowly expand and loom beyond Mexico, eventually extending its magical influence as far away as Europe, but, at this initial stage in its sudden growth, the strange mushroom remained a purely Mexican phenomenon.

On the front cover of that auspicious edition of *Life* magazine, the simple headline read "The Discovery of Mushrooms That Cause Strange Visions", a rather unusual claim from such a traditionally conservative magazine. The article was included as part of *Life* magazine's "Great Adventures" series, and was written by R. Gordon Wasson, vice-president of a Wall Street banking firm, who, with the aid of his wife Valentina, had spent some 30 years of part-time research creating a new scientific discipline: ethnomycology, the study of the cultural and historical use of fungi.

Ethnomycology is clearly specialised and seemingly remote from the affairs of modern culture. It was only through the dedicated efforts of the Wassons—who

learned of the sacred Mexican mushrooms, sought to find them and experienced them first-hand—that psilocybin (the as-yet-unnamed active constituent of the mushroom, pronounced "silla-sigh-bin") came to the attention of the West. Once the sacred Mexican mushrooms were discovered, ethnomycological science suddenly acquired a distinctly mystical edge, allowing it to breach the domains of religion and psychology. It also provided a new impetus to humankind's enduring quest to access transcendental knowledge, and there can be no doubt that Wasson's discovery and vivid description of the effects of psilocybin were crucial in generating the subsequent cultural wave of psychedelic experimentation that soon followed in the 1960s. Moreover, the mushroom also reveals itself as the key to unveiling the secrets of consciousness and the hidden riches of Nature. Theophany, mind and reality: these three most profound of topics are all met in some way through use of the mushroom.

Moreover, the mushroom also reveals itself as the key to unveiling the secrets of consciousness and the hidden riches of Nature.

But, before we jump into the deep end, who, pray, was this Wasson fellow, this financier-cum-adventurer? And how had he come to penetrate the Earth's secret psychedelic dimension? Who was he to bring news of sacred fungi to the attention of the western world?

In effect, Wasson's *Life* article was timed to coincide with the release of his

magnum opus two-volume book *Mushrooms, Russia and History*, co-written with his wife Valentina. This work fully reveals the extent of Wasson's longstanding interest in the cultural use of fungi and how he finally came to be at the door of perception marked "psilocybin".

With only 512 handcrafted copies luxuriously bound and printed, *Mushrooms, Russia and History* [Pantheon, New York, 1957] stands as a rare piece of art. Indeed, by the late 1970s its value had reached some US\$2,500, making it the most valuable book in existence at that time whose author was still alive. It is a highly polished book, written in a lively style that reflects the love of ethnomycology borne by the Wassons. It represents the distilled wisdom drawn from their extensive studies into the role that various species of mushroom played in different cultures, and it culminates in their discovery of the sacred mushroom ceremonies still being conducted in Mexico—a discovery important enough to warrant the further account in the more accessible pages of *Life* magazine.

A Trail Begins

The event that originally launched the Wassons on their mushroom crusade was simple, almost trivial, yet

it was enough to provoke them into a three-decade-long bout of invaluable research. The Wassons married in 1927, and one day during their honeymoon they decided to take a casual stroll in the Catskill Mountains of New York. At some stage, Valentina, who was Russian by birth, stopped to pick wild mushrooms, delighting in such a fortuitous find. Her husband, on the other hand, being true to his Anglo-Saxon heritage, was appalled at his wife's avid interest in lethal fungal abominations, especially since she planned to cook and eat them later. After all, were not all fungal growths poisonous toadstools to be avoided like the plague? With growing dismay, R. Gordon Wasson imagined himself waking up the next morning with a corpse instead of a wife.

This pronounced and deep-rooted difference in attitude between the two of them over the culinary virtues of fungi led them to suspect a cultural rift: that there were mycophobic peoples (sensible mushroom-haters like the Anglo-Saxons) and mycophilic peoples (reckless mushroom-*aficionados* like the Russians). Furthermore, the Wassons reasoned that there must be an historical reason for these diametrically opposed traditions, due not to something like food availability but rather to cultural and psychological factors. Thus began the Wassons' academic quest to explore this strange cultural anomaly. From the start, both figured that religion somehow played a causal role.

Their intuition proved correct. Research soon unearthed the Siberian cultural history of the *Amanita muscaria* mushroom, also known as fly agaric, that extraordinary, bright red and white-spotted autumnal fungus found throughout the northern hemisphere and often charmingly depicted in illustrations adorning the pages of children's books. Indeed, it has been suggested that Lewis Carroll was influenced by knowledge of the Siberian use of the fly agaric and used the information to great effect in his book *Alice's Adventures in Wonderland*, in which, you might recall, Alice nibbles on a mushroom that subsequently alters her size.

Compared with the psilocybin mushroom, the fly agaric's psychoactivity rates a poor second, though it is potentially entheogenic due to the presence of an alkaloid named muscimol. Despite muscimol's entheogenic inferiority to psilocybin, the cultural role and use of the fly agaric mushroom among Siberian shamans is beyond dispute, and the Wassons

uncovered a wealth of literature testifying to this fact. The fly agaric mushroom proved to be a link to primitive religion, just as the Wassons had originally foreseen, and it soon became clear to them that psychoactive fungi were no small feature of cultural history.

Echoes of a Shamanic Beat

Since the time of Tsar Peter the Great (1672–1725), the Kamchatka Peninsula, the most easterly part of Russian Siberia, was visited by travellers, political exiles, explorers, fur traders and anthropologists. All were to bear witness to the nomadic reindeer herders who ritually ingested fly agaric mushrooms (their only intoxicant) in order to obtain contact with the spiritual dimension. The word "shaman" itself derives from the Siberian Tungus *saman*, which means "diviner", "magician", "doctor", "creator of ecstasy", "the mediator between the human world and the supernatural world".

The Siberian user of fly agaric would sun-dry the mushrooms and later ingest them either alone or mixed with milk or water. If taken alone, the mushroom would first be moistened in the mouths of women, who would produce a kind of pellet for the shaman to swallow.

The effects of consuming this mushroom included convulsions, delirium, visual hallucinations, perceptual distortions of size, feelings of superhuman strength and a perceived contact with a numinous dimension, this last effect being the most important for the practising shaman, whose predominant function was to access the spiritual realm to

attain supramundane knowledge for the good health of his or her tribe.

The most bizarre aspect of this shamanic tradition, however, was the habit of urine drinking. Somehow, the Siberians discovered that the active ingredient of the mushroom passed through the body without being metabolised and that drinking fly-agaric-spiked urine could prolong intoxication. Possibly the Siberians learned of this odd fact by observing reindeer, which not only reputedly eat the fly agaric themselves with much gusto but also have an equal passion for human urine—so much so that Siberian reindeer herders considered it dangerous to pee out in the open!

The rather disturbing and unpalatable practice of drinking psychoactive urine attained great significance in Wasson's later work in the 1960s, as urine drinking is mentioned in the Rig-Veda, the ancient religious

All were to bear witness to the nomadic reindeer herders who ritually ingested fly agaric mushrooms (their only intoxicant) in order to obtain contact with the spiritual dimension.

scripture of India. Written in Sanskrit and derived from the oral traditions of the Indo-Europeans who migrated down into the Indus Valley some 3,500 years ago, the Rig-Veda eventually went on to influence the development of Hinduism. Of the 1,000 holy hymns in the Rig-Veda, over 100 are dedicated solely to the divine plant Soma and its spectacular psychological effects. Because urine drinking is clearly alluded to in these hymns deifying Soma, Wasson came to the conclusion that the fly agaric mushroom was the sacred Soma worshipped by the ancient Indo-Europeans.

Mushroom Lore

The shamanic use of fly agaric mushrooms by primitive Siberians seems to date far back in history, as various legends speak of its mythical origins. For instance, a Koryak legend tells of a hero named Big Raven who was able to attain immense strength by eating spirits given to him by the god Vahiyinin—the god of existence. By spitting upon the earth, Vahiyinin caused the necessary spirits to grow, these being fly agaric mushrooms with their ability to provide supernatural strength and wisdom.

The Wassons theorised that it was this archaic shamanic practice of fly agaric ingestion, so well reflected in legend and mythology, that eventually led to the mycophobic pre-Christian taboos against eating mushrooms, which were still evidently shared by most of the peoples living around the shores of the North Sea. In other words, because the fly agaric mushroom was used mainly by shamans in a ritual context, cultural injunctions and taboos would conceivably have evolved to stop others wantonly utilising its strange power. Or, it is just as likely that through migrations and invasions, misinformation spread regarding the true nature of the mushroom's effects. Through such typical cultural mechanisms as these, the psychoactive fly agaric mushroom gradually came to attain a mythical status, guaranteeing it cultural immortality as it progressed as the stuff of legend from generation to generation.

The shamanic use of fly agaric diffused out from Russia and while some peoples gradually came to eschew the mushroom, others embraced its effects. Not only did the Aryan people who migrated down into the Indus Valley 3,500 years ago bring with them their religious cult of Soma, later still, approximately 1000 BC, we find artistic representations of mushrooms on Swedish, Norwegian and Danish Bronze Age objects. On bronze artefacts like razors are mushroom motifs (generally stylised cross-sectional views of a mushroom)

that depict the fungus in a way that suggests that it was an object of worship. Because the fly agaric mushroom abounds in Scandinavia, these motifs are thought to represent a fly-agaric-worshipping cult similar to those of Siberia.

Apart from Siberian folklore, many European folktales testify to the enigma of the fly agaric mushroom, providing an echo of the distant cultural interconnections of the past. Stories arising from the region once known as Yugoslavia take the mushroom's supernatural origin back to the time of pre-Christian Nature gods. A legend relates that Votan, chief of all the gods and a potent magician and healer, was riding his magical horse through the countryside when demons suddenly appeared and started chasing him. As he fled, his horse galloped so fast that flecks of bloodied foam flew from its mouth. Wherever this bloody foam fell, fly agarics sprang up. Hungarians once called the fly agaric *boland gamba* or "mad mushroom". Austrians and Germans used to speak of the "fool's mushroom" and were wont to respond to peculiar behaviour with the phrase, "Have you eaten crazy mushrooms?"

The Wassons also analysed the vast array of words used to describe mushrooms in different cultures and the latent metaphors that these words conveyed—words like "toadstool", for instance, which links the toad to the mushroom, the toad being a creature much

maligned in myth and folklore. The Wassons also conjectured that the "fly" in fly agaric was not a reference to its supposed insecticidal effect; rather, the common insect used to be associated with demonic power (Beelzebub is "Lord of the Flies") and was thus fearfully associated with the mysterious mushroom.

In short, the Wassons uncovered a vast cultural diffusion of mushroom lore indicative of a common origin. The psychoactive fly agaric mushroom seemed most likely to be the instigator.

Intimations of a Sacred Mexican Mushroom

In 1952, an acquaintance of the Wassons, the noted poet and historical writer Robert Graves, wrote a crucial letter informing them of a supposed secret mushroom cult still in existence in Mexico. Graves included in his letter a clipping from a Canadian pharmaceutical journal that discussed finds made by Richard Evans Schultes years earlier. It transpired that Schultes, one of the world's leading ethnobotanists attached to Harvard, had identified, in 1938, a species of *Panaeolus* mushroom as being the sacred sacramental fungus allegedly employed by Mexican Indians. At that time, only this one entheogenic species had been identified by Schultes;

The shamanic use of fly agaric mushrooms by primitive Siberians seems to date far back in history, as various legends speak of its mythical origins.

and although a few European people had observed a native Mexican mushroom ceremony, no outsiders had been permitted to partake of the mushroom itself. This is significant, for without actually personally experiencing the psilocybin mushroom, one can only guess at its effects, and so the early anthropological observations passed by without much interest.

Once the Wassons learned of these intriguing facts, armed as they were with detailed knowledge of fly agaric mushroom history and lore, it was only natural for them to heed Graves's investigational indications and focus their attention upon Mexico. If mushroom ceremonies were still being practised, they would be testimony to the shamanic use of fungi not limited to the pages of history.

Through associates, the Wassons were soon in avid correspondence with one Eunice Pike, an American linguistics student and Bible translator (in other words, a missionary) who had been living among Mazatec Indians in Huautla, Mexico, for over 15 years. Having become familiar with the native customs and beliefs about certain sacred mushrooms, she was only too willing to share her knowledge with the Wassons.

Pike informed the Wassons by letter that one Indian boy had referred to the mushroom as a gift from Jesus, no less than the blood of Christ. The Indians also said that while it helped "good people", it killed "bad people" or made them crazy. Furthermore, the Indians were sure that Jesus spoke to them while in the "bemushroomed" state. Everyone whom Pike asked agreed that they were seeing into heaven itself through the mushroom.

As well as highlighting the ongoing integration of the Christian faith into native Indian culture, the Indians' claims indicated that the mushroom was highly powerful in its psychological effect, able to induce a radical alteration of consciousness still relatively new to western science.

It was also clear that the normal procedure was for a shaman to eat the mushroom on behalf of another, usually in order to heal, this being the classic social function of the shaman found in most of the world's native cultures.

Sensing in Pike's letter that there was indeed some great revelational discovery to be made, the Wassons decided to travel as soon as possible to Huautla, and in 1953 they did so. As an aside, they also realised that, to judge from Pike's description, the mushroom being used by these Indians was not the *Panaeolus* species previously identified by Schultes. This was further reason for prompt scholarly investigation.

Getting Warmer

By August 1953, the Wassons had managed to enlist the help of a Mexican *curandero*, or shaman, and this was an achievement in itself as the Indians were reluctant to discuss the mushroom with outsiders. Under the pretence of wanting supernaturally inspired news of their son, the Wassons were permitted to take part in a mushroom rite during which the shaman would ingest sacred mushrooms in order to gain the requested information. Unfortunately, the shaman was the only person allowed to consume the fungus, and the Wassons were forced to remain uninitiated.

The shaman, under the effects of psilocybin, made three specific predictions concerning the Wassons' son—predictions which, at the time, Wasson politely humoured as he had no real inkling into psilocybin's latent ability to produce feats of clairvoyance. His interest was, after all, still predominately academic, and any kind of supernatural utterances were to be taken with a large pinch of salt. As it later transpired, all three of the shaman's predictions were borne out, and Wasson was at a loss to explain this. Was it coincidence? Or was it a genuine case of the paranormal? Whatever it was, the mysterious mushrooms demanded closer scrutiny, for they seemed to promise much more of interest.

A fully detailed witness account of this mushroom ceremony was to be the culminating chapter of *Mushrooms, Russia and History*, though just as the book was going to press in June 1955 a new breakthrough was made. In fact, it was the ultimate breakthrough and became the highlight of Gordon Wasson's scholarly career. It also generated another chapter in his book and the seminal piece for *Life* magazine.



Amanita muscaria, commonly known as fly agaric.

The middle-aged New York banker-turned-ethnomycologist became the first westerner on record to consume sacred Mexican mushrooms deliberately and behold their entheogenic glory.

The Mystery Explodes into *Life*

Wasson recounted to the readers of *Life* how, deep in the south of Mexico in a small village in Oaxaca, he had once more gained the confidence of a local shaman: a woman named Maria Sabina, under whose guidance he was allowed to ingest sacred mushrooms.

Like all good empiricists, Wasson was determined to remain objectively aloof and ward off any major psychological effects so that he could study more clearly the nature of the revered shift in consciousness engendered by the mushroom. As noble as such efforts are, however, they generally prove futile in the face of potent entheogens, as one is forced to succumb wholly to the emergent global alteration in mentation.

As Wasson lay in the dark confines of the hut, the power latent within the mushroom gradually made itself known to him. Visions unfolded before his eyes—visions so intense and so profound that they breached the ineffable realms of religious mysticism. They began as vividly coloured art motifs of an angular nature, as found on textiles and carpets. Then the visions evolved into resplendent palaces and gardens laid over with precious stones. At one point, Wasson perceived a great mythological beast drawing a regal chariot. Still later, it seemed as if his spirit had broken free from the constraints of his body and lay suspended in mid-air, viewing vast mountains rising up to the heavens. Wasson confessed that the sights were so sharp and clear as to be more real than anything that he had previously seen with his eyes, somewhat akin to archetypes and the Platonic Realm of Ideas.

In *Mushrooms, Russia and History*, Wasson's description of his visionary experiences is more explicit than in the *Life* piece. What had started out as a unique work of ethnomycology, touching upon ancient Siberian shamanism, had now transformed into a personal testimony of the mystical experience. Coming from a man normally concerned with the world of finance, this is a truly remarkable turn of events, even the more so since he was not overtly religious.

Readers of the *Life* article were also informed as to what the Mexican Indians themselves had to say about the mushroom. The Indians claimed that the fungi "carry you there where God is". Always the mushroom was referred to with awe and reverence.

It was not some common drug like alcohol to be taken at the drop of a hat in order to drown one's sorrows or deaden oneself to reality. On the contrary, native shamans used the fungus for oracular reasons to cure and prophesise.

Wasson was intimately familiar with the Indians' sacred traditions, and he was at pains to portray this cultural phenomenon to his readers in the respectful light it deserved. No Indians ate the mushroom frivolously for excitement; rather, they spoke of their use as *muy delicado*, that is, "perilous".

A deeply inspired man, Wasson was not only the first westerner to document the psilocybin experience; he was also the first to attempt to account for the mysterious effects in reasonable psychological terms, and his tentative speculations remain valid even today. It is remarkable to think that had he not had such a profoundly spiritual experience, or had his mind not been able to cope with the onslaught of a visionary dialogue, then the Mexican mushroom might well have

remained a buried phenomenon to this day.

Despite the widespread interest generated by his *Life* piece, Wasson later chose, perhaps wisely, to distance himself from the 1960s psychedelic hippy culture, revolving as it was around synthetic LSD.

Instead, he concerned himself with investigating the role of the fly agaric mushroom in ancient Indo-European Soma cults. He also went on to make

invaluable contributions to our knowledge of the use of psilocybin mushrooms by the Aztec and Mayan civilisations of ancient Mesoamerica. ∞

Visions unfolded before his eyes—visions so intense and so profound that they breached the ineffable realms of religious mysticism.

About the Author:

Simon G. Powell is a London-based writer, musician, filmmaker and scriptwriter. After graduating from University College London in 1992, he suffered an extended bout of "mushroom fever" brought on by excessive psilocybin use. This led him to write a number of books, including *Darwin's Unfinished Business*, due for release in early 2012. He wrote and directed the DVD film *Metanoia: A New Vision of Nature*. He currently writes for the Earth 2 Channel. Visit his website <http://www.thepsilocybinsolution.com>.

Editor's Note:

This article is an edited extract from chapter one, "Sacred Ground", of Simon G. Powell's book *The Psilocybin Solution* (Park Street Press, Rochester, Vermont, USA, 2011, <http://www.ParkStPress.com>). For more information, go to <http://www.thepsilocybinsolution.com>.



i4cMwo Pty Ltd
AUSTRALIA



Supplements

- * Heart Pal 250 gm Jar \$30.00 (Dr Linus Pauling formula for heart health)
- * MSM 250gm Jar \$20.00 (Methyl Sulfonyl Methane-Essential for total body health)
MSM 1kg Bag \$50.00 2kg Bag \$80.00
- * CoQ-10 100mg 60 Capsules \$30.00 (Cellular energy) or 2 for \$50.00
- * Zeolexx 250gm Jar \$45.00 (Zeolite+Beta-Glucan)-(General health, Immune boost,Detox)
- * Nattokinase 90 Capsules \$35.00 (Blood vessel health)
- * Serrapeptase 90 Capsules 40,000 Units \$30.00 (Inflammation reduction)
(enteric coated capsule)
- * Melatonin 100 Tablets 5 mg \$24.00 (Sleep aid)
- * Melatonin 120 Tablets 3 mg \$20.00 (Sleep aid)
- * iP-6 90 Tablets 800mg \$30.00 (Inositol Hexaphosphate Supports Breast, Colon and Prostate)
- * 12 Organic Mushrooms 500mg 60 Capsules \$20.00 (Immune system support)
- * E-Cigarettes prices start at \$12.00 (An aid to stop smoking)

And many more available at our website.

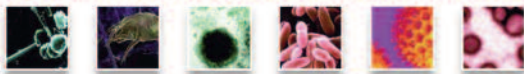
The best available at the best prices Ph: 07 5433 1900

Morayfield Queensland www.i4cmwo.com.au keith@zeolexx.com

How to boost YOUR immune system and gain back your lost health & vitality with improved clean indoor air quality

LightAir's proven and tested technology will eliminate environmental and health issues associated with bad, dirty, indoor air quality.

LightAir Ionflow 50 is proven and tested to remove:



PET DANDER DUST MITES AIRBORNE MOLD BACTERIA POLLEN ALLERGENS VIRUSES

Scientific tests show indoor air is much more polluted than outdoors. The World Allergy Organization has stated that more than 50% of the world's western population suffer from allergic diseases such as...

- Asthma • Irritation in eyes and throat • Cardio and vascular disease
- Respiratory diseases • Virus and bacteria attacks
- Fatigue, concentration difficulties, headache, irritation and depression

LightAir Ionflow 50 Air Purifier & Ioniser is an investment in your family's health and wellbeing.

Incredible advantages of the LightAir Purifier & Ioniser

- Cleans up to 55 square meters
- Advanced Swedish technology
- No filters or needles to replace
- Cheaper to run than other air purifier units
- Winner of several European (EU) design awards
- No noisy fans that will fail.



Special Spring offer to NEXUS readers
Call now for this special

NOW ONLY **\$467.** SAVE \$30 OFF RRP plus delivery



Exclusively available from **lifeforce**
nature's the true source of health & wellbeing

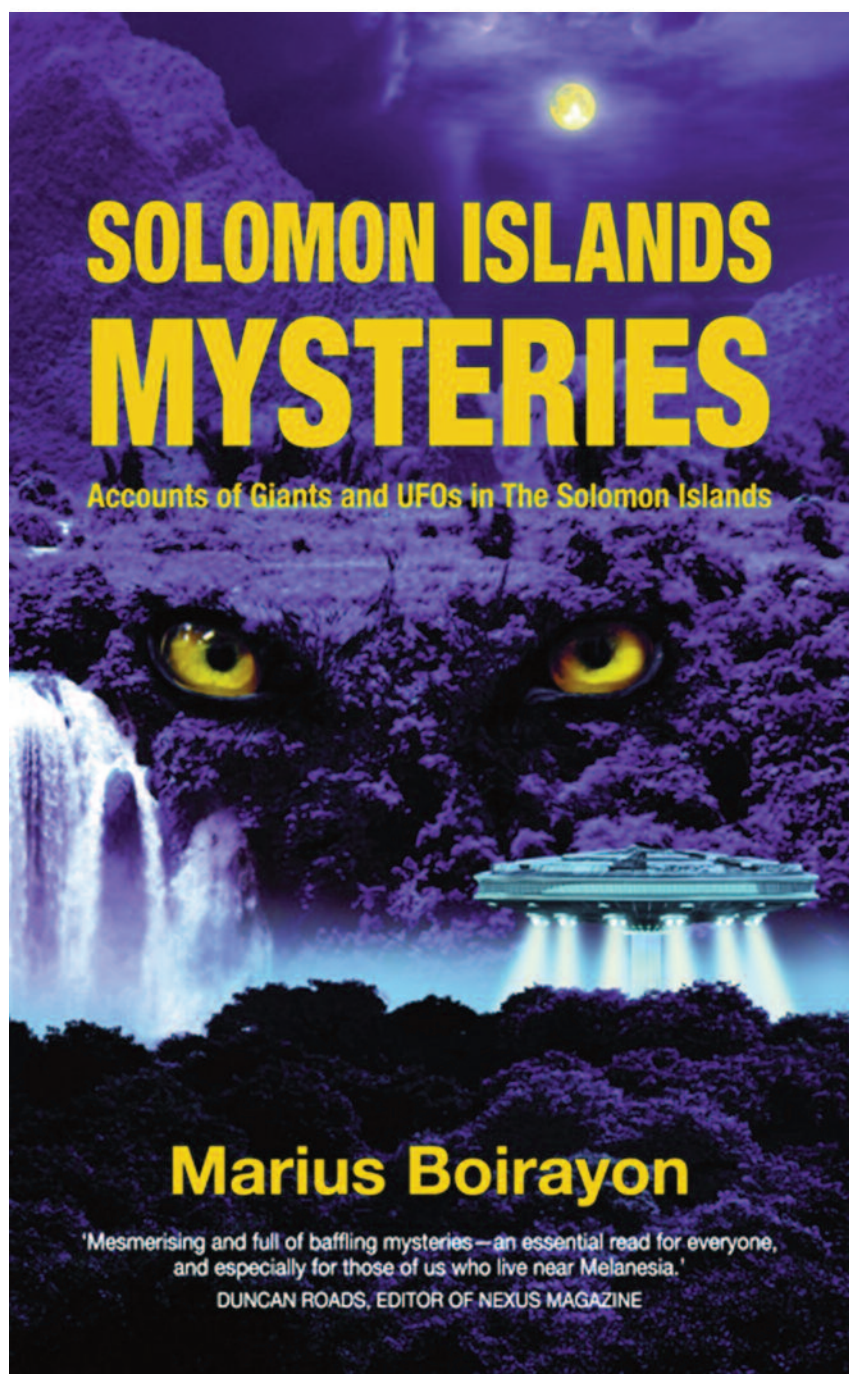
Visit our new showroom at 79 Church Street, Hawthorn Vic 3122

call: 1300 009 991

P: 03 8626 9696 E: info@natureslifeforce.com.au
www.natureslifeforce.com.au

LightAir Ionflow 50 Surface

Exclusive to NEXUS Magazine



In the remote Solomon Islands, UFOs rise from the Pacific Ocean only to disappear into lakes perched in the jungle. Mysterious tunnels and UFO bases have been discovered.

Legends abound of ruined cities and giant hominids emerging from the mountains to terrorise and kidnap locals.

Read more in this long-awaited book now available only through NEXUS Magazine.

ORDER AT

www.nexusmagazine.com

TECHNOCRACY, CARBON CURRENCY AND SMART GRIDS

An economic system based on energy production and consumption instead of price and a global electrical network using interconnected smart technologies may fulfil Technocracy's ideological plan to exert centralised control over the world's population.

by Patrick M. Wood ©
2010–2011

Editor
The August Review
PO Box 186
Brush Prairie, WA 98606, USA

Website:
<http://www.augustreview.com>

Part 1: Carbon Currency—A New Beginning for Technocracy?

Critics who think that the US dollar will be replaced by some new global currency are perhaps thinking too *small*. On the world horizon looms a new global currency that could replace *all* paper currencies and the economic system upon which they are based.

The new currency, simply called Carbon Currency, is designed to support a revolutionary new economic system based on energy (production and consumption) instead of price. Our current price-based economic system and its related currencies that have supported capitalism, socialism, fascism and communism is being herded to the slaughterhouse in order to make way for a new carbon-based world.

It is plainly evident that the world is labouring under a dying system of price-based economics as evidenced by the rapid decline of paper currencies. The era of fiat (irredeemable paper currency) was introduced in 1971 when US President Richard Nixon decoupled the US dollar from gold. Because the dollar-turned-fiat was the world's primary reserve asset, all other currencies eventually followed suit, leaving us today with a global sea of paper that is increasingly undesired, unstable, unusable. The deathly economic state of today's world is a direct reflection of the sum of its sick and dying currencies, but this could soon change.

Forces are already at work to position a new Carbon Currency as the ultimate solution to global calls for poverty reduction, population control, environmental control, global warming, energy allocation and blanket distribution of economic wealth. Unfortunately for individual people living in this new system, it will also require authoritarian and centralised control over all aspects of life, from cradle to grave.

What is Carbon Currency and how will it work? In a nutshell, Carbon Currency will be based on the regular allocation of available energy to the people of the world. If not used within a period of time, the currency will expire (like monthly minutes on your cellphone plan) so that the same people can receive a new allocation based on new energy production quotas for the next period.

Because the energy supply chain is already dominated by the global elite, setting energy production quotas will limit the amount of Carbon Currency in circulation at any one time. It will also naturally limit manufacturing, food production and people movement. Local currencies could remain in play for a time, but they would eventually wither and be fully replaced by the Carbon Currency, in much the same way that the euro displaced individual European currencies over a period of time.

Sounds very modern in concept, doesn't it? In fact, these ideas date back to the 1930s when hundreds of thousands of US citizens were embracing a new political ideology called Technocracy and the promise it held for a better life.

Background

Philosophically, technocracy found its roots in the scientific autocracy of Henri de Saint-Simon (1760–1825) and in the positivism of Auguste Comte (1798–1857), the father of social sciences. Positivism elevated science and the scientific method above metaphysical revelation. Technocrats embraced positivism because they believed that social progress was possible only through science and technology.

The social movement of Technocracy, with its energy-based accounting system, can be traced back to the 1930s when an obscure group of engineers and scientists offered it as a solution to the Great Depression.

The principal scientist behind Technocracy was M. King Hubbert, a young geoscientist who would later (in 1948–1956) invent the now-famous Peak Oil theory, also known as the Hubbert Peak theory. Hubbert stated that the discovery of new energy reserves and their production would be outstripped by usage, thereby eventually causing economic and social havoc. Many modern followers of peak oil theory believe that the 2007–2009 global recession was exacerbated in part by record oil prices that reflected the validity of the theory.

Hubbert received all of his higher education at the University of Chicago, graduating with a PhD in 1937, and later taught geophysics at Columbia University. He was highly acclaimed throughout his career, receiving many honours such as the Rockefeller Public Service Award in 1977.

In 1933, Hubbert and Howard Scott formed an organisation called Technocracy, Inc. "Technocracy" is derived from the Greek words *techne*, meaning "skill", and *kratos*, meaning "rule". Thus, it is government by skilled engineers, scientists and technicians as opposed to elected officials. It was opposed to all other forms of government, including communism, socialism and fascism, all of which function with a price-based economy.

As founders of the organisation and political movement called Technocracy, Inc., Hubbert and Scott also co-authored the *Technocracy Study Course*, published in 1934. This book serves as the "bible" of Technocracy and is the root document to which most all modern technocratic thinking can be traced.

Technocracy postulated that only scientists and engineers were capable of running a complex, technology-based society. Because technology, the founders reasoned, changed the social nature of societies, previous methods of government and economy were made obsolete. They disdained politicians and bureaucrats, whom they viewed as incompetent. By utilising the scientific method and scientific management techniques, technocrats hoped to squeeze the massive inefficiencies out of running a society,

thereby providing more benefits for all members of society while consuming fewer resources.

The other integral part of Technocracy was to implement an economic system based on energy allocation rather than price. They proposed to replace traditional money with Energy Credits. Their keen focus on the efficient use of energy is likely the first hint of a sustained ecological/environmental movement in the United States. The modern emphasis on curtailing carbon fuel consumption that causes global warming and CO₂ emissions is essentially a product of early technocratic thinking.

As scientists, Hubbert and Scott tried to explain (or justify) their arguments in terms of physics and the law of thermodynamics, which is the study of energy conversion between heat and mechanical work. Entropy is a concept within thermodynamics that represents the amount of energy in a system that is no longer available for doing mechanical work. Entropy thus increases as matter and

energy in the system degrade towards the ultimate state of inert uniformity. In layman's terms, entropy means that once you use it, you lose it for good.

Furthermore, the end state of entropy is "inert uniformity" where nothing takes place. Thus, if man uses up all the available energy and/or destroys the ecology, there can be no restoration ever again.

The technocrat's way of avoiding social entropy is to increase the efficiency of society by the careful

allocation of available energy and the measurement of subsequent output in order to find a state of "equilibrium", or balance.

To facilitate this equilibrium between man and nature, Technocracy proposed that citizens would receive Energy Certificates in order to operate the economy:

"...[Energy Certificates] are issued individually to every adult of the entire population..."

"The record of one's income and its rate of expenditure is kept by the Distribution Sequence, so that it is a simple matter at any time for the Distribution Sequence to ascertain the state of a given customer's balance..."

"When making purchases of either goods or services an individual surrenders the Energy Certificates properly identified and signed..."

"The significance of this, from the point of view of knowledge of what is going on in the social system, and of social control, can best be appreciated when one surveys the whole system in perspective. First, one single organization is manning and operating the whole social mechanism. The same organization not only produces but distributes all goods and services..."

Two key differences between price-based money and Energy Certificates are that:

The other integral part of Technocracy was to implement an economic system based on energy allocation rather than price.

a) money is generic to the holder while Certificates are individually registered to each citizen, and

b) money persists while Certificates expire.

The latter facet would greatly hinder, if not altogether prevent, the accumulation of wealth and property.

Transition

At the start of World War II, Technocracy's popularity dwindled as economic prosperity returned; however, both the organisation and its philosophy survived.

Today, there are two principal websites representing Technocracy in North America. Technocracy, Inc., located in Ferndale, Washington, is represented at www.technocracy.org. A sister organisation in Vancouver, British Columbia, is Technocracy Vancouver; it can be found at www.technocracyvan.ca.

While Technocracy's original focus was exclusively on the North American continent, the movement is now growing rapidly in Europe and other industrialised nations. For instance, the Network of European Technocrats (NET) was formed in 2005 as "an autonomous research and social movement that aims to explore and develop both the theory and design of technocracy". The NET website claims to have members around the world.

Of course, a few minor-league organisations and their websites cannot hope to create or implement a global energy policy, but it's not because the ideas aren't still alive and well.

A more likely influence on modern thinking is due to Hubbert's Peak Oil theory introduced in 1954. It has figured prominently in the ecological and environmental movement. In fact, the entire global warming movement indirectly sits on top of the Hubbert Peak theory.

The Modern Proposal

Because of the connection between the environmental movement, global warming and the technocratic concept of Energy Certificates, one would expect that a Carbon Currency would be suggested from that particular community, and in fact this is the case.

In 1995, Judith Hanna wrote in her article "Towards a Single Carbon Currency" in *New Scientist*: "My proposal is to set a global quota for fossil fuel combustion every year, and to share it equally between all the adults in the world."

In 2006, the prestigious *Harvard International Review* published "A New Currency", which stated:

"For those keen to slow global warming, the most effective actions are in the creation of *strong national carbon*

currencies... For scholars and policymakers, the key task is to mine history for guides that are more useful. Global warming is considered an environmental issue, but its best solutions are not to be found in the canon of environmental law. Carbon's ubiquity in the world economy demands that cost be a consideration in any regime to limit emissions. Indeed, emissions trading has been anointed king because it is the most responsive to cost. And since *trading emissions for carbon is more akin to trading currency* than eliminating a pollutant, policymakers should be looking at trade and finance with an eye to how carbon markets should be governed. We must anticipate the policy challenges that will arise *as this bottom-up system emerges*,

including the governance of seams between each of the nascent trading systems, liability rules for bogus permits, and judicial cooperation." (Emphasis added.)

