

NEXUS

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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.

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Editorial

There has been an increase in the number of people seeking to work at or for NEXUS Magazine. I'd like to think that this is because there is a growing number of people who are interested in peering behind the veil of manufactured information that is presented via mainstream media outlets as "reality". While this may be true, there is also a rising number of researchers, writers and sub-editors being made redundant by the ever-changing media landscape.

The Internet, while enabling millions of people to access all sorts of information, is causing the demise of the current media empires as we know them. As I've mentioned before in this column, all media empires have been sustained financially by revenue from advertising. But now, people are putting their classified adverts online instead of in newspapers, and more and more consumers have stopped buying papers and magazines and watching TV altogether. Their mobile phones/iPhones/mini-computers are giving them all they want in terms of the information they prefer—which is mostly to do with sport, finance, music, films and gossip. Thus my observation is that people, despite being able to access more information electronically, are becoming even more ignorant of the world around them. Even worse, this excess of information seems to have resulted in a reduction in attention span, especially among younger people. The downside of this is that the emerging techno-society is far more compliant and susceptible to manipulation by governments, corporations and the ruling elites.

Meanwhile, in this latest issue of NEXUS we have lots of information that you are guaranteed not to find in that babble of "pap" called "the mainstream".

Project Censored has released its latest round-up of the most important underreported news stories. Admittedly most of them are US-based, but rest assured that they are reflected in Australia, New Zealand, the United Kingdom and Europe: same issues, just different names.

The problem of genetically modified (GM) plant pollen causing widespread contamination of other plants is yet to be fully appreciated by society. We are only just beginning to grasp the impact on interrelated ecosystems, let alone the legal and health implications. This is one genie that can never be put back into the bottle. Our article this issue examines the link between pollen from GM crops and the collapse of honey bee colonies around the globe.

It is fair to say that modern medicine has approached the point where it is almost equal to a faith-based religion. Even the priests/doctors are ignorant of the full facts available to them—and woe betide those who search or practise outside of approved scriptures/prescriptions! Our article examines how evidence is no longer a factor in the make-up of so-called "scientific medicine".

Being a fan of pleomorphism—which involves the idea that our blood contains micro-organisms that mutate into totally new life-forms under certain (toxic) conditions (e.g., *E. coli* → candida fungus → TB bacterium → cancer microbe, to put it very crudely)—I was pleased to receive an article examining yet more evidence of the fact that cancers result from micro-organisms.

In January 2009, Dr Steven Greer of The Disclosure Project joined with other key figures to provide a briefing document for US President Barack Obama, urging him to become informed on the issue of UFO secrecy and disclosure. Hopes still run high amongst many that this disclosure may occur, but some fear that the process is stalling. We publish that briefing in this issue; it is definitely worth reading.

Several years ago I received a letter from a person who once did work which would clearly describe him as a "Man in Black". It is very detailed, and until now I have held off publishing it for fear of reprisals against him. His letter is interesting on many levels, not least of which is the revelation that we have been "visited" more often than most UFO "researchers" would care to acknowledge.

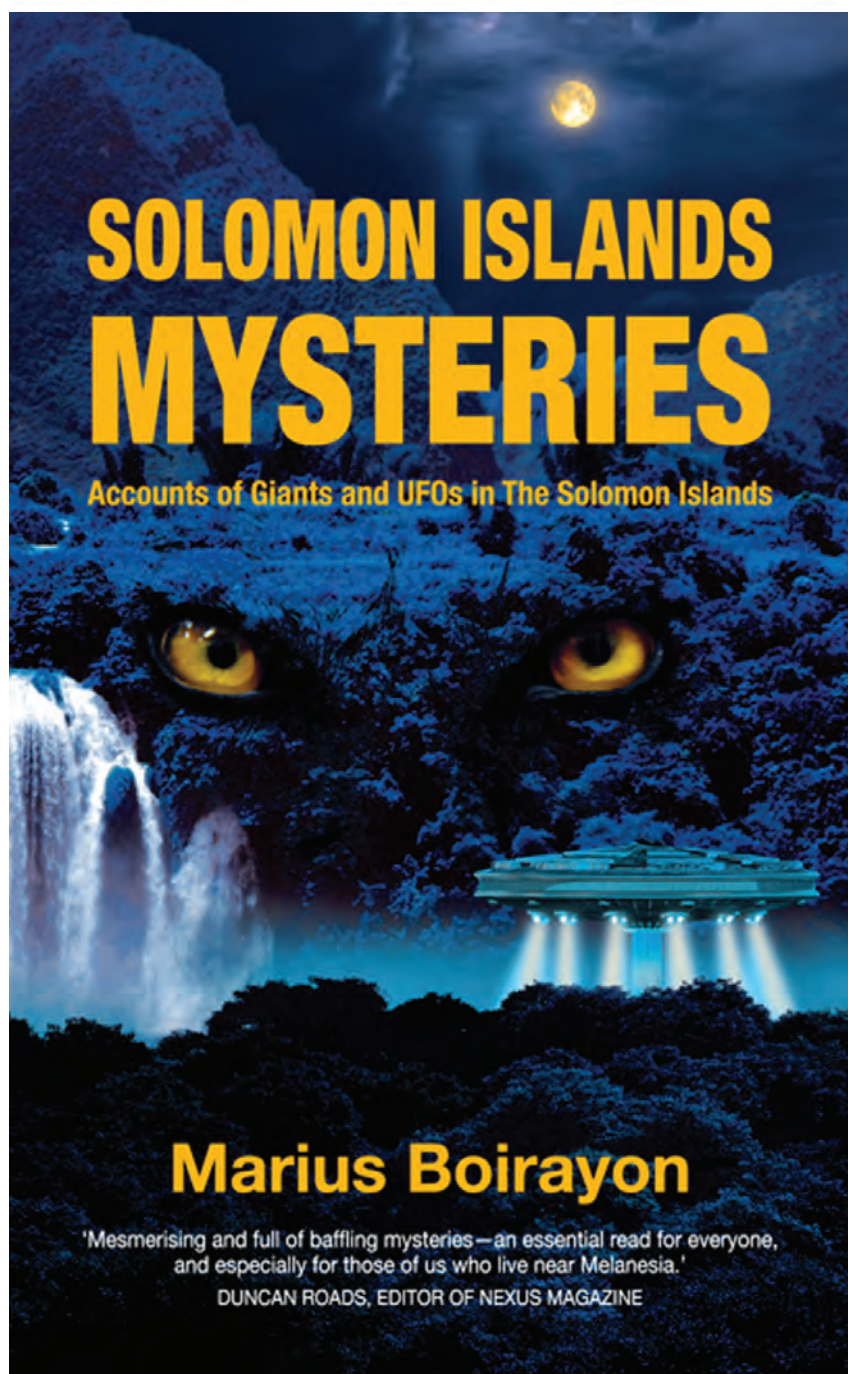
Best wishes to you all for the festive season and beyond.

Duncan

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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.

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Letters to the Editor ...

EMFs and Breast Cancer

Duncan, thank you for the opportunity to write an article for NEXUS ["Dirty Electricity and the Link to Cancer", 16/06]. After many years of the mainstream media and even public relations people not wanting to expose this issue or even meet with me, even though I was quite persistent, it is refreshing to note your concern on cancer, cancer clusters and EMFs.

It is no coincidence that the incidence of breast cancer has risen dramatically since the use of computers has increased. It is quite a well-known fact that female white-collar workers are at a much higher risk of breast cancer. How long will it take for those who disbelieve and refuse to believe to catch on?

More Silent Fields [see review in this edition; Ed.] also informs on a new noninvasive breast cancer detection system that is more accurate than a mammogram and, if the operator is skilled enough, can tell if the lump is benign or malignant while the woman is in the clinic. This is truly amazing, and also is being heavily resisted.

I notice that Myer and David Jones department stores now have mammogram testing available. The chemicals in many of the cosmetics that they sell contain carcinogens, and now they are giving women radiation that *does* cause cancer. Dr Samuel Epstein's research on this issue is very well conducted.

"Think Before You Pink",

Donna Fisher, Australia,
www.silentfields.com

Electrical Pollution

Hi. I have a few comments about "dirty electricity".

1) In the early 1980s in the computer centre at AGH University in Krakow, Poland, there was such an electrostatic environment that when a woman computer operator wearing pantyhose was walking by one spot on the floor, the RIAD computer would fail and the system would have to be restarted. Note that this was an influence on the machine from a distance. All the people working there were in such radiative or electrostatic fields all the time.

2) In 1996, I was in New York City and went up one of the World Trade Center towers. It was a nice day and the roof was open. I was recording the view around the city and beyond on my camcorder. Later, I looked at the video and noticed that the picture was distorted and there was a big "background" noise like a Diesel engine running. Assuming the camcorder was out of order, I tested it but it worked okay. I decided to recover whatever I could from my recording, and then I realised that there were short periods of silence and short periods of noise—caused by all those antennas on top of the tower. The emissions were so strong that they affected my camcorder. We people are in an ocean of noise all the time, and now we have more radars, cellphones, GPSs and so on.

3) When you have a short-wave radio or at least a long-wave radio and put it close to the new fluorescent bulbs

and many other devices, you can hear the electronic pollution as a noise in the radio speakers.

We have plenty of electronic pollution, but it is not killing us immediately so it is hard to prove our health problems are caused by it. The big businesses would never allow any kind of research on that subject.

Regards,

B. T., Ajax, Canada

ABC Breast Cancer Cluster

Dear Duncan: When visiting the ABC studio in Toowong, Brisbane, for an interview, I was struck by its vulnerable position very close to the railway line.

Passing and especially accelerating electric trains could be expected to induce strong magnetic spikes in the electronic equipment, and that would be very dangerous to those routinely exposed to these spikes. This unique situation may explain why the breast cancer cluster happened in Toowong rather than in another studio.

Walter Last, Queensland, Australia

Benefits of EMF Filters

Thank you, Duncan, for bringing "dirty electricity" to the attention of your readers. I was lucky enough to come across the information a few years back when my health was rapidly deteriorating due to incoming power lines creating fields of 8 mG on average throughout my home.

As an organic consumer who did not drink, smoke or eat meat, I was left only with environmental causes to investigate. I chanced upon

some sample Stetzer filters and tried them, as the high mG readings also brought with them high dirty electricity readings. My dog, which had similar symptoms to mine and had been having her back legs collapse underneath her as she walked, began to walk properly again without falling and continued to do so. This blind test convinced me that these frequencies were having an effect and that it was not all "in my mind".

I am so grateful that Donna Fisher has taken it upon herself to empower the people with knowledge that the electricity companies would rather we were ignorant of.

Kind regards,

Helen A. Murphy,

www.Environmentics.com.au

Freedom from Taxation?

Dear Editor: Being an avid reader of your magazine and others that deal with the same set of subjects, I would like to suggest a topic for you which would make an excellent article (or so I think!). Why not publish an article on the Freeman-on-the-Land concept?

I have a few months ago taken a step towards total freedom: I have *lawfully* seceded from all types of government, Local, State and Federal, by becoming a Freeman-on-the-Land. Just imagine what We The People could accomplish if we all did this—or even just many of us!

For a start, I have informed the Australian Taxation Office that I relinquish my tax file number because I am no

... more Letters to the Editor

NB: Please keep letters to approx. 150 to 250 words in length. Ed.

longer subject to its statutory obligation to pay income tax. I have also instructed the Electoral Commission to take my name off the electoral roll.

Who would pay for their illegal wars if we refused to pay taxes? Who would pay the outrageous salaries of those criminals in politics and big business if we refused to support them? How long would they last if we stood up to them?

While this is certainly not for the faint-hearted, I feel sure that there are readers who might feel inspired by such an article.

Most people have never even heard of it and will be surprised to find out how easy it is to get out from under Caesar's heel if you know just two things: (a) it can be done, and (b) how jaw-droppingly simple it is to "sack" the government.

Is this idea of interest to you? If you need more info, I am happy to provide more articles and some useful web addresses or even write an article myself.

Looking forward to hearing from you,
Bernard, Australia

[Dear Bernard: Feel free to send me any relevant info. Ed.]

The Shock Doctors

Dear Duncan: In view of the article on the global ID card agenda in the latest NEXUS [16/06], if you have not already reviewed it I recommend to you and your readership Naomi Klein's book *The Shock Doctrine* (Penguin; ISBN 978-0-141-02453-0). I quote from the back cover:

"The Rise of Disaster Capitalism... Around the

world in Britain, the United States, Asia and the Middle East, there are people with power who are cashing in on chaos, exploiting bloodshed and catastrophe to brutally remake our world in their image. They are the shock doctors."

The book ties in neatly with many past articles such as "Along Came the Transnationals" [4/03] and "The Rise of the Global Dominance Group" [13/06].

Kind regards, and many thanks for a great magazine.
Mike H., England, UK

Mysterious Phenomena

Dear Duncan: I'm very intrigued by the story on the Solomon Islands giants [16/04]. Will there be further investigation into this subject? Will there be another expedition to find and film these giants?

I work in forensics and I also host a radio show where I have a "Weird News" section. I have done many conspiracy, UFO and unexplained mysteries stories, but I have only just come across your magazine. I really enjoyed the issue I read (and will now subscribe). I wondered if you ever planned to do a special issue of your magazine with all of your biggest stories/discoveries from past issues, as I feel I have missed out on some real gems.

I will be plugging your magazine on my show. Keep up the good work; and if you ever need my help in any way, please don't hesitate to contact me. Thank you.

John D., Warwickshire, UK

[Dear John: Thanks for your positive comments. We'll update

readers on the Solomons giants when news comes to hand. Two years ago we published *Strange Times, a compendium of articles covering mysterious phenomena; see our website for details.* Ed.]

Community Currencies

Hi Duncan: I was intrigued to read your article about the new approaches to doing trade: community currencies and exchanging goods without using money [16/05].

You may be interested in a Russian guy named German Sterligov, who is masterminding a network for exchanging goods and services, called ARTC, in preparation for money becoming worthless. Interesting vitae and just the type NEXUS might like were it not for his newly found faith in the Russian Orthodox Church and his warriorlike approach...

All the best,
Philip S., Potsdam, Germany

[Dear Philip: I read the story of German Sterligov with interest. I would also recommend that readers look up Anthony Migchels, the initiator of the "Gelre", the first regional currency in The Netherlands. Ed.]

The Causes of Cancer

Dear Duncan: In the last NEXUS [16/06], a David C. from NSW raised the topic of sources of cancer.

I recommend to him the book by Andreas Moritz: *Cancer is NOT a Disease*. In my opinion, Moritz gives a very reasonable—if not the correct—explanation for the causes of cancer. He can be looked up through Google under "Andreas Moritz".

Thank you for a continuing

source of reading pleasure, and keep up the good work.

Best wishes,
Henk H., The Hague, The Netherlands

Sunspot Decline & Ice Ages

Hi Duncan: Thanks for the recent articles on declining sunspots and ice ages and also for the insight of Peter Duenov regarding the planetary changes to come [16/06].

I need to comment on two things. First, one cannot but ponder as to why so many new-agers and their gurus continue to predict a world of increasing abundance and wondrous transformation for all without the need for Earth changes or loss of comfort or life. Second, when one does one's homework and checks out the many science-based websites on ice ages past and future, it becomes uncomfortably clear that the next one will occur in our lifetime. Global warming is just a phase we go through before the big whammy.

Perhaps these two camps are connected in that the powers-that-be and their media outlets, to avoid mass panic (and this is a logical stance), quietly assist the new-age gurus with their saccharine message while cleverly controlling or ridiculing the ice age realities. Subterfuge rules for now. A lot of people are in for a rude shock when the ice hits the fan!

Can't wait for more articles on these subjects and, of course, the next NEXUS Conference (hurry up!). As you know I have been to them all...

Mike S., Australia

US JUDGE RULES AGAINST COMPULSORY VACCINATIONS

A Preliminary Injunction to stop mandatory vaccinations has been issued in the United States District Court of New Jersey. This comes after a federal lawsuit opposing forced vaccinations was filed in that court by Tim Vawter, *pro se* attorney, on 31 July with the federal government as defendant.

When the judge signs the Preliminary Injunction, it will stop the federal government from forcing anyone in any state to take flu vaccine against their will. It will also prevent a state or local government from forcibly vaccinating anyone, and forbid any person who is not vaccinated from being denied any services or constitutional rights.

Vawter's filings included a Complaint and several pages of evidentiary Exhibits. His legal papers have been written not only for filing in federal court, but so they can be looked at by activists around the world for ideas on filing lawsuits in their own countries to help stop forced vaccinations.



Vawter believes that as the truth of the dangers of flu vaccines continues to become known, banning the forced use of them will eventually succeed on a worldwide basis. He cautions people to avoid fear and keep themselves focused on the task of blocking forced vaccinations.

The Preliminary Injunction will immediately halt mandatory vaccinations in the United States.

(Source: CNN iReport, 29 September 2009, <http://tinyurl.com/yc84yqs>)

INVENTION SECRECY HIGHEST IN A DECADE

The total number of invention secrecy orders that the US government imposed on patent applications rose again this year, reaching 5,081 by the end of last month [September], the highest figure since 1996.

Under the Invention Secrecy Act of 1951, US government agencies may restrict the disclosure of a patent application whenever its publication is deemed "detrimental to the national security".

In Fiscal Year 2009, 103 new secrecy orders were issued, while 45 existing orders were rescinded. There were 21 new "John Doe" secrecy orders—those that are imposed on private inventors who are not government contractors.

(Source: Secrecy News, 22 October 2009, <http://www.fas.org/blog/secrecy/>)

UK TO "SPY" ON EVERY PHONE CALL, EMAIL & WEBSEARCH

Every phone call, text message, email and website visit made by private citizens in the UK is to be stored for a year and will be available for monitoring by hundreds of government bodies.

All telecoms companies and Internet service providers (ISPs) will be required by law to keep a record of every customer's personal communications, showing whom they have contacted, when and where, as well as the websites they have visited.

Over 650 public bodies will be given access to the information, including police, local councils, the Financial Services Authority, the ambulance service, fire authorities and even prison governors. They will not require the permission of a judge or a magistrate to obtain the information, but simply the



... GLOBAL NEWS ...

authorisation of a senior police officer or the equivalent of a deputy head of department at a local authority.

While public authorities will not be able to view the contents of these emails or phone calls, they can see the Internet addresses, dates and times, and identify recipients of calls.

The new rules, known as the Intercept Modernisation Programme, will not only force communications companies to keep their records for longer but to expand the type of data they keep to include details of every website their customers visit, meaning every online 'click'.

Firms involved in storing the data, including Orange, BT and Vodafone, will be reimbursed at a cost to the taxpayer of £2 billion over 10 years. (Source: The Daily Telegraph, London, 10 November 2009)

GENETIC ANALYSIS HAS "NO CLINICAL RELEVANCE" IN PREDICTING DISEASE RISK

Genetic analysis is essentially useless in predicting a person's risk of cancer, heart attack and other common diseases, according to a set of commentaries published in *The New England Journal of Medicine*.

The decoding of the human genome in 2003 led to a flood of research into the contributions that genetic variation might make to the risk of various chronic diseases that tend to develop late in life, such as diabetes, heart disease and cancer. Since then, a number of for-profit companies have begun offering genetic screenings and disease risk assessments.

"With only a few exceptions, what the genomics companies are doing right now is recreational genomics," said David B. Goldstein of Duke University, author of one of the commentaries. "The information has little or in many cases no clinical relevance."

(Source: Natural News, 9 November 2009, <http://tinyurl.com/yj03e5z>)

COMPUTER SHOWS YOUR THOUGHTS ON SCREEN

Scientists have discovered how to "read" minds by scanning brain activity and reproducing, as video footage, images of what people are seeing or even remembering.

The breakthrough raises the prospect of significant benefits, such as: allowing people who are unable to move or speak to communicate via visualisation of their thoughts; recording people's dreams; or allowing police to identify criminals by recalling the memories of a witness. However, it could also herald a new Big Brother era in which an individual's private thoughts can be readily accessed by the authorities.

The discoveries come amid a flurry of developments in the field of brain science. Researchers have also used scanning technology to measure academic ability, detect early signs of Alzheimer's and other degenerative conditions, and even predict the decision a person is about to make before they are conscious of making it.

Such developments may have controversial ramifications. In Britain, fMRI scanning technology has been sold to multinational companies such as Unilever and

McDonald's, enabling them to see how we subconsciously react to brands. In America, security agencies are researching the use of brain scanners for interrogating prisoners, and Lockheed Martin, the US defence contractor, is reported to have studied the possibility of scanning brains at a distance. This would allow an individual's thoughts and anxieties to be examined without their knowledge in sensitive locations such as airports.

Russell Foster, a neuroscientist at Oxford University, said that rapid advances in the field are throwing up ethical dilemmas.

(Source: Global Research, 10 November 2009, <http://tinyurl.com/ycuhasy>)

MINI ICE AGE TOOK HOLD OF EUROPE IN MONTHS

The most precise record of the climate from palaeohistory ever generated reveals that it took just months, not decades, for Europe to be engulfed by an ice age.

Around 12,800 years ago, the northern hemisphere was hit by the Younger Dryas mini ice age, or "Big Freeze". It was triggered by the slowdown of the Gulf Stream and lasted around 1,300 years.

Until now, it was thought that the mini ice age took a decade or so to



... GLOBAL NEWS ...

take hold, on the evidence provided by Greenland ice cores. Not so, say William Patterson of the University of Saskatchewan in Saskatoon, Canada, and his colleagues.

The group studied a mud core from an ancient lake, Lough Monreagh, in western Ireland. Using a scalpel they sliced off layers 0.5 to 1.0 millimetre thick, each representing up to three months of time. No other measurements from the period have approached this level of detail.

Carbon isotopes in each slice revealed how productive the lake was, and oxygen isotopes gave a picture of temperature and rainfall. They show that at the start of the Big Freeze, temperatures plummeted and lake productivity stopped within months or a year at most.

(Source: *New Scientist*, 11 November 2009, <http://tinyurl.com/yfjgr>)

SCIENTIST PULLS ABOUT-FACE ON GLOBAL WARMING

When a leading proponent for one point of view suddenly starts batting for the other side, it's usually newsworthy. But this was not so in the case of Professor Mojib Latif of Germany's Leibniz Institute, one of the leading climate modellers in the world.

Professor Latif is the recipient of

several international climate-study prizes and a lead author for the UN Intergovernmental Panel on Climate Change (IPCC).

He has contributed significantly to the IPCC's last two five-year reports that have stated unequivocally that man-made greenhouse emissions are causing the planet to warm dangerously.

Yet last week in Geneva at the UN's World Climate Conference—an annual gathering of the so-called "scientific consensus" on man-made climate change—Latif conceded that the Earth has not warmed for nearly a decade and that we are likely entering "one or even two decades during which temperatures cool".

The global warming theory has been based all along on the idea that the Atlantic and Pacific oceans would absorb much of the greenhouse warming caused by a rise in man-made carbon dioxide, and then would let off that heat and warm the atmosphere and the land.

But as Latif pointed out, the Atlantic, particularly the North Atlantic, has been cooling instead and looks set to continue a cooling phase for 10 to 20 more years.

(Source: *The Calgary Herald*, 19 September 2009, <http://tinyurl.com/mwpktv>)

MEDIA GAGGING ORDERS USED IN LEGAL BATTLEFIELD

The media gagging order is becoming a troublingly frequent weapon in the legal battlefield.

Injunctions are a form of court order, usually preventing the recipient from doing something. Imagine you know something important about an individual, "A", which you attempt to publish or communicate to others.