The authors concluded that "after seven years of spinning wheels and wrong analogies, the *international regime to control carbon* is headed, albeit tentatively, down a productive path". (Emphasis added.)

In 2006, the then UK Environment Secretary David Miliband spoke to the Audit Commission Annual Lecture and Debate and flatly stated: "Imagine a country *where carbon becomes a new currency*. We carry bank cards that store both pounds and carbon points. When we buy electricity, gas and fuel, we use our carbon points, as well as pounds. To help reduce carbon emissions, the Government would set limits on the amount of carbon that could be used." (Emphasis added.)

In 2007, the *New York Times* published "When Carbon Is

Currency" by Hannah Fairfield. She pointedly stated: "To build a carbon market, its originators must create a *currency of carbon credits* that participants can trade." (Emphasis added.)

Point Carbon, a leading global consultancy, is partnered with Bank of New York Mellon to assess rapidly growing carbon markets. In 2008, it published "Towards a Common Carbon Currency: Exploring the prospects for integrated global carbon markets". This report discusses both environmental and economic efficiency in a similar context as originally seen with Hubbert in 1933.

Finally, on 9 November 2009, the UK *Telegraph* presented an article "Everyone in Britain could be given a personal 'carbon allowance':

"...implementing individual *carbon allowances for every person* will be the most effective way of meeting the targets for cutting greenhouse gas emissions. It would involve people

It has figured prominently in the ecological/environmental movement. In fact, the entire global warming movement indirectly sits on top of the Hubbert Peak theory.

being issued with a *unique number* which they would hand over when purchasing products that contribute to their carbon footprint, such as fuel, airline tickets and electricity. Like with a bank account, a statement would be sent out each month to help people keep track of what they are using. If their 'carbon account' hits zero, they would have to pay to get more credits." (Emphasis added.)

As you can see, these references are hardly minor league in terms of either authorship or content. The undercurrent of early technocratic thought has finally reached the shore where the waves are lapping at the beach.

Energy Card Prototype

In July 1937, an article by Howard Scott in *Technocracy Magazine* described an Energy Distribution Card in great detail. It declared that using such an instrument as "a means of accounting is a part of Technocracy's proposed change in the course of how our socioeconomic system can be organized".

Scott further wrote:

"The certificate will be issued directly to the individual. It is nontransferable and nonnegotiable; therefore, it cannot be stolen, lost, loaned, borrowed, or given away. It is noncumulative; therefore, it cannot be saved, and it does not accrue or bear interest. It need not be spent but loses its validity after a designated time period."

This may have seemed like science fiction in 1937, but today it is wholly achievable. Technocracy, Inc. has offered an updated idea of what such an Energy Distribution Card might look like. Its website states: "It is now possible to use a plastic card similar to today's credit card embedded with a microchip. This chip could contain all the information needed to create an energy distribution card as described in this booklet.

Since the same information would be provided in whatever form best suits the latest technology, however, the concept of an 'Energy Distribution Card' is what is explained here."

If you study the prototype card, you will also note that it serves as a *universal identity card* and contains a microchip. This reflects Technocracy's philosophy that each person in society must be meticulously monitored and accounted for in order to track what they consume in terms of energy and also what they contribute to the manufacturing process.

Carbon Market Players

The modern system of carbon credits is an invention of the Kyoto Protocol and started to gain momentum in 2002 with the establishment of the first domestic economy-wide trading scheme in the UK. Written into international law in 2005, the trading market is now predicted to reach US\$3 trillion by 2020 or earlier.

Global Electric Energy Grid "The World Game's highest priority objective."

Dr. R. Buckminster Fuller

Linking the renewable energy resources around the world reduces global pollution, population growth, world hunger, and increases living standards, international trade, cooperation and world peace.

"While directing the Foreign Affairs of Egypt between 1977-1991, I have advocated the integration of the electricity grids of all African countries of the Nile River."

Boutros Boutros-Ghali, Former Secretary General, UN

"We are absolutely in agreement with this initiative and we want to let you know that we will be supporting all works that you develop in this relation."

Vicente Fox, President, Mexico

Dymaxion Map (C) Buckminster Fuller Institute

Eash dot represents 1% of humanity (60+ million people) and the color represents the following energy statistics:

- Less than 1000 kWh/capita -- Regions in Emergency
- 1000 - 2000 kWh/capita -- Regions in Transition
- Over 2000 kWh/capita -- Developed Regions

"We need more comprehensive thinking and long-range global planning. I invite you to investigate the GENI Initiative as I have. It offers hope for all humanity."

Walter Cronkite, News Anchorman

GENI Global Energy Network Institute - World Trade Center - 1250 6th Avenue, Suite 901 - San Diego, CA 92101
www.geni.org - info@geni.org - 619-595-0139 - Fax: 619-595-0403 a 501 (c)(3) not-for-profit educational organization

Graciela Chichilnisky, director of the Columbia Consortium for Risk Management and a designer of the carbon credit text of the Kyoto Protocol, stated in her article "Who Needs a Carbon Market?":

"The carbon market is therefore all about cash and trading—but it is also a way to a profitable and greener future."

Who are the "traders" that provide the open door to all this profit? Currently leading the pack are J. P. Morgan Chase, Goldman Sachs and Morgan Stanley. A Bloomberg article, "Carbon Capitalists Warming to Climate Market Using Derivatives" (4 December 2009), noted: "The banks are preparing to do with carbon what they've done before: design and market derivatives contracts that will help client companies hedge their price risk over the long term. They're also ready to sell carbon-related financial products to outside investors."

At J.P. Morgan, the woman who originally invented credit default swaps, Blythe Masters, is now head of the department that trades carbon credits for the bank.

Considering the sheer force of the global banking giants behind carbon trading, it's no wonder that analysts are already predicting that the carbon market will soon dwarf all other commodities trading.

Of course, a currency is merely a means to an end. Whoever controls the currency also controls the economy and the political structure that goes with it. Technocracy and energy-based accounting are not idle or theoretical issues. If the global elite intends for Carbon Currency to supplant national currencies, then the world economic and political systems will also be fundamentally changed forever.

Part 2: Smart Grid—The Implementation of Technocracy?

The *Technocracy Study Course* established a detailed framework for Technocracy in terms of energy production, distribution and usage. According to Scott and Hubbert, the distribution of energy resources must be monitored and measured in order for the system to work—and this is the key: *monitoring* and *measuring*.

They wrote that the system must do the following things:

- "1. Register on a continuous 24 hour-per-day basis the total net conversion of energy..."
- "2. By means of the registration of energy converted and consumed, make possible a balanced load."
- "3. Provide a continuous inventory of all production and consumption."
- "4. Provide a specific registration of the type, kind, etc., of all goods and services, where produced, and where used."
- "5. Provide a specific registration of the consumption of each individual, plus a record and description of the individual..."

In the 1930s, such technology did not exist. Time was on the technocrat's side, however, because this technology *does* exist today and it is being rapidly implemented to do exactly what Scott and Hubbert specified: namely, to exhaustively monitor, measure and control every kilowatt of energy delivered to consumers and businesses on a system-wide basis. It's called Smart Grid.

What is Smart Grid?

Smart Grid is a broad technical term that encompasses the generation, distribution and consumption of electrical power, with an inclusion for gas and water as well. America's ageing power grid is increasingly fragile and inefficient. Smart Grid is an initiative that seeks to completely redesign the power grid using advanced digital technology, including the installation of new digital meters in every home and business in the United States.

These digital meters provide around-the-clock monitoring of a consumer's energy consumption using continuous two-way communication between the utility and the consumer's property. Furthermore, the meters will be able to communicate with electrical devices within the residence to gather consumption data and to control certain devices directly without consumer intervention.

According to a US Department

of Energy publication:

"The Department of Energy has been charged with orchestrating the wholesale modernization of our nation's electrical grid... Heading this effort is the Office of Electricity Delivery and Energy Reliability. In concert with its cutting edge research and energy policy programs, the office's newly formed, multi-agency Smart Grid Task Force is responsible for coordinating standards development, guiding research and development projects, and reconciling the agendas of a wide range of stakeholders."

This is a relatively new initiative, but it is racing forward at breakneck speed. The Office of Electricity Delivery was created in 2003 under President George W. Bush, and was elevated in stature in 2007 by the creation of the position of Assistant Secretary of Electricity Delivery and Energy Reliability to head it. It is not clearly stated who "charged" the Department of Energy to this task, but since the Secretary of Energy answers directly to the President, it is assumed that it was a directive from the President. There certainly was no congressional directive or mandate.

Implementation

On 27 October 2009, the Obama administration unveiled its Smart Grid plan by awarding \$3.4 billion to 100 Smart Grid projects. According to the Department of Energy's press release, these awards will result in the installation of:

If the global elite intends for Carbon Currency to supplant national currencies, then the world economic and political systems will also be fundamentally changed forever.

- more than 850 sensors, called "phasor measurement units", to monitor the overall power grid nationwide;
- 200,000 smart transformers;
- 700 automated substations (about five per cent of the nation's total);
- 1,000,000 in-home displays;
- 345,000 load-control devices in homes.

One such project in the Northwest is headed by the Battelle Memorial Institute, covering five states and targeting 60,000 customers. The project was actually developed by the Bonneville Power Administration (BPA), a federal agency underneath the Department of Energy. Since it is pointedly illegal for a federal agency to apply for federal funds, BPA passed the project off to Battelle, a non-profit and non-governmental organisation, which was promptly awarded \$178 million.

It is interesting to note that BPA takes credit for originating the Smart Grid concept in the early 1990s; termed Energy Web, it is comprehensive in scope from production to consumption.

According to Battelle's 27 August 2009 press release:

"The project will involve more than 60,000 metered customers in Idaho, Montana, Oregon, Washington and Wyoming. Using smart grid technologies, the project will engage system assets exceeding 112 megawatts, the equivalent of power to serve 86,000 households...

"The proposed demonstration will study smart grid benefits at unprecedented geographic breadth across five states, spanning the electrical system from generation to end-use, and containing many key functions of the future smart grid," said Mike Davis, a Battelle vice president. "The intended impact of this project will span well beyond traditional utility service territory boundaries, helping to enable a future grid that meets pressing local, regional and national needs."

Battelle and BPA intend to work closely together, and there is an obvious blurring as to who is really in control of the project's management during the test period.

In a "For Internal Use Only" document written in August 2009, BPA offered talking points to its partners:

"Smart Grid technology includes everything from *interactive appliances* in homes to *smart meters*, substation automation and sensors on transmission lines." (Emphasis added.)

A Network of Things

As the World Wide Web (WWW) is to people, so the Network of Things (NOT) is to appliances. This brand-new technology creates a wireless network between a broad range of inanimate objects from shoes to refrigerators. This concept is "shovel ready" for Smart Grid implementation

because appliances, meters and substations are all inanimate items that technocrats would have communicating with each other.

For instance, in 2008, the Pacific Northwest National Laboratory (PNNL) developed a small circuit board called a Grid Friendly Appliance™ (GFA) Controller. According to a Department of Energy brochure:

"The GFA Controller developed by Pacific Northwest National Laboratory is a small circuit board built into household appliances that reduces stress on the power grid by continually monitoring fluctuations in available power. During times of high demand, appliances equipped with the controller automatically shut down for a short period of time, resulting in a cumulative reduction that can maintain stability on the grid."

According to PNNL's website: "The controller is essentially a simple computer chip that can be installed in

regular household appliances like dishwashers, clothes washers, dryers, refrigerators, air conditioners, and water heaters. The chip senses when there is a disruption in the grid and turns the appliances off for a few seconds or minutes to allow the grid to stabilize. The controllers also can be programmed to delay the restart of the appliances. The delay allows the appliances to be turned on one at a time rather than all at once to ease power restoration following an outage."

You can see how automatic actions are intended to be triggered by direct interaction between objects, without human intervention.

You can see how automatic actions are intended to be triggered by direct interaction between objects, without human intervention. The rules will be written by programmers under the direction of technocrats who understand the system, and then downloaded to the controllers as necessary. Thus, changes to the rules can be made on the fly, at any time and without the homeowner's knowledge.

PNNL is not a private enterprise, however. It is "owned" by the US Department of Energy and operated by Battelle Memorial Institute!

All of this technology will be enabled with Wi-Fi circuitry that is identical to the Wi-Fi-enabled network modems and routers commonly used in homes and businesses throughout the world. "Wi-Fi" is a trademark of the Wi-Fi Alliance and refers to wireless network systems used in devices from personal computers to mobile phones, connecting them together and/or to the Internet.

According to the Wi-Fi Alliance, "[t]he need for Smart Grid solutions is being driven by the emergence of distributed power generation and management/monitoring of consumption". In its white paper, "Wi-Fi® for the Smart Grid", it lists the specific requirements for interoperability posted by the Department of Energy:

- Provide two-way communication among grid users,

e.g. regional market operators, utilities, service providers and consumers

- Allow power system operators to monitor their own systems as well as neighbouring systems that affect them so as to facilitate more reliable energy distribution and delivery

- Coordinate the integration into the power system of emerging technologies such as renewable resources, demand response resources, electricity storage facilities and electric transportation systems

- Ensure the cyber security of the grid".

Thus, the bi-directional and real-time Smart Grid communications network will depend on Wi-Fi from end to end. This is easily understood from the two figures included in the Wi-Fi Alliance white paper.

While the consumer is pacified with the promise of lower utility costs, it is the utility company that will enforce the policies set by the regional, national and global regulators. Thus, if a neighbouring system has a shortage of electricity, your thermostat might automatically be turned down to compensate; if you have exceeded your monthly daytime quota of electricity, energy-consuming tasks like washing and drying clothes could be limited to overnight hours.

Smart Grid and the utility's control extends beyond electricity. There is a Wi-Fi linkage to gas and water meters as well.

Going Global

A *BusinessWeek* article, "How Italy Beat the World to a Smarter Grid", published on 16 November 2009, stated: "After several false starts, 2010 finally could be the year when smart meters go global." Indeed, it was:

- Italy has already implemented Smart Grid technology in 85 per cent of its homes nationwide;
- Earth2tech.com reports that Smart Grid will generate \$200 billion of global investment in the next few years;
- The International Electrotechnical Commission has laid out a global roadmap to ensure interoperability of Smart Grid systems between nations;
- Global companies are rushing to gain their share of the global Smart Grid market: IBM, Siemens, GE, Cisco, Panasonic, Kyocera, Toshiba, Mitsubishi, etc.;
- China is spending \$7.32 billion to build-out Smart Grid in Asia.

Other countries with Smart Grid pilot projects already launched include Germany, France, England, Russia, Japan, India, Australia, South Africa and a host of others. Regional

organisations such as Smart Grids Africa have been set up to promote Smart Grid in smaller countries.

In every case, Smart Grid is being accelerated by government stimulus spending. The global vendors are merely lining up their money buckets to be filled up with taxpayer funds. As is the case in the US, there was little, if any, pre-existing or latent demand for Smart Grid technology. Demand has been artificially created by the respective governments of each country.

Part 3: Technocracy Endgame—Global Smart Grid

Today in 2011, the development and implementation of Smart Grid technology in the US—reinventing the electrical grid with Wi-Fi-enabled digital power meters—is proceeding at breakneck speed.

Global companies like IBM, GE and Siemens are putting their full effort behind the "build-out" that will consolidate all of America into a single, integrated, communication-enabled electricity delivery and monitoring system, with planners working on standards that will integrate all of North America including Mexico and Canada into a single, unified, Smart Grid system.

Moreover, there is a serious initiative underway to create a *Global Smart Grid* that will integrate all the continents on the globe!

The Global Energy Network Institute (GENI) presents its Dymaxion™ Map of the world, from the perspective of the North Pole, which reveals the global grid currently under construction (see diagram on page 28).

The only part of planet Earth left untouched is Antarctica.

The yellow lines represent high-voltage electrical transmission

links that are capable of transferring large amounts of energy from continent to continent.

The GENI project is gathering momentum and is endorsed by the Dalai Lama, Archbishop Desmond Tutu, US Senator James Jeffords, Dr Noel Brown ([the now former] North American director of the UN Environment Programme), the United Nations and the governments of Canada, New Zealand, Switzerland and China, among others.

The nature of the global grid is revealed on the TerraWatts.com website:

"There is a *new world wide web* emerging right before our eyes. It is a global energy network and, like the Internet, it will change our culture, society and how we do business. More importantly, it will alter how we use, transform and exchange energy...

“There is a new world wide web emerging right before our eyes. It is a global energy network and, like the Internet, it will change our culture, society and how we do business.”

"There is no energy *supply* problem, there is an energy *distribution* problem, and the emerging solution is a *new world wide web* of electricity."

Genesis of the Global Smart Grid

The GENI website credits the late R. Buckminster Fuller (1895–1983) as the conceptual father and designer of the global energy network. In his 1981 book *Critical Path*, Fuller wrote:

"...This world electric grid, with its omni-integrated advantage, will deliver its electric energy anywhere, to anyone, at any one time, at one common rate. This will make a world-around uniform costing and pricing system for all goods and services based realistically on the time-energy metabolic accounting system of [the] Universe.

"In this cosmically uniform, common energy-value system for all humanity, costing will be expressed in kilowatt-hours, watt-hours and watt-seconds of work. Kilowatt-hours will become the prime criteria [*sic*] of costing the production of the complex of metabolic involvements per each function or item.

"These uniform energy valuations will replace all the world's wildly intervening, opinion-gambled-upon, top-power-system-manipulatable monetary systems. The time-energy world accounting system will do away with all the inequities now occurring in regard to the arbitrarily maneuverable international shipping of goods and top economic power structure's banker-invented, international balance-of-trade accountings.

"It will eliminate all the tricky banking and securities-markets exploitations of all the around-the-world-time-zone activities differences in operation today, all unbeknownst to the at-all-times two billion humans who are sleeping."

If this sounds familiar, it should. It is an unvarnished rehash of 1930s-style Technocracy, except on a global, versus continental, scale.

Electricity is delivered equally to all, and the price-based economic system is replaced by a "time-energy world accounting system" based on kilowatt-hours, watt-hours and watt-seconds.

There is no evidence that such a system will ever work, but that hasn't stopped global groups from rushing headlong into this global initiative. Take, for instance, the World Economic Forum...

World Economic Forum and Climate Change

If sceptics were to question the seriousness of organisations like TerraWatts and GENI, they should consider that the elitist World Economic Forum (WEF) has

thrown its collective weight behind the initiative. It has managed to link the advancement of Smart Grid to the reduction of carbon emissions, thus promising a tangible way to fight global warming.

Founded in 1971, the WEF meets annually in Davos, Switzerland. Attendees are mostly the "who's who" of the global elite.

The WEF presented a major progress report in January 2011 on the Energy Industry Partnership Programme and referred to a recent energy publication:

"'Accelerating Successful Smart Grid Pilots', a World Economic Forum report developed with Accenture and industry experts, sets out the centrality of smart grids as *key enablers for a low-carbon economy* and in response to increasingly growing energy demands. Over 60 industry, policy and regulatory stakeholders were engaged in the 'Accelerating Successful Smart Grid Pilots' report, to identify the factors that determine the success, or otherwise, of smart grid pilots... There is an opportunity to

launch the next wave of development towards a *lower carbon energy system*, and successful smart grid pilots will be a key step in this process." (Emphasis added.)

Mark Spelman, Global Head of Strategy at Accenture, participated in the WEF's 2010 Smart Grid Workshop. When asked the question, "What value can Smart Grid add in the next 30 years?", Spelman replied: "Smart grids are absolutely fundamental if we are going to achieve some of

our climate change objectives. If you like, smart grids are the glue, they're the energy Internet of the future, and they are the essential component which is going to bring demand and supply together."

The IEEE Standards Association

The global energy network, or Smart Grid, will operate according to universally accepted engineering standards that make data and energy flows compatible with each other. Who will supply such standards? The venerable Institute of Electrical and Electronics Engineers (IEEE).

The IEEE claims that it is "the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity".

Founded in 1884, it has been involved with electricity standards and development since Thomas Edison invented the light bulb. Today, however, the IEEE is massively global, with 395,000 members in 160 countries, and it supports approximately 900 active standards in various fields of engineering and electronics.

Electricity is delivered equally to all, and the price-based economic system is replaced by a "time-energy world accounting system" based on kilowatt-hours, watt-hours and watt-seconds.

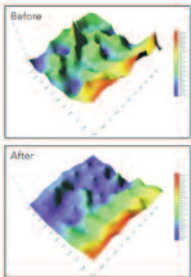
Continued on page 81



Protect yourself from electromagnetic field distortion while using your MOBILE PHONE.



ELECTROMAGNETIC FIELDS (EMFS) are being distorted by technological influences. A ZONE030 Smart Card equalises these distortions.



ZONE030 Smart Cards can be used for:

- Mobile phones
- Laptops
- iPods
- Nintendo DS
- Computer monitors



Ask for your **FREE INFORMATION PACK** and find out more about the radiation in your environment and other products that suit your specific needs.

ZONE030 Smart Cards are highly effective, affordable and recommended for all devices used within the 1m³ radius.
RRP \$35

Nexus Special!
\$30 for first 1000 orders including free postage and handling.

For phone orders call **(07) 5504 5802.**

Or visit our website **www.phoneradiation.com.au**

We make no claim to diagnose or treat any medical condition, but we can reduce the radiation in your home, which could cause illness. We are proud to be able to offer an engineering solution to an engineering problem.

maybray.com



Lose 6 - 8 kgs in 6wks

fatlossAustralia.com.au

Weight Loss Programs

MEET DR. SELLMAN AT THE NEXUS CONFERENCE JULY 24 2011

As read about in Dr. Sellman's Nexus article, "An Effective Solution To The Obesity Epidemic". Dr. Sellman's fatloss programs are now available in Australia exclusively through <https://fatlossaustralia.com.au>

To find out more information visit: <https://fatlossaustralia.com.au>

13-Moon Diary of Natural Time 2011-2012

by Nicole E. Zonderhuis & Sylvia Carrilho

The 260-day Tzolkin calendar was a gift of the prophetic Maya to the people of today. It is a tool to synchronize to the changing energies and transformation of 2012. In the Tzolkin calendar each of the 260 days has a specific energy attached to it. Each day has its own 'face', its identity or character, which influences its events, a person's luck at the moment, or even his fate.

Translated by José Argüelles the diary is an easy-to-use day planner in which you instantly glance what day it is according to the Gregorian calendar, as well as the 13 Moon Calendar. You can learn about the day-energies and plan your activities accordingly. All 13 Moon tables are included. Naturally, it has all the features of a contemporary diary, including a moon planner, when-is-when calendar and menstrual cycle calendar. This diary is produced with loving care, in full color, featuring beautiful illustrations and allowing space for note taking.

- 176 pages • Full colour • page size 13 x 20 cm
- bound with bookmarker and elastic • Pocket in backcover

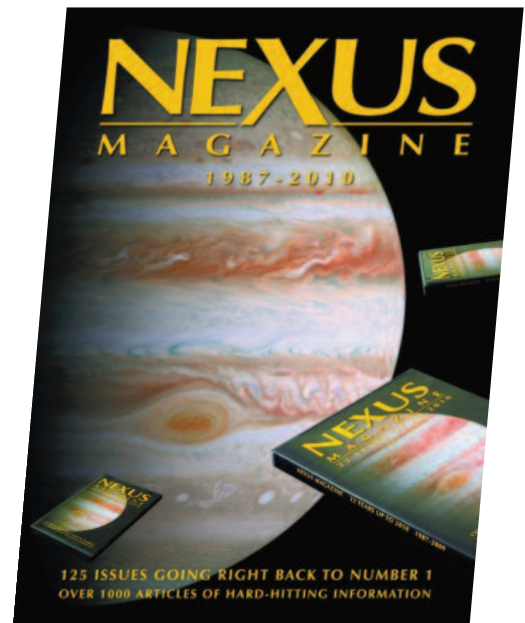


TO ORDER VISIT www.nexusmagazine.com

NEXUS DVD UPGRADE

*The complete back catalogue of NEXUS
Magazines on DVD*

- ◆ This DVD contains all magazines from 1987-2010 in PDF format.
- ◆ Files are text-searchable, meaning you can simply pop the DVD into a computer and use your search function to find keywords or strings of text.



To order, go to www.nexusmagazine.com

INSTANT CURE OF THE COMMON COLD

**Too much lactose
in the diet promotes
mucic acid formation,
leading to mucus
congestion which can
cause a range of
health problems
starting with the
common cold.
A simple technique
using an inexpensive
item from your
kitchen cupboard
can help clear this
congestion.**

by Walter Last © 2011

Website:
www.health-science-spirit.com

The Lactose Link

There is an intimate connection between lactose, as in milk products, and the common cold. Earlier biochemists must have known something that modern biochemists have forgotten and the medical profession has never known when they named oxidised galactose "mucic acid". I found this out 30 years ago while researching health problems related to lactose.

Lactose, or milk-sugar, consists of one molecule each of glucose and galactose linked together. Glucose, of course, is our main muscle fuel. Babies need galactose as an important building block of the brain, the central nervous system and several proteins. In later life, very little galactose is needed and this can be easily synthesised from other sugars. Therefore, most of the ingested galactose is converted to glucose in the liver and used as body fuel. However, the amount that can be converted is rather limited, even in a healthy liver.

This conversion is a slow and complex process requiring four different enzymes. One of these enzymes is sometimes missing at birth, giving rise to a condition known as galactosaemia. In this case, continued milk-feeding leads to a build-up of galactose in the baby and causes cataracts, cirrhosis of the liver and spleen, and mental retardation.

If the liver is not healthy or fully functional, it is even less able to convert galactose. This fact has sometimes been used as a clinical liver-function test. If galactose is injected into someone with a defective liver, most of the galactose will be unused and will show up later in the urine.

Unfortunately, under normal conditions, only part of the galactose is expelled with the urine. If there is a deficiency of protective antioxidants, then the rest is mainly oxidised to galactaric acid, commonly known as mucic acid. Mucic acid is dangerous to health because it is insoluble. The body cannot let it build up in vital areas and block organ functions or blood circulation. Therefore, it forms the mucic acid into a sticky suspension in water, called mucus.

Thus mucic acid is a main component of *pathogenic* (disease-producing) mucus. This is very different from *endogenous* mucus, which the body secretes to protect the surface of its mucous membranes or produces in response to the irritation caused by microbes and inflammations. Mucus can also be produced due to high fat levels in the lymph fluid and may be noticed as a "lump" in the throat. But none of these has the acid-irritating properties of mucic acid.

The really important difference between mucic acid and endogenous mucus is that endogenous mucus is produced on the *outside* of the mucous membranes to protect them from damaging environmental influences, while mucic acid is dissolved in the lymphatic fluid; it accumulates on the *inside* of the mucous membranes and wants to get out.

It is the chief function of the lymphatic system to remove a dangerous substance such as mucic acid from areas of vital importance and transport it to the organs of elimination. Mucic acid is too dangerous to dispose of through the kidneys or with bile through the liver, as it would block their outlets, but it has a special affinity for the mucous membranes that line the insides of our body openings. Of prime importance are the lungs, the respiratory tract and the hollow head spaces—the sinuses and the Eustachian tubes (the passage between the mouth and the inner ear).

Mucic acid may also accumulate in these hollow spaces and block their outlets until external factors help to sensitise the mucous membranes sufficiently to allow the mucus to pass through. This is relatively easy in young individuals and when the lymph fluid is too acid, as this promotes high levels of histamine and inflammatory adrenal hormones. Even minor irritations of the mucous membranes, be they from cold air, dust, air pollution, pollen or germs, will sensitise these to let some of the mucic acid flow out.

For some people, such mucus cleansing may be experienced periodically as a cold, hay fever, wet cough or running nose. For others, the accumulation of mucus—which provides a favourable breeding ground for germs—causes chronic infections in specific areas such as the sinuses, the middle ears, the respiratory tract and the lungs. This may result in a permanent trickle of mucus through the affected mucous membranes.

With a high lactose intake, the lymph channels and lymph glands are usually congested with mucic acid as well. This congestion allows influenza and other infections to spread from the sensitised mucous membranes through the mucus-filled hollow head-spaces into the lymphatic system, causing lymph gland swellings and inflammations. I have found in many people that the number of colds and influenza and other respiratory infections varied from several per year to none, just by reducing the lactose intake.

Mucic acid congestion is also the dominant cause of ear infections or glue ear and hearing problems, mainly in children and especially in Aboriginal children who seem to be inherently very low in the liver enzymes required to convert galactose to glucose. A friend recently described to me her visit to an Aboriginal school in Central Australia: "Pretty much all the children had glue ear and thick, green, running noses; as they didn't own hankies, it was very obvious. In every classroom the teacher was provided with a special microphone, as at least 80 per cent of the children were believed to have hearing loss. It was very sad to see—

and preventable if they were allowed to return to the bush and their bush food! Many processed foods these days have hidden skim milk added, even to things that don't need it; you have to read the fine print."

In most cases, it is not a lactose allergy but a *galactose overload* that is responsible for this excessive mucus. While in the case of those suffering from cow's milk allergy somewhat more lactose may be tolerated when it comes from goat's milk, in most individuals the lactose in goat's milk or in tablets is equally as mucus-forming as that from cow's milk.

Treatment of the Common Cold

It is generally said that without treatment the common cold lasts on average seven days, and with treatment it lasts about one week. This light-hearted quip hides the enormous health damage caused by the common cold or, more specifically, by its treatment. It is estimated that the common cold accounts for about 40 per cent of

time taken off work and millions of school days missed by children each year. But this is only the tip of the iceberg. The main damage is caused by antibiotics treatment. While not as excessively used at present as it was in the past, it is still quite common despite the medical knowledge that it is not effective against viruses that cause the cold. The rationale used to be that patients wanted something to

be done, and also that a potential bacterial co-infection of the lower respiratory tract might be prevented.

As the common cold is the most frequent infectious disease in humans, with the average adult contracting two to four infections a year and the average child getting between six to 12 colds, it is obvious that even treating only a small percentage of these cases still amounts to a huge overall prescription of antibiotics. I regard this widespread use of antibiotics as a main cause of diseases in our society (see www.health-science-spirit.com/medicaldisease.html). This is due to the disruptive influence of antibiotics on our intestinal flora, with a resulting overgrowth of pathogenic microbes especially *Candida* and other fungi. These factors are the basic underlying cause impairing our immune system and leading to asthma, allergies and autoimmune diseases as well as contributing to the development of cancer.

According to medical theory, the nasal mucus congestion of the common cold is caused by the rhinovirus, and elaborate rituals have been devised to stop or minimise its transmission between individuals. Once I was warned by a friend, who is a medical doctor, not to come close as she had a cold. I told her that this

...the number of colds and influenza and other respiratory infections varied from several per year to none, just by reducing the lactose intake.

is not how it works and that I cannot "catch" her cold. To prove it, I asked her to blow her nose and give me the wet tissue. I then wiped that into my nostrils and, sure enough, I did not catch her cold. I also believe that when we cannot catch a cold, we cannot catch influenza either. In the 30 years since I became aware of mucic acid, I have not had influenza.

The only commercial remedy that has shown a real effect in shortening the duration of the common cold is zinc, and most effective is zinc acetate as patented by George Eby (www.coldcure.com). Each lozenge releases 18 milligrams of zinc and needs to be dissolved in the mouth. You can make zinc acetate by dissolving zinc oxide in vinegar. But there is a non-commercial remedy that is even more effective than zinc lozenges, and that is the sugar cure.

The Sugar Cure

Keep a teaspoonful of sugar in the mouth and move it around slightly until it is dissolved after a minute or two; then spit it out and take another teaspoonful. Fine sugar is best for this purpose as it dissolves quickly. Continue with this for several hours until the cold symptoms, such as mucus congestion in the nose and sinuses, have disappeared and you can breathe through the nose easily. This also tends to remove headache and other discomfort.

I have found that a heavy cold can be stopped in about four hours using this method; a light cold may require less time. For influenza or other persistent mucus congestion, this process may have to be repeated for several days. The sugar draws mucus dissolved in lymph fluid into the mouth, and so gradually clears the head spaces. As a precaution, if you feel that you are susceptible to getting colds or if you have a runny nose or other congestion of head spaces, you may use the sugar cure for one or two hours and repeat it once a week or as required.

Sugar held in the mouth does not damage the teeth because it is too concentrated for bacterial activity, just like pure honey applied to wounds. It is only after one stops the sugar cure and the remaining sugar gets sufficiently diluted in the mouth that bacterial growth will be encouraged, but by then one can rinse the mouth with water. Someone who cannot or does not want to use sugar may try salt instead, or mix salt with sugar, or use honey.

The effectiveness of the sugar cure shows that it is not

the rhinovirus that is the main factor in triggering a cold, but, rather, the presence of mucic acid congestion. This is also confirmed by findings that some individuals are carriers of this virus without getting a cold, while others have cold symptoms that may be triggered by cold air without the presence of viruses.

While antimicrobial treatment, such as with zinc acetate, may ease any symptoms attributable to the virus, it does not stop the typical mucus discharge of a cold until the congestion has been cleared. Nevertheless, for a heavy cold, influenza and other respiratory infections it may be beneficial, in addition to the sugar cure, to use an antimicrobial such as MMS or Lugol's solution for a day or two before switching to high doses of vitamin C.

Using the sugar cure periodically is especially important for elderly individuals who are or have been regularly using milk products and now have a respiratory disease, hearing problems such as deafness, eye diseases such as cataracts or glaucoma, poor blood circulation to the brain and dementia, or a combination of any of these. As they are no longer protected by frequent colds, they need to avoid lactose-containing products or use the sugar cure regularly. With chronic congestion of the head spaces and respiratory system, it is also advisable to use other home remedies for draining mucus, such as postural drainage, nasal irrigation and steam inhalation.

Related Diseases

Mucic acid is the underlying cause of some related diseases, especially affecting the respiratory tract, the sinuses and

the inner ears. In this context, frequent colds may be seen as a safety valve which prevents or averts more serious health problems due to the accumulation of mucic acid.

Asthma and sinus congestion seem to result mainly from a combination of mucic acid accumulation and sensitivity to moulds, as caused by intestinal dysbiosis (overgrowth of pathogenic microbes in the intestinal tract). I remember a patient who was fond of yogurt and, for health reasons, prepared it from skim-milk powder. This produces yogurt with a much higher lactose content than yogurt from full-fat milk. When I persuaded her to use somewhat less yogurt and prepare it only from whole milk without additional skim-milk powder, her asthma disappeared for good. The asthma-causing skim-milk

**...a heavy cold
can be stopped in
about four hours
using this method;
a light cold may
require less time...
The sugar draws
mucus dissolved in
lymph fluid into
the mouth from
the lymph
glands...**

yogurt provided approximately 50 grams of lactose per day, while she was asthma free on whole-milk yogurt with about 5–10 grams of lactose daily.

Lung irritation caused by accumulated mucic acid also means that the lungs are more prone to be affected by food allergies and chemicals. This could result in inflammatory swellings of the bronchial tubes. The mucic acid-sensitised mucous membranes of asthmatics also react strongly to air pollutants such as smoke, pollen and sulphur dioxide. Mucus congestion in the lungs allows bacteria to infiltrate. Some strains of these bacteria convert sugars into alginic acid—another type of sticky mucus. Commonly, where there is intestinal dysbiosis combined with *Candida* overgrowth, the linings of the lungs can become sensitised to airborne moulds. Also, dead teeth may induce mucus congestion. With all lung diseases, mucic acid congestion must be strictly avoided.

A runny nose can usually be stopped simply by avoiding milk and yogurt. The same underlying cause may lead to hay fever in certain individuals, with pollen taking on the role of the rhinovirus in irritating the mucous membranes inside the nose. In this case, the sugar cure may need to be used repeatedly, even after avoiding lactose intake.

Influenza is similar to a heavy cold, but with a much stronger viral infection. I believe that the main reason for this stronger infection is the overacidity and more extensive mucus congestion of the lymph system, which now provides a breeding ground for the influenza virus. A main effect of this is the depletion of the body stores of vitamin C, which then causes the feeling of exhaustion along with muscular aches and pains. Therefore, in addition to the sugar cure, take 10 grams or more of vitamin C, and, in case of vomiting and diarrhoea, plenty of juices or other fluids that supply potassium and sodium. With all infections, it also helps if there is a good supply of the minerals magnesium, selenium, iodine and zinc.

Leukaemia may well be another consequence of a lymphatic system that is badly congested with mucic acid. It is especially striking that the incidence of leukaemia among two-to-three-year-olds is four times greater than that of one-year-olds and nearly 10 times greater than that of 19-year-olds (<http://seer.cancer.gov/publications/childhood/leukemia.pdf>). This closely matches the use of cow's milk for these age groups as

well as the reduced need for galactose as children grow older. A key problem with cow's milk may be the lack of enzymes due to pasteurisation. It may not be a coincidence either that Nathan Pritikin, famous for his much-publicised diet to cure cardiovascular diseases, developed leukaemia. The original Pritikin diet was very high in skim-milk products.

Leukaemia stands in between the acute mucus-related infections of childhood and the chronic degenerative diseases that commonly develop with advancing age. Because our metabolism and immune system slow down as we become older, our mucous membranes tend to become rather insensitive. As a result, mucus release through colds and runny noses becomes rare, and most of the mucic acid remains stored in the body. This may then lead to respiratory disease, deafness, cataracts and possibly dementia.

Even infants may develop cataracts when they cannot convert galactose to glucose. Therefore, galactose overload is also an important cause of cataracts in adults. Besides cataracts, there are other diseases that are usually considered to be typical for the ageing body but which may occur prematurely in infants with galactosaemia. These include liver degeneration, oedema and reduced memory, dementia or senility, the latter being equivalent to mental retardation in infants with galactosaemia. Galactose overload is also linked to cancer, and especially to cancer of the ovaries.

Mucus congestion may also contribute to degenerative lung diseases such as emphysema. Sometimes the lungs simply fill up with mucus. A young man

once died in my presence because his lungs and breathing passage were filled with sticky mucus. He literally drowned in it. With each breath I could hear the air bubbling up through the mucus. Not surprisingly, he was of indigenous (Maori) descent.

The Medical Hygiene Hypothesis

Modern medicine has invented the hygiene hypothesis to explain the greatly increased incidence of infections, allergies and autoimmune diseases in contemporary society. This says that the reason for this dramatic increase is our rather sterile way of living, with children no longer being exposed to the full range of environmental microbes so that they can build up an immunity to them in early life. While there is some

I believe that the main reason for this stronger infection is the overacidity and more extensive mucus congestion of the lymph system, which now provides a breeding ground for the influenza virus.

truth to this, the main reason is more likely to be iatrogenic: caused by the medical system.

When the intestinal flora of a baby or its mother are damaged by antibiotics or when a baby is raised only on pasteurised milk, then the immune system is so compromised that exposure to a lot of different pathogenic microbes will only make the condition worse. Therefore, the massive amounts of antibiotics used over the decades in the treatment of the common cold and related respiratory infections will be a key reason for the present steep rise in allergies and autoimmune diseases. This goes hand in hand with the medical promotion of pasteurised cow's milk, and especially of high-lactose skim-milk products, as desirable food.

In contrast, the success of the sugar cure in protecting us from the common cold and possibly influenza and respiratory infections shows an important principle of natural medicine: if we remove the cellular metabolic waste on which infectious microbes thrive, then these microbes cannot take hold in the body and cause infection. Alternatively, we may say that infections are nature's attempt to heal the body by using microbes to reduce its cellular waste piles.

How Much Lactose is Safe to Use?

Most of the world's adult population—with the exception of the Caucasian race—cannot split lactose into its two components, glucose and galactose. Commonly after the age of three, production of the lactose-splitting enzyme lactase declines and this can cause indigestion and diarrhoea if the diet contains appreciable amounts of lactose. This condition is known as lactose intolerance. However, smaller spaced-out amounts may still be tolerated as intestinal bacteria may split or digest some of the ingested lactose.

Lactose-intolerant people can tolerate lactose better if fermented milk is used, as in the form of yogurt or kefir, where the lactose is partially split by lactic-acid bacteria. Alternatively, a lactose-splitting enzyme or lactase is now commercially available and may be added to milk. However, lactose intolerance is only a minor problem compared to the much more serious health problems caused by galactose. Lactose intolerance actually appears to be a wise precaution of nature rather than a regrettable accident because it helps to protect us from the great danger of galactose overload, as most modern Caucasian adults and older children who can digest lactose are unable to use galactose efficiently or dispose of it safely.

In societies that traditionally used milk products, individuals were protected from galactose overload by a series of defences. Commonly, lactose content was reduced by fermenting and making cheese, quark and butter while discarding most of the whey. These individuals had an intestinal flora that converted much of the ingested galactose into energy. They had strong liver enzymes to convert any absorbed galactose into

Table 1: Lactose Content of Dairy Products

Butter	0.5%
Cheese, quark, cottage cheese	0.1 – 4.0%
Goat's milk	4.3%
Cow's milk	4.9%
Yogurt, ice-cream (with skim-milk powder)	5 – 25%
Skim-milk powder	52%
Whey powder	0%

glucose. Finally, on a traditional diet they would have had sufficient antioxidants to minimise the formation of mucic acid, and instead would just discharge any surplus galactose with the urine.

Most of these protective defences are greatly reduced or no longer available in modern society. Therefore, preventing excessive mucus accumulation in the body is much easier than trying to remove it afterwards. It is a sensible precaution to reduce your intake of lactose to an amount that does not cause mucus congestion or related problems. See Table 1 for the lactose content of some common dairy products.

With a lactose content of 52 per cent in skim-milk powder, you may now realise how dangerous is the current fad of using low-fat ice-cream, yogurt, cottage cheese and so forth instead of full-fat products. Such low-fat foods are made from skim-milk powder and may contain three to five times as much lactose as the equivalent full-fat foods. Skim-milk powder is also commonly added to a wide variety of processed foods, such as bread and other baking products, sausages and margarine. Therefore, read the labels and avoid foods that list "non-fat milk solids" as one of the ingredients.

I estimate that the average daily amount of lactose that healthy Caucasian adults with good liver functions can handle without the danger of long-term galactose overload is less than 10 grams, or the equivalent of a glass of milk. The liver will be able to convert a larger amount of galactose into glucose if lactose is ingested in several spaced-out amounts rather than in one single lot. However, those who are prone to mucus problems or are afflicted with a galactose-related disease do well with a much lower or near-zero lactose intake.

Table 2: Galactose Content of Some Foods

Dried Figs	4100mg/100g
Honey	3000mg/100g
Celery	850 mg/100g
Beets and beetroot	800mg/100g
Grapes	400mg/100g

Continued on page 82

Special offer exclusive to Nexus Readers. Price includes shipping to anywhere in Australia.

It's Your Body

You only get one body so look after it. The Melbourne Food Depot have been helping health conscious people, practitioners and major healthcare manufacturers since 1996. Our products are sourced, tested and re tested to maintain quality under our various certification systems.

Instructions

Photocopy or tear out this page and select the items you wish to purchase in section one. If you wish to order multiple items of the one thing just write the number required on the line next to the product. Fill in your address and payment method in section two. Be sure to include a daytime contact telephone number just in case we need to call you. Most orders will leave same day except payments by personal or business cheque, allow 28 Days

1. Select Your Items - These specials are valid until Nexus issue 1809 unless sold out prior

	Price	# of bags	Cost
Tumeric Powder 5% Active 1Kg pail - Contains Curcumin an excellent anti cancer fighting agent.	\$75		
Beetroot Powder 1.2kg pail - 9Kg of raw beetroot goes to make 1 kg of powder. Power packed product.	\$68		
Capsules Gelatin Size 0 (Green/White) bag of approx 1000 units - Great way to colour code contents.	\$33		
Tomato Powder 1.2kg pail - Very high levels of Lycopene can be used in combination with broccoli powder.	\$68		
Broccoli Powder 1.5Kg pail - Used in combination with tomato powder for prostate cancer treatment trials.	\$80		
D-Ribose Powder 1.2Kg pail - Used by practitioners to treat CFS & FM. Special sized pail, USA Manufacture	\$220		
N-Acetyl L Cysteine Powder 500g - This highly sort after amino acid is very rarely on special. (USA Made)	\$155		
Magnesium Chloride Flakes 600g - The best way to obtain Magnesium. True product of Japan NOT CHINA	\$48		
Spirulina Powder 500g - Organic Spirulina Powder from USA. Excellent source of the B group vitamins	\$50		
Cayenne Pepper Powder 1.5kg bag - Heat rating of 60K vacuum sealed in bag great for blood thinning.	\$58		
Rosehip Granules 2Kg Bag - Original superfood, Vit C packed full of Cert organic goodness. Grown in Chile.	\$165		
MSM Powder 2 kg bag - Pure Methyl Sulfonyl Methane powder no colours or flavours. USA Manufacture	\$160		
Papain Powder 6000 USP 50g - Natural enzyme used in the digestion of dietary protein.	\$18		
Brewers Yeast Powder 1.5Kg pail - Brewer's yeast contains amino acids, 14 minerals, and 17 vitamins.	\$49		
CoEnzyme Q10 Powder 3g - Naturally fermented, bio-identical to the body's own CoQ10. (3g = 3,000mg).	\$77		
Potassium Bicarbonate Powder 2kg pail - Complements Sodium bicarb. Rare in this size and price.	\$88		
Sodium Bicarbonate Powder 2.8kg pail - Aluminium free great for alkalisng your body and fighting cancer.	\$38		
Potassium Chloride Powder 5kg bag - Used to treat low blood levels of potassium (hypokalemia)	\$99		

Order quickly as products have previously sold out. Edition number of Nexus will tell you if offer still valid Total Amount due (inc free shipping): \$

2. Select Payment Method and total up what you have purchased

I enclose my Australia Post Money Order (sameday) or Cheque (28 days) payable to Melbourne Food Depot or Please debit my Visa or Mastercard total amount (sameday)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

Signature: _____ Credit Card Expiry Date: _____

Name (Please print): _____

Daytime Address: _____

Town: _____ State : _____

Postcode: _____ Daytime contact phone number: _____

98% of all orders will leave the same day we get your letter. Cheque payments allow 28 days from order date.

3. Send this form to us - No phone orders for these offers please mail this form with payment



The Melbourne Food Ingredient Depot, 508 Lygon Street, East Brunswick, Victoria 3057, Australia.
Phone 03 9386 3206 - enquiries only. No phone orders for these specials please order using form.
Shop open to the public on Thursday & Friday 10am till 5.30pm only. Specials not available in store
More info - www.mfcd.net/depot • Buy other products online - www.melbournefooddepot.com

BURSTING THE BUBBLE OF ANTIBIOTICS

The mass use of antibiotics, also in conjunction with vaccines, has led to large-scale immune system compromise and disease susceptibility as well as to the development of superinfections that are resistant to orthodox treatment.

by Viera Scheibner, PhD © 2011

Email:

viera.scheibner@gmail.com

Website:

<http://www.vierascheibner.com>

When penicillin was introduced as a mass medication in the 1950s, it was hailed as a miracle cure for all infections. However, most people are unaware that the miracle of penicillin almost never happened. According to Caldwell (2008), when bacteriologist Alexander Fleming returned from holiday and noticed the destructive action of *Penicillium* mould upon his agar-agar plate of *Staphylococcus*, he subsequently found that he couldn't replicate the experiment. Other bacteriologists across Europe, America and the world tried, for fun, to repeat it. They dropped *Penicillium* onto plates streaked with *Staphylococcus*, but nothing happened.

In that first "experiment", when Fleming went off on holiday in August 1928, the agar plate streaked with *Staphylococcus* had been accidentally left out of the incubator and *Penicillium* found its way in through an open window from a laboratory below and contaminated the plate.

"It was Ronald Hare, Professor Fleming's assistant and later Professor of Bacteriology at St Thomas's, who made the extraordinary discovery," noted Caldwell. Hare, checking the London meteorological records for that fortnight of August 1928, "discovered that there had been a nine-day period of unusually cooler temperatures" which favoured the growth of the *Penicillium* mould. The optimum temperature for *Penicillium* growth is 25° Celsius, whereas for *Staphylococcus* it's 35° Celsius.

Long before Professor Fleming and others, it was Ernest Duchesne, a 23-year-old French medical student, who on 17 December 1897 presented and defended his thesis, "Contribution to the study of vital competition in micro-organisms: antagonism between moulds and microbes" (Duckett, 1999). Much of his work was confirmed in 1942 by Chain, Florey and Jennings, who identified patulin—the antibiotic produced by *Penicillium glaucum*—and its effects against gram-positive and gram-negative bacteria. Since at least 1500 BC, mushrooms, brewer's yeast and moulds have been used to treat infected wounds.

Temperature Variation and Immune Response

In my *British Medical Journal* Rapid Response to Caldwell's entry, I wrote that researchers in the 1960s and 1970s intensively studied the effect of temperature on the growth and dynamics of a variety of micro-organisms such as *Escherichia coli*, golden staph, *Streptococcus*, *Salmonella* and *Neisseria* (Scheibner, 7 January 2009).

Mackowiak (1981) reviewed a number of studies on the relationship between body temperature and resistance to infection, and on the effect of physiologic variations in temperature on both the immune response of higher animals and on pathogenic micro-organisms themselves. Never mind what happens in the Petri dish: it all ultimately boils down to what happens *in vivo*.

Mackowiak wrote:

"Bacteria vary widely with respect to both the temperature at which they grow optimally and the temperature range over which they can reproduce successfully. The bacteria can be divided into three arbitrary groups: psychrophiles, mesophiles and thermophiles. Almost all of the bacteria that are pathogenic for humans are mesophiles. For obvious reasons, i.e., their superior ability to adapt, they grow and reproduce within our physiological temperature range between 33° and 41° Celsius. As an example, *Escherichia coli*'s growth increases rapidly as it approaches the optimal temperature for growth of the bacterium from the low end of the range of temperature for viability, and then decreases precipitously as the temperature rises above the optimum for growth."

Mackowiak wrote that when cultures of *E. coli* were subjected to a temperature of 45°C for five hours, bacterial cells became swollen and distorted when suspended in distilled water and were easily destroyed by lysosome (from egg white). The same thing applied to *Streptococcus*, *Neisseria* and other bacteria when tested.

Moreover, according to Mackowiak, early researchers established that such micro-organisms became increasingly susceptible to the bacterial effects of normal serum, antibiotics and detergents when the temperature was increased to 37°C.

Yersinia pestis (the flea-carried microbe that causes bubonic plague) developed a loosely adherent antigen-containing envelope—an adaptive mechanism, since this envelope appears to increase the resistance to phagocytosis when cultivated at 37°C but the organism lacks this envelope when cultivated at 28°C (the body temperature of the flea). Similarly, the rate of RNA degradation in mesophilic bacteria was found to increase linearly with increasing temperature.

Other studies cited by Mackowiak demonstrated the effect of sublethal hypothermia on the metabolic activity of pathogenic bacteria by a general decrease in catabolic activity and a reduced production of selected end-products as well as a reduced production of selected end-products associated with glucose metabolism.

The clinical relevance of these early findings is highly significant and obvious. The standard orthodox treatment for infections—administration of antibiotics and suppression of fever at the same time—is counterproductive, to say the least. Worse still, it encourages the growth and general viability of the

pathogens and their ability to develop resistance to antibiotics and other pharmaceuticals.

Unfortunately, the most important lesson from the initial failure of penicillin has not been learnt and heeded. Due to the chronic, endemic lack of wisdom of *Homo sapiens*, also known as "*Homo stupidissimus*", the miracle of antibiotics changed, just as with the miracle of sulphur drugs, into an unqualified nightmare.

An enormous wealth of research and empirical/clinical information has been accumulated over the decades since the 1950s. A lot of it quite clearly is negative and sufficient for the call to discontinue the use of any antibiotics. We have to ask why orthodox standard procedures are so countereffective and unscientific.

Adverse Effects of Antibiotics

Numerous reactions are listed in the product inserts for antibiotics. Instead of quoting tens of thousands of research papers, I now summarise the observed reactions as listed in the product information for a variety of antibiotics.

Besides creating a host of antibiotic-resistant bacteria and other micro-organisms, antibiotics have a host of adverse effects, including gastrointestinal problems (nausea, diarrhoea, intestinal candidiasis, colitis including

pseudomembranous colitis and haemorrhagic colitis), and they also destroy the good gut biota.

They proliferate the toxigenic strains of especially *Escherichia coli*. The side effects include: hypersensitivity (allergy) in human and animal recipients; a moderate rise in liver transaminase AST and/or ALT; hepatitis and cholestatic jaundice; haemic and lymphatic system damage (anaemia, thrombocytopenic purpura, eosinophilia and leukopaenia, including severe neutropaenia and agranulocytosis, and prolongation of bleeding time and prothrombin time).

The central nervous system side effects include hyperkinesia, dizziness and convulsions (particularly in patients with impaired renal function). Hypersensitivity reactions include erythematous maculopapular rash, pruritus and urticaria, erythema multiforme and Stevens–Johnson syndrome, toxic epidermal necrolysis, bullous exfoliative dermatitis and acute generalised exanthemous pustulosis (AGEP), angioneurotic oedema, anaphylaxis, serum sickness, hypersensitivity vasculitis and interstitial nephritis.

Under miscellanea is included superficial tooth discolouration.

The standard orthodox treatment for infections—administration of antibiotics and suppression of fever at the same time—is counterproductive...

Early Findings with Penicillin and the New Antibiotics

Especially initially, many deaths were reported in the recipients of penicillin (Coleman and Siegel, 1955) and later on with other antibiotics.

Coleman and Siegel's article also unwittingly demonstrated the significant submolecular dose (homeopathic) effect of antibiotics and the practical inability to sterilise even with the most stringent sterilising equipment (e.g., the autoclave).

After practically immediately, as it became obvious that all micro-organisms develop resistance to all and any new antibiotics developed, instead of discontinuing the use of any antibiotics microbiologists began a race to produce more and more (damaging) broad-spectrum antibiotics. The list of antibiotics developed is endless.

The hopelessness of the situation is perhaps best illustrated in an article in the *Weekend Australian* (Cribb, 1991), which contains the following quotes:

"A leading Australian microbiologist...has warned that a strain of golden staph resistant to all but one of the main antibiotics is now widespread in Australian hospitals"; "It almost seems that for every new antibiotic we come up with, the bugs find two or three ways to resist it"; "One of the startling...findings is that many common treatments may actually help the bugs to spread their resistance"; and "Our great fear is that if they become resistant to vancomycin and related drugs, we'll be back where we were before the discovery of penicillin". The microbiologist ended with: "In

the meantime we can only hope and pray it doesn't develop resistance to vancomycin and any new antibiotics which might be developed."

Notwithstanding the questionable effectiveness of his prayer, the bugs did develop solid immunity to vancomycin (Karanfil *et al.*, 1992) as well as to all subsequent new antibiotics.

Indeed, Professor Fleming himself had misgivings about penicillin because he envisaged, correctly, that bacteria would develop resistance to it.

The unfortunate situation is due to orthodox medicine's acceptance of the germ theory of disease, which was renounced even by its originator Louis Pasteur with his famous last words:

"The seed [the germ] is nothing; the soil [the host resistance] is everything."

Superantigens, Superbugs, Superinfections

Moreover, another scourge—the superantigen—has appeared on the scene (Zumla, 1992; Schlievert, 1993). Superantigens include bacterial products (mainly of streptococci and staphylococci) that stimulate T-cells to proliferate nonspecifically through interaction with class II major histocompatibility complex products on antigen-presenting cells and then with variable regions on the beta chain of the T-cell receptor complex. They are molecules, including endogenous retroviral gene products and microbial toxins, which share a unique set of characteristics. It is probable that associations are present between superantigen-induced proliferation of anergy (lack of response) of peripheral blood T-cells and clinical manifestations of human infectious diseases.

Let's pause here a little. How come these new superantigens appeared in the late 1950s, 1960s, 1970s and especially in the 1980s, and not 100 years ago? The trail of facts leads to a combination of multiple antigens in vaccines (causing serious immune suppression) and the indiscriminate use of antibiotics (creating particularly virulent forms of such commensals as *Staphylococcus aureus* and *Streptococcus* spp.). Needless to say, clinically these superantigens result in superinfections and lethal toxic shock syndrome resisting all orthodox treatment. (However, I know of at least one case where massive doses of sodium ascorbate healed a festering superbug—a flesh-eating bug—infection within three days and saved the person from a foot amputation.)

Even though many authors blame infectious diseases such as chickenpox and measles, they forget that vaccines and antibiotics derange the immune response to these normally innocuous and eminently treatable childhood diseases.

In my well-considered opinion, we are worse off than we were before penicillin was discovered. The iatrogenic diseases caused by the indiscriminate use of antibiotics form a long list and are overloading the already stretched medical (ill health) and hospital system in so-called developed countries. Ignorant people are calling for billions of dollars for more and more hospitals and pharmaceuticals. While promising more money, the politicians and all and sundry fail to ask themselves whether it is a sign of progress to have more and more hospitals full of sick people. The answer is a definite *no*.

**The trail of facts
leads to a
combination of
multiple antigens
in vaccines
(causing serious
immune
suppression)
and the
indiscriminate use
of antibiotics...**

Candida infestations are linked to the indiscriminate mass use of antibiotics. Until the introduction and mass use of antibiotics, there were no problems with candidiasis. However, in the 1950s and 1960s, the published information on candidiasis started filling orthodox medical journals, highlighting yet another serious, doctor-caused, scourge of humanity and its link to the mass use of antibiotics.

Orthodox medicine and its toxic medications (vaccines and antibiotics) are also lurking behind the well-documented and indisputable pandemics of obesity and diabetes—but that's for another article.

The Cantekin Affair

Just how effective are antibiotics in the treatment of otitis media with effusion (OME, a sticky fluid behind the eardrum in the middle ear, but with no ear infection)? Of special interest is the question of the effectiveness or otherwise of amoxicillin, one of the most prescribed antibiotics in the treatment of OME, or secretory otitis media (SOM).

Mandel *et al.* (1987) evaluated the efficacy of a two-week course of amoxicillin trihydrate (40 milligrams per kilogram of body weight per day) in a randomised, double-blind, placebo-controlled trial involving 518 infants and children who had OME, or SOM, with and without a four-week course of oral decongestant-antihistamine in combination. To summarise, the rate of resolution of middle-ear effusion was twice as high in those treated with amoxicillin, either with or without the decongestant-antihistamine, as in those who received the placebo, but 69.8 per cent of the amoxicillin-treated subjects still had effusion at least in one ear at four weeks. Side effects were reported more often in subjects who received the decongestant-antihistamine than in those who did not. Among the subjects without effusion at the four-week end-point, recurrent effusion developed in one or both ears in approximately half of those in both the amoxicillin and the placebo groups during the subsequent three months (61 per cent within one month). Moreover, among subjects without effusion at the four-week end-point, approximately half of those in both the amoxicillin and the placebo groups had a recurrent effusion within 16 weeks after treatment. The addition of the decongestant-antihistamine combination to the treatment regime

provided no advantage. Even without a major re-evaluation of their results, Mandel *et al.* demonstrated that amoxicillin has a very poor efficacy indeed. Perhaps it is worth mentioning that those with persistent middle-ear effusion at the end of the four-week end-point were dismissed from the study. The placebo was only described as similar in appearance and taste as the active medication and contained the same inert ingredients.

As an aside, it is interesting that further studies show that viruses, such as respiratory syncytial virus (RSV), have been identified in the middle-ear fluid of children with acute ear infections (Heikkinen *et al.*, 1999). RSV—originally called chimpanzee coryza virus, a contaminant of polio vaccines produced on captive laboratory chimpanzee kidneys—has been known since the 1950s and 1960s to be the cause of severe coryza in captive chimpanzees. It spread to millions of children who were the recipients of such contaminated polio vaccines. The virus was renamed RSV to cover up its connection to contaminated polio vaccines. The presence of viruses would further explain why antibiotics are not efficient in treating ear infections.

So, back to amoxicillin. Briefly, biomedical engineer Erdem I. Cantekin, PhD, and colleagues re-examined the data and conclusions of the Mandel *et al.* study. The re-examination (Cantekin *et al.*, 1991) showed: "Amoxicillin with and without decongestant-antihistamine combination is not effective for the treatment of persistent asymptomatic middle-ear effusions in infants and children." Indeed, Cantekin *et al.* showed

Indeed, Cantekin *et al.* showed that the recipients of amoxicillin were two to six times more likely to have another bout of effusion compared with those who were given no treatment.

that the recipients of amoxicillin were two to six times more likely to have another bout of effusion compared with those who were given no treatment.

When the paper by Cantekin *et al.* was finally published in JAMA in 1991, four years after its first submission, Drummond Rennie, MD, the then editor of the *Journal of the American Medical Association*, added his own five-page editorial under the title "The Cantekin Affair" (Rennie, 1991). Dr Rennie described disagreements that had arisen between Dr Cantekin and his fellow investigators within the Department of Otolaryngology at the Children's Hospital of Pittsburgh, Pennsylvania. Not only had Cantekin been fired from his job in August 1986, but others had refused to publish his competing 1986 re-evaluation of the by-

then-published research data of Mandel *et al.* (1987).

In his editorial, Dr Rennie wrote (quoting OSI, the Office of Scientific Integrity) that "the coincidence of the large pharmaceutical company honoraria to Dr [Charles] Bluestone [a co-author of the Mandel study] and the less than objective reporting of the efficacy of pharmaceutical treatments present[s] the appearance of conflict of interest". He explained that approximately US\$260,000 in personal honoraria between 1983 and 1988 and \$3.5 million in grants to the OMRC (the Otitis Media Research Center, Department of Otolaryngology, Pittsburgh) had been paid by pharmaceutical companies.

Rennie wrote *inter alia*: "...a characteristic of whistle-blowers is that, whether by nature or because they feel forced into it, their actions are anything but collegial. Indeed, whistle-blowing, which is what Cantekin evidently thought he was doing, is the ultimate uncollegial act, and one we always seem, as if by reflexive action, to punish."

Further, Rennie wrote: "The Pittsburgh reports read as if drawn up by the prosecution. To an editor, the strangest aspect is the fact that Cantekin, before sending his manuscript to a journal, had circulated it to Bluestone and the others, and they had withdrawn their names from it, so they knew very well that this manuscript existed. Stranger still is the fact that though he made very full disclosure to the editor, this remarkable fact is dismissed, not merely as a mitigating circumstance, but as having no relevance at all."

Rennie went on to suggest: "There is, moreover, an *ad hominem* quality to the Pittsburgh response that is disturbing. Cantekin's bosses at Pittsburgh, Drs Myers and Donaldson, in their [1990] letter to JAMA commenting on Cantekin's [then still to be published] article, go out of their way to note that the writers of the paper Cantekin presented at the Peer Review Congress were 'a bioengineer, an economist, and a lawyer', the implication being that such people were incapable of writing a credible paper. Editors, on the other hand, make great efforts to judge manuscripts on the quality of research rather than the status of the researcher. A better argument for 'blinded' peer review (blinding the reviewer to the name, rank, qualifications, and institution of the author) would be hard to find. Later on, Myers and Donaldson write, 'Indeed, Dr Cantekin is not a physician', as if Cantekin had been trying to represent himself as such, which he has not done... The trouble about bringing a bioengineer to Pittsburgh and putting him in charge of research in a clinical center and promoting him all the way to full professor

is that he remains a bioengineer, and arguments buttressed by his not being a physician not only ring hollow but are self-defeating."

Rennie also noted: "It's a nuisance to have people around who oppose the official view. But universities and journals, which, as has often been said, are universities without walls, have to tolerate, and, indeed, flourish in the presence of difficult, awkward, critical people like Cantekin. It's our job to put up with, and encourage, uncomfortable uncollegial characters who have unusual, unpopular, and original views: that's what academic freedom is. The price of sticking with the 'official line' is Lysenkoism..."

Lysenkoism is the Stalinist Soviet-style manipulation of the scientific process as a way to reach a predetermined conclusion as dictated by an ideological bias, often related to social or political objectives. It is not without interest that all totalitarian regimes engage in *argumentum ad hominem* when dealing with dissenters.

Nevertheless, despite the findings of Mandel *et al.* and their re-examination by Cantekin *et al.*, amoxicillin is still being used as "the drug of choice" in the treatment of otitis media with effusion and continues to be advertised as effective.

Overcoming an Ineffective Medical System

The general problem with the orthodox medical system is that it is very susceptible to

producing and administering unscientific and harmful mass medication. It is also the only system that has no valid philosophy and knowledge of health, sickness and healing, and works *against* rather than *with* nature.

Trillions of tonnes of antibiotics are fed to the unsuspecting and deceived public who still believe their doctors rather than their own eyes. Orthodox medicine even makes more trillions of dollars on its own mistakes, filling hospitals with people made sick by medicine and resulting in iatrogenesis and polypharmacy.

In Australia, based on my own experience, the Medicare system is as close as one can get to perfect as far as availability, cost and choice of practitioners are concerned. The problem is that the system is overused and misused and is encouraged to excesses by its own greed and ignorance. Any successes of orthodox medicine (mostly in surgery) are overshadowed by health problems such as pandemics of diabetes, cancers, chronic ill health, cardiovascular diseases, immunoreactive diseases (allergies), behavioural, learning and mental health problems, and horrific and bizarre criminality.

The general problem with the orthodox medical system is that it is very susceptible to producing and administering unscientific and harmful mass medication.

Premature deaths of babies and young and middle-aged people are acknowledged, but nothing effective is done about it.

With all this, orthodox medicine constantly tries to close down alternative medicine systems, such as homeopathy, without even knowing their philosophy, *materia medica* and basically what they are all about. How can anybody think that they can debunk any alternative medicine system with their ignorance? ∞

About the Author:

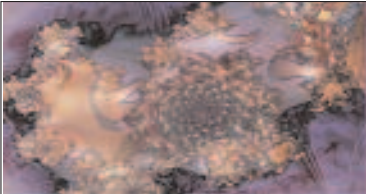
Viera Scheibner, PhD, is a retired principal research scientist. She is the author of *Vaccination: 100 Years of Orthodox Research Shows that Vaccines Represent a Medical Assault on the System* (1993; reviewed in NEXUS 2/16), and *Behavioural Problems in Childhood: The Link to Vaccination* (2000; see 7/05). Her most recent NEXUS article, "Little-Known Facts about Poliomyelitis Vaccinations", was published in 16/06. Dr Scheibner can be contacted by email at viera.scheibner@gmail.com. For more information and biographical details, visit <http://www.vierascheibner.com>.

References

- Caldwell, G.Y., "Who discovered why Penicillin worked?", Rapid Response, BMJ, 31 December 2008
- Cantekin, E.I. et al., "Antimicrobial Therapy for Otitis Media With Effusion ('Secretory' Otitis Media)", JAMA 1991

Dec 18; 266(23):3309-3317

- Coleman, M. and B.B. Siegel, "Studies in penicillin hypersensitivity. II. The significance of penicillin as a contaminant", *J. Allergy* 1955 May; 26(3):253-261
- Cribb, J., "Only one drug able to defy staph onslaught", *The Weekend Australian*, 20-21 April 1991
- Duckett, S., "Ernest Duchesne and the concept of fungal antibiotic therapy", *The Lancet* 1999 Dec 11; 354(9195):2068-2071
- Heikkinen, T. et al., "Prevalence of Various Respiratory Viruses in the Middle Ear during Acute Otitis Media", *NEJM* 1999 Jan 28; 340(4):260-264
- Karanfil, L.V. et al., "A Cluster of Vancomycin-Resistant *Enterococcus faecium* in an Intensive Care Unit", *Infect. Control Hosp. Epidemiol.* 1992 Apr; 13(4):195-200
- Mackowiak, P.A., "Direct Effects of Hypothermia on Pathogenic Microorganisms: Teleologic Implications with Regard to Fever", *Rev. Infect. Dis.* 1981 May-Jun; 3(3): 508-520
- Mandel, E.M. et al., "Efficacy of amoxicillin with and without decongestant-antihistamine for otitis media with effusion in children: results of a double-blind, randomized trial", *NEJM* 1987; 316(8):432-437
- Rennie, D., "The Cantekin Affair", *JAMA* 1991 Dec 18; 266(23):3333-3337
- Scheibner, V., "Re: Who discovered why Penicillin worked?", Rapid Response, BMJ, 7 January 2009
- Schlievert, P.M., "Role of Superantigens in Human Disease", *J. Infect. Dis.* 1993 May; 167(5):997-1002
- Zumla, A., "Superantigens, T cells, and microbes", *Clin. Infect. Dis.* 1992; 15:313-320



Trinifinity8

Bio-Energetic Algorithmic Technology & Software
for Rejuvenation and Well-being

Trinifinity8 is based on Mathematical Binary Codes and formulations along with vibrational energies transmitting to the body, using Fractals, Sacred Geometry Infusion, Pure Solfeggio Frequency Tones and Rapid Quartz Crystal Rods.


For those who want to transform their world and take it into the realm of glowing youthfulness and vibrational change, Trinifinity8 helps create a feeling of inner peace, radiance and well-being.

Trinifinity8's advanced subtle energy technology and programming brings mind, body and spirit into greater alignment and balance, and helps stimulate you to a greater level of performance.

What does Trinifinity8 Offer?