You are sued by A in an attempt to keep that information confidential—not altogether an unusual sequence of events. In the course of the legal proceedings brought by A, you are likely to receive a court order stating something like "the publication of all information relating to these proceedings is expressly prohibited". If asked by a friend or colleague about the case brought against you by A, you would have to say: "I can't talk about it; I've been enjoined."

More alarming still is the fact that corporations, with motives centred more on their brand and reputation than personal disaster, are invoking these orders, gagging others from saying they have been gagged let alone from saying whatever they initially wanted to speak out about.

(Source: *The Guardian*, 23 September 2009, <http://tinyurl.com/ydl6srx>)

EU's "ORWELLIAN" PLAN TO MONITOR BEHAVIOUR

The European Union (EU) is developing "Orwellian" technologies designed to scour the Internet and CCTV images for "abnormal behaviour".

A five-year research program, called Project Indect, aims to develop computer programs which act as "agents" to monitor and process information from websites, discussion forums, file servers, peer-to-peer networks and even individual computers. Its main objectives include the "automatic detection of threats and abnormal behaviour or violence".

Why bees are disappearing...



... GLOBAL NEWS ...

The European Commission is calling for a "common culture" of law enforcement to be developed across the EU and for a third of police officers to be given training in European affairs within the next five years.

According to the Open Europe think-tank, the increased emphasis on co-operation and sharing intelligence means that European police forces are likely to gain access to sensitive information held by UK police, including the British DNA database.

It also expects the number of UK citizens extradited under the controversial European Arrest Warrant to triple.

According to the official website for Project Indect, which began this year, its main objectives include "to develop a platform for the registration and exchange of operational data, acquisition of multimedia content, intelligent processing of all information and automatic detection of threats and recognition of abnormal behaviour or violence".

It talks of the "construction of agents assigned to continuous and automatic monitoring of public resources such as: web sites, discussion forums, usenet groups, file servers, p2p [peer-to-peer] networks as well as individual computer systems, building an internet-based intelligence gathering system, both active and passive".

A separate EU-funded research project, called Adabts—Automatic Detection of Abnormal Behaviour and Threats in crowded Spaces—is seeking to develop models of "suspicious behaviour" so these can be detected automatically using CCTV and other surveillance methods.

The system would analyse the pitch of people's voices and the way their bodies move, as well as track individuals within crowds.

(Source: The Telegraph, 19 September 2009, <http://tinyurl.com/mr5mwj>)

THE PREDATOR WAR

What Are the Risks of the CIA's Covert Drone Program?

On 5 August, officials at the Central Intelligence Agency, in Langley, Virginia, watched a live video feed relaying close-up footage of one of the most wanted terrorists in Pakistan. Baitullah Mehsud, the leader of the Taliban in Pakistan, could be seen reclining on the rooftop of his father-in-law's house, in Zanghara, a hamlet in South Waziristan. It was a hot summer night, and he was joined outside by his wife and his uncle, a medic. At one point, the remarkably crisp images showed that Mehsud, who suffered from diabetes and a kidney ailment, was receiving an intravenous drip.

The video was being captured by the infrared camera of a Predator drone, a remotely controlled, unmanned plane that had been hovering, undetected, two miles or so above the house. Mehsud was resting on his back. The image remained just as stable when the CIA remotely launched two Hellfire missiles from the Predator. Authorities watched the fiery blast in real time. After the dust cloud dissipated, all that remained of Mehsud was a detached torso. Eleven others died: his wife, his father-in-law, his mother-in-law, a lieutenant, and seven bodyguards.

Pakistan's government considered Mehsud its top enemy, holding him responsible for the vast majority of recent terrorist attacks inside the country, including the assassination of former Prime Minister Benazir Bhutto in December 2007 and the bombing in September 2008 of the Marriott Hotel in Islamabad, which killed more than 50 people.

The US government runs two drone programs. The military's version, which is publicly acknowledged, operates in the recognised war zones of Afghanistan and Iraq, and targets enemies of US troops stationed there. As such, it is an extension of conventional warfare. The CIA's program is aimed at terrorist suspects around the world, including in countries where US troops are not based.

At any given moment the CIA has multiple drones flying over Pakistan, scouting for targets. General Atomics Aeronautical Systems, the defense contractor that manufactures the Predator and its more heavily armed sibling, the Reaper, can barely keep up with the government's demand. The Air Force's fleet has grown from some fifty drones in 2001 to nearly 200; the CIA will not divulge how many drones it operates. The government plans to commission hundreds more, including new generations of tiny "nano" drones, which can fly after their prey like a killer bee through an open window.

With public disenchantment mounting over the US troop deployment in Afghanistan, and the Obama administration divided over whether to escalate the American military presence there, many in Washington support an even greater reliance on Predator strikes.

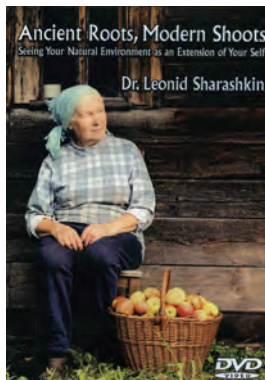
It's easy to understand the appeal of a "push-button" approach to fighting al-Qaeda, but the embrace of the Predator program has occurred with remarkably little public discussion, given that it represents a radically new and geographically unbounded use of state-sanctioned lethal force. And, because of the CIA program's secrecy, there is no visible system of accountability in place, despite the fact that the agency has killed many civilians inside a politically fragile, nuclear-armed country with which the US is not at war.

Meanwhile, some social critics, such as Mary Dudziak, a professor at the University of Southern California's Gould School of Law, argue that the Predator strategy has a larger political cost. As Dudziak puts it, "Drones are a technological step that further isolates the American people from military action, undermining political checks on...endless war."

(Source: By Jane Mayer, The New Yorker, 26 October 2009, pp. 36-45)

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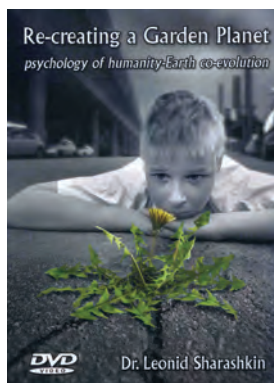
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PROJECT CENSORED'S TOP 25 NEWS STORIES

The team from Project Censored once again highlights the most important national and global news stories of the past 18 months that received little or no coverage by the US corporate media.

Compiled by

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Each year, the Project Censored team from Sonoma State University, California, selects and evaluates thousands of published news stories by journalists working in the national and international mainstream as well as the alternative press. Students, faculty staff and community experts participate in this process, which ultimately decides on the top 25 stories that were the most underreported by the US corporate media. Following is an edited summary of Project Censored's 2008–09 selection. To see the full report with sources, references and updates, visit the web page <http://www.projectcensored.org/top-stories/category/two-thousand-and-ten-book/>. — Editor

1. US Congress Sells Out to Wall Street

Federal lawmakers responsible for overseeing the US economy have received millions of dollars from Wall Street firms. Since 2001, eight of the most troubled firms have donated US\$64.2 million to congressional and presidential candidates and the Republican and Democratic parties. As senators, Barack Obama and John McCain received a combined total of \$3.1 million. The donors include investment bankers Bear Stearns, Goldman Sachs, Lehman Brothers, Merrill Lynch and Morgan Stanley, insurer American International Group and mortgage giants Fannie Mae and Freddie Mac.

Some of the top recipients of contributions from companies receiving Troubled Asset Relief Program (TARP) money are the same members of Congress who chair committees charged with regulating the financial sector and overseeing the effectiveness of this unprecedented government program. In total, members of the Senate Committee on Banking, Housing, and Urban Affairs, the Senate Finance Committee and the House Financial Services Committee received \$5.2 million from TARP recipients in the 2007–2008 election cycle. President Obama collected at least \$4.3 million from employees at these companies for his presidential campaign. Nearly every member of the House Financial Services Committee, who in February 2009 oversaw hearings on how the \$700 billion of TARP bail-out was being spent, received contributions associated with these financial institutions during the 2008 election cycle.

In 2004, when the US Securities and Exchange Commission adopted a major rule change that freed investment banks to plunge tens of billions of dollars in borrowed money into sub-prime mortgages and other risky plays, congressional banking committees held no oversight hearings. Congressional inaction also allowed mortgage agents to earn high fees for peddling loans to unqualified homebuyers and prevented states from toughening regulations on predatory lending practices.

By early 2009, a whole series of new government operations had been invented to inject cash into the economy, most of them under the completely secretive control of the financial sector.

2. US Schools More Segregated Today than in 1950s

Schools in the United States are more segregated today than they have been in more than four decades. Millions of non-white students are locked into "dropout factory" high schools, where huge percentages do not graduate and few are well prepared for college or a future in the US economy.

According to a new Civil Rights Project report published at the University of California, Los Angeles, schools in the US are 44 per cent non-white and minorities are rapidly emerging as the majority of public school students. Latinos and blacks, the two largest minority groups, attend schools more segregated today than during the civil rights movement 40 years ago. In Latino and African-American populations, two of every five students attend intensely segregated schools. For Latinos, this increase in segregation reflects growing residential segregation. For blacks, a significant part of the reversal reflects the ending of desegregation plans in public schools throughout the nation.

The Civil Rights Project study shows that the most severe segregation in public schools is in the western states, including California—not in the South, as many people believe.

3. Poaching, Toxic Waste Dumping and Somali Piracy

The international community has come out in force to condemn and declare war on the Somali fishermen pirates, while discreetly protecting the illegal, unreported and unregulated (IUU) fleets from around the world that have been poaching and dumping toxic waste in Somali waters since the fall of the Somali government 18 years ago. In 1991, foreign interests seized the opportunity to begin looting the country's food supply and using its unguarded waters as a dumping ground for nuclear and other toxic waste.

According to the High Seas Task Force (HSTF), there were over 800 IUU fishing vessels in Somali waters at one time in 2005, taking advantage of Somalia's inability to police and control its own waters and fishing grounds. The IUUs poach an estimated US\$450 million in seafood from Somali waters annually. In so doing, they steal an invaluable protein source from some of the world's poorest people and ruin the livelihoods of legitimate fishermen.

Allegations of the dumping of toxic waste, as well as illegal fishing, had been circulating since the early 1990s, but hard evidence emerged when the 2004 tsunami hit the country. The United Nations Environment Program reported that the tsunami washed rusting containers of toxic waste onto the shores of Puntland, northern Somalia.

The UN has disregarded its own findings and has ignored Somali and international appeals to act on the continued ravaging of Somali marine resources and dumping of toxic wastes. Violations have also been largely ignored by the region's maritime authorities.

4. Nuclear Waste Pools in North Carolina

One of the most lethal patches of ground in North America is located in the backwoods of North Carolina, where the Shearon Harris nuclear plant is housed and owned by Progress Energy. The plant contains the largest radioactive waste storage pools in the country. It is not just a nuclear-power-generating station but also a repository for highly radioactive spent fuel rods from two other nuclear plants. The rods are transported by rail and stored in four densely packed pools filled with circulating cold water to keep the waste from heating. The Department of Homeland Security has marked Shearon

Harris as one of the most vulnerable terrorist targets in the nation.

The threat exists, however, without the speculation of terrorist attack. Should the cooling system malfunction, the resulting fire would be virtually unquenchable and could trigger a nuclear meltdown, putting more than 200 million residents in extreme peril. A recent study by Brookhaven Lab estimates that a pool fire could cause

140,000 cancers, contaminate thousands of square miles of land and cause over US\$500 billion in off-site property damage.

The Nuclear Regulatory Commission (NRC) has estimated that there is a 1:100 chance of a pool fire happening under the best of scenarios. Between 1999 and 2003, there were 12 major problems requiring the shutdown of the Shearon Harris plant. According to the NRC, the national average for commercial reactors is one shutdown per 18 months.

5. Europe Blocks US Toxic Products

US deregulation of toxic substances, such as lead in lipsticks, mercury in electronics, and phthalates (endocrine disruptors) in toys, may pose not only disastrous consequences to our health but also to America's economic and political status in the world.

International markets are moving toward a European model of insisting on environmental and consumer safety. A Europe-led revolution in chemical regulation, which requires that thousands of chemicals finally be assessed for their potentially toxic effects on humans and the environment, signals the end of US industry's ability to withhold critical data from the public.

Dangerous chemicals have been identified via the

Should the cooling system malfunction, the resulting fire would be virtually unquenchable and could trigger a nuclear meltdown...

European Union's 2007 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) law, which requires the disclosure of all chemicals sold in the EU in quantities of more than one metric ton per year. Of the 267 chemicals on the potential REACH list, only one-third have ever been tested by the US Environmental Protection Agency and only two are regulated in any form under US law.

6. Lobbyists Buy Congress

According to a study by The Center for Responsive Politics, special interests paid Washington lobbyists US\$3.2 billion in 2008—more than in any other year on record. This was a 13.7 per cent increase from 2007 (which broke the record by 7.7 per cent over 2006).

Health interests spent more on federal lobbying than any other economic sector. Their \$478.5 million guaranteed the crown for the third year, with the finance, insurance and real estate sector a runner-up, spending \$453.5 million. The pharmaceutical/health products industry contributed \$230.9 million, raising their last-11-year total to over \$1.6 billion. The second-biggest spender among industries was electric utilities, which spent \$156.7 million on lobbying, followed by insurance, which spent \$153.2 million, and oil and gas, which paid \$133.2 million. Pro-Israel groups, food processing companies and the oil and gas industry increased their expenditures the most (as a percentage) between 2007 and 2008. Finance, insurance and real estate companies have been competing to get a piece of the \$700 billion bail-out package which Congress approved in late 2008.

This all speaks to the fact that the governmental-military-industrial organism is a symbiotic union of self-interest, greed and lust for power on a level never before seen in history.

7. Obama's Military Appointees Have Corrupt Past

President Obama's retention of Robert Gates as Secretary of Defense makes Gates the first appointee from an outgoing administration of the opposing party to be kept in the position. Over the last two years of the previous administration, Gates was a key implementer of President George W. Bush's Iraq War "surge"—after he replaced Defense Secretary Donald Rumsfeld, who had opposed the escalation.

Obama's appointees to the Department of Defense and to National Intelligence embody many of the worst elements of US national security policy over the past three decades. The valued "decades of experience" these leaders bring are filled with ethical breaches, lies to

Congress, deep conflicts of interest and revolving doors within the US military-industrial complex.

On January 21, 2009, Obama signed an executive order that issued more stringent ethics rules prohibiting lobbyists from serving in agencies they have lobbied in the previous two years. Just two days later, the White House announced that these rules wouldn't apply to the nominee for Deputy Secretary of Defense, William Lynn. He was Senior Vice President for Government Operations and Strategy at defence giant Raytheon and a registered Raytheon lobbyist until July 2008.

Also newly appointed, Robert Hale, Undersecretary of Defense (Comptroller), served as Assistant Secretary of the Air Force in the role of Financial Comptroller from 1994 to 2001. He was responsible, along with Lynn, for

the management of Department of Defense funds.

Admiral Dennis Blair, Obama's pick to head National Intelligence, which oversees all 16 intelligence agencies, was Commander of Military Forces in the Pacific under President Clinton. He played a critical role in backing the Indonesian occupation of East Timor after the US-backed dictator Suharto fell in 1998.

This all speaks to the fact that the governmental-military-industrial organism is a symbiotic union of self-interest, greed and lust for power on a level never before seen in history.

8. Bailed-out Banks and America's Wealthiest Cheat IRS

A 2008 study by the Government Accountability Office (GAO) reported that 83 of the top publicly held US companies have operations in offshore tax havens. Fourteen of these companies, including AIG, Bank of America and Citigroup, received money

from the government bail-out.

The GAO also reported that activities of the Union Bank of Switzerland (UBS) are directly connected to tax avoidance. UBS has enabled wealthy Americans to use tax schemes—some of which are illegal—to cheat the Internal Revenue Service (IRS) out of over US\$20 billion in recent years, according to the Department of Justice. A sponsor of the prestigious Art Basel Miami Beach show, UBS uses the show to find clients looking for advice on tax shelters and how to take advantage of bank secrecy rules.

For corporations, the process of geographic tax avoidance is fairly simple. A US corporation will sell at reduced rates, even at a loss to their own offshore

subsidiaries, and then resell the products at higher prices, paying little or no taxes in the foreign country.

In December 2008, the New York-based bank holding company Goldman Sachs reported its first quarterly loss and then issued a statement that its tax rate was dropping from 34.1 to 1.0 per cent. The company, which received \$10 billion and debt guarantees from the US government in October 2008, expects to pay only \$14 million in taxes worldwide for 2008 compared with \$6 billion for 2007. It cited "changes in geographic earnings mix" as the reason for the decrease.

In an update, Rachel Keeler of *Dollars & Sense* noted: "The G-20 meetings in April of 2009 declared a crackdown on tax havens as the first step to financial recovery. However, the offshore banking world now harbours \$11.5 trillion in individual wealth alone, and many countries will continue to resist regulation and inspections from outside their borders."

9. US Arms Used for War Crimes in Gaza

Israel's repeated firing of US-made white phosphorus shells over densely populated areas of Gaza during its recent military campaign was indiscriminate and is evidence of war crimes, said Human Rights Watch in a report, "Rain of Fire", released on March 25, 2009. The report provides witness accounts of the devastating effects that white phosphorus munitions had on civilians and property in Gaza. Human Rights Watch researchers found spent shells, canister liners and dozens of burnt felt wedges containing white phosphorus on city streets, apartment roofs and residential courtyards as well as at a UN school in Gaza immediately after hostilities ended in January.

The devastating Israeli firepower, unleashed largely on Palestinian civilians in Gaza during the three-week attack starting on December 27, 2008, was fuelled by US-supplied weapons paid for with US tax dollars.

The UN Security Council, Amnesty International, the International Red Cross and voices of protest from around the world demanded a ceasefire. Yet, with shocking lack of regard, both houses of US Congress overwhelmingly endorsed resolutions to support a continuation of Israel's "self-defence".

10. Ecuador Declares Foreign Debt Illegitimate

In November 2008, Ecuador became the first country to undertake an examination of the legitimacy and structure of its foreign debt. An independent debt audit documented hundreds of allegations of irregularity, illegality and illegitimacy in contracts of debt to predatory international lenders. The loans violated

Ecuador's domestic laws, US Securities and Exchange Commission regulations and general principles of international law. Ecuador's use of legitimacy as a legal argument for defaulting set a major precedent.

The country's debt rose from \$1.174 billion in 1970 to over \$14.250 billion in 2006, a 12-fold increase, due in large part to interest rates that rose at the discretion of US banks and the Federal Reserve from six per cent in 1979 to 21 per cent in 1981. Salomon Smith Barney, now part of Citigroup, issued unauthorised restructuring of Ecuador's debt in 2000 that led to exorbitant interest rates, which combined with illegal borrowing by former dictators has turned the country into a major capital exporter to its northern "benefactors".

11. Corporations Profit from Occupation of Palestine

Israeli and international corporations are directly involved in the occupation of Palestine. These occupying

companies lead real estate deals, develop the Israeli colonies and infrastructure, and contribute to the construction and operation of an ethnic separation system including checkpoints, walls and roads. They also supply equipment used in the control and repression of civilians.

The ongoing business of construction in the occupied territories of the West Bank and Golan Heights includes housing developments and extensive

infrastructure projects such as roads and water systems for the exclusive use of Israeli settlers, on lands confiscated from Palestinians. While the US government has on numerous occasions affirmed the illegality of Israeli settlements on Palestinian land, it encourages American support by providing tax deductions for donations to these settlements, which have nearly doubled within a year and are rapidly accelerating.

Extensive grassroots research is being conducted by the Israeli group Coalition of Women for Peace.

12. Mysterious Death of Karl Rove's Election Thief

Karl Rove's chief IT consultant Mike Connell—who was facing subpoena in connection with presidential election fraud in Ohio in 2004—mysteriously died in a private plane crash in 2008. Connell was allegedly the central figure in a longstanding plot to electronically flip votes to Republicans. In July 2008, he was named as a key witness in the case filed against Ohio Secretary of State J. Kenneth Blackwell on August 31, 2006 by Columbus attorneys Clifford Arnebeck and Robert Fittrakis. The case took on fresh momentum in July 2008 when Arnebeck announced a new filing, inspired in part by the coming forward of GOP IT security expert Stephen Spoonamore, who said he was prepared to testify to the plausibility of

Yet, with shocking lack of regard, both houses of US Congress overwhelmingly endorsed resolutions to support a continuation of Israel's "self-defence".

electronic vote-rigging having been carried out in 2004.

Spoonamore testified that the "vote tabulation system [which Connell designed] allowed the introduction of an additional single computer between computer A and computer B". He said: "This centralized collection of all incoming statewide tabulations would make it easy for a single operator, or a preprogrammed 'force balancing computer', to change the results in any way desired by the team controlling the computer C."

Arnebeck presents evidence that Karl Rove threatened Connell, cautioning him that if he didn't "take the fall" for election fraud in Ohio he would face prosecution for supposed lobby law violations.

Connell was an experienced pilot. His plane had been recently serviced. He had been in the nation's capital on still-unknown business before his single-engine plane crashed on December 22, 2008, just three miles short of the runway in Akron, Ohio. The cause of the crash remains unknown.

13. Katrina's Hidden Race War

A shocking report in *The Nation* magazine exposes how white vigilante groups patrolled the streets of New Orleans after hurricane Katrina, shooting at least 11 African-American men.

While most of New Orleans was deluged, word spread that Algiers Point was dry. The National Guard designated the Algiers Point ferry landing an official evacuation site. Facing an influx of refugees, a group of heavily armed white residents sought to seal the area and rid the neighbourhood of "those who didn't belong". As the government collapsed, the city fractured along racial lines. Algiers Point is largely white, while the rest of Algiers is predominantly black.

While the media portrayed African-Americans as looters and thugs, it is now clear that the most serious crimes were committed by gun-toting white males. Local police have never conducted investigations. So far, the crimes have gone unpunished.

14. Congress Invested in Defence Contracts

The nonpartisan Center for Responsive Politics has calculated that more than 151 members of Congress have up to US\$195 million invested in major defence contractors that are earning profits from the US military occupations in Iraq and Afghanistan.

When General David Petraeus, the top US military officer in Iraq, briefed Congress in April 2008, he was

addressing lawmakers who had a lot more than just a political stake in the Iraq occupation. Along with their colleagues in the House and the Senate, the politicians who got a status report from the General and the US Ambassador to Iraq had millions of dollars of their own money invested in companies doing business with the Department of Defense. The investment portfolios include holdings in companies paid billions of dollars each month to support America's military. These companies provide almost everything the military uses, from aircraft and weapons to medical supplies and soft drinks.

15. World Bank Carbon Trade Fiasco

The World Bank is brokering carbon emission trading arrangements that destroy indigenous farmlands around the world. The Clean Development Mechanism (CDM) investment has become a means by which industrialised countries avoid reducing their own emissions through the implementation of "emissions reduction" projects in developing nations.

Many governments have established caps, or limits, on greenhouse gas emissions that can be produced in their countries. Industries can respond to these government-imposed limits by responsibly reducing their emissions, or they can bypass this process entirely by purchasing "carbon credits" from other industries in other parts of the world, who, through CDM investment brokered by the World Bank, trade emission reduction "credits" in order to "offset" excessive emissions. While the World Bank claims that this system "supports sustainable

While the World Bank claims that this system "supports sustainable development... and benefits the poorer communities...", the program has become little more than a corporate profit-boosting enterprise.

development...and benefits the poorer communities of the developing world", the program has become little more than a corporate profit-boosting enterprise.