• ENERGISING	• FEELING OF HAPPY HEART
• FACE AND BEAUTY	• REVITALISES SKIN AND HAIR
• BODY SCULPTING	• HELPS PREVENT APPEARANCE OF AGING

As seen at the Nexus Conference



Inner Glow Health Products Pty Ltd
 Telephone: 07 5449 0600
www.innerglow.com.au
www.crystal-light-energy.com

Distributor Enquiries Welcome

TC energy design
harmonic resonance in glass

Enjoy the difference that
structured water
can make to your life
by restoring
your water's
integrity
with
**handblown,
harmonic glassware**

BEFORE AFTER

TC Energy Design products are masterpieces of form and harmony, beautiful mouth-blown glassware uniquely shaped to revitalise and restructure water. Created from musical compositions that are converted into spatial dimensions and formed into balanced, harmonic glassware, the shape and form of the glassware generates an energising resonance pattern that restores water with subtle waves of harmonic sound. The special design of TC products revitalises water, reminding it of its origins and restoring the integrity of its structure within **3 minutes**. Discover the astounding energetic effect of TC Energy carafes, hand blown glassware and plates and enjoy all the benefits of drinking energized, structured water.

Imported by NTP Health Products 1800 22 55 00
www.tcenergydesign.com.au

GEOCLENSE

A simple solution for all electromagnetic radiation in your home.

State of the Art Ionic Resonance Technology designed to balance...

- WI FI
- Digital TVs
- Dirty Electricity
- Geopathic Stress
- Microwave Emissions
- Compact Fluorescent Light Bulbs
- Emissions from Substations & Towers...

Proven Technology that harmonizes all EMR. *Feel the difference!*

Developed and manufactured in Australia by
www.orgoneffectsaustralia.com
Sick Building Syndrome Consultants
Research and Education

ZAKAY

GLASS CREATIONS gallery

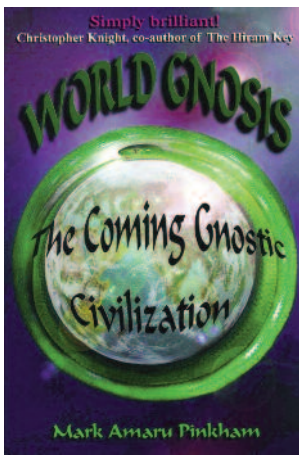
The Cube Light

Visit our gallery, studio and online store
open Mon-Fri 10am-5pm Sat 10am-4pm
6/102 Centennial Circuit, Byron Bay, NSW
zakayglasscreations.com 02 6685 6225

TWO NEW BOOKS TO NEXUS

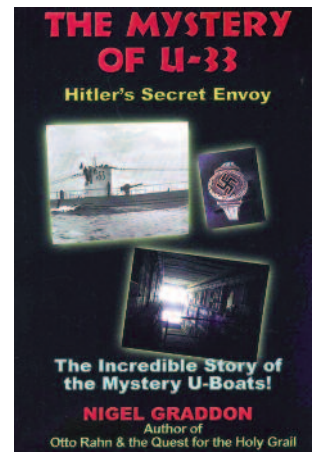
Gnostic Templar Grand Prior Mark Amaru Pinkham presents the amazing history and teachings of the Left Hand Path—which includes the world's gnostics, alchemists, secret societies, and mystery school initiates—and its continual battle with the patriarchal adherents of the Right Hand Path.

World War II historian Nigel Graddon chronicles a number of mysterious U-Boat missions—including trips to Antarctica—that took place both during and after the war. He details the strange landing of U-33 in Scotland in 1940, which involved the top-secret Enigma encoding device.



**World Gnosis:
The Coming
Gnostic
Civilization**

**The Mystery
of U-33:
Hitler's Secret
Envoy**



To order, visit www.nexusmagazine.com

Bruce L. Cathie - books and DVD

THE BRIDGE TO INFINITY
Harmonic 371244



In *The Bridge To Infinity*, Bruce Cathie theorises that the whole of physical reality which is

tangible to us, is formed from the basic geometric harmonics - or harmonics - of waveforms of light.

In this book you will discover the harmonic geometries of water, temperature, sound, the laser, the pyramids of Egypt and China, Stonehenge, bomb tests the volcano at Krakatoa, the harmonics of destruction, the world grid system, and much more.

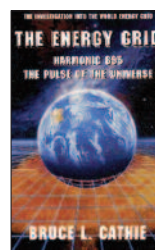
THE HARMONIC CONQUEST OF SPACE



Topics include: Mathematics of the World Grid; the Harmonics of Hiroshima and

Nagasaki; Harmonic Transmission and Receiving; the Link Between Human Brain Waves; the Cavity Resonance between the Earth; the Ionosphere and Gravity; Edgar Cayce; the Harmonics of the Subconscious; Stonehenge; the Harmonics of the Moon; the Pyramids of Mars; Nikola Tesla's Electric Car; the Robert Adams Pulsed Electric Motor Generator; Harmonic Clues to the Unified Field; and more.

THE ENERGY GRID
Harmonic 695

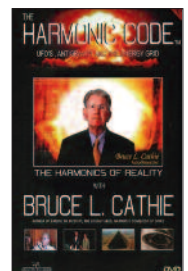


This is the breakthrough book that explores the incredible potential of

the Earth's energy grid.

Cathie investigates the Harmonics of Light and how the Energy Grid is created. Includes chapters on UFO Propulsion, Nikola Tesla, Unified Equations, the Mysterious Aerials, Pythagoras & the Grid, Nuclear Detonation and the Grid, Maps of the Ancients, an Australian Stonehenge examined and much more.

THE HARMONIC CODE
UFOs, AntiGravity and
the Energy Grid - (DVD)



In this documentary DVD, UFO and anti-gravity researcher and author Bruce L. Cathie explains the unknown secrets of our reality in this exclusive documentary into his life and research.

Discover the truth about matter and antimatter; time travel; UFO sightings; Earth's energy grid; harmonic mathematics; and the connection between atomic bomb tests and volcanic activity.

TO ORDER, VISIT www.nexusmagazine.com

Thorium Nuclear Energy

Thorium energy is a proven technology which offers to meet the world's energy demands for many centuries, at a price cheaper than coal.

There is plenty of information in circulation about thorium energy. But, significantly, it relates to different concepts and technologies. Some sources discuss thorium in solid form, which leaves most of the fuel unused, resulting in large amounts of waste. Some promote technologies which use all the fuel, and preferably all the old waste with it.

During the 1940s there were two competing fields of development, represented by Enrico Fermi (co-father of the A-bomb) and the US military on one side, and Eugene Wigner and Alvin Weinberg at Oak Ridge National Laboratory (ORNL) on the other side, advocating thorium energy.

Sadly, due to political and military priorities of the time, Wigner and Weinberg's work ceased to receive funding, and a commercial thorium solution was never realised, despite their work successfully proving the concept of thorium energy.

Some of the main sources of information about thorium energy originate from the days at ORNL between 1940 and 1970. Most of these scientific documents are available from the website www.energyfromthorium.com.

After this initial period of development, thorium energy was left largely unpursued. But today the thorium energy movement is increasingly gathering momentum.

(Source: *International Thorium Energy Organisation [IThEO]*, <http://www.itheo.org/information>)

China Opts For Thorium Power

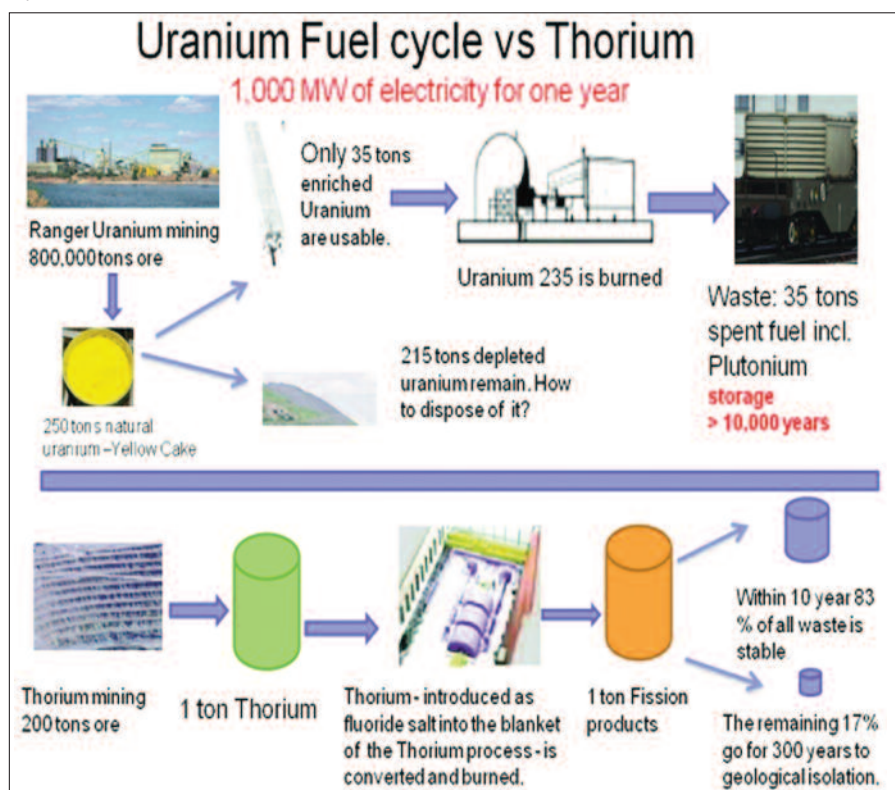
Earlier this year, China revealed its plan to build a safer, cleaner and ultimately cheaper network of reactors—based on thorium as a fuel. This passed unnoticed, except by a small band of thorium enthusiasts, but it may mark the passage of strategic leadership in energy policy from an inert and status-quo West to a rising technological power willing to break the mould.

"The reactor has an amazing safety feature," said Kirk Sorensen, a former NASA engineer at Teledyne Brown and a thorium expert. "If it begins to overheat, a little plug melts and the salts drain into a pan. There is no need for computers, or the sort of electrical pumps that were crippled by the tsunami. The reactor saves

itself," he said. "They operate at atmospheric pressure, so you don't have the sort of hydrogen explosions we've seen in Japan. One of these reactors would have come through the tsunami just fine. There would have been no radiation release."

US physicists in the late 1940s explored thorium fuel for power. It has a higher neutron yield than uranium, a better fission rating, longer fuel cycles and does not require the extra cost of isotope separation. The plans were shelved because thorium does not produce plutonium for bombs. As a bonus, it can burn up plutonium and toxic waste from old reactors, reducing radio-toxicity and acting as an eco-cleaner.

(Source: *Daily Telegraph*, 20 Mar 2011, <http://tinyurl.com/4t5ojde>)



Free-Floating Planets May Be More Common Than Stars

Astronomers have discovered a new class of Jupiter-sized planets floating alone in the dark of space, away from the light of a star. The team believes that these lone worlds are probably outcasts from developing planetary systems and, moreover, they could be twice as numerous as the stars themselves.

"Although free-floating planets have been predicted, they finally have been detected," said Mario Perez, exoplanet program scientist at NASA Headquarters in Washington. "This has major implications for models of planetary formation and evolution."

The discovery is based on a joint Japan–New Zealand survey that scanned the centre of the Milky Way galaxy during 2006 and 2007, revealing evidence for up to 10 free-floating planets roughly the mass of Jupiter. The isolated orbs, also known as orphan planets, are difficult to spot. The planets are located at an average approximate distance of 10,000 to 20,000 light years from Earth.

The team estimates that there are about twice as many free-floating Jupiter-mass planets as stars. In addition, these worlds are thought to be at least as common as planets that orbit stars.

This adds up to hundreds of billions of lone planets in our Milky Way galaxy alone.

The survey is not sensitive to planets smaller than Jupiter and Saturn, but theories suggest lower-mass planets like Earth should be ejected from their stars more often. As a result, they are thought to be more common than free-floating Jupiters.

Previous observations spotted a handful of free-floating planet-like objects within star-forming clusters, with masses three times that of Jupiter.

But scientists suspect the gaseous bodies form more like stars than planets. These small, dim orbs, called brown dwarfs, grow from collapsing balls of gas and dust but lack the mass to ignite their nuclear fuel and shine with starlight.

(Source: *NASA Science News*, 18 May 2011, <http://tinyurl.com/5ulfqw5>)



This artist's conception illustrates a Jupiter-like planet alone in the dark of space, floating freely without a parent star. (Image credit: NASA/JPL-Caltech)

Power from the Air: Device Captures Ambient Electromagnetic Energy to Drive Small Devices

Researchers have discovered a way to capture and harness energy transmitted by such sources as radio and television transmitters, cellphone networks and satellite communications systems. By scavenging this ambient energy from the air around us, the technique could provide a new way to power networks of wireless sensors, microprocessors and communications chips.

"There is a large amount of electromagnetic energy all around us, but nobody has been able to tap into it," said Professor Manos Tentzeris, of the Georgia Institute of Technology School of Electrical and Computer Engineering, who is leading the research.

"We are using an ultra-wide-band antenna that lets us exploit a variety of signals in different frequency ranges, giving us greatly increased power-gathering capability."

Communications devices transmit energy in many different frequency ranges, or bands. The team's scavenging devices can capture this energy, convert it from AC to DC, and then store it in capacitors and batteries. The scavenging technology can take advantage of frequencies from FM radio to radar, a range spanning 100 megahertz (MHz) to 15 gigahertz (GHz) or higher.

Scavenging experiments utilising TV bands have already yielded power amounting to hundreds of microwatts, and multi-band systems are expected to generate one milliwatt or more. That amount of power is enough to operate many small electronic devices.

By combining energy-scavenging technology with supercapacitors and cycled operation, the Georgia Tech team expects to power devices requiring above 50 milliwatts.

(Source: *ScienceDaily.com*, 8 July 2011, <http://tinyurl.com/3ukj57t>)

NEWSCIENCE NEWSCIENCE NEWSCIENCE

Comet Elenin Brings Domsday Scenarios and a Reality Check

Comet Elenin (also known by its Astronomical name C/2010 X1) was first detected on 10 December 2010 by Leonid Elenin, an observer in Lyubertsy, Russia, who made the discovery "remotely" using the ISON-NM observatory near Mayhill, New Mexico, USA. At the time of the discovery, the comet was about 647 million kilometres (401 million miles) from Earth.

Comet Elenin will cross Earth's orbit on its inbound leg and again on its outbound swing around the Sun later this year. It should be at its brightest shortly before the time of its closest approach to Earth on 16 October. At its closest point, it will be 35 million kilometres (22 million miles) from us.

Can this icy interloper influence us from where it is or where it will be in the future? What about this celestial object inspiring some shifting of the tides or even tectonic plates here on Earth?

A dizzying collection of doomsday predictions has already been linked to comet Elenin.

The hysteria was inevitable as anxiety grows over the approach of 2012—supposedly a game-changing year for life on Earth, according to some interpretations of the Mayan calendar.

If you believe the conspiracy whistleblower or channelled entities' material on numerous websites, forums and YouTube clips, then this is not merely a "renegade comet" that just couldn't wait for 2012 to mess with the Earth: it might also be Nibiru, Planet X or an ET-controlled terraforming device—any of which may even cause a pole shift. Comet Elenin has already been blamed for triggering earthquakes, shifting the Earth's rotational axis, melting ice on Mars and stirring up a storm on Saturn.

And that's just the beginning. There are numerous "Cometgate" allegations of news media and government cover-ups of the existence of hidden comet shelters for US officials for when Elenin gets closer; and then there is the story of how the Vatican is recalling all its archbishops to Rome over the critical period in October.

Elenin's path through the inner solar system is also being closely watched by hundreds of amateur earthquake-watchers for tectonic events that may be connected to the various alignments made between itself and the inner planets.

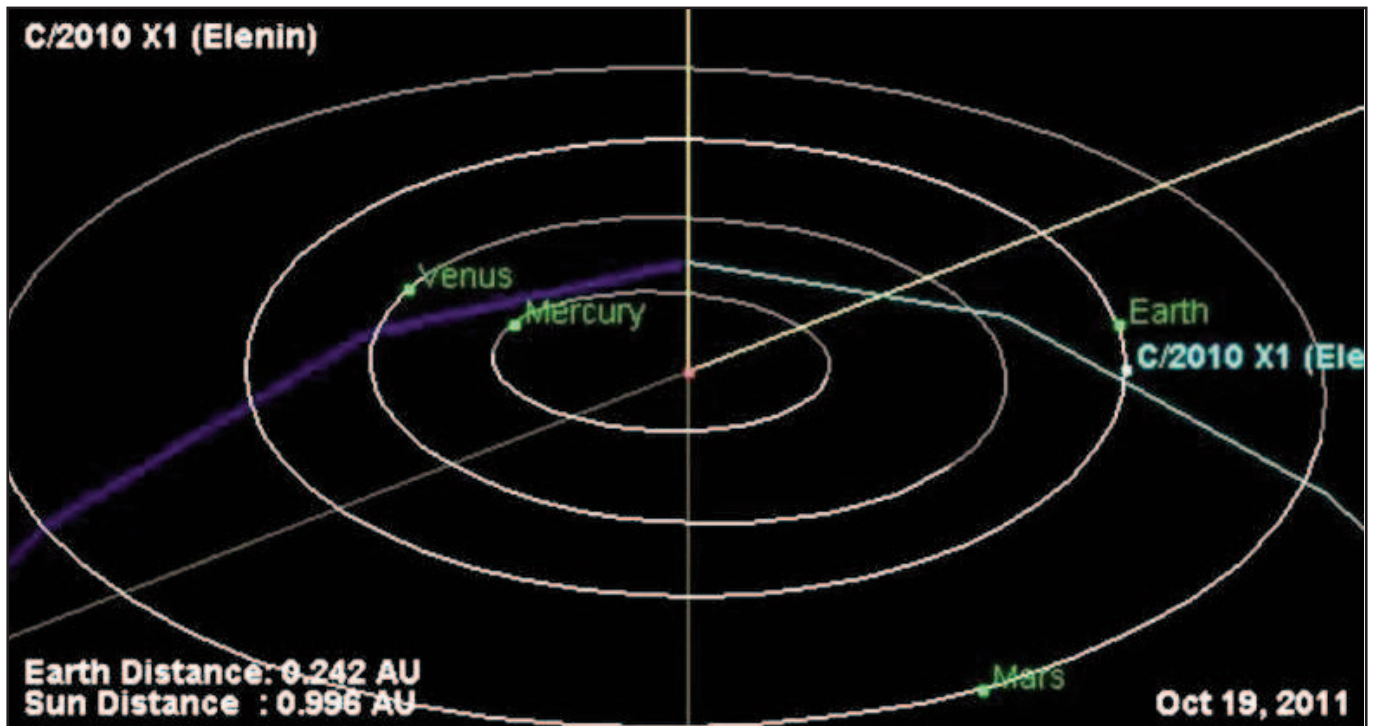
NASA and many scientists take the following view... The effect of the comet on Earth at its closest approach will be as inconsequential as that of a mosquito slamming head-on into an ocean-going supertanker.

Let's look at the physics. Comet Elenin is a loose agglomeration of volatile ices and dust a few miles across.

It is therefore one hundred *billionth* the mass of our Moon.

The comet's tidal pull on Earth at its closest approach will be approximately one hundred *trillionth* the force of the Moon's tidal pull on Earth.

(Sources: NASA JPL News Release, 4 May 2011, <http://tinyurl.com/3ckz64r>; Discovery News, 22 March 2011, <http://tinyurl.com/6cqd2a7>; Orbit Diagram below from <http://tinyurl.com/4bn8dzn>)



ALTERNATIVE THERAPIES 39th Annual Cancer Convention

FOR THE GENERAL PUBLIC AND PROFESSIONALS

Sept. 3, 4 & 5, 2011

Sat., Sun. & Mon. – Labor Day Weekend

SHERATON UNIVERSAL

(Across from Universal Studios Hollywood)

LEARN ABOUT THE PREVENTION & CONTROL OF CANCER THROUGH NUTRITION, TESTS & NON-TOXIC CANCER THERAPIES SUCH AS LAETRILE, GERSON, HOXSEY, POLY-MVA, ENZYMES & IMMUNOTHERAPY FROM MEDICAL DOCTORS, CLINICAL RESEARCHERS, NUTRITIONISTS & AUTHORS.

ALSO, LEARN ABOUT CHELATION, DMSO, OXYGEN, HERBAL, CELLULAR & ELECTRO-MAGNETIC THERAPIES.

IN ADDITION, NATURAL THERAPIES FOR HEART, DIABETES, ARTHRITIS, MS & EYE DISEASES.

Pay at Door \$40.00/Day \$20.00/Day
Cash or Check Exhibits Only

For Doctor Referrals and Programs contact:

CANCER CONTROL SOCIETY

(323) 663-7801 www.cancercontrolsociety.com

DOCTOR'S SYMPOSIUM – Tuesday, September 6

Tour of Mexican Cancer Clinics – Wed., Sept. 7 & Sat., Sept. 17

³⁶⁹Omega Massage

Get the maximum benefit of omegas
on your skin with

**100% virgin HEMP SEED OIL
& Essential Oils Blend**

For external use only

Retail - Wholesale

BARGAIN PRICES BUY IN BULK

www.hempoil.net.au

DEHYDRATORS-NUTCRACKERS-GRAINMILLS-WELLNESS WATER PURIFICATION

SURVIVAL

**PRIORITY ONE: PURE WATER FROM A
PUDDLE, READY TO DRINK,
WITHOUT CARRYING THE WATER AND
WEIGHT?**

Portable Life Saver Water Bottles/Jerry Cans



LB Healing Products

Ph: 02 6373 3419

www.grainmills.com.au sales@grainmills.com.au

ANTIPARASITE HERBS-MANUAL & ELECTRIC JUICERS-COCONUT OIL-HIMALAYAN ROCK SALT LAMPS-DISTILLERS

SOLAR COOKERS-HEALTHY MIRACLE LIQUID SOAP-MIRACLE LAUNDRY BALL-VACUUM SEALERS-SHOWER FILTERS

LEARN REMOTE VIEWING



The world's leading female Remote Viewer, **Angela Thompson SMITH Ph.D.** is visiting from the U.S. to teach two 5-day workshops in Remote Viewing:

10-14 October, and 17-21 October.

Limited to **only 10** participants each workshop!

Cost of the workshop is \$1,500. The venue is the beautiful Magic Mountain Resort, Gold Coast magicmountain.com.au

Remote Viewing is a mental technique whereby a person can describe people, places or events that are perceived mentally but are separated from the "viewer" by distance, shielding, and even time.

The technique was developed in the early 1970s under the auspices of the U.S. Defense department and used by the U.S. military and the C.I.A. for two and a half decades to gather military intelligence.

You too can now be taught this step by step, structured technique that will gradually give you increasing access to 'the target'.

Remote viewing has been used successfully to find missing people, sunken treasure, and winning business strategies!
What could you use it for?

Visit mindwiseconsulting.com/oz for further information and to reserve your place.

POWER STRUGGLES AND MURDERS IN THE VATICAN

Evidence surrounding the 1998 killing of the new commander of the Swiss Guard overturns the Vatican's official version of events and raises disturbing questions about Opus Dei and masonic influences in the Curia and the activities of Eastern European spy networks.

by Philip Coppens © 2011

PO Box 13722
North Berwick EH39 4WB
United Kingdom

Email:

info@philipcoppens.com

Website:

<http://www.philipcoppens.com>

A Link to the Attempted Assassination of Pope John Paul II

On Monday 4 May 1998, just after 9.00 pm, 43-year-old Swiss Guard Alois Estermann was found shot dead along with his wife, Gladys Meza Romero, and another Swiss Guard, 23-year-old lance corporal (or vice-corporal) Cédric Tornay. It is extremely rare that murder occurs within the walls of the Vatican. However, what makes these deaths rather poignant is that, just hours before the murders, Estermann was appointed commandant of the Swiss Guard by Pope John Paul II.

Within hours of the crimes, Tornay was identified as the man who "in a moment of madness" had killed the commandant and his wife before turning the gun on himself. The Vatican said that "the recruit" appeared to have a personal grudge against his commandant and previously had complained about a lack of recognition within the Swiss Guard. And that, it seemed, explained it all. Or did it?

In the immediate aftermath of the crimes, it was reported that Estermann, almost two decades before, had shielded the pope during the 1981 assassination attempt—an incorrect news item that would continue to circulate for some time. But according to Ferdinando Imposimato, the Italian prosecutor in charge of the investigation of the attempted assassination of Pope John Paul II, both he and Mehmet Ali Ağca, the Turk who failed to kill the pope on 13 May 1981, are convinced of a link between the assassination attempt and the 1998 murder of Estermann.

Imposimato claims that, during private conversations held between 1997 and 2000, Ağca confirmed that the Russian KGB and the Bulgarian secret service had been involved in the 1981 assassination attempt on the pope. Imposimato alleges a connection with the 1998 murder through a link with the East German secret police, the Stasi. Though the Vatican and many Church apologists did not want to hear it, it is a fact that Markus Wolf, the former number two of the Stasi, declared that in 1979 Estermann had been recruited as a Stasi agent. Whether or not Wolf told the truth is a different matter, of course, but Wolf's credibility has never been questioned—except in this instance. The question therefore is: if Estermann was still a Stasi asset by 1998, by which time communism had long collapsed and East Germany had folded back into Germany, could this explain the 1998 murders?

Opus Dei versus Freemasons and Propaganda Due

A year after the murders, a group of disaffected priests inside the Vatican claimed that Estermann had been the victim of a Vatican power struggle. The priests suggested that evidence in the murder investigation had been tampered with in order to fit the hypothesis that the killing of Estermann was the result of a moment of madness on the part of Tornay. The claims were published in 1999 in the book *Blood Lies in the Vatican*, printed by a small Milanese publisher. The Vatican still wields tremendous power in Italy...

The anonymous authors claim that Estermann was the victim of a struggle for control of the Swiss Guard between the secretive, traditionalist Catholic movement Opus Dei and a Masonic power faction ensconced in the Curia. This "Masonic power" should be read as the likes of P2—Propaganda Due—while the plot of the book seems to have been taken out of Dan Brown's *Angels & Demons*. Indeed, it seems that Estermann's murder may have been worked into *Angels & Demons*.

"In the Vatican, there are those who maintain that vice-corporal Tornay was attacked after coming off duty and dragged into a cellar," it is argued in *Blood Lies in the Vatican* (<http://tinyurl.com/5t9kowz>). Tornay was then "suicided" with a silenced 7-mm pistol, and his duty revolver was used to kill the Estermanns in their Vatican apartment. Following that, Tornay's body was dumped in their flat so that the triple killing would look like murder-suicide.

As to a motive, it is alleged in the book that both Estermann and his wife, who worked at the Venezuelan Embassy to the Holy See, were engaged in secret international financial deals for the benefit of Opus Dei. It is also alleged that the power vacuum at the head of the Swiss Guard had been because of opposition to Estermann's appointment. Is it just a coincidence that nine hours after the announcement of the Vatican's choice, the new commander was dead?

That the Vatican went into a protective mode immediately after the discovery of the bodies is a fact. It is also a fact that the "murder-suicide" scenario in "a moment of madness" is a conclusion reached within hours of the crime—though, it has to be said, the crime scene definitely suggested the likelihood of this scenario. But *Blood Lies in the Vatican* underlines that the official scenario was offered by the Vatican spokesman Joaquín Navarro-Valls, MD, himself a member of Opus Dei.

Within minutes of the murder, Dr Navarro-Valls had sealed the Estermanns's apartment. No one—including the Italian police—was allowed near the crime scene. Within three hours and before any autopsies were conducted, Navarro-Valls had issued the statement that a "fit of madness" made Tornay commit a double murder (John Follain, *City of Secrets: The Truth Behind the Murders at the Vatican*, William Morrow, 2003, pp. 14-15). Autopsies were performed the next day by Vatican doctors, who were sworn to secrecy and kept no written reports of their conclusions, thus largely defeating the purpose of the autopsies.

People have queried how Navarro-Valls was able to discern so quickly that Tornay, a man he had never met, had performed this act in a fit of madness.

Furthermore, the evening following the murders, Cardinal Alfons Stickler described Tornay as "an individual suffering from the psychological disorder of paranoia" (Follain, 2003, p. 17)—another intriguing diagnosis from someone who had never met Tornay and was not qualified to reach such a diagnosis.

The Doctored Official Report

Interestingly, according to the official report (*Bollettino* 55/99), the "fit of madness" had physical rather than purely psychological reasons, which means that Navarro-Valls's conclusion is wrong as no autopsy had been performed at the time of his statement. The report mentions traces of a cannabis metabolite present in the urine, though not in the blood. However, the amount itself was far too small to indicate cannabis addiction. Furthermore, cannabis is known to calm aggressive impulses, not to provoke them. So rather than clear anything up, the report poses more questions.

The pathologists also exaggerated the significance of a benign tumour in Tornay's brain. They had found a "benign subarachnoid cyst", 4.0 by 2.5 centimetres, which had "depressed and deformed the anterior part of the left frontal cerebral lobe, partially eroding the bone". Though most experts agree that this would have had no effect at all on Tornay's behaviour, the pathologists argued that it "was responsible

Is it just a coincidence that nine hours after the announcement of the Vatican's choice, the new commander was dead?

for impairment of cognitive [thought] function...and... disinhibition of behaviour". However, during a second autopsy that would later be performed in Switzerland, it was shown that no such tumour was present in Tornay's brain at all—suggesting, once again, that the Vatican's official version of the events is seriously flawed, if not doctored, if not a total lie.

It was left to Cardinal Secretary of State Angelo Sodano to perform the Requiem Mass for Estermann and his wife at St Peter's Basilica. That in itself was a rare honour for laypeople. At the same time, on the border of Vatican City in the small Church of St Anne, a private funeral mass was said for Cédric Tornay. Inside, a Swiss Guard line allowed a gap for the space where Tornay usually stood.

The Second Autopsy and a Forged Suicide Letter

Since his death, Tornay's mother, Muguette Baudat, has frequently expressed her dissatisfaction with the way the Vatican has handled the case. She does not accept the official scenario. Baudat, herself a Protestant, was told immediately after her son's death that his body was rotting, that his head had been ripped off, and that all the hotels in Rome were full so she

should not come to Rome. She did, of course, and when she reached Rome she discovered that none of the claims made by the Vatican about the state of her son's body was true. Muguetta Baudat wrote twice to the pope, questioning the Vatican's version of Tornay's death, but did not receive a reply.

When Tornay's body was flown back to Switzerland, before the funeral Baudat literally stole the body from a Swiss morgue to have a second autopsy performed by Dr Thomas Krompecher, professor of forensic medicine at the University of Lausanne. Based on his conclusions, Baudat retained the services of two high-profile lawyers, Luc Brossollet and Jacques Vergès.

The lawyers, authors of *Murdered in the Vatican* (*Assassinati in Vaticano*, Kaos, 2002), claim that the second autopsy contradicts the Vatican's conclusions on several key points. Tornay's service pistol used 9-mm bullets, but the exit wound in his skull measured seven millimetres. Tornay apparently suffered a fracture of a cranial bone which was not on the bullet's trajectory. His lungs contained a large amount of blood and saliva which could not have been caused by suicide, but could have been caused by internal bleeding due to blows to the head before he died. The forensic report also notes that Tornay's front teeth were broken off, as if a gun had been forced into his mouth.

Finally, graphologists and psychologists who examined Tornay's final letter to his mother conclude that it is a forgery—also an allegation of Tornay's mother. Why? First, the letter is dated "4.05.98", but Tornay always wrote the month in full and never used a zero to delineate the first nine months of the year. He refers to Estermann as "Lieutenant Colonel", whereas he knew that Estermann was now a colonel. More importantly, he called his sister "Melinda", whereas he always referred to her as "Dada". He refers to the "Pope", rather than his usual reference of the "Holy Father".

The suicide letter states, "Tell Melinda, Sarah and Papa that I love you all"—but Tornay was also very fond of his step-brothers Yvan and Joel, and all his friends and family members believe that he would have mentioned them in a suicide note...if he had written one. His mother claims that the non-inclusion of his step-brothers is because the forger used only the Vatican's official files to create this letter and hence was unaware of their existence. Equally, the letter is

addressed to "Mme Chamorel", but Tornay always used his mother's maiden name, Baudat—not the surname of her second husband. The Vatican registers list Tornay's mother's surname as "Chamorel". With such evidence, it should not come as a total surprise that the handwriting experts engaged by Baudat confirm that her son did not write this letter.

A "Terrible Truth" Concealed

In his book *City of Secrets*, Vatican reporter John Follain underlines that though Tornay was depicted by Navarro-Valls as a "recruit", he had served in the Swiss Guard for over three years. Tornay's responsibilities as lance corporal included being in charge of all the guards deployed at the Apostolic Palace, the residence of the pope, and monitoring St Anne's Gate, the key entry point into Vatican territory. Tornay, in short, was a distinguished member of the Swiss Guard—not entry level.

Follain asked a Vatican monsignor why Alois Jehle, chaplain to the Swiss Guard, allegedly told Tornay's mother that her son's head had been ripped off his body. Why would he say such a thing? "Because he was told to," the monsignor answered, "by my boss." (Follain, 2003, p. 65) That boss was Angelo Sodano, who also prevented Muguetta Baudat from gaining access to the completed Vatican inquiry.

"Reasons of state appear to reign at the head of the church, and I think this is the origin of the great effort made by the heads of the Roman Curia to prevent a terrible truth being revealed to the world," Tornay's mother wrote (<http://tinyurl.com/5t9kowz>). With this statement, Baudat echoes the conclusions of *Blood Lies in the Vatican*, that the Banco

Ambrosiano affair was part of a power struggle between Freemasons and Opus Dei that would cost Estermann his life. Indeed, whereas the struggle of Freemasons and Opus Dei is often depicted as occurring in the early 1980s, it appears that around the close of the millennium that battle was still raging inside the walls of the Vatican!

The Estermann affair might have been covered up if it had not been for Muguetta Baudat, who refused to be silent. According to Baudat, the Vatican even sent an envoy to Switzerland to threaten her: "He wanted to find out how much I knew and what I planned to do about it. He gave me a rosary, but he also threatened me in the name of his superiors, telling me I should

“Reasons of state appear to reign at the head of the church, and I think this is the origin of the great effort made by the heads of the Roman Curia to prevent a terrible truth being revealed to the world,” Tornay’s mother wrote.

stop asking about Tornay's death and think of my surviving children. He said he was sure I wouldn't want anything bad to happen to them. That's a threat, isn't it?" (Follain, 2003, p. 175)

What did she know? Baudat states that a year before he died, her son confided to her that he and two other Swiss Guards were investigating Opus Dei. "The less you know about it, the better," he told her. "Later," said Baudat, "I found out from some friends of Tornay that Estermann was close to Opus Dei and had tried to recruit guards into it." (Follain, 2003, p. 47) The question is whether Tornay was carrying out this investigation on his own, or whether he was asked to carry it out—and if so, by whom.