16. US Repression of Haiti Continues

The US government plans to expropriate and demolish the homes of hundreds of Haitians in the shantytown of Cité Soleil to expand the occupying UN force's military base. The US government contractor DynCorp, a quasi-official arm of the Pentagon and the CIA, is responsible for the base expansion and has been awarded US\$5 million in contracts. The base will house soldiers of the UN Mission to Stabilize Haiti (MINUSTAH). Cité Soleil is the most bullet-ridden battleground of the foreign military occupation, which began after US Special Forces

kidnapped and exiled President Jean-Bertrand Aristide on February 29, 2004. Citizens have since been victimised by recurring massacres at the hands of MINUSTAH.

The State Department's US Agency for International Development (USAID) provided funding for the base expansion—a very unorthodox use of development aid.

Lawyer Evel Fanfan, the president of the Association of University Graduates Motivated for a Haiti with Rights (AUMOHD), says that about 155 buildings would be razed as the base expansion moves forward. As of March 2009, 80 homes have been demolished.

17. The ICC Facilitates US Covert War in Sudan

The USA promoted the International Criminal Court's (ICC's) indictment of Sudan's President Omar al-Bashir for war crimes in Darfur in order to justify continuing western exploitation and military interventions in the resource-rich region.

"America is an opportunist country," said the Sudanese Ambassador to the UN, Abdalmahmood Abdalhaleem Mohamad, at a United Nations press conference. "They want to use the ICC without being a party to it." When asked why his country was being singled out, he said that western nations are eyeing Sudan's newly discovered oil riches.

Western nations have been marginalised in the region, in terms of both oil exploration and arms supplies, by China, which in recent years has become one of Sudan's closest political, economic and military allies. Mohamad said the US, UK and France harbour "a desire to revive their colonial dreams in Sudan".

The ICC was used in the strategy to turn world opinion against al-Bashir and the government of Sudan and to further divide and destabilise the region. The legitimacy of the Court is being questioned as it shows itself to be a tool of western hegemony.

18. Ecuador's Constitutional Rights of Nature

In September 2008, Ecuador became the first country to declare constitutional rights to nature, thus codifying a new system of environmental protection. Reflecting the beliefs and traditions of Ecuador's indigenous peoples, the new constitution declares that nature "has the right to exist, persist, maintain and regenerate its vital cycles, structure, functions and its processes in evolution". It redefines people's relationship with nature by asserting that nature is not an object to be appropriated and exploited but is a rights-bearing entity that should be treated with parity under the law.

Ecuador's leadership may have a global domino effect.

However, for all of the hope and tangible progress that the Rights of Nature articles represent, there are shortcomings and contradictions with the laws and the political reality on the ground. A fundamental flaw exists due to President Rafael Correa's refusal to include a clause mandating free, prior and informed consent by communities for development projects that would affect their local ecosystems. The new mining law, introduced by Correa and backed by Canadian companies, would allow for large-scale open-pit metal mining in pristine Andean highlands and Amazon rainforest.

19. Bank Bail-out Recipients Spent to Defeat Labour

On October 17, 2008, three days after it received US\$25 billion in federal bail-out funds, Bank of America hosted a conference call to organise opposition to the Employee Free Choice Act (EFCA). Participants, including the insurer AIG, were urged to persuade their clients to send

"large contributions" to groups working against the EFCA as well as to vulnerable Senate Republicans who could be used to help block the passage of the pro-labour bill that would make it easier for employees to organise into unions.

According to journalist Sam Stein, reform groups are sending letters to congressional committee chairs and the head of the Congressional Oversight Panel, urging an investigation into whether bail-out recipients

used taxpayer money to benefit political candidates or organisations.

20. Secret Control of Presidential Debates

The Obama and McCain campaigns jointly negotiated a detailed secret contract dictating the terms of the 2008 debates. This included who got to participate, what topics were to be raised and the structure of the debates.

Since 1987, a private corporation created by and for the Republican and Democratic parties, called the Commission on Presidential Debates (CPD), has sponsored the US presidential debates and implemented debate contracts. In order to shield the major party candidates from criticism, CPD has refused to release debate contract information to the public.

Since the CPD took control, presidential debates have been primarily funded by corporate contributions. Multinationals with regulatory interests before Congress have donated millions of dollars to the CPD, and debate sites have become corporate carnivals where sponsoring companies market their products, services and political agendas. Frank Fahrenkopf and Paul Kirk, who co-chair and control the CPD, are registered lobbyists for multinational corporations. Author George Farah points

...the new constitution declares that nature "has the right to exist, persist, maintain and regenerate its vital cycles, structure, functions and its processes in evolution".

out that "Kirk and Fahrenkopf's lobbying practices demonstrate a willingness to protect corporate interests at the expense of voters' interests".

The current structure enables corporations to give money to both the Democratic and Republican parties, which essentially supports their duopoly over the political process and excludes third-party voices that may be hostile to corporate power.

21. Recession Causes States to Cut Welfare

Many states are in the midst of aggressive action to push thousands of eligible mothers off Temporary Assistance to Needy Families (TANF), traditionally known as welfare. Families are being denied aid so that savings can be redirected in state budgets.

Nationally, the number of welfare recipients fell more than 40 per cent between 2001 and June 2008. Louisiana, Texas and Illinois have each dropped 80 per cent of adult recipients since January 2001. Georgia had a 90 per cent drop, with fewer than 2,500 adults receiving benefits, down from 28,000 in 2004.

In 2006, the Georgia Coalition Against Domestic Violence conducted a survey to find out why so many women were suddenly failing to get benefits. They discovered that caseworkers actively discouraged women from applying and reportedly told applicants they would have to be surgically sterilised before they could apply for TANF. Disabled women were told they couldn't apply because they didn't meet work requirements. Others were warned that the state could take their children if they applied for benefits. Women are increasingly vulnerable to sexual assault and exploitation—sometimes by the state officials or caseworkers assigned to help them. Arrests of women for prostitution and petty crime went up as more and more families were denied welfare.

22. Obama's Trilateral Commission Team

President Barack Obama appointed 11 members of the Trilateral Commission to top-level and key positions in his administration within his first 10 days in office. This represents a very narrow source of international leadership inside the administration.

Obama was groomed for the presidency by key members of the Trilateral Commission. Most notably, Zbigniew Brzezinski, co-founder of the Trilateral Commission with David Rockefeller in 1973, has been

Obama's principal foreign policy adviser.

According to official Trilateral Commission membership lists, there are only 87 members from the USA (the other 337 members are from other countries). Thus, within two weeks of Obama's inauguration, his appointments encompassed more than 12 per cent of the Commission's entire US membership.

Trilateral appointees include: Secretary of the Treasury, Tim Geithner; Ambassador to the United Nations, Susan Rice; National Security Advisor, Gen. James L. Jones; Deputy National Security Advisor, Thomas Donilon; Chairman, Economic Recovery Advisory Board, Paul Volcker; Director of National Intelligence, Admiral Dennis

C. Blair; Assistant Secretary of State for East Asian and Pacific Affairs, Kurt M. Campbell; Deputy Secretary of State, James Steinberg; State Department Special Envoy, Richard Haass; State Department Special Envoy, Dennis Ross; and State Department Special Envoy, Richard Holbrooke.

The originally stated purpose of the Trilateral Commission was to create a "New International Economic Order". Its current statement has morphed into fostering "closer cooperation among these core democratic industrialized areas of the world with shared leadership responsibilities in the wider international system".

23. Activists Slam Water Forum

Water rights activists blasted the World Water Forum, held in Turkey in late March 2009, as a corporate trade show promoting the privatisation of water. The forum opened with police firing tear gas and detaining protesters shouting "Water for life, not for

profit".

According to its website, the World Water Forum is "an open, all-inclusive, multi-stakeholder process" where governments, NGOs, businesses and others "create links, debate and attempt to find solutions to achieve water security". However, the Forum's main organiser, the World Water Council, is dominated by two of the world's largest private water corporations, Suez and Veolia Water. Critics contend that the Council's links to Suez and Veolia, as well as the large representation of the business industry, compromise its legitimacy. Corporate interests that make up the World Water Council are in constant contact with the World Bank and other financial institutions. The Council promotes extraordinarily

Obama was groomed for the presidency by key members of the Trilateral Commission. Most notably, Zbigniew Brzezinski...has been Obama's principal foreign policy adviser.

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GENETIC MANIPULATIONS: AN ENGINEERING DISASTER?

The application of GM technologies in agriculture is proceeding apace, with scant regard for impacts on health and the environment, and may even be implicated in the collapse of honey bee colonies around the world.

by Charu Bahri © 2009

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Should genetically modified (GM) foods be introduced into our food chain? It's a debate that shouldn't be allowed to die down, quelled by major agricultural corporations citing research validating the essentiality and safety of genetic manipulation of plant and animal organisms. Caught somewhere between these claims and the counter-claims of scientists questioning the long-term safety and relevance of genetic engineering—the cutting-edge technique used to create GM organisms—are scores of consumers like you and I, who deserve to be given the lowdown on GM foods and genetic engineering every once in a while. The reason is simply because, while the latest breakthroughs made by scientists engaged in furthering or negating the technique of genetic engineering may or may not be grabbing headlines, GM foodstuffs are more than likely already making it to the shelves of supermarkets around you. And let's face it: you should know whether to buy or shun these products and why. So, let's review the basics up to the latest research into genetic engineering.

A primer on genetic engineering and its agricultural products

To start from scratch, a GM organism is a plant or animal having a modified gene code. That is to say, scientists apply molecular biology techniques such as the use of a vector virus or a gene gun to shoot a desired gene into the genes of a target organism, thus altering its genome. The desirability of certain genes representing favourable traits in other plant or non-plant organisms is the key to understanding the whys and wherefores behind genetic engineering, as the process is called.

By and large, gene manipulations aimed at enhancing the desirable traits of an organism centre around the need for humanity to produce more food, at a lower cost and with less wastage attributed to crop losses caused by pests, to feed its teeming millions. It's a lofty aim, considering that the world's population has topped six billion people and is predicted to surpass nine billion by 2050.¹ Ensuring adequate food for humanity's burgeoning billions is already a challenge, and will undoubtedly emerge to be an even greater one in the years to come.

In this context, advocates of genetic engineering claim that by making it possible to isolate and introduce desirable genes such as a drought-tolerant or a salinity-tolerant gene into essential food crops like potatoes, the method will create plants that may be grown in drought-prone arid landscapes or in areas where the soil or groundwater are known to be saline, thereby enabling agriculture in hitherto inhospitable lands.² Transgenic crops, as GM plants are also known, are slated to be environmentally friendly in that, since farmers supposedly require lesser quantities of herbicides, pesticides and fertilisers to protect these crops from weeds and pests, the run-off from these crops is less likely to pollute over-ground waterways and groundwater aquifers. Scientists also claim that GM crops are less prone to fall prey to diseases and adverse environmental conditions like frost, which is known to destroy sensitive seedlings. Genetic engineers aim to work around this loss of agricultural

produce by introducing an antifreeze protein gene from polar fish or insects into plants such as tomato to enhance their ability to tolerate cold temperatures that would normally kill unmodified seedlings.³

Arguably, the best-known example of genetic engineering is the creation of Bt corn. *Bacillus thuringiensis* (Bt) is a naturally occurring bacterium producing crystal proteins that are lethal to insect larvae. By introducing the gene controlling the production of these crystal proteins into corn seeds, scientists have been able to create a variety of corn that produces its own pesticide against insects such as the European corn borer. Close on the heels of this breakthrough came the development of Bt cotton and a host of other GM variants of soybean, maize, canola and so on.

The benefits attributed to growing GM crops, and the powerful lobby of multinational agricultural corporations engaged in furthering the research and adoption of GM crops, have led to a rapid increase in their plantings worldwide over the last decade or so. The Global Acreage 2008 report, released in February 2009, estimates that the area dedicated to GM crops rose in 2008 by 9.4 per cent (*vis-à-vis* the preceding year) to 125 million hectares. Compare this with just 4.3 million acres (~1.74 million hectares) growing GM crops in 1996! In all, 25 countries are now using genetic engineering on a commercial scale, with Bolivia, Egypt and Burkina Faso being the newest entrants to this group. Apparently, according to the report, about 70 per cent of the worldwide production of soybeans in 2008 consisted of GM soybeans while the share of GM cotton was 47 per cent. Countries with the largest plantings of GM crops are the USA (62.5 million hectares), Argentina (21), Brazil (15.8), India (7.6) and Canada (7.6). Even China, Paraguay and South Africa each cultivated GM crops covering an area of over one million hectares. To add to that, the International Service for the Acquisition of Agri-Biotech Applications' annual report on the global crop situation estimates that, globally, 13.3 million farmers used GM crops in 2008, which is 1.3 million more than in the previous year.⁴

As GM crops are slowly adopted by more farmers in greater parts of the world, a growing number of environmental activists, religious organisations, public interest groups and scientists are slamming agro majors for their lack of foresight in profiteering without concern for the long-term consequences of meddling with the environment. At the forefront of their concerns is the impact of genetic manipulations on the fragile ecosystem that has sustained the Earth and humanity since time immemorial.

Some of the probable environmental fall-outs from GM crops are cited as unintended harm to other organisms, reduced effectiveness of pesticides, and gene transfer to non-target species. Could these fall-outs lead humanity to the brink of disaster, such that the supposed benefits of GM crops like higher yields and so on are wholly negated? It is possible, as may be gauged from research looking into the odds of GM crops causing unintended harm to honey bees.

Fears over disappearing bees

I opt to highlight this unintended harm to honey bees, over and above the potential adverse impact of GM crops on other species, as honey bees are invaluable to the pollination of no less than one quarter of a million species of flowering plants, many of which are crucial to world agriculture.⁵ Is it surprising, then, that the bee was voted the most invaluable species on the planet at the Earthwatch debate held in November 2008?⁶

As if that were not enough, bees increase the yields of around 90 crops, such as apples, blueberries and cucumbers, by up to 30 per cent, so many fruits and vegetables would become scarce and prohibitively expensive if bees were wiped out. In addition, many of our medicines, both conventional and alternative remedies, come from flowering plants. Cotton is another essential product pollinated by the bee, so we

could say goodbye to cheap garments if bees were made extinct. What's more, it's not just the human race that would suffer. Birds and small mammals that feed off berries and seeds that rely on bee pollination would die of hunger, and in turn their predators—the omnivores or carnivores that continue the food chain—would also starve. It's true that we could survive on wind-pollinated grains and fish, but there would be wars for the control of dwindling food supplies.⁷ If you think about it, wouldn't that defeat the most noble of purposes—enhancing global food supplies—that GM crops are said to meet?

Although other insects and animals, bats, butterflies and even wasps pollinate, none is designed to be a veritable pollinator machine like the bee. Consider these statistics. The value of honey bees' services as pollinators in just the European Union, for instance, has been estimated at around £3 billion per year.⁸ Honey bees are said to contribute over US\$14 billion to the value of crop production in the USA.⁹

Indeed, agriculture and possibly even the continuance of the human race as we know it are at risk if bees become extinct. So far, however, it is only beekeepers who are an increasingly worried lot, as GM crops are rapidly becoming a regular feature of agricultural

Some of the probable environmental fall-outs from GM crops are cited as unintended harm to other organisms, reduced effectiveness of pesticides, and gene transfer...

landscapes in spite of insufficient research into the long-term effects of pollen from GM crops on the behaviour of bee colonies. On the one hand are beekeepers struggling to cope with the increasing incidence of the honey bee colony collapse disorder (CCD) or honey bee depopulation syndrome (HBDS). On the other hand is the increasingly widespread adoption of GM crops.

The concern expressed by beekeepers stems from the fact that in GM crops such as Bt cotton, one of the most widely grown GM crops worldwide, the DNA representing the insecticidal traits of the common bacterium *Bacillus thuringiensis* is incorporated into the genome of the plant. Consequently, as the plant grows, its Bt gene or primary toxin, a protein scientifically called Cry1Ab, is replicated in every cell of the plant, including its pollen. Whereas previously the bacterium pesticide sprayed on crops to control crop damage from insects like stem- and root-borers and butterfly larvae was only ingested by the target insects, now a natural outcome of growing GM cotton is that the Bt gene present in the pollen is ingested by non-target insects like honey bees. As for the presence of Cry1Ab in beehives, Canadian beekeepers spraying Bt under hive lids to control the wax moth (their larvae cause messy webs on the honey) have noted the disappearance of this moth even in untreated hives, apparently the result of bees ingesting Cry1Ab while foraging in GM canola plants.¹⁰

It is not as though no research has been conducted to evaluate the potential effects of the primary toxin Cry1Ab on non-target species in agricultural ecosystems. Specifically for honey bees, the problem is that most studies only assess the lethal toxicity of pollen. Scientists from Bayer have reported that neither imidacloprid in sunflower seeds dressed with the insecticide¹¹ nor maize seeds dressed with the insecticide or released from the seeds during planting¹² is detrimental to honey bees. What is noteworthy, however, is that the Bayer studies did not deal with sub-lethal behaviour of toxin-exposed bees.

Overall, few studies have investigated the sub-lethal effects of Bt proteins on bees—effects which become apparent only when examining the lethal effect is not the aim of a study—and fewer of these studies have been highlighted in the mainstream media. This implies that beekeepers, let alone the masses, have limited understanding of the potential effects of the Cry1Ab protein on the immune system and on the physiological

and behavioural development of bees. That is, given that the development of physiological structures involved in olfaction and learning performances in larvae and young bees takes place while they are fed pollen, are larvae and young adult bees fed pollen from GM crops at risk of exposure to toxins? Are there any subsequent deleterious effects on the development and learning performance of these young bees as they mature? Learning is of primary importance in honey bee foraging, since impaired learning let alone failure to learn could indirectly lead to colony death due to failure to collect enough food to sustain the hive.

In this context, it is noteworthy to cite a study by R. Ramirez-Romero *et al.*¹⁴ The goal of the study was to assess the potential sub-lethal effects of two

concentrations of the Cry1Ab protein (3.0 parts per billion [ppb] and 5,000 ppb) on three major life traits of young adult honey bees: their survival during sub-chronic exposure to Cry1Ab, the bees' feeding behaviour and their learning performance at the time that they become foragers.

The results of the study are an eye-opener, to say the least. The tested concentrations of Cry1Ab protein did not induce a lethal effect on the honey bees, which means that there was no drastic impact at the scale of entire colonies. However, the feeding behaviour of young adult honey bees that were exposed to the highest concentration of Cry1Ab protein was affected, with the bees taking longer to ingest the contaminated syrup. This could mean that smaller amounts of pollen would be collected. Moreover, honey bees exposed to 5,000 ppb of Cry1Ab had disturbed learning performances which could adversely affect their ability to gather pollen to sustain a hive.

Honey bees are usually able to recognise the absence of food, even when an odour is present, and thus move to seek other sources of food. In terms of foraging optimality, this extinction process, as it is called, is crucial for the exploitation of food resources because it enables foraging honey bees to leave depleted food sources.¹⁵ However, the young adult honey bees studied continued to respond to a conditioned odour even in the absence of a food reward. As a result, foragers could spend more time foraging in sub-optimal or depleted food sources instead of exploring new ones, leading them to collect inadequate food supplies to sustain a hive and eventually to possible colony collapse.

In a small study conducted at the University of Jena in

...in GM crops such as Bt cotton...the DNA representing the insecticidal traits of the common bacterium *Bacillus thuringiensis* is incorporated into the genome of the plant.

Germany between 2001 and 2004, researchers examined the effects of pollen from Bt corn on bees. The study concluded that there was no evidence of a "toxic effect of Bt corn on healthy honey bee populations". But when, by sheer chance, the bees used in the experiments were infested with a parasite, something strange happened: a "significantly stronger decline in the number of bees" occurred among those that had been fed a highly concentrated Bt poison feed. According to the study's director Hans-Hinrich Kaatz, a professor at the University of Halle, Germany, the bacterial toxin in the GM corn may have "...altered the surface of the bees' intestines, sufficiently weakening the bees to allow the parasites to gain entry—or perhaps it was the other way around. We don't know." This study led German beekeeping official Walter Haefeker to hypothesize that, "besides a number of other factors", the fact that GM insect-resistant plants are now used in 40 per cent of cornfields in the United States could be playing a role in the increasingly widespread collapse of bee colonies.¹⁶

Certainly, honey bees are declining in areas where GM crops are widely grown and also in areas where GM crops are released in small test plots. Speculating on the common thread linking these facts, Professor Joe Cummins has identified the universal use of systemic pesticide seed dressings to protect newly sprouted GM seeds at a vulnerable time in the development of the seedling—in particular, the widespread application of a relatively new class of systemic insecticides, the neonicotinoids (including imidacloprid, thiamethoxam, clothianidin and several others), which are highly toxic to insects, including bees, at very low concentrations.

In his paper "Requiem for the Honeybee",¹⁷ Cummins has quoted multiple studies suggesting that imidacloprid is harmful to honey bee colonies. For instance, scientists led by the National Institute of Beekeeping in Bologna, Italy, found that pollen obtained from seeds dressed with imidacloprid contained significant levels of the insecticide; they suggested that the polluted pollen was one of the main causes of honey bee colony collapse.¹⁸ An analysis of maize and sunflower crops, originating from seeds dressed with imidacloprid, indicated that large amounts of the insecticide were carried back to honey bee colonies.¹⁹ Sub-lethal doses of imidacloprid in sucrose solution were found to affect the homing and foraging activities of honey bees: those fed with 500 or 1,000 ppb of the insecticide failed to return to the hive and disappeared altogether, while bees that imbibed a 100 ppb solution were delayed for 24 hours as compared with control bees.²⁰ Imidacloprid in sucrose solution fed

to bees in a laboratory was found to impair their communication for a few hours.²¹ Sub-lethal doses of imidacloprid in laboratory and field experiments decreased the bees' flight activity and olfactory discrimination and also impaired their olfactory learning performance.²²

If nothing else, this body of research suggests that there is a pressing need for a moratorium on the commercial production of GM crops until such time as the long-term repercussions and safety of genetic manipulations can be ascertained.

Already, research looking into the yields of GM crops and their need for pesticides is showing that a majority of genetically engineered crops currently in cultivation neither show higher yields nor require lesser quantities of pesticides to grow. After reviewing over 8,200 university trials in 1998, Dr Charles Benbrook, former director of the Board on Agriculture at the US National Academy of Sciences, found that GM Roundup Ready soybeans

yielded an average of 5–10 per cent less than similar natural varieties. He also found that farmers used an average of 2–10 times more herbicide (Roundup) on Roundup Ready soybeans than on conventional ones. The only reason farmers seem to prefer Roundup Ready soybeans is because they simplify management of large chemical-intensive farms by, for example, allowing them to spray larger doses of herbicides from planes

onto crops engineered to be resistant to the particular herbicide.²³

Certainly, honey bees are declining in areas where GM crops are widely grown and also in areas where GM crops are released in small test plots.

Health concerns with GM plants

Leaving aside the issue of the sustenance of bees and other environmental fall-outs, the health impact of GM crops is also questionable. For instance, some humans are already known to be allergic to the pollen in honey produced from conventional crops.²⁴ Now imagine the health risk that would ensue if the new protein introduced into GM crops, which is also found in the pollen they produce, made its way into the honey made by bees ingesting this pollen.²⁵ What emerges is that there is a strong possibility that introducing a foreign gene into a food plant may create a new allergen or cause an allergic reaction in susceptible individuals.

To put it into perspective, this issue should be considered in the light of the large number of children in the USA and Europe who have developed life-threatening allergies to peanuts and other foods. Under normal circumstances, consumers manage food allergies by avoiding foods they know will cause allergic reactions. But when it comes to genetically engineered foods, it is too much to expect that each product containing a GM

food as a minor ingredient is labelled with the source of the foreign genes. How, then, can consumers identify potential allergens?

Already, a project aimed at enhancing the nutritional quality of soybeans (*Glycine max*), by introducing methionine-rich 2S albumin from the Brazil nut (*Bertholletia excelsa*) into transgenic soybeans, has been shelved for fear of causing unexpected allergic reactions. A study published in the *New England Journal of Medicine* proved that individuals who were allergic to Brazil nuts suffered the same allergic reaction when they consumed GM soybeans containing the Brazil nut genes.²⁶

What's more, it is pertinent to mention that this instance of genetic engineering was desired to be taken up to enhance the nutritional status of soybeans by making up for the relative deficiency of methionine in the protein fraction of the seeds. However, in a study published in *The Journal of Medicinal Foods*, Dr Marc Lappé *et al.* found that GM soybeans contained fewer phyto-oestrogens than natural soybeans.²⁷ Phyto-oestrogens are associated with protection against heart disease, osteoporosis (bone loss) and breast cancer. The GM soybeans were found to be 12–14 per cent lower in phyto-oestrogens compared with their unmodified counterparts—a significant nutritional difference. And yet, foods that have been engineered for a longer shelf-life may exhibit counterfeit freshness. That is, genetic engineering may mislead consumers into buying fruits and vegetables that have the appearance of ripeness without the accompanying nutritional quality or flavour.²⁸

An article published in *The Lancet* examined the effects of GM potatoes on the digestive tract in rats.²⁹ This study, conducted by Dr Árpád Pusztai—a world authority on plant proteins, called lectins, at the Rowett Research Institute (RRI) in Scotland—and his colleague Dr Stanley Ewen over 30 months between 1995 and 1998, involved the use of GM potatoes expressing the gene for snowdrop lectin (*Galanthus nivalis* agglutinin, or GNA) as feed for the rats. (Incidentally, snowdrop has a small white flower that hangs from a bulb and blooms in spring, while lectin is a protein normally obtained from plants that have antibody characteristics.) They found that the feeding impaired the rats' digestive system. Pusztai was surprised, since in six years of prior work with snowdrop lectin he had observed no toxic effect when it was used as a protein supplement mixed in with the feed. Yet when the lectin

was genetically expressed, it showed deleterious health effects.

The fall-out was huge, even before their paper was published. Critics slammed Pusztai and Evans, declaring their research flawed and not holding up to scientific scrutiny (in spite of the fact that their paper was accepted for publishing in *The Lancet*). With no consideration for the authors' explanations, they said that the gene introduced into the potatoes was a snowdrop flower lectin, a substance believed to be toxic to mammals—although Pusztai had previously shown it to not be toxic to mammals. As the last straw, Pusztai's research papers and data were seized and he was removed from service, having worked at the RRI for 36 years, seemingly for having spoken out about these findings on the effects of GM food. The findings ran counter to the prevailing

belief that GM foods are safe and the testing procedures to establish their safety are adequate.

In an interview in 2000, Dr Pusztai explained the need for extensive and exhaustive research into GM foods, saying: "We don't eat snowdrop, nor do we eat *Bacillus thuringiensis* [Bt] toxin. We now have genetically modified Bt corn and Bt potatoes. We don't eat a lot of these things in GM foods that are now being sold. So it should be in our interest to get [them] properly tested."³⁰

When Pusztai and Evans tested the lectin in the diet, they used it in as high a concentration as a milligram per gram level and it did not do any harm. But in the case of genetic modification, they found problems at a concentration of a hundredfold less. Summing up the message the study sends out, Pusztai said in the same interview: "Our studies clearly show that the effects were not due to that little gene expression, but it depended

on the way the gene had been inserted into the potato genome and what it did to the potato genome. That is why industry and politicians reacted so strongly against me."³¹

Problems with genetic manipulation of animals

What is a pity is that the industry propagating genetic manipulations is very powerful and is going full steam ahead with its work. Genetic engineering is already by no means limited to the world of plants. Research is underway on introducing genes from organisms which

What emerges is that there is a strong possibility that introducing a foreign gene into a food plant may create a new allergen or cause an allergic reaction in susceptible individuals.

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The Ringing Cedars - a stunning series of books from Russia

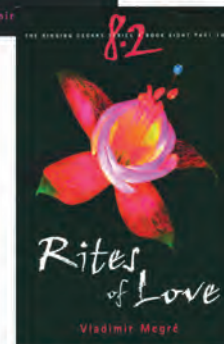
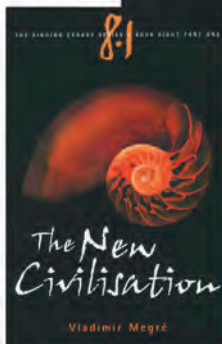
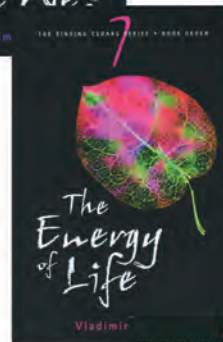
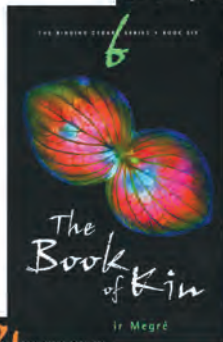


In 1994 a Siberian elder told the entrepreneur Vladimir Megré a fascinating story about the “ringing cedars” - trees respected from Biblical times for their curative powers and the capacity to reconnect human beings with the Divine. The elder told him where such a ringing cedar was growing in the Siberian backwoods.

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HOW SCIENTIFIC IS SCIENTIFIC MEDICINE?

Modern medicine is not living up to its claim of being evidence based and seems to be at war with nature, but an integral science of medicine that focuses on strengthening the body's defences rather than attacking the invaders is producing powerful healing results.

by Len Saputo, MD
with Byron Belitsos
© September 2009

Extracted from chapter 3 of
A Return to Healing
(Origin Press, California, 2009)
Website:
<http://www.areturntohealing.com>

What would you think if there were an inexpensive, safe, simple and highly effective treatment for easing pain and speeding up healing by about 50 per cent, but it was not yet approved by the US Food and Drug Administration (FDA) which was ignoring it? Could this be because of a conspiracy against the technology? What if there was good research behind the new treatment, and yet mainstream medical journals made ridiculous excuses for refusing to publish it? Have I piqued your interest yet?

Further, could there be such an all-encompassing conspiracy resulting in millions of people continuing to suffer needlessly because they were being deprived of a treatment that could reduce or eliminate the need for drugs? Would the makers of more than 40 blockbuster drugs object if these drugs were no longer in such high demand? And if all this were actually happening, would you not be morally outraged?

A revolutionary technology ignored by mainstream medicine

Let me tell you an amazing personal story, and let's see what you think.

In 1999, I contacted an electrical engineer named Maurice Bales after reading an ad that his company, Bales Scientific, had placed in a medical journal. The ad seemed a bit outrageous in its claims, and I was about to toss the journal into the wastebasket when I noticed that his phone number was local. Curious, I called him. Maurice said he had invented a device, called a photon stimulator, that emitted near-infrared light of a certain frequency, which he claimed could relieve most kinds of pain. I didn't believe him at first. If what he was claiming was correct, then why wasn't something this impressive already being used in clinical practice?

Yet Maurice seemed honest. And he wasn't trying to sell me anything; he only wanted the chance to show me that it worked and see what I thought. He invited me to bring patients suffering from pain to his office for a free demonstration. Reluctantly, I agreed. I didn't have time to waste on something I suspected was much overrated, but I was curious. If somehow he was correct, I wanted to know about it.

I invited two patients with severe pain to try the treatment. One had multiple sclerosis (MS) and was for the most part bedridden with pain and unable to walk without crutches. The other patient had a ruptured lumbar disc that was causing intractable pain in his lower back. To my shock, both patients were substantially improved in just one 15-minute treatment with Maurice's light! Over the next couple of weeks, the man with MS remained in far less pain after a total of eight treatments. He was up out of bed most of the day, could walk more upright and even returned to full-time work. The treatments did not change the overall progression of his disease process, but for a year he was much improved and was very appreciative for what they did. The other patient had significant but only temporary relief of his symptoms after a similar number of treatments.

I was by now becoming captivated by Maurice's technology. He invited me to bring two or three of my patients to his office after work from 5.00 to 7.00 pm on Mondays, Wednesdays and Fridays for the next three months. These patients had a wide variety of painful conditions that included disc problems, carpal tunnel syndrome, tennis elbow, sports and other traumatic injuries, neuropathic pain, headaches, TMJ problems (inflammation of the joint that connects the jaw to the skull) and much more. The device worked to some degree on each one!

By the end of this period, I began to expect that almost anyone with pain would be helped by Maurice's "magic" light. Maurice thereupon generously set me up with a lot of expensive equipment so that I could help people and also bring the technology forward. He was passionate about disseminating his light therapy, but I was the only MD he could persuade to try it.

Over a decade, my practice in pain management treatment has grown to the point that it now consumes about half of my time. Along the way, Maurice also coached me regarding the importance of using varying combinations of other adjunctive disciplines, such as physical therapy, many styles of bodywork, chiropractic, guided imagery, acupuncture, psychology and applied kinesiology in conjunction with near-infrared light therapy through photonic stimulation. Since we got started with this work in 1999, I have treated literally thousands of patients. The vast majority are very appreciative of what this technology has done for them, and they have enthusiastically referred many of their friends to become my patients.

How do the photons work? Generally speaking, they excite electrons within the energy-producing mitochondria of cells in injured tissues. This process is thought to enable these cells to increase their production of ATP, the energy currency of our cells, and thereby stimulate the return of more normal cellular physiology. An additional effect is increased blood flow to injured tissues, which promotes both pain relief and faster healing. Finally, as a pioneering physician using photonic stimulation, I felt compelled to go the next step.

In 2004, Maurice and I, and a few others at the Health Medicine Center, self-funded a clinical trial on 120 patients suffering from advanced painful diabetic neuropathy, a debilitating condition. The trial was carried out at the VA Medical Center in nearby Martinez, California. Our team included 10 experts in pain management, who provided a variety of contributions to the study, including specific research tools.

Our objective was to show that just four treatments of seven minutes each on four successive days using photonic stimulation could relieve pain, improve sensation and improve balance.

A strong scientific article that I co-authored with VA Medical Center physicians and University of California, San Francisco (UCSF) School of Medicine researchers showed conclusively that photonic stimulation is a valuable tool in treating people with diabetic neuropathy. In many ways, this was an unprecedented result: I can't think of any new medical device that does so much for such a small investment of time, money and expertise, especially when compared with the alternatives that are now used in clinical practice. Our article, which lays out this startling evidence, has been presented to many relevant medical journals over a period of two years, but with no success. Their excuses for not publishing it have originated from either their

total lack of understanding of the technology and an unwillingness to learn it, or what amounts to an unscientific bias that categorically denies that it could have benefits for our patients.

The FDA has also refused to consider giving Maurice Bales approval for the technology's use in the treatment of any aspect of what our study showed, despite our strong data, the obvious safety of the

device and the device's amazing cost-effectiveness. Could this coincide with purported severe management problems at the FDA's division that handles medical devices?

It is not legal for Maurice or me to claim that this device works for the treatment of diabetic neuropathy—although I am permitted to use it without advertising, as with any other "off label" treatment. I don't make specific claims to the public, but I have a constant stream of patients who are happy with the results. I feel a considerable amount of satisfaction when I offer photonic stimulation as part of my practice for a wide range of painful conditions, especially when it's supplemented by the work of other practitioners in my integrative clinic.

Ten years have now passed, yet this revolutionary technology is still not in mainstream medicine. At first, I had no idea that people would resist this information because it sounded too good to be true or that some might even actively interfere with its advancement into clinical practice because of economic conflict of interest. Yet, photonic stimulation is good and it is true. Several of my patients have had what should be considered miraculous cures from their pain.

My experience with photonic stimulation technology

The FDA has also refused to consider giving Maurice Bales approval for the technology's use in the treatment of any aspect of what our study showed...

is not an isolated instance: an amazing array of other suppressed technologies and natural treatments—all backed by strong science and overwhelming evidence like ours—are also covered in many other books. The wheels turn slowly when one is up against those with a financial commitment to a fatally narrow set of tools and concepts. It can be especially egregious when you are the purveyor of a simple, obvious remedy that has the potential to upstage and even make obsolete billion-dollar enterprises.

Just how evidence based is today's medicine?

Still, there is much hope. Even within the narrow paradigm that now prevails, many high-tech scientific achievements that are able to filter through the inertia and resistance of the modern medical establishment are simply brilliant. We have accomplished the almost unimaginable feat of uncovering the human genome and are now on the brink of making advances in stem cell research that promise to revolutionise the practice of medicine.

This exciting research notwithstanding, just how scientific is the medicine being practised in the average clinical setting today?

In 1978, a report by the US Congressional Office of Technology Assessment concluded: "No more than fifteen percent of medical interventions are supported by reliable scientific evidence."⁶ Thirteen years later, in 1991, Richard Smith, editor of the prestigious *British Medical Journal*, came to the same conclusion (BMJ; 303). He went on to comment that "only 1% of the articles in medical journals are scientifically sound and partly because many treatments have not been assessed at all".⁷ And

David Grimes, MD, stated in 1993 in the *Journal of the American Medical Association* (JAMA; 269[23]) that "much, if not most, of contemporary medical practice still lacks a scientific foundation".⁸ Houston, we have a problem!

Of course, scientific method requires that we test any and all claims or new discoveries through the use of clinical trials. Conducting research that is randomised, double blind, placebo controlled and crossed over is the very stuff of genuine modern-day science. Unfortunately, scientists and their sponsors have not always applied this tried-and-true methodology in a way that was scrupulous, careful or even honest. One indicator of the problem is that too many conflicting outcomes emanate from different laboratories or teams

of scientists who are studying the same issues. What on earth causes such large discrepancies in results?

How is one to know where the truth lies? Further, in too many cases, short-term and incomplete studies are used as the primary or sole basis for clinical treatment protocols. This tendency to use shortcuts for getting new drugs or procedures to market has led to the adoption of many dubious treatments that have later been removed from clinical practice because of adverse and sometimes lethal side effects.

The problem is also easily traced to conflicts of interest, usually involving relationships between researchers in universities and the sponsors funding their studies. The amount of money spent by industry in medical research and development was nearly US\$60

billion in 2000, or 60 per cent of the total, far greater than the roughly \$25 billion spent that year by the federal government. Today, about 70 per cent of all funding for clinical drug trials originates from the pharmaceutical industry itself. Remember, these are the folks whose own products are supposedly being objectively and scientifically tested!

It is not uncommon for drug companies to "supervise" the studies they fund at universities, giving them the right to determine what gets published. They reserve the prerogative to write the summaries of the articles themselves, rather than the scientists who did the research. In fact, in some published research articles, the principal investigator had nothing to do with the study except to allow her name to be used—for a fee.

In January 2007, Harvard researchers published an article in the prestigious *PLoS Medicine* online journal, published by the

Public Library of Science, that considered the influence of those who paid for a particular study on the outcome of the study.⁹ They reviewed 111 studies, some paid for by independent groups, the rest funded by industry. They reported these results:

- Industry-funded studies were four to eight times more likely to favour industry interests.
- Thirty-eight per cent of independently funded studies ran against the interests of the funder.

Consider, in addition, this article published in the January 20, 2007, issue of the *British Medical Journal*, titled "What Have We Learnt from Vioxx?" The lead author, Harlan M. Krumholz, the Harold H. Hines, Jr, Professor of Medicine at Yale University, claimed that the

This tendency to use shortcuts for getting new drugs or procedures to market has led to the adoption of many dubious treatments that have later been removed from clinical practice...

pharmaceutical company Merck had not only obscured critical data on the drug's toxicity but had also given a biased presentation of its research and had used ghostwriters to write papers on it. He went on to state that "its [Merck's] behavior may not be any different from that of others in the pharmaceutical or biotechnology industry".¹⁰ Vioxx®, as you may remember, was withdrawn from the market in 2004 after massive litigation and a media uproar resulted when this drug, used as a painkiller worldwide, was linked to many thousands of heart attacks and cardiac deaths and strokes.

Dozens of other cases are almost as blatant. In 2001, for example, TAP Pharmaceuticals pleaded guilty and agreed to pay \$875 million to settle criminal and civil charges brought under the False Claims Act over its fraudulent marketing of Lupron, a drug used for the treatment of cancer.¹¹

To get a sense of proportion, contrast this with evidence for the use of vitamin D as a cancer deterrent. Almost 90 scientific studies over many decades have shown that vitamin D is the cancer-protective factor generated from direct contact with sunlight, reducing cancer risk by up to 50 per cent. A definitive, carefully controlled study published in 2007 on the effect of 1,000 IU/day of vitamin D (with calcium) on cancer incidence showed, after four years, that the cancer risk was 60 per cent lower than with a placebo and 77 per cent lower when corrected for participants who had already had cancers present.¹² Other studies have shown equally significant associations of vitamin D with the reduction of diabetes, number of falls by the elderly, MS and other maladies. Yet, as with the case of the simple technology of photonic stimulation, how much have you heard about this astounding scientific evidence?

A few more crucial points... Randomised, double-blind, placebo-controlled trials are not the only way to validate treatments for clinical practice. Traditional systems such as those in Chinese, Tibetan and Native American medicine are all time tested and have strong empirical value, whether they are tested "scientifically" or not; they have endured for hundreds or even thousands of years for a reason. Nonetheless, as in the case of acupuncture, strict scientific study has progressed greatly in recent years, even as experts debate the proper research methodology to be used to correct for disparities in the skill of a given practitioner and for related variables.

Finally, it should be noted that the scientific method as conventionally applied in medical research strives to

measure the effect of a *single* factor, often a drug or technology, on a symptom or disease. While this approach can provide essential data, often multiple factors are involved in causing illness and many aspects of our physiology must be addressed in providing an effective treatment. For this reason, a new clinical research model has emerged, called an *outcome* study.

In these studies, many treatment modalities are simultaneously varied and the cumulative effect of different sets of variables is measured over time. For example, an integrative physician treating a patient with cancer might seek simultaneously to strengthen the patient's immunity with supplements and herbs, alkalise his pH, support the ability of his gut to digest, absorb and detoxify what is eaten, add high-dose antioxidants and start him on a regimen of exercise and yoga. If in controlled clinical trials the patients on this protocol improved, we'd know the outcome but not the

roles of each of the factors in modifying the course of the illness.

Ethics issues for research scientists and the FDA

Next up is the issue of professional ethics among some medical research scientists. In a July 3, 2006 article titled "Stop Misbehaving!", Ushma S. Neill, executive editor of the prestigious *Journal of Clinical*

Investigation, wrote: "Scientists are usually thought to be beyond reproach, but with the recent spate of high-profile ethical transgressions by scientists, the public's trust in science and scientists is deteriorating. The numerous cases of scientific misconduct that have crossed my desk in the last year leave me disenchanted, disappointed, and disillusioned."¹³

Of course, most scientists are honest and operate with the highest integrity. Yet, every year, a surprising number of scientific medical articles are published that are later found to have been falsified. This kind of ethical misconduct is often related to conflicts of interest involving financial gain, career advancement and personal fame.

Pharmaceutical companies are in business to further the interests of their investors, but doctors and medical schools have no such excuse: Their only responsibility is to patients. "The mission of medical schools and teaching hospitals—and what justifies their tax-exempt status—is to educate the next generation of physicians, carry out scientifically important research, and care for the sickest members of society," wrote former *New England Journal of Medicine* editor-in-chief Marcia Angell in *The New York Review of Books* on January 15, 2009. "It is not to enter into lucrative commercial alliances with the

This kind of ethical misconduct is often related to conflicts of interest involving financial gain, career advancement and personal fame.

pharmaceutical industry. As reprehensible as many industry practices are, I believe the behavior of much of the medical profession is even more culpable."¹⁴

One might claim that we have one final bulwark against an industry riddled with conflicts of interest and the commercial drive for profit: federal government regulation. So, can we trust the FDA to safeguard clinical trials of new drugs and devices to make sure they are conducted properly? It is an appalling but well-known fact that many FDA officials also engage in financial relationships with pharmaceutical and/or technology companies. No wonder that more than four of five Americans surveyed believe that the FDA makes decisions influenced by politics rather than medical science. In fact, in a study published in JAMA in October 2006, this very subject was addressed.¹⁵ The study reported that, of nearly 3,000 FDA panel members who were anonymously interviewed, 28 per cent disclosed a financial relationship within the previous year either with the company that made a drug under discussion or with a competitor. The most common ties were consulting arrangements, research contracts or grants, and stock holdings or other investments.

In response to harsh criticism from Congress and the press after myriad scandals—most involving its approvals of drugs like Vioxx and Lupron that have cost untold tens of thousands of lives—FDA Commissioner Dr Edward von Eschenbach convened a special internal committee of inquiry that included several outside experts to assess whether the FDA is actually able to accomplish its mission. Its final report, "FDA Science and Mission at Risk", issued early in 2008, stated: "*The FDA cannot fulfill its mission because its scientific base has eroded and its scientific organizational structure is weak* [emphasis added]." It went on to state that "its scientific workforce does not have sufficient capacity and capability". Amazingly, it further stated: "The FDA science agenda lacks a coherent structure and vision, as well as effective coordination and prioritization." And among these shocking conclusions was this one: "The FDA does not have the capacity to ensure the safety of food for the nation."¹⁶

Well, at least one government agency has the honesty to indict itself for its own incompetence! But again, how many Americans or even members of Congress have *heard* about this self-indictment?

It is notable that as a result of the erroneous

assumption that mainstream medicine truly is science driven, evidence based and properly regulated, physicians have held all other nonmainstream health care disciplines to standards of research that they often do not realise are far more rigorous than those to which they themselves hold. Physicians have all but ignored the salient fact that many traditional health care disciplines, notably Chinese medicine and Ayurvedic medicine, have been validated over untold generations of trial and error. Their continued use for billions of people in many parts of the world today is a strong testimonial that they do work. Plus, these and other non-western medical disciplines have also been subject to rigorous scientific scrutiny as these cultures have evolved their own scientific establishments and peer-reviewed medical journals.

Physicians have all but ignored the salient fact that many traditional health care disciplines, notably Chinese medicine and Ayurvedic medicine, have been validated over untold generations of trial and error.

Competing scientific models for defining disease and determining treatment

A famous old argument between two well-known 19th-century scientists, Louis Pasteur and Antoine Béchamp, still goes on today. What is the most important factor in determining whether or not we will get sick or die when we are exposed to a microbe? Is it the external invading microbe itself, or is it the body's internal defences—or lack thereof—that make the most difference?

High-tech medicine, following Pasteur, has clearly taken the former position. Its signature activity is that of killing off the microbe, knocking out the cancer and, in general, battling the invasion of any and all disease by means of drugs, technology and surgery. And in a sense, its reigning attitude is that of a *war against nature herself*. This

approach focuses on looking outside of ourselves to find solutions rather than looking inside.