The answer to that question might be Yvon Bertorello, a member of Vatican intelligence, who claims that one of his assignments was to spy on the Swiss Guard to gauge the extent to which Opus Dei had infiltrated it. There is no reason to doubt that someone indeed wanted to know such facts. Bertorello befriended Tornay, and Tornay became an intelligence-gatherer. Tornay himself, in speaking to his mother, claimed that he was not the only Swiss Guard in this intelligence-gathering exercise. As to who ordered Bertorello: according to author Gérard de Villiers, the assignment was given by an unnamed Vatican prelate.

It is generally accepted that Estermann was close to, if not involved with, Opus Dei. In fact, according to some, his very involvement with Opus Dei was the primary reason why his promotion to commander of the Swiss Guard was blocked for several months, no doubt while the Vatican tried to find out the extent of Estermann's involvement with the organisation or to decide whether it would be a good idea to have an Opus Dei member as head of the Swiss Guard. But this fact has been buried in so many lies and rumours that few have focused on it. Instead, most headlines have fancied the notion that Estermann and Tornay had a homosexual affair.

Sexual Intrigue in the Swiss Guard

The official version as released by the Vatican is that Tornay had a personal grudge against Estermann. When Estermann was confirmed as commander, Tornay was supposedly also in line for a recommendation but did not receive the honour, allegedly because Estermann himself had blocked it.

Therefore, in a rage, Tornay took his gun, entered the Estermann home and killed Estermann and his wife before turning the gun on himself.

The relationship between Tornay and Estermann is said to have been complex. First of all, members of the Swiss Guard are all Swiss—as the name indicates. But as Switzerland is internally divided, there are both language and cultural barriers between the German and French Swiss. Estermann was German, Tornay French. All the French Swiss Guard members apparently frequently complained of harassment by their German-speaking countrymen and Estermann in particular.

After the murders, members of the Swiss Guard were formally forbidden to discuss Estermann, Tornay or the murders with anyone. Hence, reporters have been able to interview only ex-guards. One such ex-guard said to Follain: "Tornay was a victim. He wasn't [of] a violent nature, but he was the victim of bullying for three years...for the Swiss Germans he was the devil in person." (Follain, 2003, pp. 219-20; Mark Fellows, "The Smell of Death", *Catholic Family News*, 3 November 2003)

Indeed, Estermann was the only officer to vote against Tornay's promotion to lance corporal, but what the Vatican's official version underplays is that he was overruled. So even though Tornay might have carried a grudge against Estermann, Tornay had his promotion—making it less likely that he would have had this mad rage against Estermann.

As mentioned, according to some sources Estermann and Tornay had a homosexual relationship. Professor Massimo Lacchei, in his book *Verbum Dei et Verbum Gay* ("God's Word and Gay Word", Libreria Croce, Rome, 1999), claims that homosexuality is widespread within the walls of the Vatican. He writes: "I see the Swiss Guard as a kind of hot-house, whose flowers are picked by homosexual bishops and cardinals. People in the Vatican tell me the Guards supplement their tiny wages that way." In Lacchei's book, Estermann and Tornay are featured, though under pseudonyms. Equally, Follain claims that Estermann and Tornay had a homosexual relationship: it lasted for two years, and ended when Tornay caught his superior with another man. It is believed that when their relationship ended, Estermann went on to bully Tornay and began a personal vendetta for whatever specific reason. If true, no doubt only the two of them knew.

The answer to that question might be Yvon Bertorello, a member of Vatican intelligence, who claims that one of his assignments was to spy on the Swiss Guard to gauge the extent to which Opus Dei had infiltrated it.

So, on the one hand, we have a story of personal rivalry, born from a lovers' dispute, while on the other hand we are told that this is a conspiracy in which Tornay was an innocent victim because he had been researching ties that Estermann and his wife had with Opus Dei. Of course, both are not mutually exclusive, as Tornay could have been selected to spy on Estermann specifically because of their personal relationship. But why is this all so important?

It is a fact that Opus Dei had largely taken control of the Vatican by 1998, and the promotion of an Opus Dei member to commander of the Swiss Guard was in itself nothing out of the ordinary except further evidence of its ever-growing influence. Even though there was an alleged power struggle between "the Masons" and Opus Dei over control of the Vatican, whispers go that the true reason why the Vatican hesitated over Estermann's promotion is due to rumours of his homosexuality. This is also the opinion of "Vatican spymaster" Yvon Bertorello, who claims that Estermann had homosexual relationships with various other Swiss Guard members. Bertorello adds that Estermann and Tornay indeed had a homosexual relationship, even though Tornay, unmarried, was heterosexual. Bertorello notes that even the pope knew, and that it was indeed the pope who blocked the promotion: "But Cardinal Sodano lobbied and lobbied until he finally got what he wanted." (Follain, 2003, pp. 170-71)

Another Possible Scenario

The evidence suggests that Estermann and Tornay had a homosexual relationship. But other evidence—the second autopsy and the suicide note—also suggests that Tornay did not commit suicide, which suggests he did not kill Estermann and that Tornay was asked to spy on Estermann because of the latter's involvement with Opus Dei.

When asked about a motive for Estermann's murder, Monsignor Vladimir Felzmann, an ex-Opus Dei member, stated: "Estermann would be of great interest to Opus Dei... With Estermann in its grip, Opus Dei would be able to find out how the pope was, and who[m] he saw from day to day. [He] would be privy to quite a few secrets about the cardinals, their health, that kind of thing. And among the cardinals is John Paul's successor. Never forget that for Opus Dei knowledge is power. It would be able to get anyone into the Vatican; the guards wouldn't breathe a word. You have access, you have freedom." (Follain, 2003, p. 107)

Felzmann was also asked if Pope John Paul II was involved with Opus Dei. He replied: "Of course he is. In all sorts of ways... We used to bank with Banco Ambrosiano; I used to deposit money in our account

there. When the pope had to find two hundred million dollars that Calvi, 'God's Banker', owed the Vatican in 1982, Opus Dei came up with it. And at that time Opus Dei was made personal prelature. When the pope wanted a new spokesman, Opus Dei gave him Navarro-Valls. And all the time there is Opus Dei's hidden agenda, to grow and grow and grow. There are people in the Vatican who can't stand it, but that hasn't stopped Opus Dei from getting more and more powerful. Of course it would love an Opus Dei pope." (Follain, 2003, p. 110)

In an attempt to uncover the truth, we need to return to the prosecutor Ferdinando Imposimato. He argues that Estermann was instrumental in the 1981 assassination attempt, not because he allegedly protected the pope from dying but because he took part in its planning. Imposimato and Aŕca claim that the KGB was responsible for the assassination attempt, and that the KGB left it to its satellite states' intelligence agencies to work out the detail. Though the Bulgarians have often been singled out, it is clear that such an attempt would have involved rallying together all the assets which the

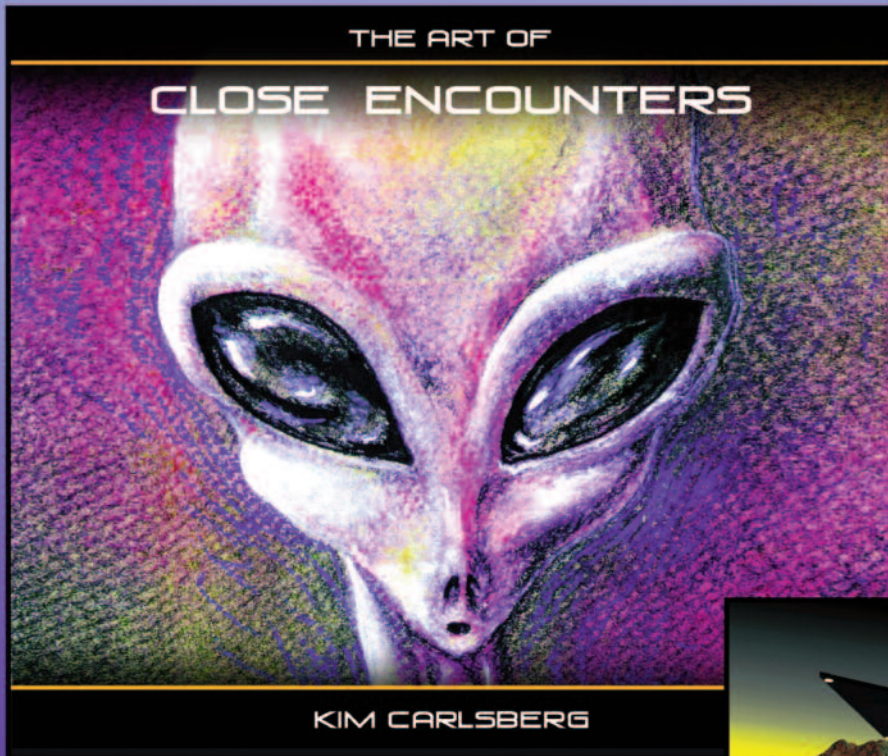
Soviet Bloc had in and near the Vatican. This would have included Estermann, who was on the Stasi's list of assets. Imposimato refers to Estermann as a "precious pawn" in the preparatory phase of the 13 May 1981 assassination attempt. If true, it puts Estermann's murder in a totally different framework and may also explain why Pope John Paul II blocked his promotion. Equally, it is

...it is clear that such an attempt would have involved rallying together all the assets which the Soviet Bloc had in and near the Vatican.

reported—and accepted—that Estermann's office had been burgled on a number of occasions. Each time, some files were removed but valuables were left in place. Estermann also apparently complained of being under surveillance; he had CCTV installed in all areas that fell under Swiss Guard control...and, if anything, it would be interesting to find out what precisely was recorded on the night of 4 May 1998.

The central question is whether Tornay found material about the Estermanns—not necessarily though possibly to do with Opus Dei—and that, as a result of this, all three had to be silenced so that "something" would not come out. If so, that "something" remains likely buried forever. But what has now become clear is that "murder-suicide" in the Vatican is far more interesting and important than the official version has led us to believe. Bringing it back to St Peter's Square and 13 May 1981, we can—and should—ask the question as to whether the Swiss Guard—or at least some or one of its members, like Estermann—"stood down" and, by doing so, enabled

Continued on page 83



Full color, 350 pg, coffee table book, 150 illustrated stories. Breath-taking, mind-altering, heart-warming.



A remarkable achievement!

– George Noory

Visually stunning, intellectually compelling, spiritually illuminating.

– R. Leo Sprinkle, Ph.D

Every contactee should have this book.

– Stephen Bassett

THE ART OF CLOSE ENCOUNTERS - HAS ARRIVED

After a 1988 close encounter in Malibu, California, Kim Carlsberg found herself in a shocking and inexplicable relationship with non-human entities. Carlsberg's journals became *Beyond My Wildest Dreams*, a book which still stands unique in the literature of alien abduction. The private response to her writings was intense in nature and vivid in detail.

Carlsberg's inspired invitation to participate in an encounter anthology gave others the opportunity to share their experiences. The result is a new milestone in the discourse of contact: *The Art of Close Encounters*.



TO ORDER, VISIT
www.nexusmagazine.com



MIKE MARCUM'S TIME MACHINE EXPERIMENTS

After electronics tinkerer Mike Marcum dived into the heat signature of his activated time machine, he woke up to find he had been teleported from Missouri to Ohio and had missed two years in the process.

by Jason Offutt © 2011

Post Office Box 501
Maryville, MO 64468, USA

Email:
jasonoffutt@hotmail.com

Blog:
www.from-the-shadows.blogspot.com

The machine, an array of wires attached to two vertical cylinders inside a rotating magnetic field, 3,000,000-volt arcs of electricity dancing through them, rose 35 feet above the floor of the Kansas City, Missouri, warehouse. Mike Marcum stood on a cherry picker 25 feet above the machine, staring into one of the cylinders at a four-foot-wide circular heat signature—an event horizon. He knew what that heat signature meant. He'd discovered it in the little northwestern Missouri town of Stanberry years earlier, and it was something that no one had found before. As the electric arcs crackled below him, he steadied himself, sweat beading on his face.

Marcum was certain he'd built a time machine. So certain, he took a breath and jumped into the heat signature. Then he disappeared. To everyone—family, friends and people who followed his time travel experiments on paranormal radio and in the mainstream press—on that day in 1998, Mike Marcum was gone. In 2011, I found him.

The First Test

Mike Marcum's story, for our purposes here, began four years earlier. Marcum, then a 21-year-old with two years of electrical training at Rio Grande College in Rio Grande, Ohio, followed a girl he'd met in 1993 in Lancaster, Ohio, to Albany, Missouri, a small community in the northwestern region of the state. "She made me promise to be there for her birthday," Marcum said. "I went and, long story short, I ended up staying there before getting my own place in Stanberry." Just south of Albany, Stanberry is neatly hidden under a canopy of tall leafy trees. A cannon sits in the city park, and the local convenience store sells gasoline, pizza and fishing worms. In 1994, Marcum moved into a trim white house at 401 East Third Street. In that little house, Marcum's time travel journey began.

In December, Marcum built a Jacob's ladder—a device that allows electricity to arc between two vertical metal rods. "I'm basically a nerd. I was making a fancy Jacob's ladder that was started via laser pulses. Basically, a fancy light show," Marcum said. "Living in a small town in the middle of nowhere with no Internet or cable, you get bored. Some people build models or go fishing. I like to build electronic things." But something happened that he didn't expect...something anomalous. The device created a ball of heat the size of a dime that floated steadily in the air above the ladder. "After a few pulses, the laser somehow got stuck in continuous mode," he said. "This in turn made the arc stick at the bottom of the electrodes. I noticed right above the arc there was the usual heat shimmering, but what was unusual about it was it was circular—sphere-shaped instead of random." Not knowing what to think, he picked up a screw from the kitchen table and tossed it into the tiny shimmering sphere. "It vanished, then reappeared a few feet away," Marcum said. "Then I thought,

'Okay, this is really odd.' I did it two more times to make sure I wasn't hallucinating." The same thing happened both times: the screw disappeared and silently reappeared a few feet away from the device sitting on his kitchen table. "About the time I thought, 'Damn, I gotta borrow a camcorder,' the laser burst into flames as it wasn't meant to be constantly on at the power I was running at," he said.

Marcum sat back and wondered what he had done. "At first I considered simple light-bending or invisibility," he said. "That idea was discarded after I realised that I would still hear [the screw drop] and it reappeared silent." He could only think of one other option. "Time warping was really the only possibility I could think of that fit the observations."

The Scaled-up Time Machine

Marcum had to try it again, but his second Jacob's ladder experiment wasn't confined to his kitchen table. "I decided, without much forethought, to scale this up about 100 times," he said. "And what followed is still all over the Internet and newspapers."

Marcum figured that if he had built a time machine, building another tabletop machine would be futile. He had to build something large enough to go through himself. "I decided to borrow...pole transformers from the power company in King City that were sitting outside a substation fence unused," he said. Although newspapers, in by what was now 1995, claimed that the transformers were behind a padlocked fence, Marcum said that isn't accurate. "I'd never be able to lift them over the fence—six of them, and they weighed 250 to 350 pounds each." Marcum got the transformers one by one to his little white house in Stanberry. Over the next few weeks, he hooked a few of them up. Sheriff's deputies arrested him soon after.

Gentry County Sheriff Eugene Lupfer remembers working on the incident. "He stole some transformers," Lupfer said. "He had them hooked up in his house and he was going to make a time machine." The transformers were each capable of producing anywhere from 12,000 to 76,000 volts—and when Marcum flipped the switch, the people of Stanberry knew something was wrong. "When he turned it on, the houses for blocks would go dim," Lupfer said.

Terry Raymond, Stanberry city manager and lifelong resident, worked in the city's utility department when Marcum made headlines across the country in 1995, and was one of the first people at Marcum's house. "Neighbours called it in. It's a wonder he hadn't blown

the whole block up. He had a transformer sitting right in his front room," Raymond said. "The one he was supposed to be building his time capsule with was right on the back porch. He had that Jacob's ladder hooked up." The house now sits empty and quiet at the corner of Elm and Third streets. Raymond said that Marcum might have been the last person to live there.

At the time of his arrest, Marcum was ready to start buying parts to build a new laser for the man-sized machine. "The power drains on the grid got their attention," Marcum said. "I was pretty sure I was headed for prison at this point. They asked me what I was doing with them after they saw the contraption, and I went ahead and told them what I was doing since I didn't think they'd take it seriously."

Some of the officers *did* take it seriously, and that night Mike Marcum's life began a ride of national publicity that still has life on the Internet. "Somehow

word got out to the AP wire that a Missouri guy was building a time machine," he said. "They were probably thinking before that I was just a typical thief out to make a quick buck from the copper in the transformers."

The Gentry County Sheriff's Department arrested Marcum on 29 January 1995 and charged him with a felony, according to the *St. Joseph News-Press*. Marcum pleaded guilty to stealing the transformers and received five years' probation. After two

months in jail for his crime, Marcum moved to nearby St Joseph. "I think he thought he could do it," Lupfer said. "He was smart. He wasn't a dumb guy. He just had this in his head and thought he could do it."

Pros and Cons of Publicity

During the time that Marcum served his two months in the Gentry County Jail, the Associated Press story of his arrest appeared in papers from the *Kansas City Star* to the *New York Times*. Television and radio stations interviewed Marcum about his time experiments. But it wasn't until he received a telephone call from syndicated radio host Art Bell, inviting him onto the late-night paranormal talk show *Coast to Coast AM*, that he gained true national attention. "How Art Bell found out was a few of his listeners from different parts of the country faxed him a few newspaper articles about me," Marcum said. "Before I was on, I'd never heard of Art Bell as I don't listen to much AM talk radio."

Marcum had moved to St Joseph to find a job after his release from jail because, as he said, there was "not much work in Stanberry, especially when you've been on TV and most think you're nuts". That's where Bell found him by telephone. "Basically he introduced himself and

The same thing happened both times: the screw disappeared and silently reappeared a few feet away from the device sitting on his kitchen table.

asked me if I wanted to be on his show," Marcum said. "At this point I'd already been on a few news shows and *A Current Affair Extra*, so figured why not do another? I had no idea his show was about ghosts, UFOs, Bigfoot, government conspiracies, etcetera." Art Bell, now retired from radio, said that his interviews with Marcum are among "the greatest" he ever did.

In St Joseph, Marcum began to rebuild the time machine—legally. It was here that he met and was befriended by St Joseph resident Claudia Sanderson. Marcum eventually showed Sanderson the new Jacob's ladder and other equipment in his apartment's kitchen.

"It was rather impressive, considering he made workable equipment out of spare parts from other items," Sanderson said. "He turned it on and it made the lights dim quite a bit." Then the accident occurred. "I crashed a chunk of the St Joseph power grid," Marcum said. "A power surge caused a transformer bushing to crack and short-circuit. If I recall right, 20,000 houses with no power. Luckily they chalked it up to the heat at the time, as I was still on probation and the probation officer would not have approved."

Fortunately the power outage couldn't be traced to Marcum, but the attention he received from Bell's listeners as a result of his March 1995 interview grew overwhelming. "I had to move from St Joseph because after giving my address on Art Bell I was losing sleep, literally," he said. "People were knocking on my door day and night wanting to time travel. You would not believe how difficult it is explaining this to people who show up at your door wanting to go back to avert some tragic event x number of years ago. People tend to get their knowledge from too much Hollywood and not enough libraries."

However, there was a benefit to this attention. Donations of money and equipment to continue his work began to flow in. "Before I moved [to Kansas City], I got some capacitors, heavy gauge cables and what not," he said. "Honestly, half of it I couldn't really use for my experiments but took it anyway as I didn't really wanna turn down a gift."

Marcum's landlord had evicted him soon after the power outage, and Marcum disappeared for a few months. According to a *New York Times* story of 8 December 1996: "In late September, Marcum vanished, and the *St. Joseph News-Press* chillingly reported that he'd been evicted from his apartment, allegedly for

transporting a cat 'a block away'. Marcum resurfaced last month, taking umbrage with 'the cat deal—it just ain't true'. As for his gizmo, he plans to test it as soon as he solves the sticky problems of controlling when and where it sends him. 'Right now,' he said, 'this would only make a good garbage disposal.'"

Marcum was interviewed again on Art Bell's show in December 1996, and said he was 30 days away from completing his new time machine. However, even with all the donations that he couldn't refuse, it wasn't until 1998 that he put his machine through its ultimate test.

Guinea Pigs as Guinea Pigs

One of the donations that Marcum received was warehouse space—so he wouldn't "blow up" his apartment. "That's how I was able to get this off the ground," he said. Marcum was given several tons of transformer laminations that he used for electromagnet cores, generators "so the KC Power & Light could breathe easier", liquid helium, cascaded transformers that he "used to make 3,000,000 volts...the list goes on". Although cash donations equalled around \$20,000, they paled in comparison to the value of donated equipment. "I'd guess if I bought it all myself it would run [into] several million dollars at least," Marcum said. "So I would have never been able to do this on my own, or at least certainly not in the two to three years up to the grand finale."

Marcum built his final machine high in the air inside that warehouse. "It was far from a simple Jacob's ladder at that point," he said. When he turned on his machine, the strange heat signature remained—but this time it was four feet across. Now he was ready to test it. "Nothing is 100 per cent certain, but I was over 95 per cent sure after a few weeks of guinea pig tests," he said. For the record, they were *actual* guinea pigs. Standing on the cherry picker high off the concrete floor, Marcum tossed his first guinea pig through the shimmering circle. It disappeared. He soon found it in the warehouse parking lot. Test after test found the guinea pigs he tossed into the heat signature wandering the parking lot, either east or west of the building but never north or south. Marcum wondered if this had something to do with the Earth's magnetic field. "Basically it was guinea pigs from inside the warehouse to the parking lot outside, right before I tried it myself," he said. "I never used larger animals, other than myself, as I didn't need people from

**Standing on the
cherry picker
high off the
concrete floor,
Marcum tossed his
first guinea pig
through the
shimmering circle.
It disappeared.
He soon found it
in the warehouse
parking lot.**

PETA and what not knocking on my door." The only failed test was a missing grapefruit.

It was 1998 by the time Marcum decided to try the machine himself. "My main concern was I'm bigger than a guinea pig," he said. "Though the animals always survived, I had no way of knowing what the long-term effects were since this had obviously never been done before and they couldn't tell me how much pain they felt, if any." Marcum wasn't concerned about the 3,000,000 volts of electricity crackling beneath him; he was concerned about the fall. If his jump failed, he would fall 60 feet to the concrete floor. "I was mostly worried that my mass would be too much to jump and I'd simply fall to the floor and break my legs or neck."

Could His Time Machine Work?

Northwest Missouri State University physics professor David Richardson, PhD, and physical chemistry professor Rick Toomey, PhD, both doubt the science behind Marcum's claims. "What he's basically produced is localised lightning," Richardson said. "It will produce heat but not enough in that localised area [to produce the heat signature Marcum claimed]." Another problem is that if this "localised lightning" produced a time vortex, these vortices would appear everywhere that lightning struck during a thunderstorm. "Any phenomenon he could create with a transformer could be created with every lightning strike," Toomey said. There are also no current theories in physics that involve electricity and time travel. "Nothing," Richardson said. "Absolutely nothing."

The main problem with Marcum's time machine, the professors said, is that it doesn't correspond with any current time travel theory. "All the potential time travel involves gravitational effects and really high speeds," Richardson said. "There's really no theory that includes electricity and gravity together." This, Toomey said, would be the Holy Grail of physics. Even if Marcum had found this Holy Grail, Toomey foresees other problems. "When you look at the equations, I don't know if a biological system could maintain its integrity," he said. "I just can't imagine your nervous system can go through that and survive." Marcum expressed the same sentiments to the *St. Joseph News-Press* in 1995: "With death a risk factor, I'm not ready to step into an electrically charged vortex," he said. "There's still some stuff I've got to iron out."

Neither Richardson nor Toomey thinks that time travel will be ironed out any time soon. "Sure we could wake up and time travel could be real," Toomey said, "[but] these discoveries are not going to happen in our lifetime. We'll all be long dead before that."

Marcum said he's heard this before. "I had a few inputs from a few career theoretical physicists that were listening to Art Bell's show and each told me something different," he said. "It was like getting a medical diagnosis from a doctor, then getting a second and third opinion and being told something else each time. Too many unknowns and too early in this line of work to be sure." Marcum likens time travel experimentation to building the first battery without knowing what it could do. "You have to discover [it] yourself and experiment to see what else electricity can do. Similar situation."

But Marcum didn't panic: he simply disappeared. "From my point of view, it was like getting hit with a flash-bang, a loud crack, thud and bright light to where you can't see, hear or walk well for several minutes..."

The Grand Finale

Marcum stood on the cherry picker in the Kansas City warehouse above his machine. Two cylinders, the outer made of 24 insulated rings, the inner constructed of grounded copper mesh, "acted as a strike point for the rotating electric field". He looked into the four-foot-wide shimmering wave 60 feet off the floor, and jumped. "The heat-signature event horizon was held in the centre of the inner cylinder, with jumping into it equalling jumping through a horizontal tube," Marcum said. "The inner cylinder was only about five feet in diameter, so I risked hitting it if I panicked in mid-air and missed the target. I'm not afraid of heights and it takes one heck of an amusement park ride to get my adrenaline pumping, but that was pretty spooky." That's because he didn't know if he'd be fried, crushed or pulled apart or if he'd materialise inside a solid object. But Marcum didn't panic: he simply disappeared. "From my point of view, it was like getting hit with a flash-bang, a loud crack, thud and bright light to where you can't see, hear or walk well for several minutes, but no permanent physical damage," he said. "I'm sure the people that donated the equipment were quite worried as it probably looked like I was exploded to pieces, just with no fleshy residue."

When Marcum regained his senses, he was in a farm field near Fairfield, Ohio, cold and hungry. "The first thing I did was start walking when I could, after freaking out once I realised I was in the middle of nowhere," he

Continued on page 84

Book + DVD by Steven Greer



CONTACT:

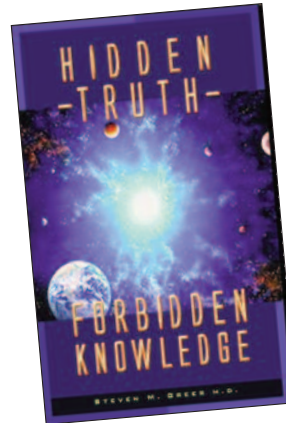
Countdown to
Transformation

by Steven M. Greer, MD

This book goes far beyond the usual accounting of objects seen in the sky and takes the reader into a universe of higher states of consciousness, remote viewing and direct Contact with civilizations that interface with thought and awareness as easily as we talk on cell phones. Journey with the CSETI team as they go beyond the veil of light and the resonant frequency of matter and enter into close contact with numerous ET civilizations who eagerly await the coming Transformation on Earth. The accompanying DVD shows the images, sights and sounds of Contact, as it has evolved over the past 17 years. You will learn how this Contact has been made - and how you, too, can become an Ambassador to the Universe!

ORDER AT
www.nexusmagazine.com

A Must Read!!



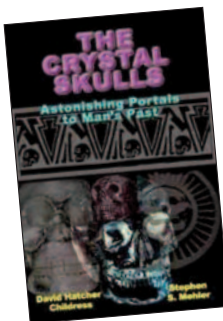
HIDDEN TRUTH:
FORBIDDEN
KNOWLEDGE

by Steven M. Greer MD

From his sighting of a UFO at an early age, to his amazing near-death experience at age 17, to his unraveling of the secret cabal running the illegal transnational energy and UFO - related projects, to his meetings with a CIA Director, US Senators, heads of state and royalty - you will be moved, shocked and enlightened as you read through this memoir. Journey with Dr Greer as he takes you into the corridors of secret power - beyond the government as we know it- to a shadowy cabal of power-mad controllers, and their hidden agenda.

ORDER AT
www.nexusmagazine.com

Crystal Skulls



THE CRYSTAL SKULLS
Astonishing Portals to
Man's Past

by David Hatcher Childress
and Stephen S. Mehler

Crystal skulls are one of the most intriguing enigmas in history, Archeology and metaphysical science. Does the fact that they are carved from crystal enable them to store information and interact with human thought waves? There is a lot of evidence to suggest this is so. Rogue archaeologist and explorer David Hatcher Childress introduces the technology and lore of crystals, and then plunges into a full-on search for the source of the crystal skulls. Eminent researcher Stephen Mehler shares his extensive knowledge of and experience with crystal skulls. Having been involved in the field since the 1980s, he has personally examined many of the most influential skulls.

ORDER AT
www.nexusmagazine.com

UFO DISCLOSURE



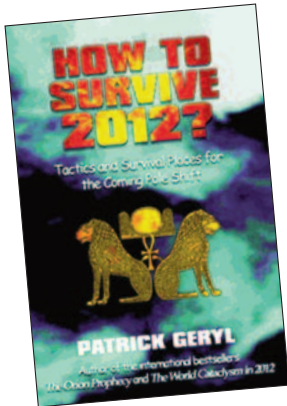
DISCLOSURE

by
Steven M. Greer MD

For the first time ever, over five dozen top-secret military, government, intelligence and corporate witnesses to secret projects tell their true stories which disclose the greatest covert program in world history. This explosive testimony by actual government insiders proves that UFOs are real, that some are of extraterrestrial origin and that super-secret programs have energy and propulsion technologies that will enable humanity to begin a new era.

ORDER AT
www.nexusmagazine.com

How to Survive 2012



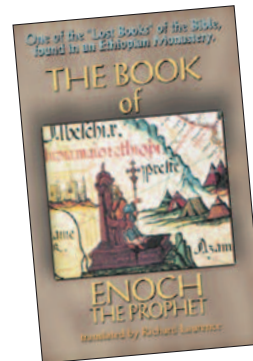
HOW TO SURVIVE 2012

by Patrick Geryl

Geryl urges mankind to prepare and endure. The outlook is bleak, but the obstacles are not insurmountable. In this book, Geryl provides the blueprint for those wishing to survive the disaster to prepare themselves and prevail. He explains in detail the myriad problems survivors will encounter, and the precautions that need to be taken to overcome them.

ORDER AT
www.nexusmagazine.com

The Book of Enoch the Prophet



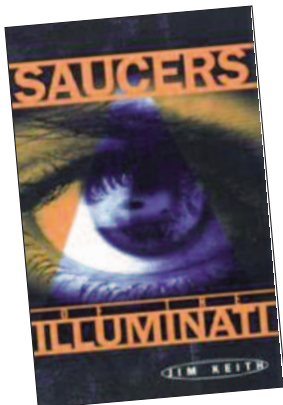
One of the Bible's most famous 'lost books'

translated by
Richard Laurence

One of the Bible's most famous "lost books, unearthed in Abyssinia (now Ethiopia) in 1773. Its themes include apocalyptic visions, the actions of angels and demons, the Messianic age, the New Jerusalem, the Resurrection and the Final Judgement. Enoch, the son of Cain, communicates with the "fallen ones", whose interference in human affairs resulted in the introduction of evil into the world, and more.

ORDER AT
www.nexusmagazine.com

LIMITED STOCKS



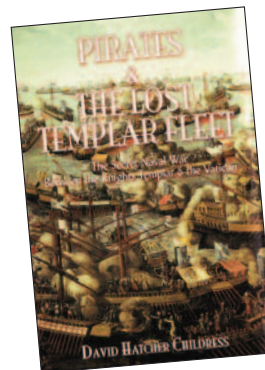
SAUCERS OF THE ILLUMINATI

By Jim Keith

As the 21st century approaches, many people suspect that something earth shattering is about to happen. While researchers have long suspected a conspiracy that controls and manipulates our understanding of UFO encounters, few factor in paranormal and occult connections that do not conform to standard interpretations. Jim Keith is also author of *Casebook on the Men in Black*, *Black Helicopters Over America*, *The Gemstone File* and more.

ORDER AT
www.nexusmagazine.com

Pirates & Templars



Pirates & The Lost Templar Fleet

The Secret Naval War Between the Templars & the Vatican

by David Hatcher Childress

Author Childress takes us into the fascinating world of maverick sea captains who were Knights Templars and later Scottish Rite Free Masons who battled the Vatican and the Spanish and Italian ships that sailed for the Pope. Later, this fleet of ships and new ones to come, flew the Skull and Cross Bones, the symbol of the Knights Templar. They preyed on the ships of the Vatican coming from the rich ports of the Americas and were ultimately known as the Pirates of the Caribbean.

ORDER AT
www.nexusmagazine.com



AUSTRALIA'S BIG-CAT MYSTERY

by Rebecca Lang and
Michael Williams © 2010-II

Helicopters hover noisily overhead, the occupants scanning the sheep-filled paddocks, undulating grassy terrain fringed with dark, forbidding bush.

On the ground, rangers comb the property, deep in the Victorian countryside. Their hand-held radios briefly crackle into life, sounding hard and scratchy amid the dull "thwock, thwock, thwock" of the helicopter blades above. State-of-the-art thermal imaging equipment throws up heat signatures of wildlife and livestock, transforming flesh and blood into blobby splashes of red with yellow-green haloes as the rangers scan the land for something large and out of place. Something alien and deadly. Something on a killing spree.

Hollywood couldn't have done it better. But this isn't an action sequence from some creature feature; these events actually took place in 1997 on a farm near

Woodside, a small town in Victoria's Gippsland, part of an effort by the state's Department of Sustainability and Environment (DSE) to deal with an unknown predator that had slaughtered more than 400 sheep in two years, each victim expertly despatched (and devoured) with the efficiency of a butcher.

DSE officials were stumped, and they were pulling out all stops to try to solve the mystery that had so far cost a Victorian farmer thousands of dollars in lost stock—and threatened the credibility of the department. Trapping, snaring and fur traps had all failed to reveal the true nature of the beast, so thermal imaging equipment was employed in an eleventh-hour bid to halt the stock losses. There was talk of wild dogs at the time, but none of the corpses bore the hallmarks of dog attacks. There was no mess and little blood, and most of the corpses were devoid of flesh with only head, hide and hooves left behind. It was, for the most part, a clean, clinical kill every time.

Just as unusual—and even more

disturbing—was the discovery early one morning of several sheep standing in a field, their faces mauled beyond recognition. They were still alive—just—but where a snout should have protruded from each woolly face there was now just a mass of red, shredded flesh and broken cartilage and bone.

The woman at the centre of the drama, sheep farmer Elizabeth Balderstone, was mystified as to what had attacked and killed hundreds of her sheep. "Over the two-and-a-half years, we've lost over 400 sheep," Ms Balderstone told ABC Radio (20 July 1999). "We have them badly mauled around the tail and still alive but will die within a couple of days, or mauled around the face when whole jawbones have been removed. Other times the sheep are killed and partially or totally eaten out, when there's just the fleece and bone skeleton left, and very little else."

Overshadowing the gruesome discoveries were sightings of two enormous cats on the property—one brown, the other black—by a local

dogger and the property's manager. Could these monster-sized moggies have been responsible for the carnage?