Opposing this view, Béchamp, a scientific contemporary of Pasteur, argued that lifestyle, stress, diet and the like make us vulnerable to disease and that we can protect ourselves by strengthening our natural defences in those places where we have become vulnerable. Béchamp completely rejected Pasteur's ideas and put forward the thesis that our "biological terrain" is the cause of disease. It was Béchamp who proclaimed: "The primary cause of disease is in us, always in us."

Clearly, both perspectives are important and deserve attention. The former approach searches desperately

for magic bullets that can attack disease from the outside. The second focuses on strengthening our inner defences so that we are less vulnerable to illness in the first place. Yet it's clear that Pasteur's prejudice fits much more neatly into a culture in which people prefer to shirk responsibility for their own health.

In the emerging new model of medicine, we are awakening to the fact that primary care should not be focused merely on treating disease from the outside. In an ideal health care system, we would rarely get sick in the first place because the central objective would be to focus *on the inside*—following Béchamp—so as to maintain wellness and vitality through prevention and a strong focus on natural defences. This, again, is what I call true and sustainable *health care*, as opposed to *disease care*.

It can't be stated too often that the cornerstone of a reasonable system of true health care is healthy lifestyle. This includes eating a healthy diet, getting enough exercise and sleep, avoiding stress, maintaining a healthy weight, avoiding toxic exposures, supporting detoxification and, perhaps most important of all, having a meaningful purpose in life.

Neither Pasteur nor Béchamp was entirely right or wrong. They were simply pointing to different ends of a spectrum that explains how we get sick or remain healthy. Healthy lifestyle is on one end of the spectrum, and germs and other factors that "attack" the body are on the other. It is hard to imagine that anyone today would argue against the premise that both factors usually play a role in causing illness. And this insight is at the root of today's evolving concepts within the new discipline that I now call *integral-health medicine*, which methodically integrates insights about both the inner world and the outer environment of the patient, as each is conditioned by its economic, social and cultural contexts.

Most laypersons are unaware that medicine has only a limited understanding of the causes of most chronic diseases. As a result, doctors can rarely direct their mighty high-tech weapons to a definite target. This shortcoming has left the door open for the new, integrally informed model of medicine. This hybrid approach focuses on the premise that the body itself does the healing and that medicine should support this process as its top priority—but that the disinterested scientific search for technologies and drugs that can make people feel better still has a place.

Cellular health: a key concept underlying the new science of medicine

Over the past 40 years, the paradigm more in line with Béchamp's position has been gaining momentum. The importance of lifestyle factors and recognition of the body's innate wisdom concerning its own natural healing abilities are just now beginning to emerge into mainstream thinking. Again, this approach is focused primarily on strengthening the defences of the body rather than on fighting what has "attacked" the body and created malfunction and disease.

According to the model I have adopted in this light, the scientific core of this approach involves four main factors and each is addressed at the cellular level:

- nutritional needs of our cells;
- elimination of toxic substances;
- genetic defects;
- psychospiritual factors.

As surprising and simplistic as it may seem, a great deal of research and clinical observation has shown that varied combinations of these four factors are always the basis for the cause of *every* disease. It is impossible to fall sick if all your cells are functioning perfectly.

Modern medicine is at war with nature

With this brief background on the emerging paradigm of medical science—a key facet of which is based on the factors that affect cellular metabolism—let's return to the competing worldview for a contrasting look.

We've noted that the old approach to medical science is in part modelled on the metaphor of war. Its goal is to defeat illness at almost any cost, acting from a position outside the human body. This war accelerated immensely with the discovery of the germ, which was believed to be responsible for causing disease by invading our bodies. And we have remained at war with these microbes ever since Pasteur's landmark discoveries. Even after the discovery and introduction into medical practice of antibiotics to kill these microscopic invaders, we have persisted in this ongoing fight against nature. In fact, the war escalates every day, and so do the consequences.

For its part, nature has responded to every new antibiotic by developing novel adaptations that create antibiotic-resistant strains of microbes. This has led to the emergence of the lethal bacterium known as methicillin-resistant *Staphylococcus aureus* (MRSA), plus several other highly resistant bacteria such as the

The complicated high-tech approach that underlies modern medicine's quest to triumph over nature ascribes a God-like quality to medical practitioners and researchers.

Pseudomonas and *C. difficile* pathogens. Even the once-easy-to-treat pneumococcal bacteria have become resistant to many antibiotics. Some microbes are now resistant to *all* man-made antibiotics.

Despite all this, few would argue that the discovery of antibiotics did not make a tremendous difference in fighting infection and saving lives. Yet we can see that this advancement has come at a huge price: our war against nature has catalysed a warlike response from nature.

Meanwhile, what about the other end of the Pasteur-Béchamp spectrum? Why haven't we fully addressed the obvious fact that these opportunistic infections usually attack us when our immunity is depressed? Instead, we pursue pharmaceutical and other strategies that are akin to scorched-earth warfare—engaging in battles that both destroy the "enemy" and cause collateral damage to innocent civilians—while ignoring the possibility of creating the conditions of well-being in the first place through trade, cultural exchange, negotiation and conflict resolution.

It has taken more than 50 years to appreciate some of the potentially lethal hazards of using increasingly powerful medicines in isolation from other more natural and supportive strategies. Although we have long known about the micro-ecosystems that inhabit our skin and parts of our respiratory, digestive and genito-urinary systems, we have only recently come to appreciate the significance of interfering with the balances within these systems when we introduce antibiotics into our bodies. These balances are vital to maintaining good health and are profoundly disturbed by antibiotics and a multitude of other factors such as poor diet, stress, immune dysfunction, lack of sleep, poor digestion, many pharmaceutical drugs and a wide range of miscellaneous factors.

We have come to realise that whenever an antibiotic is introduced to kill a certain microbe that has caused an infection, only those microbes that are able to survive in the presence of the antibiotic will be able to remain in the body; the others, of course, will succumb to the treatment. These ecosystems will remain radically altered until each individual milieu can be restored. This is done by re-creating the delicate and sometimes tenuous balance between the defence systems of our bodies and those of the resistant microbes that still reside in the intestinal tract, skin, vagina, tears and upper-respiratory tract.

Of course, if the bacteria causing a disease are *not* killed by the antibiotic, they can be considered to be

especially resilient and may have the potential to become drug-resistant super-strains. It should be remembered that these bugs live in everyone, but they become pathogenic only when their numbers increase above a certain level. When we open up the biological terrain by killing the friendly microbes that protect us, these bacteria overgrow and reach the critical mass they need to cause damage to our tissues.

Because of our inattention to these large issues, MRSA infections are now responsible for thousands of deaths every year in our hospitals. An article published in the *Lancet* in June 2006 reported that more than two million people worldwide now passively carry MRSA in their bodies;²⁶ thus MRSA has become part of our new "normal" microflora. Although these microbes are harmless to most carriers, when they are passed to immunocompromised people a lethal infection can occur—not only in our hospitals but also now in our communities. While MRSA bacteria are harmless to most carriers because they persist in only very small numbers, when they are passed to immunocompromised people—or if in normal people antibiotics have widened the turf for their growth in the gut—there is the possibility for their overgrowth and lethal infection.

The statistics tell the story. According to an article published in e-Medicine in

January 2009, five per cent of all acute-care admissions studied between 1986 and 1998 were complicated by hospital-acquired infections. This amounted to two million infections and 90,000 deaths, at a cost of US\$4.5 billion annually.²⁷

The complicated high-tech approach that underlies modern medicine's quest to triumph over nature ascribes a God-like quality to medical practitioners and researchers. This belief system has tended to erode the collaboration and partnership between physician and patient—and of the two of them with nature—and has led to the attitudes of "We can take care of you, even if you don't take care of yourself" and "You can leave the treatment to us".

We have become comfortable relying on an incomplete model of science and medicine to solve our health issues and have relinquished much of our personal responsibility to live a healthy lifestyle and build an ecologically sustainable world. A vast industry—sometimes known as the *medical-pharmaceutical-industrial complex*—has grown around this one-sided model of health care, with its questionable claim of being based upon genuine science. ∞

This hybrid approach focuses on the premise that the body itself does the healing and that medicine should support this process as its top priority...

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THE UNTOLD TRUTH ABOUT CANCER

The US medical establishment once accepted a microbial cause of cancer, but in 1910 it did an about-face and from thereon refused to accept the validity of scientific studies that proved the existence of a cancer germ.

Part 1 of 2

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The word "cancer" is of Latin derivation and means "crab". Today, cancer "cure" is a vast industry. But by the turn of the 20th century, the medical profession had come to the conclusion that it was not a matter of whether infectious disease caused cancer, but of which one. For over 200 years, a cancer germ had been discovered and rediscovered, named and renamed, each scientist adding to the knowledge but to no avail. Then, in 1910, certain American medical powers did a 180-degree rotation, deciding that cancer was not caused by a microbe and that anyone who thought otherwise was a heretic, a charlatan or a quack.

Dr Virginia Wuerthele-Caspe Livingston and her network were none of the above, their meticulous peer-reviewed research and publications produced at the height of US post-World War II technology. Dr Dean Burk, who co-founded the US National Cancer Institute and headed its cell chemistry department for 34 years, went so far as to say that Livingston's cancer germ was as real and certain as anything known about cancer. Researcher Dr Alan Cantwell, Jr, grew up thinking that all germs responsible for the important diseases were supposed to have been discovered already. But much to his dismay, he found one that had been left out: the cancer germ. Cantwell knew that Livingston had already been branded by the medical orthodoxy for finding this cancer germ—thus, what he thought to be perhaps the major discovery of the 20th century was left largely discredited.

The striking analogy between cancer and tuberculosis (TB) was noticed long before the tubercle bacillus was discovered. In 1877, Sir John Simon clearly pointed out the similarity and in fact argued very strongly in favour of a microbial mycobacterial origin for cancer. Since then, literally thousands of articles and texts have shown malignant changes to spring from tuberculous infection. But Sir John's vindication would have to wait for Livingston's germ which, although tuberculosis-like, was not tuberculosis but an atypical form of this mycobacterium, melded from the mycobacterium and other related Actinomycetales. Had medical science, and the powers that be, spent as much time in investigating and destroying Livingston's germ as they did in attacking her and those around her, cancer might be curable today.

Hodgkin's cancer under attack

When Virginia Livingston was a student at Bellevue Medical College in New York City, her pathology teacher mentioned rather disparagingly that there was a woman pathologist at Cornell University who thought Hodgkin's disease (a form of glandular cancer) was caused by fowl tuberculosis.¹ This pathologist had published, but no one had confirmed her findings. Afterwards, Livingston compared slides of the two diseases. In Hodgkin's, the giant multinucleated cells were called Reed-Sternberg cells and were similar to the giant cells of tuberculosis which formed to engulf the tubercle

bacilli. Livingston stored away in her memory that this pathologist—Dr Elise L'Esperance—was probably right but would have a difficult time gaining acceptance for her findings.

By 1931, L'Esperance was seeing "acid fast" tuberculosis-like bacteria riddling her Hodgkin's cancer tissue samples. That germ, once injected into guinea pigs, caused them to come down with Hodgkin's, too, fulfilling Koch's postulates. She brought her stained slides to former teacher and prominent Cornell cancer pathologist Dr James Ewing, "the father of oncology". He initially confirmed that her tissue slides indeed showed Hodgkin's. But when he found out that her samples came through guinea pig inoculation with fowl tuberculosis which she had found in humans with Hodgkin's, Ewing, visibly upset, said that the slide samples then could not be cancer.

This reaction betrayed his chequered history as a high-placed medical politician. In 1907, you could have approached Dr James Ewing about a cancer germ and he would have embraced you over it. Was it not Ewing who at one time had proclaimed that tuberculosis followed Hodgkin's cancer "like a shadow"?

But a few years later, Ewing sent a sword through the heart of an infectious cause of cancer with *Neoplastic Diseases*,² becoming an ambitious zealot for radiation therapy with the directorship of what would one day become the Memorial Sloan-Kettering Cancer Center squarely on his mind. His entry lay in the hands of prominent philanthropist James Douglas. A vote for Ewing, Douglas knew, was a vote for continued radiation and so Douglas began sizeable uranium extraction operations from Colorado mines through his company, Phelps Dodge, Inc.³

Soon, Sloan's predecessor became known as a radium hospital and went from an institution with a census of less than 15 per cent of cancer patients—separated by partition, lest their disease spread to others—to a veritable cancer centre. But the very history of radiation revealed its flaws: by the early 1900s, nearly 100 cases of leukaemia had been documented in radium recipients, and not long thereafter it was determined that approximately 100 radiologists had contracted that cancer due to radium exposure.⁴ Still, Ewing, by now an honorary member of the American Radium Society, persisted.

Elise L'Esperance was anything but alone in linking Hodgkin's to a germ called fowl tuberculosis. Historically, Dr Carl Sternberg himself, co-discoverer of Hodgkin's trademark Reed-Sternberg cell, believed that Hodgkin's was caused by tuberculosis. Both Fraenkel

and Much⁵ held, as did L'Esperance, that it was caused by a peculiar form of tuberculosis, such as fowl tuberculosis, and debate over the infectious cause of Hodgkin's waxed the hottest of all the cancers.

Into this arena L'Esperance stepped in 1931, with few listening. Her article "Studies in Hodgkin's Disease" was published in *Annals of Surgery*.⁶ It proved to be the one legacy that no one, not even Ewing (who would soon die from a self-diagnosed cancer), could take away.

Dr Virginia Livingston and cancer's true cause

Our [cancer] cultures were scrutinized over and over again. Strains were sent to many laboratories for identification. None could really classify them. They were something unknown. They had many forms but they always grew up again to be the same thing no matter how they were cultured. They resembled the mycobacteria more than anything else. The tubercle bacillus is a mycobacterium or fungoid bacillus.

—Virginia Livingston, 1972⁷

By 1931, L'Esperance was seeing "acid fast" tuberculosis-like bacteria riddling her Hodgkin's cancer tissue samples.

Virginia Wuerthele-Caspe Livingston was born in 1906 in Meadville, Pennsylvania, and went on to obtain impeccable credentials. Graduating from Vassar College, she received her MD degree from New York University. The first female medical resident ever in New York City, in time Livingston became a school physician in Newark, New Jersey, where one day a staff nurse asked for medical assistance.

The nurse had already been diagnosed with Raynaud's syndrome: the tips of her fingers were ulcerated and bled intermittently. Livingston diagnosed scleroderma, but upon further examination she noticed a hole in the nasal septum, something she had seen previously in the mycobacterial diseases TB and leprosy.

So Livingston approached dermatologist Dr Eva Brodtkin and New Jersey pathologist Dr Roy Allen for confirmation, all the while convinced that mycobacterial infection was causing the scleroderma. She then performed cultures from a sterile nasal swab, and mycobacteria appeared everywhere. When she injected the mycobacteria into experimental chicks and guinea pigs, all but a couple died. During the autopsies, Livingston observed that the guinea pigs had indeed developed the hardened skin patches of scleroderma... some of which were cancerous.⁸

Livingston, now possessed, solicited fresh sterile specimens of cancer from any operating room that would give them to her. All cancer tissues yielded the same acid-fast mycobacteria. Allen confirmed her findings. Livingston then found that she could actually differentiate malignant from benign tissues by their tuberculous mycobacterial content.⁹

But still the explanation for why the cancer germ showed so many different forms was elusive.

Virginia Livingston tried as she might, but part of her problem in obtaining an American validation of her multi-shaped cancer germ lay firmly entrenched in the history of medicine, especially in the constantly changing field of microbiology. Louis Pasteur could handle being quickly rushed off a Paris Academy of Sciences podium to escape harsh reaction to his suggestion that children's milk be boiled first before drinking, but he could not tolerate his rival Antoine Béchamp's statement that a single bacterium could assume many, many forms. However, on his deathbed, Pasteur apparently changed his mind when he said "The terrain is everything"—meaning that the culture or milieu which the bacteria grew on or in could change their shape or characteristics. But it was too late, and even today most conventional microbiologists deny the existence of such form-changing (or pleomorphic) germs.

Dr Robert Koch, "the father of bacteriology" and discoverer of tuberculosis, could have helped. When he first worked with anthrax bacteria, he noticed that anthrax's classical rod shapes became thread-like inside the blood of laboratory mice, and then, after multiplying, they changed again into the same assumed spore-like forms that he later documented in tuberculosis as well.

Aware of what she faced, yet undismayed, Virginia Livingston methodically went about proving cancer's true cause. First in her line of attack were the long-suspected and well-publicised tumour agents of Rous, Bittner and Shope. By photomicrographs, Livingston and her group demonstrated acid-fast mycobacterial forms in each of these so-called "viral" cancers. These included the famed Rous chicken sarcoma.

Early on, Livingston had decided that she needed help in validating her cancer germ, and nobody knew the shapes and staining capacities of mycobacteria-related germs better than bacteriologist Dr Eleanor Alexander-Jackson of Cornell. As far back as 1928, Alexander-Jackson had discovered unusual and, up to that point, unrecognised forms of the TB bacillus, including its filterable forms.

By 1951, Alexander-Jackson was considered *the* expert TB microbiologist at Cornell.

In the same year, another American, Dr H. C. Sweany, proposed that both the granular and other forms of

tuberculosis that passed through a filter caused Hodgkin's cancer.¹⁰ This was subsequently supported in studies by Beinhauer, Mellon and Fisher.^{11, 12} Mellon prophetically warned that tuberculosis could assume both its characteristic red acid-fast forms as well as its blue nonacid-fast forms, indistinguishable from common germs such as staphylococci, fungi and corynebacteria, and that this would surely perplex modern microbiologists.

When the American medical establishment chose to ignore these studies, Alexander-Jackson warned that a so-called cure for TB could be short-lived, as classical TB rods, for the moment gone underground as a nonacid-fast form, could resurface one day and spring back towards destruction. The medical orthodoxy had no

serious time for Alexander-Jackson or her discoveries, but this would not disturb her as long as she focused on tuberculosis and its cousin, leprosy. But when she shifted her focus towards Livingston's cancer germ, the orthodoxy would move to destroy her. She simply posed too great a threat.

Recognition at last

By December 1950, Livingston, who would go on to write over 17 peer-reviewed articles by the end of her career, wrote together with Alexander-Jackson and four other prominent researchers what still stands as a milestone on the infectious nature of cancer.¹³

At the American Medical Association's 1953 New York convention, participants were particularly riveted by an exhibit of Livingston's cancer germ, live. On the TV screen above, the cancer germs seemed indestructible, surviving a five-day experience of intolerable heat from closed-circuit microscopy.

The press, muzzled by Sloan-Kettering's head, Dr Cornelius Rhoads, was not allowed to interview Livingston or report on this exhibit.¹⁴

As Livingston and Alexander-Jackson's work on the cancer germ became more and more convincing, opponents of their work surfaced and became more and more vocal.

Yet with recognition came visitors. Dr George Clark, a pathologist from Scranton, Pennsylvania, told Livingston that he had cultured Dr Thomas Glover's famed cancer germ from human cancer and developed metastasising tumours in animals from it. Clark assured Livingston that Glover was onto the same bacterial pathogen that she was.

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Dr Glover's anti-cancer serum

Clark knew Glover as part of an investigative team of the US Public Health Service (USPHS), headed by Dr George W. McCoy in 1929. Glover had just become too well known to be ignored. His cancer serum was working. Much was at stake. The country was already committed to the idea that cancer could not possibly be an infectious disease, and Glover was saying that he had already isolated the cancer germ. Actually, he had not, but few would believe that it was really Glover's young, tobacco-chewing assistant, Thomas Deaken, who had isolated it.

Deaken had worked his way up New York's health and hospital system from the most menial positions to laboratory assistant. With neither formal medical nor scientific training, he nevertheless learned laboratory protocol. Incredibly, Deaken engineered a geranium-based culture medium, managing to grow out acid-fast tubercular bacteria. Then he inoculated mice and dogs, producing cancer with metastatic spread in every case.

Some time between 1917 and 1918, Deaken produced specific anti-cancer sera by injecting horses with the human cancer germ. Moreover, the sera worked whether in prevention or cure of cancer in his laboratory animals.¹⁵ But Deaken had come to the point where he needed someone to lend credibility to his work, and that someone came in the form of Dr Thomas J. Glover of Toronto, Canada.

It will always be to Glover's credit that he saw the importance and application of Deaken's work from day one. A contract was quickly drawn up and executed. Glover rushed back to open a cancer clinic in Toronto. The serum worked in many but not all cases. However, as Glover's reputation grew, so too did the interest in him from Canada's medical establishment. A subpoena was issued, giving him 21 days to submit a full presentation of his treatment. But Glover was not cooperating. He was in trouble and would soon be chased out of Canada.¹⁶

In 1926, and now in the USA, Glover had his paper "Progress in Cancer Research" published.¹⁷ It presented over 50 cases, most of which went into remission with his serum. It sparked additional notoriety, both in America and abroad.

In 1929, Livingston's friend Dr George Clark joined Dr McCoy, then head of the Hygienic Laboratory of the USPHS. Their intended destination: Glover's laboratory,

now based at New York's Murdock Foundation. Glover was under investigation and McCoy wanted him to repeat his work, this time under Health Service surveillance and in Washington. Glover complied, and he and his team went to the nation's capital to prove their case at what was soon to become the National Institute of Health.

McCoy, the investigator, was impressed by Glover's work, and instead of coming down on Glover he issued in 1937 a letter to Surgeon General Thomas Parran, which spoke in glowing terms of the great importance and significance of Glover's cancer findings. Soon thereafter, McCoy was abruptly and mysteriously replaced by Dr R. H. Thompson.

Mankiewicz not only showed the cancer germ in malignant tissue but significantly demonstrated how it probably evolved from tuberculosis and related micro-organisms when some of the viral phages that lived in them jumped germs...

Dr Parran, a product of orthodox medicine, had a definite agenda. The question before him was whether or not to publish Glover's now finished Washington report, and Parran, despite continued committee approval, was not about to. This sent Glover into a cold rage, which ended with his walking away from Washington to publish independently.

In the meantime, Glover's serum, which had helped and saved so many, was subjected to cursory animal studies and a review without clinical trials before being condemned by government agencies.

Glover eventually returned to Canada, but he would never answer questions as to just what had happened in America.

Focus on breast cancer

Virginia Livingston now went specifically after breast cancer. She had 30 sterile cancerous breasts transported from operating rooms to her lab and isolated cancers from each breast.

When axillary tissue from under the arm was supplied, she cut the cancerous portion from this as well. Livingston and Alexander-Jackson found the cancer germ everywhere; and in the case of underarm glands, even when the pathology report was negative, the cancer micro-organism surfaced.¹⁸

Meanwhile, Cornelius Rhoads, a champion of toxic chemotherapy, had replaced Ewing at Sloan. The head of chemical warfare during the Korean War, Rhoads was deeply committed to chemotherapy and the huge grants it brought from the pharmaceutical industry.

It is poorly recognised that the chemotherapy or "chemo" used against cancer began as a weapon of mass destruction *par excellence*. When the Axis folded at the end of World War II, nitrogen mustard, declassified, first came under real medical scrutiny for cancer treatment.

It was initially evaluated for lymphosarcoma in mice, but human studies soon followed as more and more variants of nitrogen mustard were concocted and tried.¹⁹ Other related classes of chemotherapeutic agents followed, and so did their repercussions. Most had the potential to cause a second, entirely different, cancer.²⁰ Even tamoxifen, first synthesised in 1962, when used for the treatment of breast cancer was associated with a twofold to threefold increased risk of cancers of the uterus lining (endometrial cancers), some of which were high grade with a poor forecast.²¹

Nevertheless, Rhoads remained committed to the treatment and at the same time prepared a series of major roadblocks to stop Livingston. In 1950, he had barred her from presenting her paper on the cancer germ at the symposium of the New York Academy of Sciences by discrediting Dr Irene Diller, the symposium's sponsor, the chief editor of the respected journal *Growth* and a prominent cancer researcher. Diller, like many others, had accepted a gift from a pharmaceutical house at one point.