Just over 40 kilometres away, Bingenwarri dairy farmer Ron Jones was also starting to lose livestock to a mystery predator, as was his 82-year-old mother on a nearby farm. Today the skulls of bovine victims dangle from a tree on his property, a grim reminder of a predator that attacks under cover of darkness. Jones has seen the cat(s) countless times, even shooting at it with his .22-calibre Magnum rifle—a weapon he believes lacks the firepower to bring down an animal "the size of a golden retriever".

"I've had cattle taken within a hundred metres of the house," he told us in December 2000. "I've seen one at about 70 yards [~64 metres]... It was a big, fawny-coloured cat, which was nearly as high as a strainer post which was three-foot-six [~1.1 metres] high—it would have been about nine or 10 inches [~23–25 centimetres] wide across the chest."

Jones has assembled a grisly photo album of dead livestock from properties around the area to build a case for the existence of the large cats which he believes are

responsible for the strange stock deaths.

The scale of predation on his and neighbouring properties has raised eyebrows in government departments and prompted some investigation. In nearby Yarram, DSE employees filmed other strangely wounded livestock around the same period—cattle with their flanks raked by claws, their hides scarred.

So who or what was responsible for the carnage? And why have the experiences of three Victorian farmers been echoed all over the country?

Theories on How They Got Here

For almost 150 years, sightings of strange, cat-like creatures have been reported and documented across Australia. While predominantly described as resembling jet-black panthers or sandy-coloured pumas and lions, spotted and striped large cats have also been reported since white settlement. In their wake, they have left a trail of destruction. Mutilated cattle, sheep and family pets are a testament to the ruthless efficiency of these mystery predators, which occasionally leave behind large felid-like prints that further tantalise and torment their trackers.

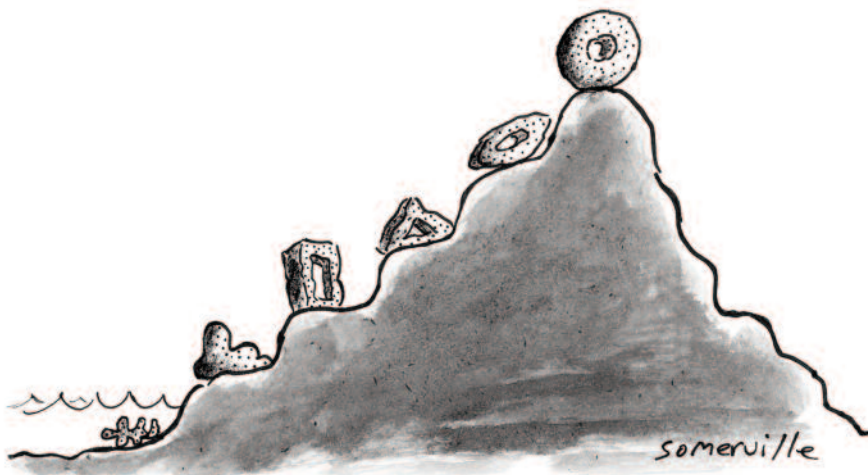
Where do they come from, and how did they get here?

Australia has never had an indigenous cat species—unless you count one prehistoric marsupial cousin. Tens of thousands of years ago, a deadly animal stalked the wilds of the Australian bush. *Thylacoleo carnifex*, "the flesh-eating pouched lion", was christened in 1859 by respected palaeontologist Professor Richard Owen, who declared it a carnivorous marsupial cat—a judgement that set him at odds with the palaeontology establishment.

Sporting blade-like teeth, *Thylacoleo* measured 1.5 metres in length and weighed about 120 kilograms. Its incredibly strong jaws and presumably feline stealth would have made it a formidable hunter during the Pleistocene. The creature became extinct about 40,000 years ago, leaving the Australian bush—and the nomadic Aboriginal tribes who inhabited the country at about the same time—relatively predator-free. But many wonder: did it truly die out?

Another strong contender in the debate is an animal that once ranged from the wilds of Indonesia and Papua New Guinea to right across the Australian mainland and down to Tasmania: the Tasmanian Tiger (*Thylacinus cynocephalus*). There are certainly some aspects of the witness descriptions that resonate with this species, now officially extinct. However, in the case of the so-called Queensland Tiger, the arboreal nature of this creature cited in many reports would appear to rule the *Thylacinus* out of contention—and if the sightings are to be given any credence at all, they may raise the spectre of an altogether new and hitherto unidentified marsupial species.

There is a rash of other theories about what these big cats are and how they might have got here. In



EVOLUTION OF THE DONUT

1788, the first British colonists set foot on Australian soil. These resourceful men, women and children quickly established themselves and introduced a range of animals once foreign to these shores, including rabbits, foxes and the first domestic—and soon-to-be-feral—cats. Could descendants of these small British cats (and perhaps those from Dutch shipwrecks) have morphed into the super-sized cats first spotted in the bush less than 100 years later?

In the 1850s and 1860s, gold fever gripped the nation. Prospectors flocked from as far away as China and America to the goldfields of Victoria and New South Wales in pursuit of instant wealth, some of them so intent on guarding their claims that they often took extraordinary precautions—including, it is believed, chaining pumas to their diggings. Are relatives of those gold-rush pumas on the loose in Australia's wilderness?

In 1876, the megacircus of Cooper, Bailey & Co. (precursor of the famous Barnum & Bailey Circus) came to Australian shores. The dazzling spectacle toured New South Wales and Victoria, and featured a swag of "alien" animals including jaguars, leopards, bears, tigers, hyenas, elephants, zebras, a hippopotamus, monkeys and camels. The presence of the large American circus with its extensive exotic menagerie no doubt inspired Australia's St Leon circus to add big cats to its line-up in 1882—the first travelling circus troupe in Australia to do so—enthraling audiences and becoming a major drawcard. However, circuses were not without problems, including frequent crashes *en route* and careless handling, often resulting in escapes. Are the descendants of circus escapees living and breeding in the bush?

Fast forward to the 1940s, a period of great disruption in Australia with American servicemen thick on the ground. When they weren't being despatched to war zones or romancing Australian women in crowded dance halls, it seems that, if folklore is to be believed, they were busy caring for exotic unit mascots—namely, "black panthers".

Did servicemen really keep wild cats as unit mascots? And, if so, once they got their marching orders and realised they couldn't take them

It is not unreasonable to suggest that something more than ancient trees might be lurking within that rugged landscape, some parts of which have yet to be explored by man.

into battle, did they release these same "panthers" into the wilderness rather than humanely put them down?

Finally, we have the growing menace of feral cats in the Australian bush. Domestic cats quickly got their claws into this country, rapidly spreading and establishing themselves across the continent. But are they now changing, mutating and growing to sizes far larger than has previously been expected of *Felis catus*, the domestic house cat? Could an evolutionary quirk be responsible for the hundreds of big-cat sightings around Australia?

Or might feral cats have crossed with Indonesian jungle cats from earlier Aboriginal-Indonesian interactions over thousands of years, creating genetically superior "monster cats" through hybrid vigour?

Recent Reports of Big Cats

Sightings of large cat-like animals, whatever their origin, appear to be on the rise in Australia's western and eastern states. In Western Australia in the late 1970s, the state government initiated an inquiry into spiralling reports of strange predation in the Cordering district. NSW has experienced a profusion of big-cat sightings in the Blue Mountains and Hawkesbury areas, so much so that the state government initiated two inquiries into the matter in 1999–2001 and 2008.

The wilderness of the Blue Mountains, west of Sydney, stretches over one million hectares. It is a vast landscape of sheer cliffs, swamps, rugged tablelands and deep, impenetrable valleys that harbour many secrets—including, in the Wollemi National Park, the recently rediscovered "living fossil", the Wollemi Pine. It is not unreasonable to suggest that something more than ancient trees might be lurking within that rugged landscape, some parts of which have yet to be explored by man.

On the western side of the Blue Mountains lies the small coal-mining town of Lithgow. On the morning of 9 May 2001, residents Gail and Wayne Pound were at home getting ready to go to work. It was about 7.00 am; Gail was getting dressed while Wayne was in the shower. Looking up, she spied a large feral cat in the scrub outside her bedroom window. However, it was the cat's much larger feline companion that caused her to do a double-take. "We were quite mesmerised," Gail told Channel Nine's *A Current Affair*, which went to air with the story the next evening. Added Wayne: "I got the binoculars and had a good look at it. And I was still looking at it and all of a sudden it got up and I said, 'No, hang on...that's a giant cat!', and

Gail yelled out, "That's a leopard!" I said, "No, hang on, that's a panther!"

Luckily for the Pounds, they had a video camera handy and managed to capture evidence of the cats' visitation, with a naked Wayne filming the feline pair for 15 minutes before the cats moved on. The footage caused a sensation after it was sold to Channel Nine and broadcast nationwide.

The New South Wales Department of Agriculture's exotic animal expert, Bill Atkinson, lent further weight to the footage: "That's a very big cat. I would say, by the size of it, it could be a panther," he told *A Current Affair*.

Strangely, nobody thought to reshoot footage in the same location, from the same distance with the same zoom, to provide a proper comparison and give some idea of scale. Another thing forgotten in the frenzy is that the video actually showed two cats—a large cat described as a "panther" and a smaller, domestic-looking cat. In the wild, a true big cat would likely eat its much smaller domesticated cousin.

Perhaps fittingly, given its suspected big-cat status, what happened next was nothing short of a circus. Amateur researchers and government employees descended on Lithgow to hunt for further evidence of the animal. Atkinson was the only one to conduct a conventional investigation by laying hair traps and examining scratch marks on an acacia tree and large droppings left nearby. Unfortunately, he came up empty-handed.

"The scratchings and ripped bark were about 1.5 metres high on the tree," Atkinson said at the time. "It is hard to believe a possum could have done that." (*Daily Telegraph*, 15 May 2001) Perhaps aware of how his remarks might be interpreted, he qualified them in a statement run soon after in the *Sydney Morning*

Herald: "[They] are interesting, considering where they are, but they may have been made with a blunt penknife."

The government investigation yielded nothing, but media coverage of the events in Lithgow triggered a wave of anecdotal reports from the public.

Cats the Size of Large Dogs

The Pounds' sighting was by no means the first for the township, and most likely not the last. For the past 20 years, big-cat reports have been something of a fixture in the *Lithgow Mercury*, according to editor Len

The Pounds' sighting was by no means the first for the township, and most likely not the last.

Ashworth, who has recorded many of the yarns himself. He's been with the newspaper for more than 50 years.

"I remember back when I was a young graded journalist, I was at the police station one morning when a person who was travelling through town came in in a state of distress and said he and his family had been frightened by a strange animal on a section of the highway near South Bowenfels," Ashworth recalls.

"He said he had turned off into a side track off the highway below the Hassans Walls escarpment to answer a call of nature. When he got out of the car he heard a loud growling noise and saw a large cat-like animal... That was about 40 years ago. The police went down there with him and he pointed out the area. The track led up to the vicinity

of a small mining operation. The police noted a strange smell there and found a pile of animal bones."

Police have logged their own sightings, with two officers relating how they nearly ran over large black cats the size of dogs in the early hours of the morning on local roads. Senior Constable Paul Semmut remembers his sighting in August 2004 vividly (*Lithgow Mercury*, 26 August 2004):

"It was on Scenic Hill, on Chifley Road, on the eastern side of the War Memorial [about 2.00 am]. I was driving by myself and I almost ran over the thing; it was pretty close. It was about a metre long and had black, silky fur...the way it ran off, it looked like a cat. My first reaction was it was a damn big cat.

"We have had call-outs in the same area—I've heard of three myself, mostly shift-workers coming home from work. It's nothing of a police nature, so we don't really worry about it; there's just the interest factor. If we did go out, we would probably get in touch with the council ranger of the National Parks and Wildlife Service and report it. I've always been a real sceptic about these reports, but now I'm a believer."

Back in Gippsland, the mystery of the slaughtered livestock remains unsolved. Big black and brown cats are still seen slipping between the shadows near roads and across paddocks. And animals are still dying in savage and unusual circumstances. ∞

About the Authors:

Journalist Rebecca Lang and researcher/writer Michael Williams are the authors of *Australian Big Cats* (Strange Nation Publishing, Hazelbrook, NSW, 2010; reviewed in NEXUS 18/04). This article is an edited extract from their book. Websites: www.australianbigcats.com.au and <http://www.strangenation.com.au>.

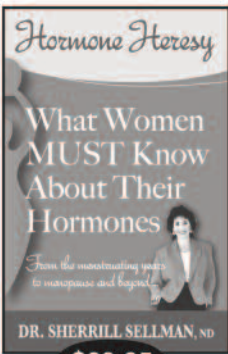
Dr. Sherrill Sellman

Back by popular demand!



KEYNOTE SPEAKER Nexus Conference 2011

Joshua Books are proud to release Dr. Sherrill Sellman's new book, *HORMONE HERESY - What Women MUST Know About Their Hormones*.



\$29.95

This book challenges the very foundational beliefs that have shaped women's understanding and perception of their bodies and hormonal cycles. An outstanding guide to enlighten all women with truthful information, practical knowledge and lifestyle solutions for major health issues that women encounter through their life's journey.

Dr. Sellman, Naturopathic Doctor and Board Certified in Integrative Medicine, is an educator, women's natural health expert, best-selling author and journalist in the field of health for both men and women. She is also a much sought after international lecturer, radio host, senior editor and contributing writer to numerous health publications.

P&H - \$8 per book OR \$12 for 2 or more
TO ORDER PHONE 1300 888 221
 OR send Cheque or Money Order to
Joshua Books
 PO BOX 1668, BUDDINA 4575 QLD.

Joshua Books
 Shop online at
JoshuaBooks.com

HOW TO QUICKLY PINPOINT HARMFUL RADIATION HOTSPOTS ANYWHERE

Would you put your child in a microwave oven? How about yourself?

Minimise long-term cumulative exposure to man-made radiation and its possible carcinogenic consequences to cell health. Compare homes, rooms, computers and appliances before buying to avoid the stronger emitters. Save your family from years of high exposure. Simple solutions are at hand once your meter pinpoints locations of radiation hotspots.

Immediately make invisible radiation visible with your handheld, portable gauss meter to detect the dangerous hotspots. Quickly locate microwave radiation (RF) emitted from wireless devices and ElectroMagnetic Frequency (EMF) radiation emitted from electrical fields.

Use your radiation meter to zero in on high microwave strength of mobile and cordless phones and leaky microwave ovens. Check every WiFi and electrical device in range and rooms near a meter box. Find unusual radiation hotspots or neighbours devices radiating through walls. Sweep the home, workplace, vehicle, school and public places such as libraries and airports to detect zones to avoid and where to safely spend time.

The CellSensor Meter is for near-field radiation from mobile and cordless phones, bedside and electrical appliances and machinery, computers, WiFi devices, games consoles, inside vehicles and aircraft.

The TriField Meter is for further afield radiation, electrical appliances, fluorescent lighting, floor heating, electrical pylons and mobile phone/TV/radio towers. **CALL TODAY TO HAVE YOUR OWN METER.**



CellSensor and TriField handheld radiation pollution meters



Self-adhesive WaveShield mobile and cordless phone radiation shields

RADIATION RESCUE

TAKE BACK CONTROL

Phone 1300 436 628 www.RadiationRescue.com.au

Free Energy Research



THE FREE ENERGY DEVICE HANDBOOK A Compilation of Patents and Reports

edited by David Hatcher Childress

A large-format compilation of various patents, papers, descriptions and diagrams concerning free-energy devices and systems. *The Free-Energy Device Handbook* is a visual tool for experimenters and researchers into magnetic motors and other over-unity devices. With chapters on the Adams Motor, the Hans Coler Generator, cold fusion, superconductors, N-machines, space-energy generators, Nikola Tesla, T. Townsend Brown, and the latest in free-energy devices. Packed with photos, technical diagrams, patents and fascinating information, this book belongs on every science shelf.

ORDER AT
www.nexusmagazine.com

THOMAS ANDERSON'S CLASSIFIED BOOK SERIES

The Books that the Government, Banks and Corporations don't want you to see...



BOOK ONE



BOOK TWO



BOOK THREE

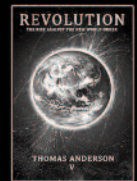


BOOK 8 COMING SOON!

Don't miss out on the explosive final book in the series!



BOOK FOUR



BOOK FIVE



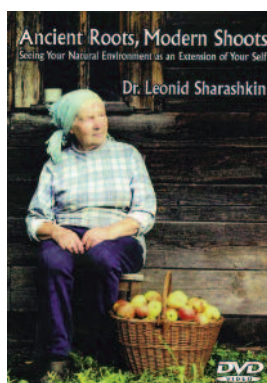
BOOK SIX/SEVEN

ARE YOU PREPARED FOR THE TRUTH?

Contact Kerriane: classifiedbook@gmail.com for details or visit

www.theclassifiedfiles.com

Ancient Roots, Modern Shoots



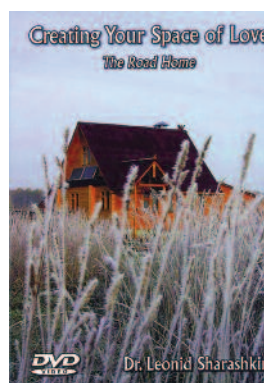
“Seeing Your Natural Environment as an Extension of Your Self”. Presentation by Leonid Sharashkin, editor of The Ringing Cedars Series of books.

Reconnecting to Nature Through Spiritual Permaculture



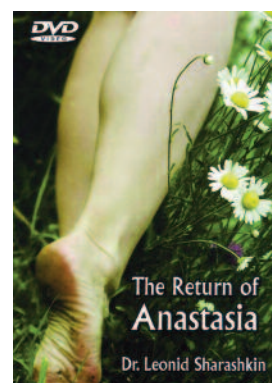
This presentation by Leonid Sharashkin reveals the potential of Russia’s permaculture gardening movement to change our world.

Creating Your Space of Love: The Road Home



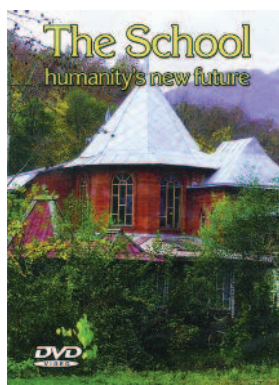
Family domain and eco-village planning, presented by Leonid Sharashkin as part of a two-day intensive workshop in Byron Bay.

The Return of Anastasia



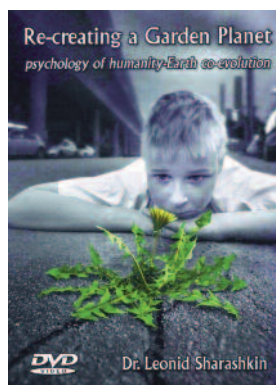
Leonid Sharashkin explains the spiritual, cultural and economic significance of the Russian *dacha* gardening movement.

The School: Humanity's New Future



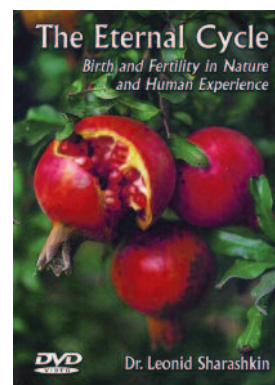
At this school, the children have designed, built and decorated their own campus.

Recreating A Garden Planet



Psychology of Humanity-Earth Co-evolution. Presented by Leonid Sharashkin.

The Eternal Cycle



Fertility and Birth in Nature and Human Experience. Presented by Leonid Sharashkin.

RINGING CEDARS DVDs

Order online at www.nexusmagazine.com



REVIEWS

BOOKS

Reviewed by Ruth Parnell

DIRTY ELECTRICITY

by Samuel Milham, MD, MPH

Rising Star/iUniverse, IN, USA, 2010

ISBN 978-1-4502-3821-2 (104pp tpb)

Available: www.iuniverse.com

Medical epidemiologist and public health specialist Samuel Milham, MD, MPH, has made some major breakthroughs in his time. In 2001, Dr Milham (retired) and Eric Ossiander published their paper on US childhood leukaemia mortality for 1920–1960, finding a 24 per cent increase in mortality for every 10 per cent increase in the percentage of homes connected to electricity and thus prone to EMF emissions. They also found a strong positive correlation between residential electrification and mortality for some adult cancers in the 1930 and 1940s statistics and in subsequent studies.

In 2005, Dr Milham teamed up with retired electronics engineer Lloyd Morgan to research a cancer cluster among teachers at a Californian middle school. They identified the culprit as "dirty electricity"—high-frequency voltage transients, which are believed to be carcinogenic. Their study, published in 2008, also

showed the value of a plug-in filter, developed by Professor Martin Graham and Dave Stetzer, which can eliminate these voltage transients.

Somewhat of a crusader who's gone against establishment thinking in linking electricity and EM fields with "diseases of civilisation", Dr Milham inspires action for safety measures.

DISCONNECT

by Devra Davis, PhD, MPH

Dutton/Penguin, New York, 2010

ISBN 978-0-525-95194-0 (274pp hc)

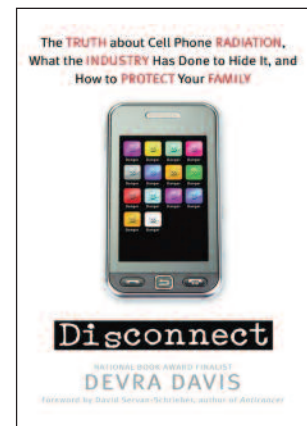
Available: www.penguin.com

It was only seven years ago that toxicologist Dr Devra Davis had an inkling of the dangers of cellphone/mobile phone radiation and belatedly set out to investigate them. She was astonished to find a link between cellphone use and brain tumours, as well as a "disconnect" between new scientific findings—building on decades-old research into the dangers of RF radiation, radar and microwaves—and the widespread uptake of high-tech smart phones.

The author of *The Secret History of the War on Cancer* (see 16/01), Dr Davis is very concerned that children, whose brains are still developing up to age twenty-five, are increasingly being exposed to radiation that penetrates further into their brains than it does

in adults and can also cause DNA damage, brain lesions, neurological diseases and reduced sperm count or infertility. Radiation emission standards have barely been upgraded since the early 1990s, she laments, and the most recent 3G phones are proving to be even bigger emitters of radiation than their earlier cousins.

Dr Davis consulted specialists in the field, including scientists who revealed disturbing discoveries about mobile phone dangers—only to be levelled with fraud charges by their industry-funded superiors or to lose their funding or their jobs. In view of these findings and in the face of this "new global scourge", she gives solid advice on how we can minimise the impacts from mobile phone use (visit her website www.devradavis.com).



EMF Meter!

It's so easy to use! Take Unlimited EMF (Electro Magnetic Field) readings at home, office, school – anywhere!

- Made in USA, High Quality, Reliable, Accurate and Inexpensive.
- All Nexus customers will receive a free stress relief relaxation audio program www.destress.com.au.
- Great Value! EMF Meter only \$95

Order both products now from 0263355216 or online at

www.emfmeter.com.au

(Prices include GST & Delivery within Australia)



And Dog Dazer!

Electronic Dog Repellent!

Reduce the chance of dog attack! Simply press and point the Dazer at the dog.

- Ideal for joggers, walkers, postmen, cyclists, the elderly, meter readers, service engineers and sales people – anyone worried about dogs.
- Does not harm the dog - or I would not offer it for sale!
- high frequency sound
- heard only by dogs
- latest ultrasonic device
- hand held
- lightweight
- compact, stylish.

At only \$98, the Dazer gives you peace of mind when you walk about!



REVIEWS



SLAYING THE SKY DRAGON: Death of the Greenhouse Gas Theory by Sky Dragon Slayers

Stairway Press, WA, USA, 2011
ISBN 978-0-9827734-0-6 (352pp tpb)
Available: www.StairwayPress.com

The greenhouse effect and anthropogenic global warming are exposed in *Slaying the Sky Dragon* as being impossible. This collaborative volume contains hard science to refute the orthodox view but is still accessible to the lay reader, even with copious graphs and a few equations.

The eight contributors are: science writer Alan Siddons; climatologist Dr Tim Ball; ex-US Navy meteorologist Dr Martin Hertzberg; retired analytical chemist Hans Schreuder; retired engineer/climate writer Joe Olson; mathematician Dr Claes Johnson; materials physicist Dr Charles Anderson; and legal analyst/writer John O'Sullivan.

Among their findings: that back-radiating trace gases cannot make the Earth's surface any warmer than solar energy makes it; that radiative physics models employ a blackbody "sphere" that cannot possibly mimic the real Earth; that much climate data is flawed, incomplete or tampered with; and that carbon dioxide has no climate forcing effect. The authors bring to the table their

considerable expertise to overturn the consensus view of the IPCC, the UK Climatic Research Unit, the US EPA, NASA and many universities and laboratories, and give reason to question government moves to put a price on carbon. Indeed, the advice in *Slaying the Sky Dragon* is to prepare for imminent global cooling, not warming. This wide-ranging analysis deserves urgent attention.

THE HEALING CODE by Alexander Loyd, PhD, and Ben Johnson, MD

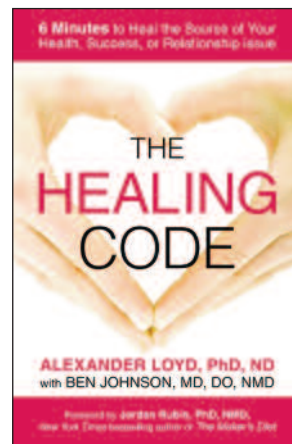
Hodder & Stoughton, UK, 2011
ISBN 978-1-444-72771-5 (300pp tpb)
Available: www.thehealingcodes.com;
www.hodder.co.uk

Imagine being able to resolve physical problems and emotional issues with some quick exercises and directed attention. A special Healing Code, described here, is able to treat the spiritual source of a problem that involves destructive cellular memories/images and unhealthy beliefs. It can heal the memory pictures in the heart, removing the emotional intensity although not the images themselves.

In this technique, requiring six minutes' practice three times a day, you position your fingertips near four energy-healing centres of the head,

focus on your feelings and/or unhealthy beliefs and access your memory finder. The neuro-immune system takes over the job of healing what are ultimately stress conditions.

The code was discovered in 2001 by naturopath/psychologist Alex Loyd, PhD, when he was trying to cure his wife of her long-term depression. His co-author, Ben Johnson, MD, overcame Lou Gehrig's disease (ALS) using the technique. Their book contains glowing testimonials from clients who've healed physical and emotional problems and settled issues to do with relationships and success. It also explains the secrets to life, health and prosperity, and shows quick ways to defuse daily stress. The techniques are changing thousands of lives for the better.



ATLAS RECONNECT



PRE TREATMENT



POST TREATMENT

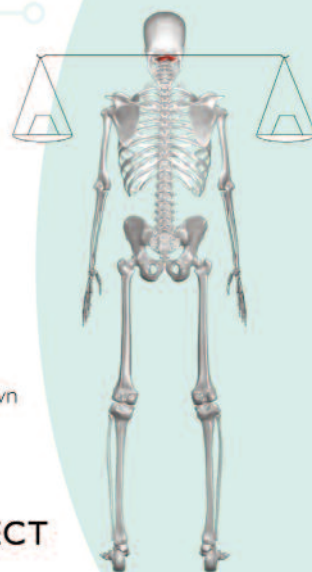
THE ATLAS RECONNECT TEAM CAN HELP YOU TACKLE AN ARRAY OF MEDICAL CONDITIONS. THESE INCLUDE:

Back problems • A stiff neck • Migraines and headaches • Anxiety and depression • Blood pressure – hypertension • Displaced pelvis • Knee pain, Frozen shoulders, Whiplash • Muscle contractions • Chronic fatigue • Balance problem • Tinnitus, Slipped disc • Scoliosis • Shoulder pain • Trapped nerves.

Once your Atlas is in place, your healing processes will start. It's not unknown for our clients to feel a sudden rush of euphoria as long-forgotten neural pathways reconnect.

CONTACT - E: info@atlasreconnect.com
Ph: 1300ATLAS1 - 1300285271

ATLAS RECONNECT
www.atlasreconnect.com





REVIEWS

TASTING THE UNIVERSE

by Maureen Seaberg

New Page Books, NJ, USA, 2011
ISBN 978-1-60163-159-6 (286pp tpb)
Available: www.NewPageBooks.com

Since the rise of the Internet, synaesthesia—the phenomenon of blending of the senses—has become better known and thousands of synaesthetes are fearlessly sharing their stories. In her marvellous book encapsulating anecdotal evidence, scientific findings and consciousness research, New York journalist Maureen Seaberg, herself a synaesthete, explores the world of synaesthesia where musical notes and letters of the alphabet can be perceived as colours and even shapes, forms, textures and tastes.

One of Seaberg's interviewees, the violin virtuoso Itzhak Perlman, admits that music as he perceives it contains all these attributes. Another, Sir Robert Cailliau, PhD, a co-inventor of the World Wide Web, chose the "w" letter because he sees it as green, his favourite colour, but he regards the phenomenon as a glitch in the brain's hard-wiring. Yet it's also a very emotional phenomenon.

In her extensive research, Seaberg learned that synaesthesia is as much as eight times more common in creative people, and that the brain

areas involved in colour are next to, if not continuous with, the areas devoted to form and texture. She has also benefited from her association with Tibet House, where Director of East-West Research Dr William C. Bushell, the author of the book's foreword, compares synaesthesia with the Buddhist "mind sense". Others, like "Piano Man" Billy Joel, appreciate their gift but don't want to demystify it lest the mystery disappear. Seaberg wonders whether synaesthesia may be "a perfect looking-glass into the quantum realm". All this and more, no doubt.

THE DEJA VU ENIGMA

by Marie D. Jones and Larry Flaxman

New Page Books, NJ, USA, 2010
ISBN 978-1-60163-104-6 (245pp tpb)
Available: www.NewPageBooks.com

The phenomenon of *déjà vu*—the sense of "remembering" an experience or situation that has never occurred—knows no boundaries to do with age, race, culture or religion. As Marie Jones and Larry Flaxman, co-authors of several books and founders of ParaExplorers.com discover, there are various scientific explanations for this common yet spooky experience, from short-term memory short-circuits to neuro-physiological disorders and "pre-

vision sensory input". A search into metaphysical realms and the latest in quantum physics and consciousness research reveals other possibilities including interaction with parallel dimensions and the zero-point field.

The authors investigate laboratory research into triggering the brain, and the use of hypnosis to re-create that "been there, done that" feeling. However, there are spin-offs in the journey that take in an exploration of memory and time perception. So their gamut also includes lucid dreaming, time slips and mind trips, hallucinations and religious visions, multiple personality disorders, the intuitive mind, voodoo curses, the power of suggestion, demonic possession and more! The inner universe is full of anomalies.



**NUTRITION
BEYOND**

"PRIMUM
EST
NIL
NOCERE"

**THE TOTAL APPROACH:
COMBINING SCIENCE & NATURE, EAST & WEST**

Cutting-Edge in Prostate Cancer Diagnostics & Nutritional Medicine

PCA3, world's first commercially available totally non-invasive genetics test for Prostate Cancer (PCa). **NOW available nationwide!** Far more accurate & reliable than the needle-biopsy. NO more extensive bleeding, pain, high infection risks & most importantly, **missed cancers!** IF you have PCa, your result will tell us how advanced it is. IF you don't, you **DO NOT** have to subject yourself to an unnecessary biopsy: it's **NOT** a "walk in the park" & has a documented 25-35% inherent margin of error (false negative) – in terms of **human life**, this is **NOT** acceptable! **E.U. Regulation-Approved (CE Mark)** in Nov. 2006. For more details, ring Dr.L.Macloud, B.Sc. (1st.Class Hons.), M.Sc., Ph.D, one of the world's PCA3 experts. More info: www.pca3.org/public/experts/australia/lone-macloud
Tel: 02 4342 0125 Mob: 0414 675 384 E: lonesky1@yahoo.com.au



How Healthy is Your Environment?

Introducing memon® technology.

memon® is a complete range of energetic transformers which act to restore your environment to its natural state. memon® was invented over 20 years ago in Germany and now available in Australia.



Products for all applications: There are memon® products for; mobile phones and laptops, vehicles, trucks and boats, drinking water, pools and spas, homes and offices. The combi transformer is FOUR products in one, neutralizing EMF, RF and geopathic stresses, as well as restore negative ion flow.



Simple installation: No tools or trades people required, all memon® products can be fitted in seconds.

Independently tested: All memon® technology has been independently tested by research laboratories and government agencies across Europe and America. **All tests have shown dramatic improvements.**



More information:

- For your complimentary memon® revolution DVD
- A compilation disk of case studies, test results and testimonials
- To arrange a no obligation inspection at your home or office, or
- Details on becoming a memon® distributor or sales agent.

Visit us:

www.yourenvironment.net.au

Or contact Chris:

support@yourenvironment.net.au

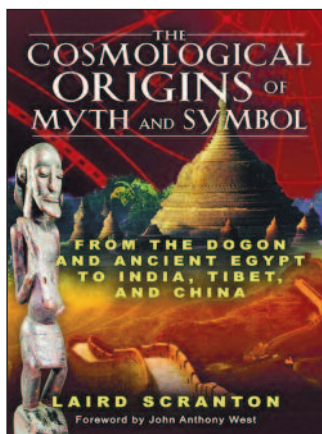
REVIEWS



THE COSMOLOGICAL ORIGINS OF MYTH AND SYMBOL

by Laird Scranton

Inner Traditions, VT, USA, 2010
ISBN 978-1-59477-376-1 (208pp tpb)
Available: www.InnerTraditions.com



Taking up from where he left off with *Sacred Symbols of the Dogon* (see review, 15/02), software designer and mythologist Laird Scranton develops his argument that the creation myths of many ancient cultures are based on a common parent cosmology that incorporates a plan for the civilisation of humanity as well as a template for language. He rejects the theory of polygenesis—that cultures of similar levels of development and with access to comparable tools will tend to create similar forms—because it doesn't explain symbolic connections, and he dismisses Jung's theory of archetypes which holds that symbolic forms are "hardwired" into the psyche and transmitted via the collective subconscious mind.

The task of comparative cosmology, Scranton says, is to determine the similarities and differences in themes, concepts and symbols, in the definitions and shapes of words, and in the names, titles and roles of deities and their interrelationships. By working with these key elements, an implied parent cosmology can likely be reconstructed. Scranton compares African Dogon esoteric traditions with ancient Egyptian and ancient Buddhist systems of knowledge in his search for the

"signature elements" of the parent cosmology. He has discovered another culture with parallels: the Na-khi-Dongba, whose ancient Chinese/Tibetan hieroglyphic language and texts, also preserved by a priestly sect, describe similar concepts of creation and cosmology. Both the Dogon and the Dongba, still extant, credit honoured ancestor-teachers with passing on organising, civilising skills to their tribes.

So while Scranton considers that these four cultures received the legacy of an instructing source, he's still undecided as to its identity. An inspiring journey through cosmology.

PLANETARY INFLUENCES

Buryl Payne, PhD

CreateSpace, USA, 2011
ISBN 978-1-4609-7274-8 (138pp l/f tpb)
Available: www.buryl.com

Buryl Payne, PhD, is a psychologist and physicist who has made significant discoveries about the biofield and the spin force of everything from particles to planets (see article, 15/04). An observer of the effects of alignments, he makes planetary movements come alive with his Dynamic Solar System software.

Dr Payne has discovered that when the Earth is conjunct Jupiter, the Sun produces more sunspots and we experience warmer-than-average temperatures; when the Earth is aligned with Pluto, we have cooler temperatures. He's also found that Venus, particularly if our Moon is closely aligned, can cause earthquakes when conjunct Earth.

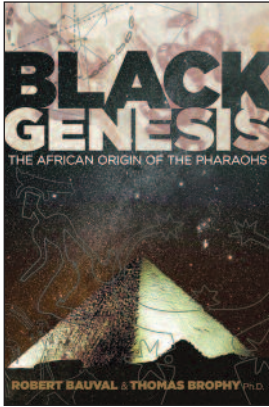
Knowing the times when Earth may come under stress is helpful in planning global meditations, and, indeed, Dr Payne regards his Global Meditation Project as the most important experiment of his life. He's not alone in his stance that less than one per cent of the population can temporarily reduce both solar and geomagnetic activity, thereby helping promote peaceful conditions on Earth. Visit www.buryl.com to find out more about linking in with love.



REVIEWS

BLACK GENESIS

by Robert Bauval & Thomas Brophy
Bear & Company, Rochester, USA, 2011
ISBN 978-1-59143-114-5 (356pp tpb)
Available: BearandCompanyBooks.com



Egyptian civilisation was sparked by black Africans from the mountains of northern Chad and Sudan, conclude Egyptologist Robert Bauval (*The Orion Mystery*, 2/25; *The Egypt Code*, 16/02) and astrophysicist Thomas Brophy, PhD. The idea that the original pre-pharaonic Egyptians were black has been pilloried by orthodox scientists for generations, but it's been given credence by genetic evidence and the mid-20th-century findings of Senegalese anthropologist/radiocarbon physicist Cheikh Anta Diop, among others.

Influenced, too, by climate science discoveries, Bauval and Brophy believe that these black cattle-herders first entered the Sahara around 12,000 BC during a humid climatic phase. Over thousands of years, these herders left marks of their presence in rock-art galleries and trade routes in the southwestern regions such as Gilf Kebir and Uwainat, and in calendar circles, astronomically aligned stones and ritual sites (including buried sacred cow sculptures) in the dry-lake area of Nabta Playa in the east, though still west of the Nile. When the Egyptian Sahara became drier c. 5000 BCE, these people began moving out and by 3500 BCE had settled in the Nile Valley and mingled with the local "primitive" population.

The tales of the authors' 2008 expedition and of explorers in the past century add to the enticing read.

SCATTERED SKELETONS IN OUR CLOSET

by Karen Mutton

Adventures Unlimited Press, USA, 2011
ISBN 978-1-935487-41-8 (229pp tpb)
Avail: adventuresunlimitedpress.com

None of the existing paradigms about humanity's extreme past fits comfortably with physical anthropology researcher Karen Mutton. That applies to Darwinian evolution, creationism and its intelligent design offshoot, Hindu/Vedic creationism (as put forward by Dr Michael Cremo in *Forbidden Archeology*) and even the alien intervention theory proposed by, among others, author Lloyd Pye (custodian of the "Starchild skull").

To start, Mutton overviews competing theories on human origins, clarifying the latest on classification issues, dating techniques and the Out of Africa and Out of Asia hypotheses as well as hoaxes and fakes on the part of both evolutionists and creationists. She says that her purpose is to highlight anomalous findings in the evolutionary paradigm as applied to human physical development. In the section "The Tangled Tree of Evolution", Mutton discusses the controversies over *Australopithecus*, *Homo habilis*, *Homo erectus* and Neanderthals as well as archaic species such as *Homo sapiens idaltu*.

In support of her argument for a redefined paradigm, Mutton looks into out-of-place-and-time remains, e.g., anatomically modern humans found in ancient strata and evidence for Caucasians in prehistoric China. To complete her "skeletons in the closet" coverage, Mutton examines strange skulls (among them the Starchild skull), ancient pygmies including the Flores "Hobbit", and evidence, legends and hoaxes to do with giants. An engrossing analysis.



HOMEGUARD WATER FILTER

PROTECT YOU AND YOUR FAMILY FROM UNWANTED ADDITIVES IN YOUR WATER.

HOMEGUARD:
WHOLE OF HOUSE WATER FILTER

- INEXPENSIVE TO INSTALL AND MAINTAIN
- EVERY TAP AND SHOWER IN THE HOUSE PROVIDED WITH CLEAN AND SAFE WATER
- NEVER BUY BOTTLED WATER AGAIN
- MODELS SUITABLE FOR TOWN OR TANK WATER

REMOVES:

- Fluoride and chlorine
- Recycled Water Contaminants
- Household & industrial Chemicals and Solvents
- Pharmaceutical Drugs, Hormones, pesticides
- Giardia and Cryptosporidium
- Chlorine By- Products, Toxins and much more that may be harming your family!

PLEASE RING JIM ATKINSON ON
07 5449 1424 OR EMAIL

jim@aquafiltercorp.com.au
FOR MORE INFORMATION AND
PROFESSIONAL ADVICE.

Trisha McCagh's Animal Talk



WANT TO KNOW WHAT YOUR ANIMALS ARE THINKING AND FEELING?
WANT TO LEARN THE SILENT LANGUAGE OF ANIMALS?

2-day introductory workshops.

VENUE: Gold Coast DATE: September 10/11
VENUE: Sydney DATE: September 17/18
VENUE: Melbourne DATE: September 24/25

Private Consultations Available

Communicate with domestic and wild animals



For further details & bookings - see website

0419 999 407 Trisha's Book Now Available

www.trishamccaghsanimaltalk.com

REVIEWS

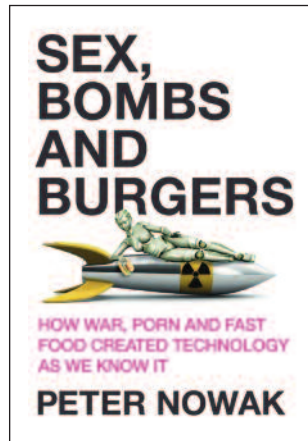


SEX, BOMBS AND BURGERS

by Peter Nowak

Allen & Unwin, London, Sydney, 2010
ISBN 978-1-74237-431-4 (364pp tpb)

Available: www.atlantic-books.co.uk;
www.allenandunwin.com



Sex, war and food, not necessarily in that order, are the three most basic instincts of the human race, says technology writer/reporter Peter Nowak. He argues that our three basic obsessions have driven the major technological advances since at least the end of World War II.

To the military-industrial complex along with industrialised agriculture can be added the smaller-scale yet incredibly profitable pornography industry which, in turn, has expanded due in part to technical innovation ultimately sourced from the military. The food corporations and the fast-food industry thrive on being able to produce consumables at a rapid pace, but only because they're enabled by purpose-built, adaptable technology that also has its roots in military innovations; for example, pressurised water/microwave cooking and automated fry dispenser baskets.

But it's not all bad: innovations from the Defense Advanced Research Projects Agency (DARPA) as well as the adult film industry have led to the creation of robotic, mind-controlled limbs, and technological advances in the food industry have resulted in stricter quality-control regulations. And we wouldn't have Google Earth without having military

satellite technology first, would we?

Nowak is convinced that the technologies of sex, war and fast food will continue to shape our world.

AMERICA'S NAZI SECRET

by John Loftus

Trine Day, Oregon, USA, 2011
ISBN 978-1-936296-04-0 (332pp tpb)

Available: www.TrineDay.com

Before publication of his 1982 book *The Belarus Secret*, former US Department of Justice (DoJ) prosecutor John Loftus had to get permission from his superiors, and even then he had to have substantial sections redacted. Now he's no longer bound by government review and he can reveal the damning sections that were removed. *America's Nazi Secret* includes a reprint of the 1982 book plus a comprehensive introduction including a copy of his lengthy 1994 letter to the CIA's Director of Information Management about the agency's "lost" Nazi files.

Over 30 years ago, Loftus had access to secret DoJ files on thousands of Nazi war criminals allowed to migrate illegally to the USA. Loftus (see NEXUS 12/06) charges that the DoJ sponsored these migrations and covered them up from other intelligence agencies. He later learned of the complicity of SOD, the Special Operations Detachment of the Office of Policy Coordination, in screening files before giving them, if at all, to other agencies. His own DoJ division, the Office of Special Investigations (OSI), and the FBI were calling the shots—probably to the tune of the same influential families who funded Hitler—and running informants in their anti-Soviet guerrilla and propaganda war.

Loftus also found out that the same cabal allowed the immigration of significant numbers of the Muslim Brotherhood, the original Arab-Nazi network, to foment terror on US soil.

Perhaps time is up for the DoJ's corporate-led corruption, and Loftus says that, while it may be too late for justice, it is not too late for the truth.

Nikola Tesla

PRODIGAL GENIUS The Life of Nikola Tesla

by John J. O'Neill

This is a definitive biography of the man without whom modern civilization would not exist. It contains many rare photographs of Tesla and his most advanced inventions. Tesla could see an invention in 3-D, from every angle, within his mind, before it was built • how he refused to accept the Nobel Prize • why Tesla clung to his theories of electricity in the face of opposition • his friendships with Mark Twain, George Westinghouse and competition with Thomas Edison.

ORDER AT
www.nexusmagazine.com



REVIEWS

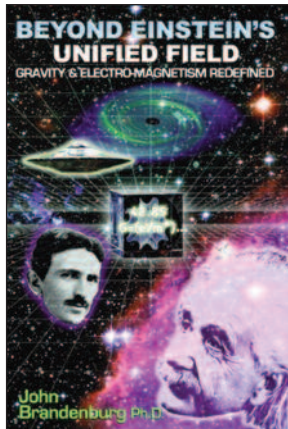
BEYOND EINSTEIN'S UNIFIED FIELD

by John Brandenburg, PhD

Adventures Unlimited Press, USA, 2011

ISBN 978-1-935487-42-5 (335pp tpb)

Avail: adventuresunlimitedpress.com



Einstein tried for decades to unify gravity and electromagnetism (GEM), but without success. Now, plasma physicist Dr John Brandenburg (*Life and Death on Mars*, 18/03) thinks he's found the missing link that vindicates Einstein's dedication and corrects the errors in his details where he was focused on the cosmic at the expense of the subatomic. One of the keys to his hypothesis is that electromagnetism comprises *three* forces.

According to the GEM theory, electromagnetism and gravity operate with respect to the Poynting vector, the third EM force of radiation pressure—the pressure exerted by light. It points in the direction of a light beam's path; and when it encounters an electron or a proton, it affects it as a combination of electric and magnetic fields. Dr Brandenburg suggests that the GEM theory unifies the great energy scales of the Planck scale and the cosmic scale with the middle scale of atoms and subatomic particles that underlie reality.

Inspired also by the work of Nikola Tesla (who helped inform Einstein in his unification studies) and by the mysterious number 42.8503, Dr Brandenburg suggests that electromagnetism can control space-

time geometry and that faster-than-light antigravity travel utilising a Tesla vortex technology is not so far-fetched. Visionary material.

UFOs AND THE EXTRATERRESTRIAL MESSAGE

by Richard Lawrence

CICO Books, London, New York, 2010

ISBN 978-1-907030-15-4 (186pp tpb)

Available: www.cicobooks.com

While not a definitive account of UFO sightings and government cover-ups, this new book from UK ufologist Richard Lawrence does provide a succinct summary of some key UFO events and ET contacts of the last 60 years and also reveals records of such matters from ancient cultures, the Bible and Renaissance art, among other sources.

Lawrence, executive secretary of the Aetherius Society in Europe, has over 35 years' experience in the field, and his focus here is more to do with what kind of ETs are interacting with our world, why, and what plans they have in store. The contacts that he describes, many of them going back to the 1950s, have deep spiritual aspects and messages about the need for us to learn to live in harmony with nature and each other.

Lawrence acknowledges the contributions of contactees such as George Adamski, Dan Fry, Dr Frank Stranges and Sir Peter Horsley, but his main inspiration is his close friend Dr George King (1919–1997), a yogic adept and mystic who in 1954 was contacted telepathically by interdimensional beings and told that he was to become "the voice of Interplanetary Parliament" (see *Contacts with the Gods from Space* by King and Lawrence, reviewed in 4/01).

Continuing Dr King's mission for the Cosmic Masters, Lawrence says that to fulfil our roles we must journey towards higher levels of vibration and consciousness and work in service for world peace and the greater good. We can't become cosmic citizens unless we do. Important messages for our times.

TRANSDERMAL MAGNESIUM

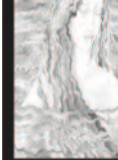
No digestion required!
Just relax, sit back, replenish



Magnesium Chloride Hexahydrate $MgCl_2 \cdot 6H_2O$

Pure salt water source (sodium removed) from
Tibetan Plateau 3,200m above sea level™

Elektra **MAGNESIUM**
Oil / Cream / Flakes



Retail / Wholesale

(07) 5533 1088

www.ElektraLife.com

Do You Know How To Protect Yourself From the Effects of Electromagnetic Radiation?

Fatigue, Reduced Immunity to
Illness, Tiredness, Disturbed Vision,
Headaches, Muscle Weakness...



If not, then our patented,
scientifically designed and
tested microcrystalline
SHIELDS are for **YOU!**

Our range of **SHIELDS** help
reduce the harmful side effects
of **EMR** and support you in all
areas of your life...

PhoneShield – mobile phones, smartphones

Wi-FiShield – computers, wi-fi connections

BodyShield – personal protection 24/7

HomeShield – round the clock protection for all

They are easily fitted, safe for all the family,
long lasting, never need replacing

To **ORDER** these **essentials** in helping to
maintain good health, go to

www.bioenergeticsaustralia.com.au

or call us on **0425 062929**

**Are You Prepared To Put The
Current And Future Health Of
Yourself And Family At Risk?**

BIOENERGETICS
AUSTRALIA

REVIEWS



DVDs

Compiled by Duncan Roads

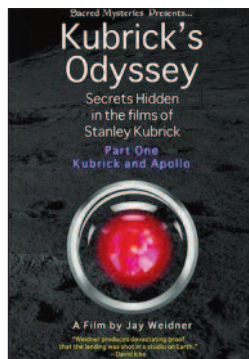
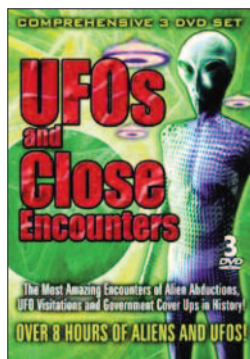
FOOD, INC.

A Robert Kenner Film © 2008

Available: <http://foodincmovie.com>

Filmmaker Robert Kenner lifts the veil on the American food industry, exposing the highly mechanised underbelly that has been hidden from the consumer with the consent of the government's regulatory agencies.

The food supply is now controlled by a handful of corporations that often put profit ahead of consumer health, the livelihood of farmers and the safety of workers and the environment. We have bigger-breasted chickens, perfect pork chops, herbicide-resistant soybean seeds, and tomatoes that won't go bad. But we also have new strains of *E. coli*—the bacterium that causes illness for an estimated 73,000 Americans annually. We are riddled with widespread obesity, particularly among children, and an epidemic level of diabetes among adults.



UFOs AND CLOSE ENCOUNTERS

Reality Films © 2011

Avail: www.reality-entertainment.com

This three-DVD boxed set focuses on alien abductions, UFO visitations and government cover-ups. Special coverage includes:

- the truth about alien implants;
- Travis Walton's abduction story;
- the case of Billy Meier, the Swiss

farmer in contact with aliens;

- ancient archaeology, including the myth and mystery of Planet X;
- memories of alien encounters revealed via hypnotherapy;
- crop circle mysteries;
- real biological evidence from an ET abduction experience;
- Australian UFO encounters;
- alien intervention in our origins.

This is a comprehensive collection in the UFO documentary field.

KUBRICK'S ODYSSEY

Secrets Hidden in the Films of Stanley Kubrick

Part 1: Kubrick and *Apollo*

A Film by Jay Weidner © 2011

Available: www.sacredmysteries.com

Famed film director Stanley Kubrick embedded secret knowledge in his work, according to this new documentary series. The director of such films as 2001: A Space Odyssey, A Clockwork Orange, The Shining and Eyes Wide Shut, Kubrick apparently hid secret symbols and anecdotes in his films that tell a far different story from what the films appear to be saying.

Jay Weidner presents compelling evidence of how Kubrick supposedly directed the *Apollo* Moon landings, and reveals that "2001" was a research and development project that assisted Kubrick in the creation of the *Apollo* Moon footage.

Also in part one, Weidner explores Kubrick's film *The Shining* and shows that it's actually the story of Kubrick's personal travails as he secretly worked on the *Apollo* footage for NASA. A fascinating film.

RADIO OUT THERE

Internet radio for the mind.

Covering everything from the spiritual and alternative to the paranormal.

Presented by Barry Eaton, author of "*Afterlife - Uncovering The Secrets of Life After Death*".

Listen on www.RadioOutThere.com or download

Intense transformational energies are sweeping the Earth

Natural Energy Healing

the most ancient form of healing

can help to adapt to the intense frequencies of this time of rapid changes and to stay balanced and grounded. Natural healing is meant for animals too...

Contact:
naturalhealing@anotherparadigm.com
www.anotherparadigm.com



REVIEWS

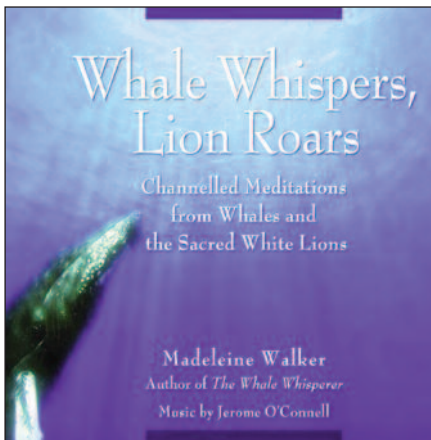
MUSIC

Reviewed by Richard Giles

WHALE WHISPERS, LION ROARS by Madeleine Walker

Findhorn Press, UK, 2011 (69mins)
Distributors: **Aust**—Brumby Books & Music, tel (03) 9761 5535; **UK**—Findhorn Press, tel +44 1309 690 582, www.findhornpress.com

Madeleine Walker's new book *The Whale Whisperer* comes with this CD of meditations. She is one of the world's leading animal intuitives and healers, and here she combines beautiful music and animal sounds into four full meditations of Whale, Lion, Nagwal and Earth. Madeleine received wisdom messages from the whales and sacred white lions to empower us to bring healing to the Earth. She's accompanied by human musician Jerome O'Connell. The fourth track, "The Whale Merkabah", I found the most powerful.



LARU BEYA

by Aurelio

Real World Records, UK, 2011 (47mins)
Distributors: **Australia**—The Planet Company, tel (02) 9283 8250; **UK**—Real World Records, tel (0)20 7498 5252, www.realworldrecords.com; stonetreerecords.com

The Garifuna music of Central America came to the fore in the world music scene with the work of Andy Palacio from Belize. He died suddenly in 2008, and this album is a

tribute to him and his great talent. His legacy continues in the work of Aurelio Martinez, singer-songwriter, guitarist and traditional drummer, who featured on Palacio's hit album *Watina*. This release flows between lilting, languid songs and sudden bursts of energy, with laments on the horrors of slavery days. With vocal backing from Garifuna women and also Senegal's Youssou N'Dour with members of Orchestra Baobab, *Laru Beya* promises to be one of the best albums of the year.

REVOLVE

by La Cherga

Asphalt Tango Records, 2011 (50mins)
Distributors: **Aust**—The Planet Co.; **Germany**—Asphalt Tango, tel +49 (0)30 285 8528, www.asphalt-tango.de

Asphalt Tango Records (NEXUS A17/02, 17/03) presents the crazy sounds of the Balkans with a high-powered band of wind and brass playing intense riffs and drum-backed Eastern European jazz-groove mixes with brass, dub, drum percussion, electronica, funk, soul and pop. The music is influenced by Macedonian, Bosnian, Croatian and even Jamaican traditions. Groundbreaking swing.

PRANA GROOVE

by Stevin McNamara

Sounds True, USA, 2011 (66mins)
Distributors: **Aust**—Brumby Books & Music; **USA**—Sounds True, tel 1800 333 9185, www.soundstrue.com

Stevin McNamara is acclaimed for his western-style interpretations of northern Indian classical music. On *Prana Groove*, his fifth album, he entrances with his signature acoustic sound, flowing freely with soft percussion. It's a journey broken into three movements, and it features guitar, *dilruba* (a cross between the sarangi and the sitar) and *tambura* (the traditional Indian droning instrument). The percussion array includes *dholak*, *tabla*, *djembe*, frame drum, *riq* (tambourine), bells, shakers and cymbals. Great music for yoga or relaxation movement.



FREE CD, valued at \$37,
and Special Report Reveal...

"How to Meditate INSTANTLY!"

If you'd like to meditate as deeply (actually more deeply) than a Zen monk, literally at the touch of a button, this may be one of the most important messages you will ever read. Here is why...

Based in part on Nobel Prize-winning research on how "complex systems" (human beings, for instance) evolve to higher levels of functioning, a mental improvement program has been created utilising a powerful audio technology called Holosync®.

A precise combination of audio signals gives the brain a very specific stimulus that creates states of *deep* meditation — and causes the creation of new *mind-enhancing* neural connections between left and right brain hemispheres.

Now a New CD and Report Reveal ...

- The scientific evidence proving how Holosync® increases the production in the brain of many vital neuro-chemicals that can slow ageing.
- How to achieve super-deep meditation, at the touch of a button.
- How to dramatically reduce stress.
- How to create remarkable emotional changes at the deepest level.
- How to improve your emotional health.
- How to heighten your creativity and problem solving ability.
- How to have more restful sleep.
- How to boost your intelligence.
- How to increase your focus, concentration and learning ability.
- How to enhance your memory.
- How to increase your motivation and confidence.
- How to have more happiness and "flow" in your life.
- How to heal emotional blocks.

The complete report on this amazing new technology and Holosync® CD, worth \$37, are FREE to Nexus readers for a limited time.

**Call NOW for your
FREE CD and special
report (24 hrs, 7 days) on
Freecall 1800 70 70 47
www.meditate.com.au**

NEXUS CONFERENCE

July 23rd to 25th

2011

DVDs

available by October

60 to 90 min. DVDs: \$35 each *includes delivery within Australia*

order direct through **NEXUS Magazine**

post, phone, fax or online orders: www.nexusmagazine.com

SPECIAL BOXED SET - All 15 Conference DVDs for only \$350 (includes postage within Australia)

- 1 • *Dangers of Dirty Electricity and Electromagnetic Fields*** - David Stetzer (USA) explains how to detect, measure and neutralise high-frequency voltage transients (dirty electricity) and EM fields.
 - 2 • *Remote Viewing, Psychokinetics and Luck Cycles*** - James F. Coyle (Vanuatu) Author of *Beyond Belief* divulges the secrets of mind-power technology, including remote influencing and out-of-body experiences.
 - 3 • *ESP, Mind Control and the New Alchemical Paradigm*** - Dr Richard A. Miller (USA) Physicist and alchemist behind the holographic reality model, expands on ESP and mind-control research.
 - 4 • *Time-Travelling Extraterrestrials and Self-Activating Machines*** - Linda Moulton Howe (USA) reports on UFO cover-ups, ET time travellers harvesting our genetic material, and self-activating symbols & machines.
 - 5 • *UFO Mystery and Conspiracy in Suburban Melbourne*** - Shane Ryan (Australia) introduces his film about the 1966 incident at Westall, where hundreds witnessed a UFO land and take off at incredible speed.
 - 6 • *The New Scientific Renaissance and Our Survival Blueprint*** - Robert Pope (Australia) Professor welcomes the new era of an ethical, holographic, fractal life-science that's an essential blueprint for human survival.
 - 7 • *Sacred Geometry, Consciousness and the Universal Order*** - Jonathan Quintin (New Zealand) demonstrates how sacred geometry unites all forms of life and can attune human consciousness in harmony...
 - 8 • *Space Weapons Treaty and the Cosmic Cultural Connection*** - Dr Carol Rosin (USA) shares her action plan for a ban on space-based weapons and her knowledge of cosmic cultures.
 - 9 • *Life After Death, Life Before Life, and Past Life Recall*** - Barry Eaton (Australia) Radio presenter, author & psychic, tackles the age-old questions of what happens when we die and what we may find on the other side.
 - 10 • *Natural Solutions for Weight Loss and Great Health*** - Sherrill Sellman (USA) brings us the latest research on balancing our hormones and metabolism and losing weight using time-tested protocols.
 - 11 • *Standing Up to the Assault on Our Health Freedom*** - Meryl Dorey (Australia) exposes how governments are eroding our freedom of choice in areas from alternative health to vaccination.
 - 12 • *Prophecies and Illustrations of Benjamín Parravicini*** - Flor Amanowicz (Australia) ET contactee highlights the diverse prophecies of the Argentinian clairvoyant and his interactions with "astronavigator" beings.
 - 13 • *The CHANI Project & other High-Level Plans for Humanity's Spiritual Awakening*** - "Acolyte" (South Africa) Former intelligence think-tank insider presents insights on future events and on moves to raise our spiritual awareness.
 - 14 • *Conversations with Aliens on Our History and Future*** - Alec Newald (New Zealand) Abductee releases information withheld from his book *CoEvolution* that his ET hosts said would be significant for us now.
 - 15 • *Cosmic Coincidences and Expectations for 2012*** - Pane Andov (Australia) links coming planetary and cosmic alignments with changes in human consciousness as we approach the close of the current Great Cycle.
- **SUMMARY HIGHLIGHTS** of the 3 day conference (*approx. 5 min. of each presentation*) DVD only \$45

order through: **NEXUS Magazine, PO Box 30, Mapleton, Queensland 4560**

Tel: (07) 5442 9280 / Fax: (07) 5442 9381 / www.nexusmagazine.com

Technocracy, Carbon Currency and Smart Grids

Continued from page 32

As it states on its Smart Grid website, the IEEE has staked its claim, in clear language, on the global energy initiative:

"There's no global organization to oversee all nations' energy systems transformations—it is a vast movement and it's in its infancy. With our 38 societies and seven councils IEEE is positioned to lead the smart grid initiative. Through them and our 395,000 members, who work in the world's academic, government and private sectors, IEEE touches virtually every aspect of the smart grid.

"We leverage our strong foundation and inclusive collaboration to evolve standards, share best practices, publish developments and provide related educational offerings to further the smart grid. We are at the forefront of advancing technology and facilitating successful deployments throughout the world.

"Working hand in hand with other

leading organizations to create one set of standards for the smart grid is the way we can ensure success."

IEEE's bravado is not unwarranted. It truly is the *only* global organisation capable of such a monumental task. When given the challenge to unify the global energy network, 395,000 engineers should be enough to complete the mission!

Conclusion

Technocracy is a collectivist, utopian political-economic system run by engineers, scientists and technicians. It has the potential to be far more oppressive and controlling than communism, socialism or fascism. Smart Grid is born out of Technocracy, and not the other way around.

It is not clear who will oversee any or all facets of the Global Smart Grid. The implied suggestion is that it will be the same engineers and global corporations that are currently developing it.

With the global groundswell of

activity to create the Global Smart Grid, it is doubtful that the initiative can be stopped, especially since it is so closely intertwined with the global warming movement and, hence, with sustainable development and even the United Nations' Agenda 21 program. ∞

About the Author:

Patrick M. Wood is the editor of *The August Review*, an Internet-based research centre focusing on the global elite, especially the Trilateral Commission, and *The August Forecast and Review*, which analyses global economic markets and political events. For more information, <http://www.augustreview.com>.

Editor's Note:

Due to space constraints we are unable to publish the complete versions of Patrick Wood's three articles, "Carbon Currency" (26 January 2010), "Smart Grid" (2 March 2010) and "Technocracy Endgame" (23 June 2011). To view these and the accompanying references, go to <http://www.augustreview.com>.

WATER OZONATOR

Designed to freshly ozonate a glass of drinking water

Ozone is nature's purifier

Enjoy the fresh taste and benefits of added oxygen

Contact: NTP Health Products
E: marketing@ntphealthproducts.com
T: 1800 225500

START BUILDING YOUR FUTURE NOW!

Business Opportunity with a patented, breakthrough botanical that releases adult stem cells in the body to promote optimal wellness. **Independent Distributors are the ONLY SOURCE for StemEnhance**



Janet Brien 0433 111 742
Marita Mason 07 412 88234



HYDROGEN PEROXIDE (FOOD GRADE)

FOR FARM AND GARDEN

20 LITRE DRUM

SPECIAL PRICE: \$220.00 (incl GST) PLUS FREIGHT

Contact: NTP HEALTH PRODUCTS
PHONE: 02 4997 2530
E: mail@ntphealthproducts.com

No more embarrassing smelly gases

Black zinger cleans and reconditions your colon

BLACK ZINGER

Roasted Brown Rice Drink
T: 02 49684825
or 07 41595647
www.blackzinger.com.au



Stocktake Sale

NOW ONLY

\$29.95 per pack

Slashed from \$49.95

Instant Cure of the Common Cold

Continued from page 39

The traditional way of reducing the lactose content of milk products is by fermenting with lactic-acid bacteria. This converts part of the lactose to lactic acid. The increasing acidity now precipitates most of the protein, mainly casein, which forms into curd on top and clear watery whey underneath the curd. The whey contains most of the remaining lactose, together with some dissolved whey protein and the growth factor IGF-1—implicated as a promoter of tumour growth, and especially of hormone-sensitive tumours (e.g., of the breast, ovary, uterus, prostate).

If the curd is well drained and preferably pressed down, then it contains very little lactose and IGF-1, as in cheese and fermented cottage cheese, generally called quark. However, in Anglo-Saxon countries, commercial cottage cheese is not fermented and is often made from

skim milk and therefore has a higher lactose content. There is no problem in using skim milk or skim-milk powder when making properly fermented quark. Even commercial yogurt may be made "safe" by fermenting it at home in a yogurt-maker until curd and whey separate, and then using only the pressed curd or quark.

While animal milk is the highest food source of galactose, there are also some other somewhat surprising sources, as can be seen in Table 2. These may perhaps explain the incidence of colds in societies that are not normally using milk products, although western-style processed food containing lactose now seems to be used worldwide.

There is also the possibility that other factors may predispose us to catching a cold by providing a suitable breeding ground for the rhinovirus. A possible candidate is the combination of over-acid tissue

and lymph fluid with sensitivity to fungi or moulds. This should be addressed if we want to improve our health. Nevertheless, I am confident that for most individuals in western societies, the key to the prevention of the common cold and related diseases is avoiding mucic acid formation through the tight control of lactose ingestion. ∞

About the Author:

Walter Last is a retired biochemist, research chemist, nutritionist and natural therapist who has worked in Germany, the USA, New Zealand and Australia, where he is now based. He has written numerous health-related journal articles and several books. To obtain presently available books including *Heal Yourself the Natural Way*, go to www.the-heal-yourself-series.com.

Walter Last is a regular contributor to NEXUS, his most recent articles being "Is Alzheimer's Disease Caused by Paracetamol?" (18/02) and "Proof that Cancer Surgery Increases Mortality" (17/05). Visit his website www.health-science-spirit.com.

The Bion Ring

Electro-magnetic Protection

- The Bion Ring, based on the design of an ancient ring discovered in the Valley of the Kings in Egypt in 1860
- thought to have originated in Atlantis
- utilizes geometric forms placed and balanced to a lost system of ancient knowledge.
- The Bion Ring tunes the wearer's subtle energy fields creating a powerful barrier against electro-magnetic, psychic and other stressors



Original ring
-a copy of the original ring was worn by Howard Carter during his excavations of King Tut's tomb



Bion ring design voted most potent human energy assist by one of Europe's leading health/consciousness magazines

THE BION RING: REDUCED STRESS, RAPID HEALING, EMOTIONAL BALANCE, ENHANCED MIND FUNCTION AND JOY OF LIFE!



recommended by health professionals

Kinesiology, EAV, pulse diagnosis, Kirlian and now new remarkable daylight photography confirm the Bion technologies to be potent bio-resonance tools promoting rapid healing, and consciousness activation/protection



The Bion Pendant

THE BION PENDANT: ADDITIONAL PROTECTION AND CAN BE WORN ON ITS OWN OR WITH THE BION RING FOR MAXIMUM EFFECT, AS WELL AS FOR AMPLIFYING THE PROPERTIES OF HEALING GEMS SET WITHIN IT.

Bion pendant with keshi pearl
Bion pendant with ruby and keshi pearl

Actual unretouched photo showing invisible to the eye Bion geometries



Bion ring kirlian photo

LIFE FORCE SUBTLE ENERGY TECHNOLOGIES

Bion ring in pure silver: \$175
Bion pendant (22ct gold/pure silver): \$350
Please add \$10 shipping per order.
Please send money order to: Life Force S.E.T
Box 916, Byron Bay, NSW, 2481, Australia
Or order online with credit card from:
www.visionutopian.com.au
ph. 0412-317421 email: mark@lis.net.au

Power Struggles and Murders in the Vatican

Continued from page 57

Ağca to fire a salvo of bullets so that all of them could reach the pope rather than a Swiss Guard throwing himself in their flight path. It would bring great irony to the "error" made by Navarro-Valls in saying that Estermann had shielded the pope, whereas he might actually have left the pope exposed to the bullets.

Critics of this line of reasoning point out that it nevertheless does not make any sense that a guilty Estermann would be promoted to commandant of the Swiss Guard. But the fact of the matter is that no one within the Vatican would have known that Estermann had stood down. The only people who would know this would be people who knew that Estermann was a Stasi asset and perhaps had even been told to stand down, or people like Tornay who had investigated Estermann.

To use up our quota of questions without firm answers, we fire our final salvo by asking whether Estermann was killed by someone who knew what had really happened on 13 May 1981 and decided that enough was enough. Though a firm answer cannot be given to the question posed, it can be pointed out that it is specifically Ağca who claims that Estermann's murder is connected with the papal assassination attempt—and no one can doubt his credentials on *that* subject.

Equally, in his briefing, Ağca would have been told whether or not members of the Swiss Guard would stand down—knowledge which would have allowed him to shoot the pope more easily.