Livingston had come across Diller in a *Life* magazine article which discussed a Philadelphia cancer researcher who was observing strange fungus-like filaments protruding from cancer cells. Livingston and Alexander-Jackson convinced Diller that her fungal forms (the prefix "myco-" in mycobacterium denotes a germ with fungal properties) were part and parcel of the cancer microbe, and that crucial to the microbe's identification was acid-fast staining.

Alexander-Jackson's elation over the group's infectious breast cancer findings came to an abrupt halt when she was informed by her private physician, Dr Frank Adair, that she had breast cancer. A radical mastectomy was performed at Sloan-Kettering on Adair's advice.

While anxiously waiting for the outcome, Livingston heard her name paged on Sloan's overhead intercom. Rhoads wanted to speak to her regarding Alexander-Jackson's ongoing surgery. It was urgent. Alexander-Jackson was still in the operating room. In Rhoads's office, the two adversaries faced off. Incredibly, Rhoads was asking for permission to go after a cancerous lymph node deep in the middle of Eleanor's chest. Livingston bristled.

"We have been looking for a tumor such as she has," said Rhoads.

Apparently, a radical mastectomy was not enough. He was seeking permission to try a new surgical technique to go after the deep chest node. Livingston had had enough. Just the thought of the cruel, disfiguring procedure made her sick. "Not on your life," she shot back as she left.²²

How bacteria cause cancer

By 1965, Dr Edith Mankiewicz, Director of Laboratories at Montreal's Royal Edward Chest Hospital and Assistant Professor of Bacteriology at McGill University, had established the existence of mycobacteria-like germs inside cancer by examining human cancer tissue. In the bibliography of one of her landmark papers is reference to a personal communication with Dr Eleanor Alexander-Jackson.²³

One of the cancers under Mankiewicz's trained eye was lung cancer. Lung cancer, or bronchogenic cancer, was first reported in the 19th century at a time when it was practically unknown, while mycobacterial disease of the lung, primarily tuberculosis, was so rampant as to be called "white plague" or, in certain circles, "captain of the men of death".

By the middle of the 17th century, one in five deaths was due to tuberculosis, and at the end of the 19th century there was fear that it would destroy the very fabric of civilisation in Europe.

So difficult was it to differentiate tuberculosis from the newly discovered bronchogenic cancer that it was only after cases first mistakenly diagnosed as lung cancer were operated on that the benefits of surgical resection of tuberculosis were recognised.²⁴

Mankiewicz not only showed the cancer germ in malignant tissue but significantly demonstrated how it probably evolved from tuberculosis and

related micro-organisms when some of the viral phages that lived in them jumped germs, bringing genetic materials which altered the target germs' virulence and made them drug resistant.

In fact, beneath her microscope lay a pictorial of how the cancer germ emerged from TB-like bacilli to create pre-malignant change in mammalian tissue.²⁵

By 1970, Sakai Inoue, a PhD from Maebashi, Japan, and Dr Marcus Singer, from Case Western's developmental biology centre, had completed the single most convincing study of how bacteria cause cancer altogether, with TB-like mycobacteria.

Supported by grants from the American Cancer Society and the National Institutes of Health, their study²⁶ used cold-blooded animals, namely the newt or salamander and the frog. But similar studies showed its applicability to mice²⁷ and humans.^{28, 29}

According to Inoue and Singer:

*An organism similar to the mycobacterium described here has been isolated and cultured from tumors and blood of tumorous mammals, including man, and when injected into mice and guinea pigs has been reported to yield a chronic granulomatous disease, neoplasm [cancer], or some intergrade.*³⁰

**It is poorly recognised
that the chemotherapy
or "chemo" used against
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*par excellence.***

Back in the spring of 1953, Dr Sakai Inoue noticed an adult salamander with a hard mass on its stomach. He removed the mass, which turned out to be malignant. Then he injected tissue from the mass into healthy animals. Again, cancer developed. In the work that followed, Inoue and Singer knew from electron micrographs that bacteria were involved, bacteria which stained acid fast: mycobacteria. Inoue inoculated three other types of mycobacteria into healthy animals. All came down with cancer—something that did not happen when other germs such as staphylococcus or streptococcus were used. Amazingly, Inoue and Singer even noted regressions in some of the cancers, especially if very dilute solutions of the germs were used to initiate them. Furthermore, since cancers stemming from "carcinogens" were structurally identical to mycobacteria-induced cancers, the investigators suggested that such "carcinogens" might merely be factors that activate pre-existing infection.³¹ The phages inside mycobacteria are viruses known to be activated by carcinogens such as UV light and chemicals.³² Mankiewicz, five years previously, had shown that these phages, once activated, could cause pre-malignant changes in mammalian tissue.³³

Inoue and Singer's study should have convinced Livingston's opponents once and for all of the veracity of her results, and that she was not mistaking common

contaminants such as staphylococcus or streptococcus for the cancer germ...but it did not.

Continued next issue...

About the Author:

Lawrence Broxmeyer, MD, is an internist and medical researcher. He was on staff at New York affiliate hospitals of SUNY Downstate, Cornell and New York universities for well over a decade, his work including extensive treatment immediately prior to and in the midst of America's AIDS epidemic. In conjunction with colleagues in San Francisco and at the University of Nebraska, he first pursued, as lead author and originator, a novel technique to kill AIDS mycobacteria with outstanding results (see *The Journal of Infectious Diseases* 2002 Oct 15; 186[8]:1155-60). Recently he contributed a chapter regarding these findings in Sleator and Hill's textbook *Patho-biotechnology*, published by Landes Bioscience. Dr Broxmeyer's research covers the most challenging medical problems of our times, including AIDS, Alzheimer's disease, bird flu, cancer, Creutzfeldt-Jakob and "mad cow" diseases, diabetes, heart disease, Parkinson's disease, swine flu, tuberculosis and more. He is the founder and director of The NY Institute of Medical Research in Bayside, New York, USA. Dr Broxmeyer can be contacted by email at nyinstituteofmedicalresearch@yahoo.com and via his website <http://drbroxmeyer.netfirms.com/>.

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THE CLEM ENGINE REBORN

© by Jerry W. Decker, KeelyNet.com
8 November 2009

Back in the mid-1970s, inventor Richard Clem was working for the city of Dallas, Texas, operating heavy equipment when he noticed that a heated asphalt sprayer for paving streets would continue running for many minutes after the gas engine was turned off. This aroused his curiosity, and from this he designed and built a closed system engine that was purported to generate 350 HP and run itself.

The engine weighed about 200 pounds [90 kilograms] and ran on cooking oil at a temperature of 300°F [~149°C]. He installed the engine in a modified automobile chassis and drove the car up and down Central Expressway in Dallas, and even took a trip to El Paso and back. This sensational discovery was in the news at the time.

I was told the engine consisted of a cone mounted on a horizontal axis (we later found out it was vertical). The shaft which supported the cone was hollow, and the cone had spiralling channels cut into it. These wound around the cone, terminating at the cone base in the form of nozzles (rim jets). Construction of the engine was from off-the-shelf components, except for the hollow shaft and the custom cone with the enclosed spiral channels.

When fluid was pumped into the hollow shaft at pressures ranging from 300 to 500 PSI, it moved into the closed spiralling channels of the cone and exited from the nozzles. This action added to the spin of the cone. As the velocity of the fluid increased, so did the rotational speed of the cone. As the speed continued to

increase, the fluid heated up, requiring a heat exchange and filtering process. At a certain velocity, the rotating cone became independent of the drive system and began to operate of itself. The engine ran at speeds of 1800 to 2300 RPM—literally capturing a "tornado in a box".

Shortly after, Richard Clem died from a heart attack. I was told that his papers and models had been removed. Richard's son is said to have taken the only working model of the machine to a farm near Dallas. There it was buried under 10 feet of concrete and has supposedly been running at that depth for several years. So I was told by my first source.

In later conversations, our contact said that the engine had been tested by the Bendix Corporation. The test involved attaching the engine to a dynamometer to measure the amount of horsepower (HP) generated by the engine in its self-running mode. It generated a consistent 350 HP (the fact was, it was 325 HP) for nine consecutive days, which astounded the engineers from Bendix. They concluded that the only source of energy which could generate this much power in a *closed system* over an extended period must be either of an atomic nature or from a small hidden internal combustion engine.

I really question both of these conclusions because anything atomic would require extensive lead shielding, and the hidden small engine suspicion makes no sense because 1 HP = 746 W, so 325 HP is about 243 kW. We all know how big a home emergency power generator is and it only produces 3–10 kW, so I have to discount that suspicion.

The years passed and we acquired scraps of further information, such as

the fact that Clem first tried engine oil but found it would break down too soon due to the high heat produced by the engine, so he used Mazola cooking oil which would operate over many months at the requisite 300+°F.

Recent developments

Another four years passed with no new information coming in about the Clem engine until around Halloween 2009. I received an email asking what had happened to the pictures of the red car that Clem had built. It was from Jim Ray, an ex-aerospace engineer. In a subsequent phone call, he told me he had worked with Richard Clem for a while and helped him build motor no. 4, which couldn't duplicate the efficiency of the original motor which Clem had destroyed.

According to Richard's daughter Teresa, Clem's second wife had trashed all of his work and sold off his equipment. Teresa told me she had managed to get a working blueprint, but Jim says he doubts it because Clem was very paranoid and refused to write down anything that would reveal his secret. That made some sense, except that Teresa told me she had often helped her dad draw up plans and she had one of those drawings, yet when I met with her she said she had signed a contract with her lawyer and a professor at some local university but admitted that none of them had a clue as to how the engine worked.

Following this first phone call from Jim Ray, we exchanged many emails and he sent me about 20 documents of his company's work with what he knew of the Clem engine and how he had taken it much further, building several working models which were tested and validated in 2004 by NASA

NEWSCIENCE NEWSCIENCE NEWSCIENCE

and the Oak Ridge National Laboratory.

Jim Ray is president of Micro-Combustion, Inc., and I have been in extensive correspondence with him to create a website with the intention of getting the word out about this discovery and to make plans to market this engine. If you want to learn more about this rebirth of the Clem engine, visit the website www.micro-combustion.com and read the various documents.

To quote from the History page of the website: "The first engine built by Richard Clem was an engine he built and tested in his shop. That engine had no control valves or any means of controlling the RPMs, or closing off the fluid flow from the hydraulic pump. On the first test, it started running faster and faster, and that was when Richard cleared the shop. The engine RPMs continued to increase until it blew up."

For further information, Google "keelynet clem" and review the photos of Clem's cars and engines. Find the photos with the two cars (one red and one in the grass) and the graphic of the original Clem turbine with numbers.

The second engine was built with

valves for controlling the fluid flow; these were installed in the red car depicted in the photos. That car was an old Ford. It was driven around town and was eventually discarded when the crankshaft became twisted beyond repair. Richard was also afraid that the Ford Motor Company would lay claim to his engine. Needless to say, Richard was very protective of and very secretive about his invention.

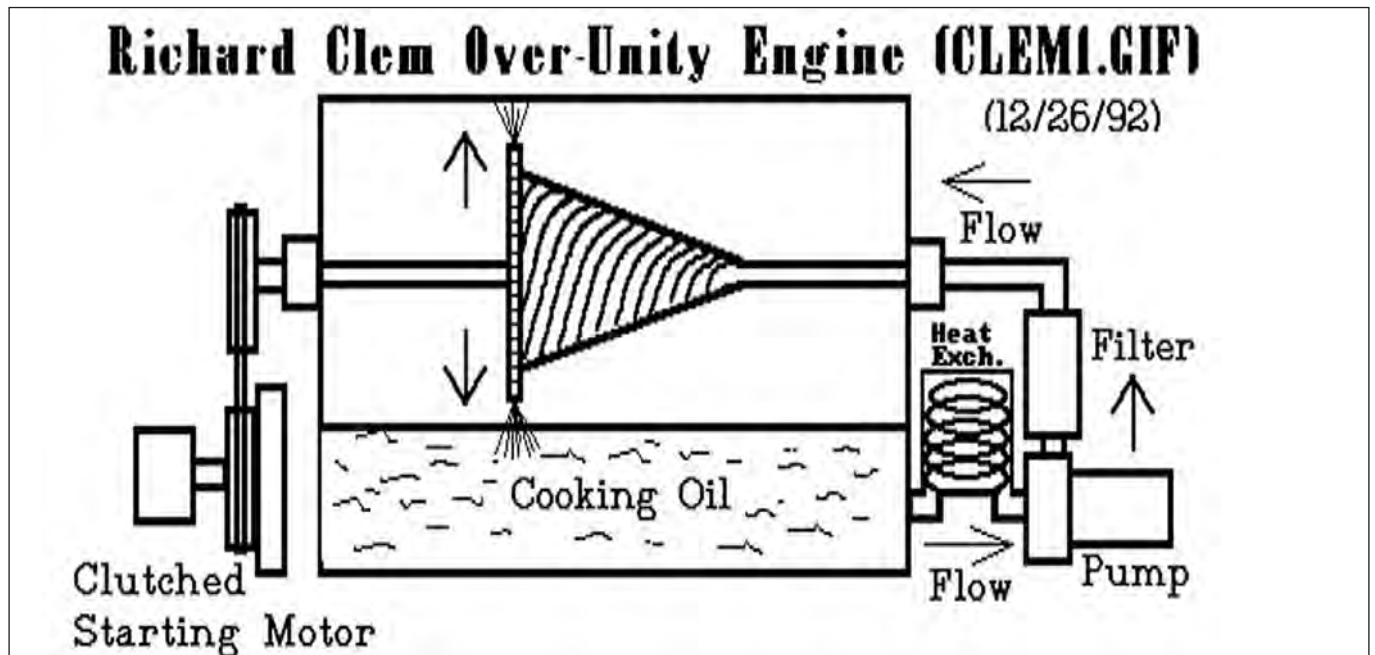
The third engine was placed in the old car body sitting in the grass. This car was demonstrated at the Texas State Fair and received national and international attention.

It was at this time that Richard Clem started to receive many threats on his life, including bomb scares. Jim Ray was there and witnessed most of it, including one bomb scare. Then someone came down from Washington and verified what Richard had built and demonstrated, and stated that he would not live 30 days if he did not destroy the engine. Richard did so, but he hid some of the crucial parts in an old scrap iron pile located in the back of his shop. The Bendix Corporation sent two people to test the engine for emissions of any particulate for nine days straight, 24 hours per day.

A group came over from Taiwan and took footage of the car running up and down the road.

Engine no. 4 was the one on which Jim Ray assisted, including in getting some of the old parts from the scrap iron pile. It was built and put into the same old car in the grass because Richard had now removed any trace of the serial numbers from that car frame and body. This fourth engine was considered the new, improved version of his hydraulic motor. It was more difficult to start; in fact, the battery-powered starter would not start. Jim then pushed Richard up and down the road, driving his old work truck to get the old car engine started. This engine would not run very long before going dead.

One Saturday afternoon in May 1978, Jim was with Richard when he stated that he thought he'd figured out where he had gone wrong from the first-generation engines. The next morning, Richard had a heart attack and died. He had never determined the chemistry or physics of the engine and had never developed it far enough to prove out all the scientific knowledge and engineering theories for the purposes of patent filing and commercialisation.



The CIBC Engine

As previously stated, this fourth engine was different from the first three, as validated by a third party from San Antonio.

Several years and many different configurations later, Jim Ray duplicated this particular engine and then over some years tried to figure out what the first engine's actual configuration was and how it was different from this new-generation engine. However, this engine was the one that produced 10 HP of torque, as documented by NASA and Oak Ridge lab in southern Louisiana.

It was in 2005 that a NASA scientist and Jim Ray saw on the Internet the picture of the actual first engine and noticed it had a double chamber.

Jim then figured out how to build this engine with the double chamber, but did not have sufficient funds or shop capability to complete or rebuild this design, instead concentrating on the physics and chemistry of the original engine.

Richard had claimed that it was a perpetual motion engine but, since there is no such thing, Jim felt there was some unknown factor in the equations of the laws of physics.

The company has now postulated a theory complying with these equations and laws as to what made Richard's engine run without air induction and/or combustion of any given amount or type of fuel. See the paper by Dr John Scott and Jim Ray entitled "Dissociation of the Molecules in the Vapor of a Bubble Produced in the Process of Cavitation" (www.micro-combustion.com/drscott.html).

Jim Ray continued to study the Clem engine and better understand the principles behind its operation. Patent applications were filed and have since been updated with the important discoveries of Drs Nguyen and Scott (see Articles and Tests on the website).

So you can see the progression over time has been a long, hard-fought

battle to document and validate the molecular dissociation process using micro-bubble cavitation.

Another quote from the Micro-Combustion website further elucidates how the engine works:

"The Cavitation-Ignition Bubble Combustion (CIBC) engine is a new discovery in green energy technology that holds the potential to replace fossil fuel altogether.."

"The basic idea behind this new engine is simple but revolutionary: it utilizes a small air bubble in a fluid (the fuel) as the combustion chamber to compress, ignite, and capture the energy (heat) released by the combustion of the fuel-air contents of the bubble.

"The fuel also happens to be the working fluid, which drives the turbine blades to extract power.

The CIBC engine can run on just about any liquid hydrocarbon fuel, including plant, mineral, or recycled oils.

"Although the CIBC engine can operate on petroleum-based fuels, they are not required. Its ability to operate on alternative liquid fuels holds the potential, if fully realized, to transform the transportation sector by reducing or eliminating our nation's reliance on domestic or imported petroleum-based fuels.."

Some advantages of the Micro-Combustion CIBC engine are:

- combustion of a small vapour/air bubble hydrodynamically;
- no greenhouse gas emissions;
- hydraulic and rotary in operating principle;
- no need for fossil fuel;
- can use any type of oil or fluids in an unrefined state;
- compatible with our present service depot infrastructure;
- no exotic materials required;
- very few moving parts;
- compact and lightweight;
- low cost to manufacture;
- more efficient than internal combustion or diesel engine;
- universal in usage applications,

including automotive;

- can be downsized without compromising power output.

As you can see, this engine is for real and is the next incarnation of the original Richard Clem engine.

No doubt you can see many correlations throughout history and today: Keely's molecular dissociation and his cavitation engine, Schauberg's *Zokwendle* implosion engine, Griggs's hydrosonics, and several more theories and inventions which add credence to this new Clem engine understanding.

Imagine an engine the size of a basketball running your car, truck, boat, etc.. And it is scalable, meaning that the bigger it is, the more power it produces, so we could power trains, shipping freighters, even aeroplanes, but the best part is to hook it up to a generator and produce all the power for your home.

This rebirth of the Clem engine in the form of the Cavitation-Ignition Bubble Combustion (CIBC) engine by the folks at Micro-Combustion, Inc. is a major stepping stone on the path to cheap, clean energy—and I will do all I can to help them complete their work and get these amazing engines on the market. ∞

About the Author:

Jerry Decker is the creator of the KeelyNet alternative science website, set up in 1988 as the KeelyNet BBS before moving to the Internet in 1996 as keelynet.com. For 25 years, Jerry worked as an electronic technician in charge of the technical support department for three photo-finishing labs until he moved to Mexico in 2001. He has been an avid participant in alternative science conferences over the years and has built a network of associates and contacts who share information and research.

The complete version of his article is posted at <http://www.keelynet.com/energy/clemreborn.html>. Jerry Decker's first report on Richard Clem's engine was published in NEXUS, vol. 5, no. 1, in 1998.



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DOWN INTO THE GIZA UNDERGROUND

A vast network of caves and tunnels is believed to exist within the Giza Plateau, but so far the Egyptian authorities have refused to give credence to the idea or conduct scientific explorations.

by Philip Coppens © 2009

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The Great Pyramid of Giza is the only surviving wonder of the ancient world. It is also unique in that, for centuries, it has been the subject of intense intrigue and speculation, far beyond the scope of the actual discoveries that have been made in and around the structure.

The pyramids on the Giza Plateau, just outside the Egyptian capital Cairo, remained largely unexplored until the 19th century, when the inner chambers were finally penetrated. Since then, there have been continuous claims that the Great Pyramid, specifically, contains still-undiscovered chambers. Indeed, by far the most prominent series of recent investigations were robotic explorations of the so-called "air shafts" that run from the Queen's Chamber, which revealed a sequence of two tiny doors. The discovery has reignited the debate about the possible existence of more chambers, although archaeological work on this project is particularly slow to progress.

The pyramids on top of the Giza Plateau are so special and intriguing that the rest of the plateau has received less attention. Still, it is to be expected that the reason why pyramids were built here is because the Giza Plateau was already held to be sacred by the ancient Egyptians. And this means that there is something on the plateau that would have given it its sacred nature. That "something" is likely to be the plateau itself and the network of natural cavities that are a typical trademark of limestone formations.

Most of the attention when it comes to underground structures in Giza has gone to one man: Edgar Cayce. In the 1920s, this American psychic predicted the presence of a Hall of Records near the Sphinx, which was prophesied to contain information about the lost civilisation of Atlantis. Since then, dozens of books have been written about this prophecy alone, but, so far, no Hall of Records has been discovered. Yet slowly, the underground of the Giza Plateau is beginning to surrender some of its secrets...and these suggest that what's underneath the plateau might be just as interesting, if not more, than what is on top.

In 1998, Egyptian authorities revealed the existence of a so-called Tomb of Osiris on the Giza Plateau. Osiris is the Egyptian Lord of the Underworld, and this rock-cut, tomb-like structure is interesting as it shows that the ancient Egyptians drilled deep into the ground to create sanctuaries for the dead. Unfortunately, the structure's lower levels are currently inhibited from being explored because of underground water, due to the nearby presence of the River Nile.

However, it is less well known that the Tomb of Osiris was discovered as early as 1933–34 by Dr Selim Hassan. He reported that the tomb dates from the Saitic period (26th Dynasty, c. 600 BC), and he labelled it "the most extraordinary example of this type of hole". He noted that the first chamber led to a second, in which there were seven niches, each containing a basalt sarcophagus, two of which were substantially larger than the others.

In what has become an unfortunate trend when it comes to official announcements by some senior Egyptologists, we thus find that the 1998 revelation is bogus and that also, by that time, just two sarcophagi survived, with no questions posed as to what had happened to the five others. As early as 1934, the third chamber was already under water, but the clear water still allowed Hassan to see additional sarcophagi. Hassan tried to clear the chamber, but, after four years of pumping, the water level had not descended.

This is but one of several known underground cavities. Less well known is that one part of the Great Pyramid was built on top of and incorporated a natural cavity, the so-called Grotto. This is located off the Well Shaft that connects the Ascending Passage to the Descending Passage. The Well Shaft's purpose remains unclear, and the Grotto's even more so. Often described as "an unusual feature" because it is unique in pyramid design, the Grotto also contains a large granite block: how it got there or why it was left remains unexplained.

In 2006, a team led by Abbas Mohamed Abbas, of the National Research Institute of Astronomy and Geophysics, performed extensive ground-penetrating radar (GPR) scans on various sections of the Giza Plateau. The team discovered cavities deep within the bedrock, some down as far as 25 metres, with several tunnels at least three to five metres wide. In their report,¹ Abbas *et al.* speculated that the individual

cavities and tunnels might link up and even connect to still unexplored "precious tombs": "The results of the survey support the possibility of the presence of undisclosed relics, of high value." Abbas *et al.* concluded: "...we can presume the existence of a momentous diversity of archaeological structures at the Pyramids plateau which remain, as yet, unexplored."

Giza Cave System Rediscovered

In August 2009, British author Andrew Collins and researcher Nigel Skinner-Simpson announced that they had made a fortuitous discovery on the Giza Plateau: a cave system explored by Henry Salt and Giovanni Caviglia in 1817, entered through a rock-cut tomb.

Salt, the British Consul-General to Egypt, working alongside the Italian explorer and sea captain Caviglia, had

entered unknown "catacombs" at Giza, somewhere west of the pyramid field. However, the existence of these caves was subsequently forgotten.

Colonel Howard Vyse, who conducted excavations on the Giza Plateau in 1837, wrote about the tomb in his 1840 book.² The site turned out to contain several mummies of birds, which Vyse and engineer John Shae Perring apparently removed.

Collins relocated the lost tomb in January 2007 in the company of his wife, Sue. They found little, other than further evidence of a local bird cult practised within this structure.

After some searching, they found a small crack in the rock face that led into a huge natural cave chamber which connected with other cave compartments...

When Salt's memoirs³ were finally published in 2007, Collins and Skinner-Simpson realised that they contained a detailed account of the exploration of the catacombs.

The explorers had apparently penetrated "several hundred yards" into this structure before coming upon a spacious chamber that connected with three others of equal size, from which went labyrinthine passages.

Caviglia later pursued one of these passages for a distance of "300 feet further" before giving up, the two men being put off by the fact that they had not found anything of value—no gold, no treasure, the primary obsession of these early pyramid explorers.

On 3 March 2008, Sue and Andy Collins, together with Nigel Skinner-



Andrew Collins on investigation in Giza.

Simpson, went back to the newly baptised Tomb of the Birds, having gained sponsorship from the Association for Research and Enlightenment (ARE) in Virginia Beach, Virginia, USA.

After some searching, they found a small crack in the rock face that led into a huge natural cave chamber which connected with other cave compartments and a long cave passage.

In short, the trio realised that their structure coincided with the caves discovered in 1817.

At present, no-one knows the total extent of the caves. As mentioned, Salt and Caviglia never reached the end, and so far Collins has been unsuccessful in interesting the Egyptian authorities in this discovery.

Were the caves to continue beyond the farthest point reached, they would most likely head off in the direction of the Second Pyramid (the Pyramid of Khafre), whose southwestern corner is only 480 metres southwest from the entrance to the Tomb of the Birds.

Collins did learn from a guardian living in the vicinity that the cave system went on for many kilometres. The guardian added that it was haunted by a giant snake called el-Hanash—the reason why he would not go down there himself.

As such, his claim is hearsay and not based on factual exploration. Still, there is a tradition that existed through to mediaeval times that either the Great Pyramid or the Second Pyramid was the Tomb of Agathodaimon, the "good spirit", a Gnostic god in the form of a serpent which was said to "repose", or rest, beneath the plateau.

In his typically arrogant demeanour, the leader of the Supreme Council of Antiquities, Dr Zahi Hawass, when confronted with news of Collins's discovery, claimed that the structure had "recently" been explored by Egyptologists. He commented: "This story shows how people who do not have a background in archaeology use the media and the Internet to make headlines... When I saw this Internet story about a new discovery at Giza, I knew it was misleading. The article reports that a huge system of tunnels and caves has been found; however, I can say that there is no underground cave complex at this site."⁴

Collins has challenged Hawass to produce the scientific report proving that the structure has indeed been fully explored in recent years.

He notes: "Our caves are the only natural caves

recorded on the plateau so far (despite the multitude of rumours). Our caves, even if proved to be isolated (which we hope is not the case), prove that Giza's geology does include a natural cave system, which is arguably what Abbas could have been detecting on the east side of the plateau in 2006. Salt records that the caves go for 'several hundred yards', then link with chambers and passages, one of which Caviglia explored for '300 feet further'. Note the word 'further'. I say this as people might try and say that what we found is all there is to find, i.e., approximately 300 feet (90 metres) of caves, and no more. We did not reach the end, and neither did Salt and Caviglia. We reckon that the caves

extend to beneath the Second Pyramid. Chambers were detected under the Second Pyramid by the SRI [Stanford Research Institute] team when they performed their scans of the structure in 1977."⁵

Emerald Tablets and Hidden Temples

The Collinses' discovery is therefore part of a slowly emerging picture that shows that the Giza underground holds several more secrets. Indeed, Hawass himself, while drilling down in front of the Sphinx temple in 1980, struck red granite at a depth of 15 metres. Red granite is not native to the Giza Plateau; the only source is Aswan, hundreds of miles to the south. The very presence of red granite proves that there is a man-made structure underneath the plateau.

Collins writes in his newly released book *Beneath the Pyramids*⁶ that he has also identified another possible entrance to the Giza underground, in a well in a cemetery near the village of

Nazlet el-Samman at Gebel Ghibli. The cemetery is largely off-limits and is obviously on sacred ground, which will make any scientific excavations virtually impossible.

The well is dedicated to the holy man Hamid el-Samman, and Collins suspects that el-Samman, about which nothing is written, may be linked with the life of a Sufi master, Dhu'l-Nun al-Misri (759–859 AD), who is known to have died at Giza.

Born in Akhmin in middle Egypt, he was also an hermeticist who would have taken a great interest in the knowledge that Hermes Trismegistus, the legendary founder of the hermetic tradition, was said to have been buried somewhere in the vicinity of either the Great Pyramid or the Second Pyramid. Interestingly, Hermes Trismegistus—equated with the Egyptian god Thoth—

"We reckon that the caves extend to beneath the Second Pyramid. Chambers were detected under the Second Pyramid by the SRI team when they performed their scans of the structure in 1977."

has been linked with the so-called Emerald Tablets, a series of artefacts said to contain all the knowledge in the world and which was referred to in ancient Egypt as *The Book of Thoth*.

The Swiss psychologist C. G. Jung identified one of the Emerald Tablets with a table made of green stone, which he encountered in a series of dreams and visions beginning at the end of 1912 and climaxing in his writing *Seven Sermons to the Dead* in 1916. One of the Emerald Tablets is linked with memory—as in the Hall of Records about which Edgar Cayce spoke?

For his new book, Collins also investigated "the Sleeping Prophet"—Cayce—and his case for the Hall of Records. He argues that Cayce, in his visions, sometimes confused physical with immaterial—other-dimensional—Halls of Records. At the same time, he has uncovered the fact that Cayce did not make claims about a physical Hall of Records on the Giza Plateau in a void.

In 1913, the American Sunday edition of the *Times of India* carried a feature on the excavations of American archaeologist George A. Reisner (1867–1942), who was at the time working in the vicinity of the Sphinx.

The article, which had previously appeared in the British magazine *The Sphere*, speculated on the alleged discovery by Reisner of "hidden temples within the natural rock of which the Sphinx is formed". It went on to say: "Not only is the head of the Sphinx occupied by two small chambers, one superimposed above the other, but the actual body of the Sphinx is also occupied by a larger pillar-lined temple with passages leading off in several directions.



The bright star Deneb setting down into the apex of the Second Pyramid as viewed from the summit of Gebel Gibli during the Pyramid Age. Note the stream of stars forming the Milky Way trailing up into the sky from around the base of the same pyramid. (Picture copyright: Andrew Collins/Rodney Hale, 2009).

The actual tomb of Menes, the great but mysterious founder of remote Egypt, is also supposed to be within the Sphinx."⁷

Then, in 1938, Cayce went to the same library-style Hall of Records to gain a sitter's past-life reading and, while there, was "given a book that was very large (tall and wide), beautifully bound but quite thin"⁸—perhaps the very *Book of Thoth*, of which the ancient Egyptians spoke?

In *Beneath the Pyramids*, Collins states:

"Clearly, these accounts, which are rarely published, demonstrate that Cayce's sleep hypnosis enabled him to enter what he believed was some kind of astral hall of records..."

"Thus it is possible that Cayce's vision of an Egyptian Hall of Records...was thought of initially as a physical counterpart to the astral hall of records accessed during sleep states."⁹

...Dr Selim Hassan concluded that a physical representation of the Duat, the Egyptian Underworld, existed underneath the Giza Plateau.

As Above, So Below

For millennia before the Great Pyramid was constructed, caves were seen as veritable wombs of Mother Earth, in which religious ceremonies occurred and intricate rock paintings were created. Indeed, when looking at the interior of pyramids, with their narrow entrances and long narrow corridors giving way to small chambers, are we not confronted with man-made, highly artistic representations of cave systems?

The very name of the area in ancient times provides links with a subterranean realm: Rostau, meaning "mouth of the passages" and "entrance to the winding passages". It should therefore not come as a surprise

that Dr Selim Hassan concluded that a physical representation of the Duat, the Egyptian Underworld, existed underneath the Giza Plateau.

The Duat was the ancient Egyptian equivalent of the Greek Hades or the Christian Purgatory, a realm through which the soul of the deceased had to pass before it could join God. Hassan argued that it was specifically a description of the fourth and fifth hours of the night that would have been portrayed at Giza, if only because they relate to the kingdom of Sokar in Rostau. Collins concludes that the Tomb of the Birds which he found, and which is known to have been a bird cemetery, likely honoured a bird deity such as the falcon god Horus

the Elder or the falcon-headed Sokar, the latter especially linked with Giza.

Collins states that, based on the work of astronomer Dr Ronald Wells and Egyptologist Dr Amanda-Alice Maravelia, the ancient Egyptians of the Pyramid Age saw the stars of Cygnus as the cosmic womb of the sky goddess Nut, who was personified as the Milky Way. They argue that the Duat physically symbolised Nuit's body. The caves of Giza are therefore indeed likely to be cosmic wombs.

Within this framework, Deneb, Cygnus's brightest star, marked the entrance into, or exit from, the Duat. In the sky, this is represented by the part of the Milky Way that we know today as the Cygnus Rift. Collins argues that this entrance would also be located on the Giza Plateau and would potentially form the principal entrance into the subterranean complex.

Also on the Giza Plateau is Campbell's Tomb. This enigmatic shaft sunk into the plateau is often left unmentioned because its purpose is obscure at best.

Recently, the structure did get some attention as its sides display erosion patterns that are similar to those of the Sphinx enclosure.

According to some observers like geologist Dr Robert Schoch, these erosion patterns suggest that the Sphinx is much older than the c. 2500 BC date which it is currently given.

As French journalist Antoine Gagal has pointed out, the Belgian researchers Guy Mouny and Guy Gruais posit that the grooves of the structure look very mechanical and might have been used to raise or lower a platform that was linked with a subterranean canal system underneath the plateau. This would suggest that the ancient Egyptians had advanced understanding of hydraulics.

This also should not come as a major surprise, considering that extensive and advanced hydraulic engineering was carried out under Pharaoh Amenemhat (1991–1962 BC) in the Fayum Oasis. Belgian researcher Gerd Vandecruys has noted that the erosion patterns in Campbell's Tomb appear to be from standing water inside the structure and not from rainwater erosion—as is suggested for the Sphinx enclosure.

Knowing that the ancient Egyptians believed that travel in the Duat occurred by boat, and that depictions in *The Book of the Dead* show boats moving on canals in the Underworld, if the Egyptians physically represented

the Duat underneath the Giza Plateau then they must have incorporated an underground canal system. Campbell's Tomb might be one enigmatic structure that could thus easily be explained within this new framework: that what we see above ground might not be nearly as exciting as what is waiting to be discovered underneath the Giza Plateau.

Collins should therefore be applauded for having brought the underground network of Giza to the attention of an international audience. B

ut the attitude of the Egyptian authorities remains remarkable, to say the least, seeing that they themselves have official reports that show that something exciting might be waiting to be discovered in the Giza underground. ∞

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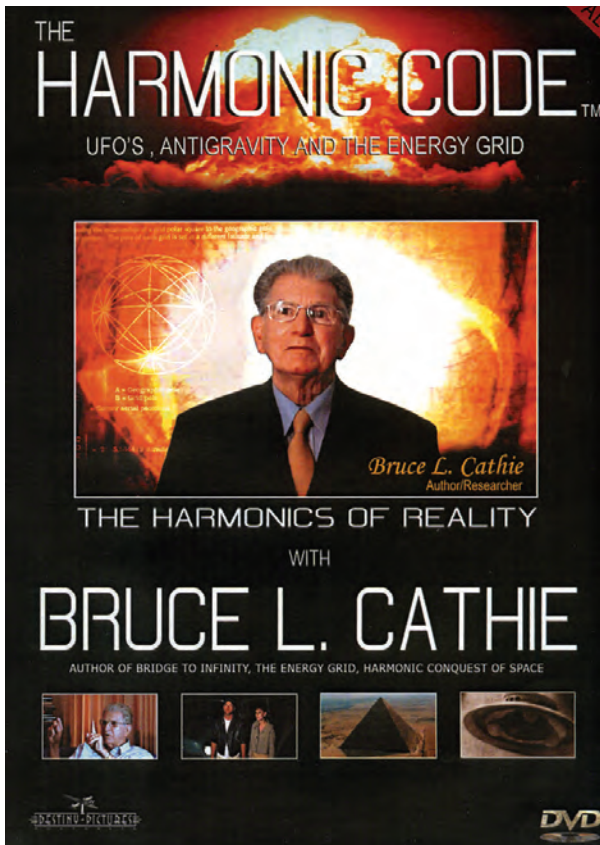
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According to some observers like geologist Dr Robert Schoch, these erosion patterns suggest that the Sphinx is much older than the c. 2500 BC date which it is currently given.



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JOHN F. KENNEDY AND THE UFO CONNECTION

In September 1963, President Kennedy declared that the USA should share information about UFOs with the USSR. Two months later, the "assassination directive" drafted two years earlier by the CIA Director for the MJ-12 Group was carried out.

Part 2 of 2

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Kennedy Linked US–USSR Space Missions with Classified UFO Files

In September 1963, President Kennedy launched a groundbreaking initiative to get the USSR and the USA to cooperate in joint space and lunar missions. In the background of this publicly announced initiative with powerful Cold War implications was a more secretive attempt to release classified UFO files. Leaked documents reveal that Kennedy instructed the CIA to release classified UFO files as part of the cooperative space effort with the Soviet Union. If Kennedy had succeeded, there would have been a joint space mission to the Moon and eventual public release of classified UFO files by both the USA and the USSR.

In a stunning speech before the United Nations General Assembly on September 20, 1963, President Kennedy said:

Finally, in a field where the United States and the Soviet Union have a special capacity—in the field of space—there is room for new cooperation, for further joint efforts in the regulation and exploration of space. I include among these possibilities a joint expedition to the moon.²²

So, Kennedy was offering to put an end to the space race and start joint missions with the Soviets. In putting into effect his commitment for joint space missions, President Kennedy issued National Security Action Memorandum (NSAM) No. 271 on November 12, 1963. The memorandum, classified Confidential, is addressed to "The Administrator [James Webb], National Aeronautics and Space Administration" (NASA) and headed "Cooperation with the USSR on Outer Space Matters". The key passage in the text reads:

I would like you to assume personally the initiative and central responsibility within the Government for the development of a program of substantive cooperation with the Soviet Union in the field of outer space, including the development of specific technical proposals.²³

NSAM 271 goes on to say that the initiative was a direct outcome of Kennedy's "September 20 proposal for broader cooperation between the United States and the USSR in outer space, including cooperation in lunar landing programs".

In addition to this Confidential NSAM, Kennedy issued a more highly classified Top Secret memorandum to the Director, Central Intelligence Agency, on the same day, November 12, 1963. The subject header of the file reads "Classification review of all UFO intelligence files affecting National Security". Kennedy wrote:

...I...have instructed James Webb to develop a program with the Soviet Union in joint space and lunar exploration. It would be very helpful if you would have the high threat [UFO] cases reviewed with the purpose of identification of bona fide as opposed to classified CIA and USAF sources...

When this data has been sorted out, I would like you to arrange a program of

data sharing with NASA where Unknowns [UFOs] are a factor. This will help NASA mission directors in their defensive responsibilities.

I would like an interim report on the data review no later than February 1, 1964.²⁴

It's important to note that Kennedy's Top Secret memo to the CIA Director refers to National Security Action Memorandum No. 271 issued to Webb on the same day. Even though this leaked Top Secret memo to the CIA has not been officially acknowledged (it has been ranked medium-to-high level of authenticity²⁵), there is no question about the legitimacy of NSAM 271.²⁶ NSAM 271 clearly shows that Kennedy decided to cooperate with the USSR on "Outer Space Matters". If Kennedy was concerned about the dangers of future conflict with the Soviet Union and/or with extraterrestrial life, then sharing classified UFO files was an obvious way to implement the National Security Action Memorandum.

NSAM 271 and the associated Top Secret memo to the CIA Director, issued on November 12, 1963, are evidence that Kennedy firmly linked cooperation with the USSR on "Outer Space Matters" with the release of classified UFO files. For undisclosed reasons, he was convinced that the CIA was the lead agency for ensuring the release of UFO files. This suggests that the US Air Force and the other military services were secretly required to release the most important UFO files reported through the CIRVIS²⁷ system to the CIA.

Kennedy was therefore directly confronting the CIA over its ultimate control of classified UFO files.

Kennedy's Hotline Conversation with Khrushchev

Another leaked document shows the extent to which Kennedy was prepared to cooperate with the Soviet Union in declassifying UFO files. The aim was to avoid the risk of a mistaken military confrontation over UFOs. The document is allegedly a Top Secret National Security Agency (NSA) intercept of a "Hot Line" conversation between President Kennedy and Soviet Premier Nikita Khrushchev, dated November 12, 1963.²⁸ Kennedy and Khrushchev discussed the importance of their respective UFO working groups to deal with the UFO problem to avoid the risk of future conflict. Kennedy told Khrushchev:

For undisclosed reasons, [Kennedy] was convinced that the CIA was the lead agency for ensuring the release of UFO files.

...I have begun an initiative with our NASA to exchange information with your Academy of Sciences in which I hope will foster mutual concern over this problem and hopefully find some resolution.²⁹

Kennedy was certainly referring here to National Security Action Memorandum

No. 271, released on the same day, November 12, 1963.

Kennedy also told Khrushchev:

I have also instructed our CIA to provide me with full disclosure on the phantom aspects and classified programs in which I can better assess the [UFO] situation.³⁰

While the NSA intercept has not been conclusively determined to be authentic (it has been ranked medium-to-high level of authenticity³¹), it is consistent with the November 12 NSAM 271.

More circumstantial evidence for the accuracy of the "Hot Line" transcript was found in a series of interviews conducted in 1997 with Khrushchev's eldest son, Sergei.

Dr Sergei Khrushchev said that, after his father initially refused Kennedy's September 20, 1963 offer to cooperate in joint space and lunar missions, "in the weeks after the rejection" he'd had "second thoughts" and had accepted Kennedy's offer.³²

NSAM 271 confirms that Khrushchev had only just accepted Kennedy's offer.³³ The Hotline conversation shows Kennedy and Khrushchev reaching agreement on a broad range of issues concerning sharing UFO information and joint cooperation in space. The dating of the conversation is consistent with the agreement reached in the background over this period between Kennedy and Khrushchev. This gives more confidence that the NSA Hotline transcript is genuine.



"So how long you think that'll take to get to Alpha Centauri?"

The Draft CIA/MJ-12 Assassination Directive

So, on November 12, 1963, President John F. Kennedy reached broad agreement with Soviet Premier Nikita Khrushchev on joint space missions and sharing classified UFO files. This required both leaders to instruct their respective UFO working groups to share information. As previously mentioned, Kennedy did this through a directive in his Top Secret memo to the Director of the CIA to share UFO files with NASA and the USSR. His November 12 memorandum was relayed to James Jesus Angleton.

As the CIA's chief of counterintelligence, Angleton controlled access to the most highly classified UFO files in the USA and was in direct communication with MJ-12, the UFO working group within the MJ-12 Special Studies Project. In responding to Kennedy's request, Angleton followed a Top Secret MJ-12 set of directives. One of the secret directives, revealed in the leaked, partially burned, Top Secret MJ-12 document forensically dated to the early 1960s, is a cryptic assassination directive. In case any senior US official did not cooperate with MJ-12, the directive sanctioned political assassination. If genuine, the leaked document is smoking-gun evidence that the then CIA Director Allen Dulles was involved in drafting and approving with other MJ-12 members a cryptic "assassination directive". This directive was later implemented by Angleton in response to President Kennedy's November 12, 1963 request to the CIA to release classified UFO files.

Earlier I discussed the burned document and its genesis during the final months of Allen Dulles's tenure as Director of Central Intelligence. Dulles and other MJ-12 members were responding to Kennedy's initial effort on June 28, 1961 to be briefed by Dulles on MJ-12 intelligence operations and UFOs.³⁴ Even though Kennedy doesn't mention UFOs in his June 28 memo, his knowledge of them was implicit in his request for a review of MJ-12 operations, as revealed in Dulles's November reply where he discusses UFOs. This shows that Kennedy knew in advance about the relationship between MJ-12 and UFOs.

In response to the June 28 NSM, and unknown to Kennedy, Dulles drafted a set of directives shortly before his November 1961 retirement. As previously stated, Dulles's draft document is addressed to another six members of MJ-12, requesting comments and their approval. It has clear instructions that under no circumstances would any US President or his national security staff be briefed or given access to classified

UFO files. The most damning directive, drafted by Dulles and apparently approved by six other MJ-12 members, is the cryptic assassination directive. In full, this states:

DRAFT

Directive Regarding Project ENVIRONMENT

*When conditions become non-conducive for growth in our environment and Washington cannot be influenced any further, the weather is lacking any percipitation [sic] ... it should be wet.*³⁵

Dr Robert Wood, who is the foremost expert in analysing MJ-12 documents using forensic methods, has concluded that the burned document is an assassination directive. In an interview discussing the burned document, he pointed out that the cryptic phrase "it should be wet" originates from 19th-century Russia, where the phrase "wet works" or "wet affairs" denotes someone who has been killed and is drenched with blood. The codeword "wet" was later adopted by the Soviet KGB and other intelligence agencies, according to Dr Wood. The term "it should be wet" therefore is a coded command to kill someone.³⁶

In drafting this cryptic directive, Allen Dulles was seeking approval from six of his MJ-12 colleagues to lay the justification for the assassination of any elected or appointed official in Washington, DC, whose policies were "non-conducive for growth". The cryptic directive is a pre-authorisation for the assassination of any US President who could not "be influenced any further" to follow MJ-12 policies.

Kennedy's 1963 efforts to end the Cold War, cooperate with the

USSR on joint space missions and share classified UFO files with the USSR created a final showdown with MJ-12. The trigger was Kennedy's agreement with Khrushchev on November 12, 1963 on space cooperation, which led to Kennedy's Top Secret memo instructing the new Director of the CIA, John McCone, to share UFO information with NASA³⁷ and, due to NSAM 271, with the USSR.³⁸ Kennedy's explosive Top Secret memo to the CIA Director was relayed by William Colby, then (Deputy) Chief of the CIA's Far East Division, to James Angleton in CIA counterintelligence. It was Angleton who had the authority to implement Kennedy's Top Secret November 12 directive.