Today, the murder of Alois Estermann continues to be the subject of intense intrigue and speculation. For the Vatican, it is officially a crime of passion. It is known that Tornay had investigated the new head of the Swiss Guard as part of an inquiry into the power of Opus Dei within the walls of the Vatican. As soon as Estermann was promoted, he, his wife and Tornay were dead. Is it possible that Tornay discovered something about Estermann which had to be kept still at all costs—but which, with Estermann in his new position, would soon rise to the surface? If so, it meant that someone went to the remarkable extent of committing three murders in the Vatican. As the evidence shows, that someone was not Tornay. ∞

About the Author:

Philip Coppens, who divides his time between the UK and California, USA, is a long-time contributor to NEXUS. His most recent article, "The Knights of the Extreme Right", was published in vol. 18, no. 2, February–March 2011. For more information, visit his website <http://www.philipcoppens.com>.



OCCULT KNOWLEDGE & TRUTH

An announcement for genuine seekers only

If you wish to study the
Ancient Mystery Teachings
in their entirety as never before
revealed, please write to:

IRS, Dalton House, 60 Windsor Avenue
London SW19 2RR, UK

www.isohm.com

November 2011
journey to megalithic sites
in Peru & Bolivia

for people who dare to think for themselves
who have the courage to follow their own path

*Machu Picchu, Ollantaytambo, Sacsayhuaman,
Bi-dimensional gate, Island of the Sun, Island of the
Moon, and more...*

and the mind blowing
Tiwanaku and **Puma Punku**

increase your frequencies on the

11.11.11

in the safe energy of the sacred
Lake Titicaca high in the Andes

www.anotherparadigm.com
journeys@anotherparadigm.com

Mike Marcum's Time Machine Experiments

Continued from page 62

said. "I eventually ended up in a downtown Cincinnati homeless shelter, since at first I couldn't even remember my own name." As his memory slowly returned, Marcum found a temporary job so he could leave the homeless shelter. "Gradually, over the few months after that, I got most of my memory back," he said. It turned out that Marcum had woken up in 2000, two years later. "I was hoping for maybe five minutes ahead and up to 75 to 100 yards' distance, but it ended up being a bit over two years and 800-plus miles."

After Marcum had saved enough money, he returned to Kansas City to retrieve the journals that he used to chronicle his experiments, inspect the machine and figure out what had happened. What he found demoralised him. "It was just an empty warehouse when I got back there," Marcum said. "To this day, I still don't know what happened. I'm guessing it was dismantled at some point and the smaller parts were perhaps sold on eBay." After a week in Kansas City, trying to remember the names of anyone who had helped him, he gave up and returned to his temporary job in Ohio. "I'm sure Art Bell's listeners would be thinking that the Men in Black came and abducted everyone involved and put the parts in Area 51," Marcum said jokingly. "I tend to think of the simplest explanation first: they all assumed I was dead after not hearing from me for two-plus years. I used to have videos documenting my progress, but those tapes disappeared along with my journals and everything else. In hindsight, I should have made copies and slept with them but wasn't planning on disappearing for so long."

Even though that disappearance should have attracted more attention than the occasional Internet blogger wondering what had

happened to Marcum, it didn't. "Outside of the project, I pretty much kept to myself," he said. "Other than eat and sleep as little as possible, I seldom left the warehouse." Marcum had few interactions with people in Kansas City other than his donors, and he hasn't seen his mother since 1986. "I was thinking of checking into missing persons and see if anyone there was looking for me soon after 1998," he said. "I cancelled those plans after remembering I was on probation at the time and didn't check in with my parole officer for two years. After 13 years I doubt police are looking for me, otherwise I think they'd have found me by now." Since Marcum was paid in cash for most of his jobs, except for a short employment at a packing factory, taxes haven't been a red flag. "To the IRS, I've always been an intermittent blip on the radar."

His biggest regret is forgetting his donors. "I can't remember the names of the people that helped build this project so I could look them up and explain what happened," he said. "My main hope is that they don't think I'm dead—or worse, think I'm alive and the most ungrateful person on Earth after all their help." He remembers that one man donated \$1,000 to cover court costs from the transformer theft. "But I can't remember his name if my life depended on it," Marcum said.

Mike Marcum Today

Marcum lives off odd jobs in Ohio, surfs the Internet and reads the occasional scientific journal. "Any time you see 'closed time-like curves' mentioned, that's a code word for time travel as career scientists don't want to publicly talk about building time machines," he said. "It's not a good career move." He's also amused by the Internet culture that has evolved around him from his two interviews with Art Bell. "After doing a Google on myself just

for kicks, I find it hilarious that there's a story, among dozens of urban legends, about me supposedly being found crushed and dead in the 1930s with a cellphone beside me," he said. "Don't know who that was, but it wasn't me."

He's still not sure how he travelled in time, but he has an idea. "This is just speculation at this point, but I'm guessing I moved through hyperspace. Think of that as a fifth dimension inside which the first four reside," Marcum said. "So, in simple terms, I moved through space as well as time. Space and time are actually the same thing per relativity: 186,000 miles of space equals one second of time, in oversimplified terms." He's certain hyperspace exists, because without it he'd be dead.

Although Mike Marcum's last attempt at time travel was 13 years ago, if he could start experimenting again he would. "After I returned to KC for a week and realised everything was gone, I was pretty disheartened and heartbroken," Marcum said. "But if I had the funds, I would definitely try to pick up where I left off research-wise. Being older and wiser these days and with some previous knowledge from trial and error, I definitely would. Right now, though, just maintaining the basics of food, clothing and shelter is a struggle, so it's on the backburner. The silver lining is: by my birth certificate I'm thirty-seven, but biologically I'm thirty-five since I skipped over two years of the calendar." ∞

About the Author:

Jason Offutt is the author of four books on the paranormal, including *What Lurks Beyond: The Paranormal in Your Backyard* (reviewed in NEXUS 18/02) and *Darkness Walks: The Shadow People Among Us*. His article "Invasion of the Mysterious Black-Eyed Children" was published in NEXUS 17/02. Jason Offutt also writes a weekly paranormal column at <http://www.from-the-shadows.blogspot.com>. He can be contacted by email at jasonoffutt@hotmail.com.

BOOKS, TAPES, MAGAZINES & VIDEOS

E-BOOK: 2012-NEW-EARTH-SURVIVAL.COM. A guide for the Paradigm Shift & Exodus. Planet-X, Earth Changes, Illuminati, Spirituality, Ascension, Jesus & ET's Rescue Plan.

BOOK: "PLANETS, SUNSPOTS AND EARTHQUAKES". The gravity trigger effect for solar flares, earthquakes and volcanic eruptions. A new cycle is now starting – this could mean more earthquakes! More details at www.planetinfluences.com.

CLIMATE CHANGE - EXPLAINED BY MAGNETISM? ISBN 978-0-646-47722-0. Rediscovered Climate Change, Magnetism and Gravity. All these elements are free. See review in NEXUS Vol.17 No.1. AU\$87.50 inc. p&h (for Australia AU\$71.50) or a CD (PDF) \$25 inc. p&h. Payment: Bank Money Order, Cheque, to Thomas T. S. Watson, 32 Kinlock Street, North Geelong, Victoria 3215, , or for direct transfer payment details ttsw@bigpond.com

YOUR WISH IS YOUR COMMAND 14 Disc CD Series. Referred to as the 'Think and Grow Rich' of our time. A must have CD series for anyone serious about experiencing real change in their life. Normally \$300. Special Price Aust. \$35 incl P&H. Overseas AUD \$40 incl. P&H. Send cheque or money order to M Benbow, PO Box 81, Lockwood South, Vic. 3551 Australia. Direct deposit details email mbbenbow@gmail.com

NIMBIN NEWS QUARTERLY: A Cooperatively run, 28 page FREE magazine including four full-colour pages, produced by Nimbin volunteers with up-to-the-minute articles relevant to people seeking a sustainable way to live. \$12 for six editions, including p&h. www.nimbinnews.com.

RAW MEATY BONES: *Promote Health (\$33.00 + p&p) Work Wonders: Feed your dog raw meaty bones (\$16.50 + p&p).* By Dr Tom Lonsdale. www.rawmeatybones.com Tel: 02 4578 1389

BOOKS, TAPES, MAGAZINES & VIDEOS

APOCALYPSE OR A GOLDEN AGE? www.eande.va.com.au plus NEXUS Conference dvds available

HEALTH PRODUCTS, SERVICES, COURSES

AURA GOGGLES, PIP Biofield Analysis, Energy Workshops, EMF protection devices. www.pranaview.com.au

A HEALING BREAKTHROUGH: ZERO POINT ENERGY WAND. Colloidal Silver Generators & COLSIL gel, Clark's zappers, Silver Electrodes, www.wanderwand.com info@wanderwand.com 0405 686 487 Queensland/Australia

EMOTIONAL FREEDOM TECHNIQUES, accredited home study practitioner course. www.eft.homestudy.com

FOR EFFECTIVE, GUARANTEED SOLUTIONS for 1) Energizing water (www.energizewater.com), or 2) Neutralizing geopathic stress and electro-stress and EMFs in the home/office and on the body (www.geopathic-stress.info), or 3) Eeman/Relaxation screens which also provide a way to transmit any healing substance vibrationally to the body (www.biocircuits.info), contact Tim Strachan of The Energy Store at ts@energystore.biz, or phone (02) 9388 9994, or skype id strackone. And/or become a distributor/onseller.

HOLISTIC HOME STUDY DIPLOMAS. See our new website www.ukcollege-holistic.co.uk

HULDA CLARK 9 VOLT ZAPPERS \$167, Robert C. Beck, D.Sc 27 Volt Zappers \$227, Colloidal Silver Generators 24 Volt \$140. Phone: (07) 4638 9035

HEALTH PRODUCTS, SERVICES, COURSES

ALKALINE FLASKS AND ALKALINE WATER STICKS available Australia. <http://earthselections.com>

MAGNETIC AND GERMANIUM BRACELETS available Australia. <http://earthselections.com>

QUANTUM SCIENCE SCALAR ENERGY Pendant and Nano Wand available Australia. <http://earthselections.com>

RADIONIC DEVICES and energy pendulums. Neutralise geopathic stress, balance subtle energy fields. www.emeraldinnovations.co.uk

RADIONICS. WE ARE VIBRATING ATOMS. Dis-ease = atoms out of synchronisation. Correction at a distance. 001144 1227 720540 (UK). lynda.08@hotmail.com

REPAIR, RESTORE, RENEW YOUR BODY through the increase of release of your own Adult Stem Cells! To facilitate this process, nature has provided a unique nutrient only available from one plant source. For a Free DVD and information enquire at: Phone: (07) 4638 9035, Brian Wilkinson, Herbalist & Nutritionist

SPIRITUAL HEALING. Humans / Animals. No fees. www.billlynneharry.co.uk

LIVING ON THE LAND

WWW.SURVIVALSTOREHOUSE.COM Australian distributor of Mainstay emergency food & water. *5 year shelf life*. In fair weather, prepare for foul.

RINGING CEDARS KIN SETTLEMENT in formation. Kin Domains forever. Rural NSW. Not for profit. \$20,000 dedication. www.kinsoases.org Ph: 02 6842 4778

MISCELLANEOUS

FUTURE FRIENDS AND LOVING PARTNERS, all ages, UK or overseas. Magazine established 1984. No membership fees. Person to Person (NX), PO Box 40, Minehead, TA24 5YS, UK. T: 001144 1643 709 509.

ENTERING THE DRAGON. Earth's journey into a black hole. www.soul-search.org/beyondthewheel.html

CORRECT TIMINGS PSYCHIC GUIDANCE Genuine Clairvoyants - Psychics and Mediums 24/7 1902 274 444 \$3.25 per/min mob/pay ext. Ccard readings \$2.75 per/min - min 10 minute reading. 039 444 0239

PERSONAL GROWTH

PROPHETIC PAINTINGS: online gallery www.wendricharhouse.com

LEARN TO DISSOLVE YOUR ISSUES directly (anxiety, phobias, low energy conditions, etc.) using a revolutionary but simple new method of energy work (not EFT). 3 sessions are usually sufficient to learn how to do this yourself. Guaranteed improvement if you practise these techniques. In person (Sydney) or by phone. More info www.energy-body-work.com. Call Tim Strachan 02 9388 9994.

SEE THE NEW CALAMUS WEBSITE. Alternative distance degrees (non-UK). www.unicalamus.org info@unicalamus.org

DIMENSIONAL MIND. If the mind of man can dream our greatest technologies into reality, what can your mind not do? Learn the principles and practice of deep mind trance,

understand quantum potential & parallel shifts to shape your future reality. Jenny McLaren Hypnotherapy. Workshops & private sessions. Montville Qld Ph 07.54785460 jenesis@live.com

UFOs & THE UNEXPLAINED

UFO HOTLINE: 1800 77 22 88
UFO RESEARCH QUEENSLAND Monthly public meetings, library, membership, nightwatches, conferences. (07) 3376 1780.

SCIENCE & TECHNOLOGY

IMPROVE ENGINE HORSEPOWER <http://xcelplus.com.au>
FOR UFO TECHNOLOGY Consult Australian Gravitational Space Propulsion Research Innovations www.agspri.com
NOT SO FAST, DR. EINSTEIN, disproof of Special Relativity, www.klman.com/physics

REDUCE ENGINE FRICTION <http://xcelplus.com.au>

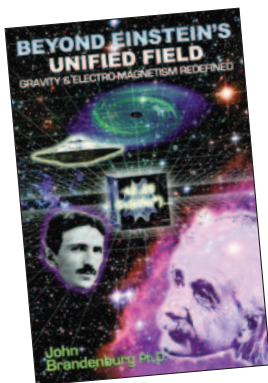
REDUCE ENGINE TEMPERATURE <http://xcelplus.com.au>

PERMANENT ENGINE PROTECTION <http://xcelplus.com.au>

READ THE MOST SENSATIONAL, but never heard before space discovery. Seriously scientific. www.urigalaxypublications.com. Apart from science, comments are included on the possibility of Solar UFOs existence.

IT IS A MYTH THAT THE SUN IS A NUCLEAR FURNACE. According to prominent astronomer, Sir William Herschel, it is a cool body. It has magnetic nature, but super-heated gaseous mass would be unable to retain its magnetism. C.F.Krafft says, if it was a super-heated gas ball, it would explode! Dr Hermann Fricke's opinion: if heated from inside, the spots should be incandescent, rather than dark. www.urigalaxypublications.com

NEW BOOK



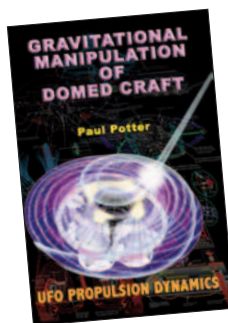
BEYOND EINSTEIN'S UNIFIED FIELD Gravity & Electro-magnetism redefined

by John Brandenburg Ph.D

Veteran plasma physicist John Brandenburg reveals the new theory that finally accomplishes what Einstein failed to do: the GEM Unification Theory proves the mathematical and physical interrelation of the forces of gravity and electromagnetism! He also traces the surprising, hidden influence of Nikola Tesla on Einstein's life. Brandenburg describes control of space-time geometry through electromagnetism, and states that faster-than-light travel will be possible in the future.

ORDER AT
www.nexusmagazine.com

UFO Propulsion Dynamics



GRAVITATIONAL MANIPULATION OF DOMED CRAFT

by Paul Potter

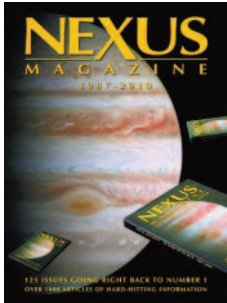
This book introduces a brand new field of scientific research based upon analysis of artifacts retrieved from crashed and damaged UFOs that have come down in Russia and America. For the first time, it reveals the scientific principles behind UFO propulsion dynamics, and shows that these principles are known and recognized by today's physicists. Potter's analyses of these UFO mechanisms are substantiated with references to a broad array of over 300 research papers published in scientific journals! Potter correlates many of the phenomena observed firsthand by close encounter witnesses and abductees and pinpoints the common themes reported, categorizing them according to known physical principles.

ORDER AT
www.nexusmagazine.com

DVDs available through NEXUS

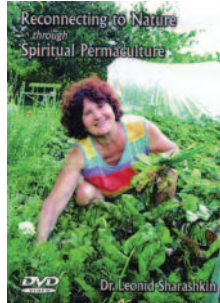
NEXUS MAGAZINE

1987-2010



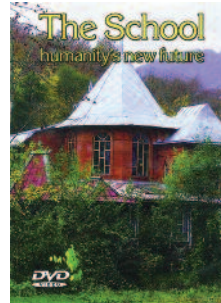
This DVD contains the complete back issues of NEXUS from 1987-2010 in pdf format.

Reconnecting to Nature Through Spiritual Permaculture by Leonid Sharashkin



The Ringing Cedars editor reveals worldwide potential for Russia's permaculture garden movement.

The School: Humanity's New Future



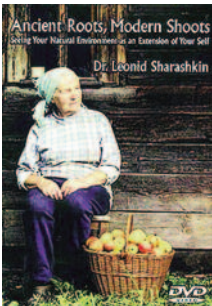
At this Russian school, the children have designed, built and decorated their own campus.

Creating Your Space of Love: The Road Home



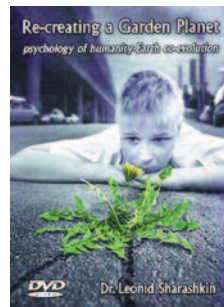
Family domain and eco-village planning, presented by Leonid Sharashkin in Byron Bay.

Ancient Roots, Modern Shoots



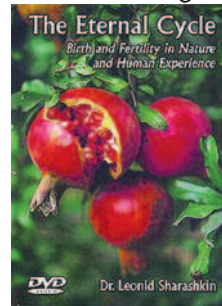
"Seeing Your Natural Environment as an Extension of Your Self" by Leonid Sharashkin.

Recreating A Garden Planet



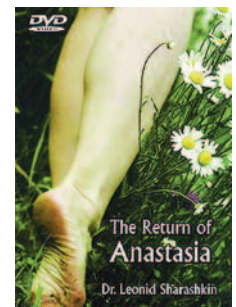
Psychology of Humanity-Earth Co-evolution. Presented by Leonid Sharashkin.

The Eternal Cycle



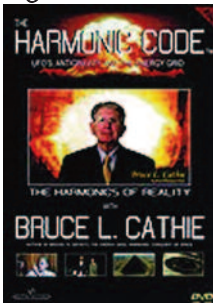
Fertility and Birth in Nature and Human Experience. Presented by Leonid Sharashkin.

The Return of Anastasia



Leo Sharashkin explains the significance of the Russian *dacha* gardening movement.

The Harmonic Code by Bruce Cathie



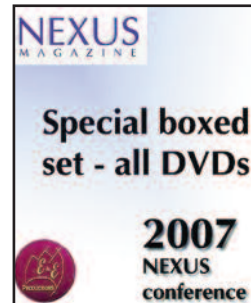
"UFOs, Antigravity and the Energy Grid". Matter, antimatter, time travel, harmonic mathematics etc.

Vaccination: The Hidden Truth



Their ineffectiveness, the manipulated statistics and what vaccines contain exposed in this DVD.

NEXUS Conference DVDs - 2007



Harry Oldfield, George Wiseman, Sherrill Sellman, Meryl Dorey, Dr Ted Loder and more.

NEXUS Conference DVDs - 2008



Ringing Cedars, Crystal Skull, Harry Oldfield, Callum Coats, Gary Opit and more.

To order visit www.nexusmagazine.com

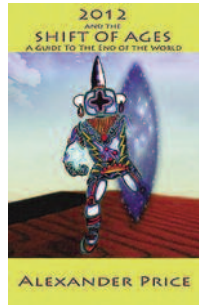
Books available via NEXUS on Ancient Mysteries and Travel Archaeology/Mysteries

The Giza Death Star



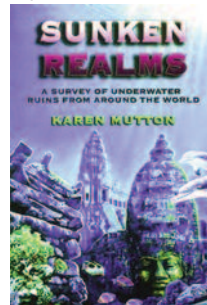
This is physicist Joseph Farrell's amazing book on the secrets of the Great Pyramid of Giza.

2012 and the Shift of Ages



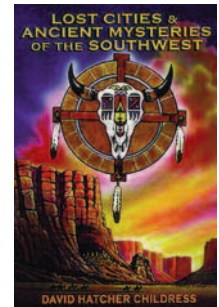
A Guide to the End of the World by Alexander Price. Investigates the cycles of human history and nature.

Sunken Realms



A Survey of Underwater Ruins From Around the World. Includes discussion on causes of sunken cities.

Lost Cities & Ancient Mysteries of the Southwest



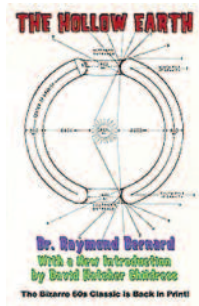
David Hatcher Childress traverses the American Southwest investigating archaeological mysteries.

Axis of the World



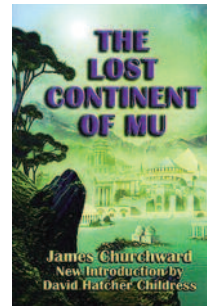
A Multi-disciplinary approach across the Americas in search of the oldest American civilisation.

The Hollow Earth



Dr Raymond Bernard's bizarre 60s classic is back in print! New intro by David Hatcher Childress.

The Lost Continent of Mu



James Churchward's classic on the theory of a lost continent in the Pacific. First published in 1931.

In Secret Tibet



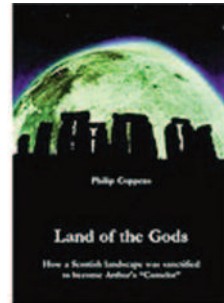
Reprint of a rare 1930s travel book by a German traveller who travelled through forbidden Tibet.

Danger My Ally



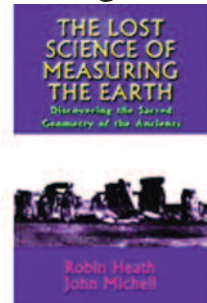
The true life adventure of F.A. Mitchell-Hedges including his discovery of the famous Crystal Skull.

Land of the Gods



How a Scottish Landscape was Sanctified to Become Arthur's Camelot by Philip Coppens.

The Lost Science of Measuring the Earth



Discovering the Sacred Geometry of the Ancients by Robin Heath and John Michell.

Maps of the Ancient Sea Kings



Charles Hapgood's classic 1966 book on ancient maps and world civilisation before Ancient Egypt.

To order visit www.nexusmagazine.com

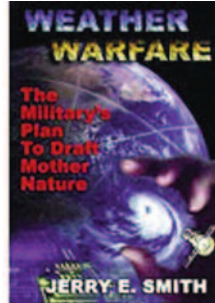
Conspiracy & Religious Revisionism/Mysteries available via NEXUS (selection only).

Hitler's Suppressed,
Still-Secret Weapons,
Science & Technology
by Henry Stevens



Intelligence reports of supermetals, electric guns, & ray weapons, x-ray and laser weaponry.

Weather Warfare
by Jerry E. Smith



The Military's Plan To Draft Mother Nature. HAARP, environmental & weather-modifying technologies.

ParaPolitics:
Conspiracy in
Contemporary
America



Collection of Kenn Thomas' lecture remarks, interviews and articles from the world's underground press.

From Major Jordan's
Diaries
by George Racey



Diary account of high-level cooperation between Russia and the USA since World War II.

The Secret Vault
by André Douzet and
Philip Coppens



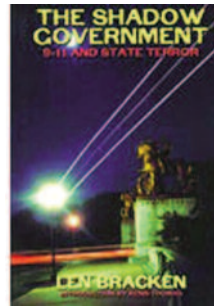
The Secret Societies' Manipulation of Sauniere & the Secret Sanctuary of Notre-Dame-de-Marceille.

Mind Control, World
Control
by Jim Keith



Veteran conspiracy researcher's overview of mind control as a tool of the New World Order.

The Shadow
Government



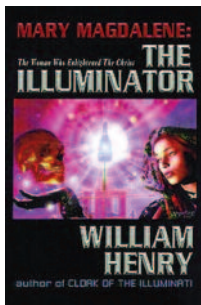
9-11 and State Terror, by Len Bracken, with introduction by Kenn Thomas.

Secrets of the Holy
Lance



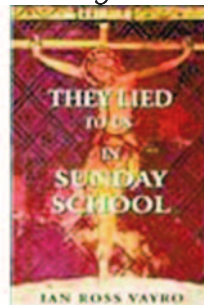
The Spear of Destiny in History & Legend by Jerry E. Smith and George Piccard.

Mary Magdelene
The Illuminator



The Woman Who Enlightened The Christ by William Henry.

They Lied to Us in
Sunday School



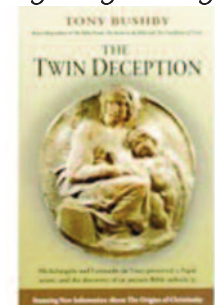
Ian Ross Vayro takes us through ancient biblical texts leading one to question traditional teachings.

The Papal Billions
by Tony Bushby



Damning facts about the Vatican's accumulation of wealth over the centuries.

The Twin Deception
by Tony Bushby



Reading like a suspense novel, this book unlocks the concealed evidence of Jesus' twin brother.

To order visit www.nexusmagazine.com

Books available through NEXUS—Environment/Spirituality and Alternative Health

Ringing Cedars Series
by Vladimir Megre



The author's fascinating experience of Anastasia and the ringing cedars of Russia.

13-Moon Diary of
Natural Time
2010-2011



Red Overtone Moon Year. Contains Mayan 13-Moon calendar, horoscope, planner & short guide

Stone Age Farming
by Alanna Moore



Eco-Agriculture for the 21st Century—a holistic, practical approach to farm & ecosystem management.

How to Survive 2012



Tactics and Survival Places for the Coming Pole Shift by Patrick Geryl.

Living Energies
by Callum Coats



Viktor Schauberger (1885-1958) & his brilliant ideas & inventions harnessing natural energy explained.

Hidden Nature
by Alick Bartholomew



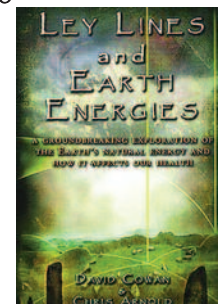
Describes Schaubenger's work with water as a living organism. Foreword by David Bellamy.

Voyages Into the
Unknown



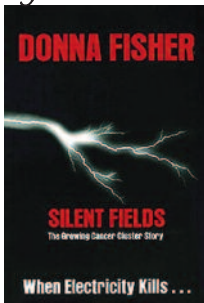
Bruce Moen's forays into the afterlife, including his experience in helping 'retrieve' individuals.

Ley Lines and Earth
Energies
by D Cowan & C Arnold



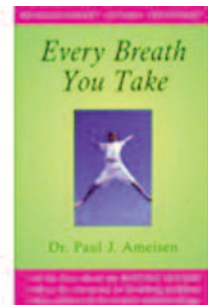
A groundbreaking exploration of the Earth's natural energy and how it affects our health.

Silent Fields
by Donna Fisher



The Growing Cancer Cluster Story—an exposé on the power industry & "dirty" electricity.

Every Breath You
Take



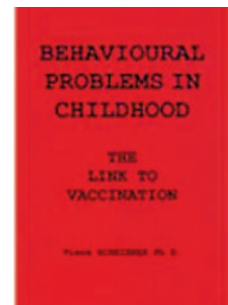
Help for asthma sufferers with information on the Buteyko Method by Dr Paul Ameisen.

The Golden Fountain



The Complete Guide to Urine Therapy by Coen van der Kroon.

Behavioural Problems
in Childhood

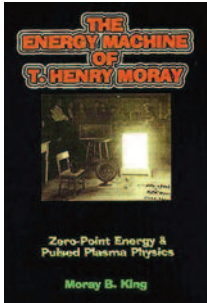


Neurological & behavioural disorders and the link to vaccines by Viera Scheibner PhD.

To order visit www.nexusmagazine.com

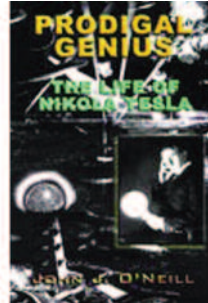
Suppressed/Frontier Science & Free Energy
A selection of books available from NEXUS

The Energy Machine of T. Henry Moray by Moray B. King



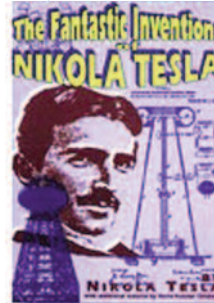
Zero-Point Energy & Pulsed Plasma Physics. 1920s energy device explained by modern science.

Prodigal Genius by John J. O'Neill



Nikola Tesla is revealed as a figure of genius whose influence on the world reaches into the far future.

The Fantastic Inventions of Nikola Tesla Compiled by Childress



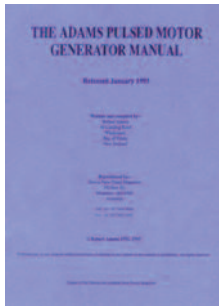
Compendium of the inventions of the originator of electrification. Includes patents, diagrams, photos.

Harnessing the Wheelwork of Nature edited Thomas Valone



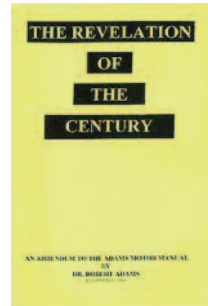
Essays, papers, technical briefings and press clippings dedicated to Tesla's work and memory.

Adams' Pulsed Electric Motor Generator Manual



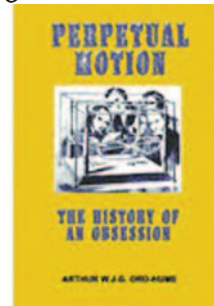
This is the manual which further describes the details on how to build the Robert Adams motor.

The Adams Manual - Addendum



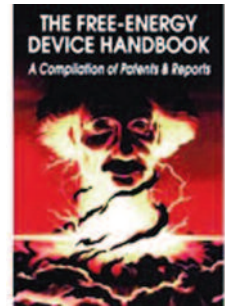
This addendum further updates the research and theory surrounding the Adams' Motor.

Perpetual Motion by Arthur Ord-Hume



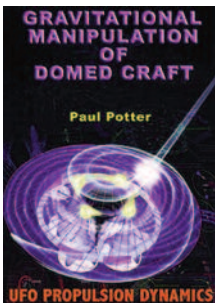
A present-day engineer finds perpetual motion seekers were important in engineering's history.

The Free-Energy Device Handbook



A compilation of patents, diagrams, descriptions and reports, edited by David Hatcher Childress

Gravitational Manipulation of Domed Craft



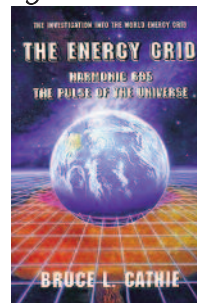
UFO Propulsion Dynamics by Paul Potter. Research based on crashed UFOs from Russia and America.

The Anti-Gravity Handbook



Edited by David Hatcher Childress. Free Energy, Flying Saucer Propulsion, UFOs, NASA Cover-ups.

The Energy Grid by Bruce Cathie



Breakthrough book that explores the incredible potential of the Energy Grid and Earth's Unified Field.

The Tesla Papers by David H. Childress

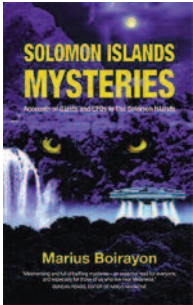


Tesla's vision of the future, including wireless power, anti-gravity, free energy & advanced solar power.

To order visit www.nexusmagazine.com

A selection of books on UFOs and the Unexplained available through NEXUS.

SOLOMON ISLAND MYSTERIES
by Marius Boirayon



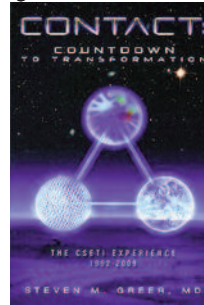
Giants of the Solomon Islands; UFO underwater & underground bases deep in the jungle.

COEVOLUTION
by Alec Newald



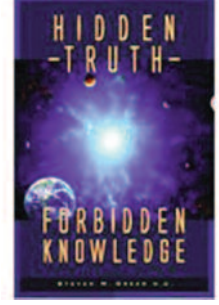
The life-changing true story of a man taken for ten days to an extraterrestrial civilisation.

CONTACT: Countdown to Transformation
by Steven M Greer



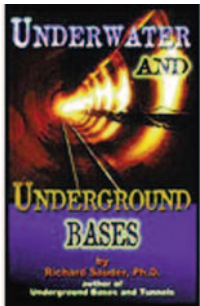
Chronicle of the CSETI team's experience of contact from 1992-2009. Includes bonus DVD.

HIDDEN TRUTH: Forbidden Knowledge
by Steven M Greer



From UFO sightings to meetings with CIA directors, join Greer on his discovery of secret agendas.

UNDERWATER & UNDERGROUND BASES



Dr Richard Sauder's evidence & govt paper trail for the construction of huge bases on & offshore.

STALKING THE TRICKSTERS



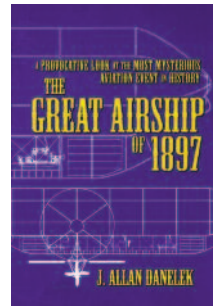
Investigation into Shapeshifters, Skinwalkers, Dark Adepts and 2012 by Christopher O'Brien.

REICH OF THE BLACK SUN



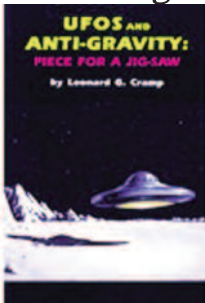
Nazi Secret Weapons & The Cold War Allied Legend by historian and physicist Joseph P. Farrell

THE GREAT AIRSHIP OF 1897



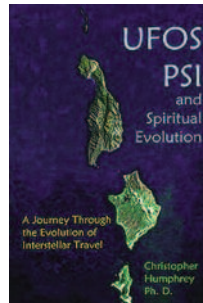
A Provocative look at the Most Mysterious Aviation Event in History by J. Allan Danelek.

UFOS AND ANTI-GRAVITY
Piece for a Jigsaw



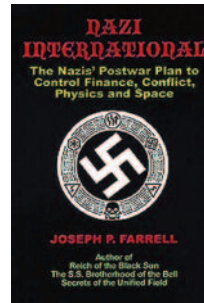
Scientist Leonard G. Cramp's 1966 classic on flying saucer propulsion & suppressed technology.

UFOS, PSI & SPIRITUAL EVOLUTION



A Journey Through the Evolution of Interstellar Travel by Christopher Humphrey PhD.

NAZI INTERNATIONAL



The Nazi's Postwar Plan to Control Finance, Conflict, Physics and Space by Joseph P. Farrell.

THE LUCID VIEW



Investigations into Occultism, Ufology and Paranoid Awareness by Aeolus Kephas.

To order visit www.nexusmagazine.com