On the bottom of Kennedy's November 12, 1963 memo to the CIA Director, next to the signature space, appears the following handwriting: "Response from

If genuine, the leaked document is smoking-gun evidence that the then CIA Director Allen Dulles was involved in drafting and approving with other MJ-12 members a cryptic "assassination directive".

Colby: Angleton has MJ directive 11/20/63". Colby is here acknowledging that Angleton, two days before Kennedy's assassination, had the MJ directives—the burned document—and would use them to respond to Kennedy's NSAM. This handwriting directly implicates Angleton in the Kennedy assassination due to the cryptic MJ-12 assassination directive.

There is more evidence to implicate Angleton directly in the Kennedy assassination. Lee Harvey Oswald was among a small group of American citizens to have defected to the Soviet Union in 1959. Though the CIA admits to having established a file on Oswald in 1960, Alan Weberman, an early author on the Kennedy assassination, claims that CIA counterintelligence was monitoring Oswald even earlier. Weberman cites evidence that Angleton was directly involved through an intermediary, Gerry Hemming, a former Marine who knew Oswald and was recruited by the CIA.³⁹

Despite controversy over Oswald's recruitment by Angleton and the CIA prior to his trip to the Soviet Union, there is no question that as an American defector Oswald became the responsibility of Angleton's CIA counterintelligence. Upon his return to the USA in June 1962, Oswald and his activities were closely monitored by CIA counterintelligence. Oswald's subsequent association with a number of CIA assets provided opportunities for Angleton's counterintelligence not only to monitor but to manipulate Oswald.

The most documented source of a CIA link to the Kennedy assassination is the investigation by Jim Garrison, District Attorney of New Orleans. Garrison found much documentary evidence to demonstrate that Lee Harvey Oswald was involved in a conspiracy led by Clay Shaw. Garrison discovered that Shaw had an "extensive international role as an employee of the CIA".⁴⁰ While Garrison was unsuccessful in earning a conviction against Shaw, Garrison was partly vindicated in 1979 by the House Select Committee on Assassinations. It concluded:

*The committee believes, on the basis of the evidence available to it, that President John F. Kennedy was probably assassinated as a result of a conspiracy. The committee is unable to identify the other gunman or the extent of the conspiracy.*⁴¹

Kennedy's assassination by a hit team organised by

CIA asset Clay Shaw directly implicates CIA counterintelligence. Ensuring Oswald's participation in the Kennedy assassination, no matter how minimal, provided a powerful rationale for preventing a thorough investigation of the assassination. With Oswald being a former communist defector, Angleton and the CIA could persuasively argue that Oswald's involvement directly implicated the USSR. This allowed the CIA to argue successfully to the Warren Commission through Allen Dulles, who was a member, that a thorough investigation was too dangerous due to the risk of nuclear war.

The assassination of President Kennedy resulted directly from his efforts to gain access to the CIA's control of classified UFO files. Unknown to Kennedy, a set of secret MJ-12 directives issued by his former CIA Director, Allen Dulles, ruled out any cooperation with Kennedy and his national security staff on the UFO issue. It was Dulles and another six unknown MJ-12 members who sanctioned the directives found in the burned document, including a political assassination directive against non-cooperative officials in the Kennedy administration. While Dulles and his six associates pre-authorized the assassination of Kennedy, it was the CIA counterintelligence chief who gave the final orders that culminated in Kennedy's assassination. In doing so, James Angleton arranged for a communist defector to be involved so as to eventually take the blame and ensure that no thorough investigation by federal or congressional authorities would follow.

With Oswald being a former communist defector, Angleton and the CIA could persuasively argue that Oswald's involvement directly implicated the USSR.

Was Kennedy's Assassination a Covert Coup by MJ-12?

Historians who view the CIA as complicit in President Kennedy's assassination point to the CIA's role in covert operations in Vietnam as the reason why the CIA wanted Kennedy removed from office. Col. Fletcher Prouty, in his well-documented book *JFK: The CIA, Vietnam and the Plot to Assassinate John F. Kennedy*, reveals that Kennedy was attempting to end the CIA's influence over covert operations.⁴² Chief among these operations was the escalating US involvement in Vietnam which Kennedy wanted to end and was why he was assassinated.

There is, however, a more compelling reason why senior CIA officials wanted Kennedy's removal from office: the role of CIA counterintelligence in controlling

UFO information and implementing the directives of the secretive MJ-12 Group.

President Kennedy's bold attempt to have NASA cooperate with the Soviet Union in joint space and lunar missions is an historic fact. What is not well known is that this required extensive sharing of UFO information to prevent any misunderstandings over UFO sightings that could spark military hostilities and jeopardise space cooperation. Kennedy's strategy was to use joint Soviet-American space cooperation as the means to have UFO reports declassified for NASA. This would have led to these being shared with the USSR, as NSAM 271 required, and finally would have given Kennedy and his national security staff access to classified UFO files.

Documents confirm that on November 12, 1963, Kennedy and Khrushchev agreed on steps to share UFO information precisely for this reason, and Kennedy identified the CIA as the lead US agency to implement the process. Unknown to Kennedy, the CIA's chief of counterintelligence, Angleton, implemented a secret set of directives that would deny access to classified UFO information to Kennedy, his national security staff and the Joint Chiefs of Staff.

The assassination directive represented a covert coup by the MJ-12 Group, which, through CIA counterintelligence, had the means to deny any presidential administration access to UFO files and even to forcefully remove uncooperative federal officials.

To date, there is no evidence that the MJ-12 directives passed by Dulles and six other MJ-12 members in 1961 have ever been rescinded. Documents and facts bear witness to the complicity of senior CIA and other unknown officials in the assassination of President Kennedy.

The implications of the leaked MJ-12 documents relevant to Kennedy's efforts to declassify UFO files require a thorough public investigation. ∞

About the Author:

Michael D. Salla, PhD, has held academic appointments in the School of International Service, American University, Washington, DC, (1996–2001) and at the Department of Political Science, Australian National University, Canberra, Australia (1994–96). He taught as an adjunct faculty member at George Washington University, Washington, DC, in 2002. He has a PhD in Government from the University of Queensland, Australia, and an MA in Philosophy from the University of Melbourne, Australia.

Dr Salla is the founder of the Exopolitics Institute (www.exopoliticsinstitute.org) and the popular website Exopolitics.org. He is the chief editor of *Exopolitics Journal* and co-organiser of the Earth Transformation conferences in

Kona, Hawaii (see details of the January 7–10, 2010 conference at <http://earthtransformation.com>).

NEXUS has published several articles by Dr Salla: "An Exopolitical Perspective on the Pre-emptive US-led War against Iraq" (10/03); "Charles Hall and the Tall White Extraterrestrials" (12/02); "Using Space Weapons Against ET Civilisations" (13/02); and "Project Serpo: A Public Acclimation or Deception Program?" (13/03). His book *Exopolitics: Political Implications of the Extraterrestrial Presence* (Dandelion Books, 2004) was reviewed in NEXUS 11/05. His new book *Exposing US Government Policies on Extraterrestrial Life* (Exopolitics Institute, 2009) is now available (see review in this edition).

Dr Salla can be contacted by email at drsalla@exopolitics.org or via his website <http://www.exopolitics.org>.

**For undisclosed reasons,
[Kennedy] was convinced
that the CIA was the lead
agency for ensuring the
release of UFO files.**

Endnotes

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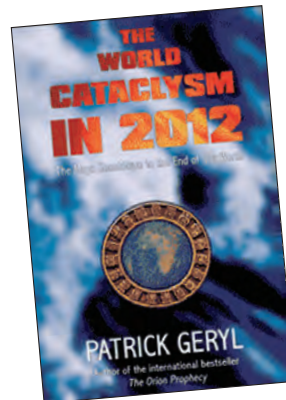
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CATAclysm 2012?



WORLD CATAclysm IN 2012: Maya Calendar Countdown by Patrick Geryl

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SPECIAL BRIEFING FOR PRESIDENT BARACK OBAMA

This briefing document addressed to President Obama urges the adoption of advanced technologies that will ensure a limitless supply of clean energy, and the end of secrecy over the extraterrestrial presence so we may become true cosmic citizens.

by Steven M. Greer, MD
© January 2009

Center for the Study of
Extraterrestrial Intelligence (CSETI)
The Disclosure Project
Websites:
<http://www.CSETI.org>
<http://www.disclosureproject.org>

This Briefing contains sensitive information intended for POTUS [President of the United States]. It was developed by Steven M. Greer, MD, Director, The Disclosure Project. [We publish the Briefing here with only minor editing. – Editor]

January 23, 2009

Dear President Obama,

Since the mid-1950s, classified projects connected to extraterrestrial matters have operated outside of constitutionally required oversight and control by the President and Congress. This constitutes a grave and ongoing threat to US national security and global security and peace.

The implications of this subject are such that no aspect of life on Earth will be unaffected by its Disclosure. We are acutely aware that this subject is highly controversial and suffers from great social opprobrium within certain elite circles and within the mainstream media.

Indeed, secrecy on the subject has, in part, been maintained by a carefully orchestrated psychological nexus of ridicule, fear, intimidation and disinformation that makes it difficult for any public figure to openly address the matter.

Moreover, the 'bubble' of security and access restrictions that surround the Office of the President makes it very difficult for POTUS to receive accurate information and advice on the subject. The consequences of this secrecy, combined with the psychological aspects mentioned above, have ensured that none of your predecessors has been able to effectively manage this problem. This has led to an unacknowledged crisis that will be the greatest of your Presidency.

Because of this misguided secrecy, the wondrous new sciences related to advanced energy generation, propulsion and transportation have been withheld from the people. These advances include the generation of limitless clean energy from the so-called zero-point energy field and quantum vacuum flux field from the space around us, and propulsion that has been termed (incorrectly) anti-gravity. The field of electromagnetic energy that is teeming all around us and which is embedded within the fabric of space-time can easily run all of the energy needs of the Earth—without pollution, oil, gas, coal, centralized utilities or nuclear power.

The disclosure of these sciences and their wise application during your first term as President is the most pressing matter before you. These sciences will create a true new energy economy allowing mankind to solve our most pressing problems of global warming, poverty and resource depletion.

The constellation of problems that include global warming, biosphere degradation, air pollution, energy security, Mid-East policy, a collapsing

geo-economic order, the growing disparity between the poor and rich of the world, over-population and human sustainability on Earth, to name but a few, are all interconnected and directly affected by the secrecy surrounding this subject.

The solutions lie not in old thinking and technologies but in a new consciousness applying new sciences. These sciences were born in the late 19th and 20th centuries but were abandoned and suppressed due to the lust for power and greed and out of fear of unsettling the status quo.

It is time for a new Emancipation Declaration—one that frees all of humanity from the shackles of economic slavery that results from secret centralized power, corruption and global economic hegemony.

The world will not find justice and peace so long as half of the world's population lives in poverty while the other half cannibalizes the Earth to maintain its standard of living. This dire situation can and must be transformed into a world of abundance, clean and plentiful energy and genuine sustainability. On this foundation, with these new sciences, technologies and a new consciousness, we can move forward as a people, united and in peace. Then and only then will we be welcome amongst the other civilizations of the cosmos.

That we are not alone in the universe is now a scientific given. That we have been visited already by advanced civilizations—whose interests here are likely ancient—is controversial. However, in my discussions with European, Vatican, Canadian and other leaders around the world, a growing consensus exists that we have been visited and the time for disclosing this information is long past due.

More importantly, an appropriate diplomatic initiative is needed to communicate with these extraterrestrial visitors within a framework of universal peace, free from the past dominance of militarism and paranoia.

Insofar as upwards of 80% of the American people think that 'UFOs' are real, and that some aspect of the government is lying to them about it, continued secrecy redounds only to the benefit of the precious few who profit from such secrecy.

This secrecy undermines the credibility of the US and other governments, and allows the cancer of unchecked covert power—forewarned by President Eisenhower in his last address to the nation—to metastasize throughout the world. It now threatens the very life of Earth.

Moreover, there exists a secret, 'unacknowledged' operation that has used very advanced electromagnetic weapon systems to track, target and, on occasion but with increasing accuracy, down extraterrestrial vehicles. This reckless behavior constitutes an existential threat to all of mankind and must be reined in immediately.

The so-called MJ-12 or Majestic group that controls this subject operates without the consent of the people or the oversight of the President and Congress. It functions as a transnational government unto itself, answerable to no one. All checks and balances have been obliterated. While as a governing entity it stands outside of the rule of law, its influence reaches into many governments, corporations, agencies, media and financial interests. Its corrupting influence is profound and, indeed, it has operated as a very powerful and embedded global RICO [Racketeer

Influenced and Corrupt Organization] whose power to date remains unchecked.

Upwards of \$100 billion of USG [US government] funds go annually into this operation, also known as the 'black budget' of the United States—enough to provide universal health care to every man, woman and child in America.

When I first briefed Director of Central Intelligence James Woolsey on this matter in December of 1993, only a third

of this governing group was in favor of what we were recommending: Disclosure of the fact that we are not alone in the universe, and the careful release of advanced energy generation systems that would replace oil, gas, coal and nuclear power. Sources now inform me that upwards of two-thirds of this group now support such an initiative.

Interests in Europe, the Vatican and Asia, especially France and China, are urging Disclosure. If the United States does not move forward, these other interests will, and America will be left behind and become increasingly irrelevant in the world. This cannot be allowed to happen.

The European and Asian arenas will move with or without US involvement at some point in the very near future, as well they should. Six decades of secrecy is enough.

We are also morally obliged to warn you of an existing highly secretive plan to use advanced technologies to hoax an 'alien attack' on Earth. There exist within the direct control of this Majestic group assets capable of launching such a false flag operation, and virtually every person on Earth, as well as most leaders, would be deceived by it.

The so-called MJ-12 or Majestic group that controls this subject operates without the consent of the people or the oversight of the President and Congress.

Components of this operation have been tested on the public over the past 50 years and include but are not limited to:

- Alien Reproduction Vehicles (ARVs) – these are advanced anti-gravity aircraft that have been fully operational since at least the late 1950s to early 1960s. Many so-called UFO reports by civilians and military personnel are of such ARVs. They constitute an unacknowledged or 'black' Air Force and these ARVs are capable of extraordinary speed, maneuverability and lift/hover. By 2009, these technologies had gone through many generations of refinement and, if deployed, could easily hoax or simulate an Extraterrestrial Vehicle (ETV). (Note that a UFO is a nonspecific term and could be either an ARV or an ETV.)

- Programmed Life Forms (PLFs) – these are well-crafted alien-appearing creatures that, while completely manmade, often deceive unknowing people as 'aliens'. The stagecraft, genetics and other sciences associated with these creatures are beyond the scope of this brief, but are very well developed. I have personally been briefed by multiple independent corroborating sources regarding the development and deployment of PLFs. These creatures, used in conjunction with ARVs, have convincingly launched the pop culture fervor over 'alien abductions'. Victims of such paramilitary human-controlled abductions genuinely believe that they have been abducted by 'aliens' and often have physical stigmata and 'implants' to prove it. These implants are also manmade and we have information about the laboratory and corporation making these items. (See attached documents.)

- Chemical, optical and electro-magnetic systems to assist with creating an alteration in awareness are components of the 'stagecraft' used to hoax an 'alien' event.

The vast majority of information in the public domain on the UFO subject is, therefore, carefully orchestrated disinformation designed to prepare the populace, as well as our leaders, for a non-existent 'alien threat'. The psychological warfare implications of this were described in the 1950s in CIA documents and are further elucidated by other documents and testimony. No less a figure than Wernher von Braun warned of this cosmic deception.

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The objective of such a false flag operation is the creation of an enemy in space that would unite the world behind a global military power against such an 'alien threat'. President Reagan and other leaders have been targeted with such disinformation, which is designed to secure their silence or cooperation with the agenda of secrecy and space weaponization. The President needs to be careful to avoid being similarly deceived.

After very careful review of all data and documents and after interviewing hundreds of top-secret witnesses, we have concluded that the actual extraterrestrial presence is distinctly non-hostile. In light of the reckless and aggressive nature of many of our covert military actions and the extraordinarily advanced technologies that permit interstellar travel by these extraterrestrial civilizations, if they were hostile, human civilization would have been dealt with decisively at the dawn of the nuclear era.

These visitors, however, appear to be very concerned with unchecked human hostility, war-making and weapons of mass destruction, combined with our early potential for space travel.

The tendency for people to engage in anthropocentric projection leads many to assume a threat where none exists. It is more likely that humanity may be seen as a threat to the cosmic order, insofar as we have failed to restrain the expansion of weapons of mass destruction while attempting to push farther and farther into space. Moreover, we have failed to initiate an enlightened and peaceful diplomatic mission to these extraterrestrial visitors.

This needs to change immediately.

Disclosure of this subject must be very carefully planned and positioned as a hopeful and elevating moment in human history. A poorly positioned Disclosure that demonizes these visitors or frightens the public may prove more harmful than secrecy.

As you may know, my uncle was the senior project engineer who worked on the Lunar Module that took Neil Armstrong to the Moon. The reason we were not welcome in space then is because the passport to traverse the universe is a stable peaceful world civilization that will go into space united and in peace.

In this regard, world peace and universal peace are two sides of the same coin.

Once we vow to live peacefully on Earth and go into space only in peace, we will be welcomed with open arms. Until then, a type of cosmic quarantine exists—rightly—around the Earth.

Unfortunately, the media and movie industry are highly penetrated by interests loyal to the Majestic group, which has used the media to, in turns, ridicule the subject and present terrifying images of 'alien invasion'. In short, the populace is almost thoroughly brainwashed on the matter, and this presents a further hurdle that must be carefully taken into account when planning Disclosure.

Nevertheless, the status quo can no longer hold and fundamental change is urgently needed. To this end, we urge the President to undertake a number of initiatives as soon as possible. We recommend that the President:

- Appoint a Special Presidential Task Force to investigate this matter, identify covert facilities and assets (see attached summary) and reassert Executive control over these projects;

- Identify and immediately stand down operations that are covertly targeting Extraterrestrial Vehicles, weaponizing space and engaging in rogue disinformation projects;

- Develop response plans to minimize the risks related to potential false flag operations that intend to hoax a hostile 'alien' presence, including preparations with military, intelligence and international institutions;

- Form The Council on Interplanetary Relations to coordinate a peaceful, forward-looking and non-militarized response to the extraterrestrial presence. The Center for the Study of Extraterrestrial Intelligence (see www.CSETI.org) has an 18-year ongoing project to establish such contact and can assist with this process. CSETI, working with other governments and world figures, will form such a Council if the US government decides not to do so within the next 12 months;

- Immediately fund the study, development and careful release of those new energy technologies that can quickly replace fossil fuels and nuclear power. (See www.TheOrionProject.org) Note that these technologies, since they acquire energy from the zero-point energy field of space-time, will allow for the retirement of the electric energy grid. We are in possession of documents and information regarding

key facilities and assets connected to these technologies (see attached documents). We recommend that the propulsion and transportation aspects of these technologies (electro-magneto-gravitic systems) be released at a later time when the world security situation has improved;

- Establish high-ranking liaisons with Congress, the UN and other governments to coordinate these projects and the release of the new energy technologies;

- [Consider that the] National Security Council needs to form a section specifically addressing the international, interplanetary and macro-economic implications of this disclosure and urgently prepare for the release of these technologies;

- [Note that the] Orion Project (www.TheOrionProject.org) has identified key scientists to assist with the development of these new energy technologies. They have agreed to work with us, but are being prevented from doing so, one by a compartmented operation (TS SCI [Top Secret/Sensitive Compartmented Information]) to which he is assigned. We request an

action by the Office of the President to specifically permit them to work with us with the full support and protection of the President. We cannot overemphasize how important it is that these people be assigned to this critical task: in less than one year, we would have new energy generators developed to run America, free from oil, gas, coal or nuclear power.

CSETI, working with other governments and world figures, will form such a Council if the US government decides not to do so within the next 12 months...

President Obama, we stand ready to assist you and your Administration with these and other tasks, and pledge to you our full support. I will personally fulfill any request from your office with the utmost integrity, discretion and confidentiality.

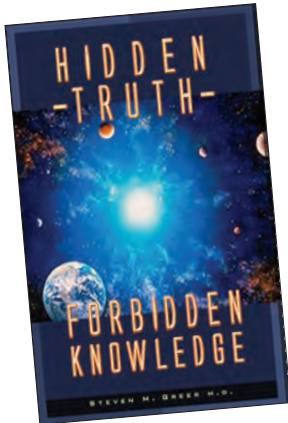
Please be assured of my heartfelt prayers on your behalf for your guidance, protection and success as you begin your historic role as President of the United States.

Respectfully,

Steven M. Greer, MD
Director
The Disclosure Project

Continued on page 82

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.

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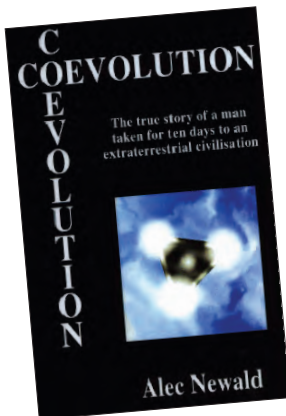
Countdown to
Transformation

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!

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A true story!



*The true story of a
man taken for ten
days to an
extraterrestrial
civilisation*

Alec Newald set off on what should have been a 3-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.

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UFO DISCLOSURE

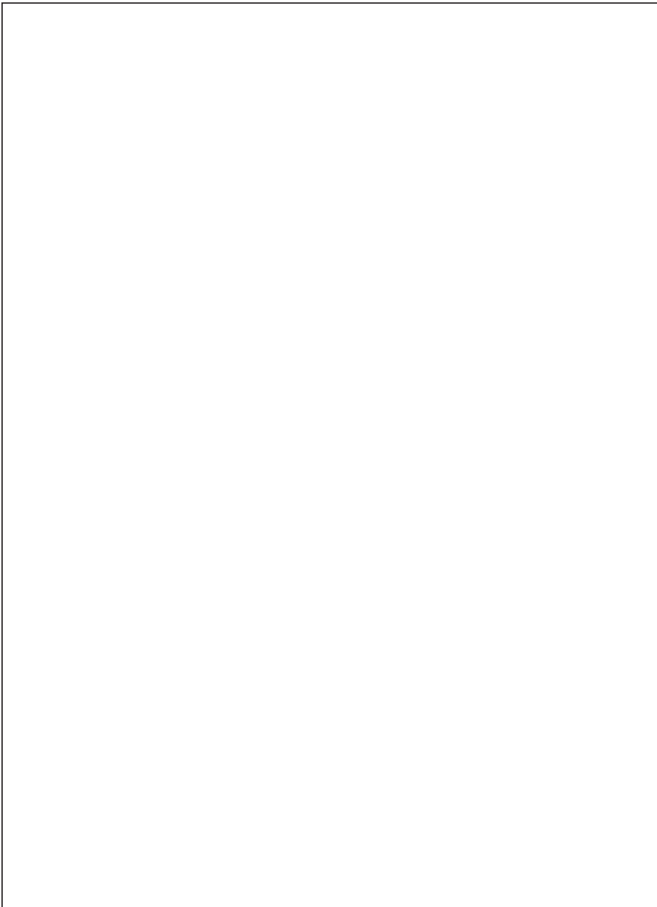


DISCLOSURE

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.

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TESTIMONY FROM A "MAN IN BLACK"

We received this letter several years ago and thought it was time to publish it, although in edited form. This story portrays just one aspect of the Men in Black phenomenon.

– Editor

During the mid-late 1980s, I worked as a "Man in Black" (MIB) for [details deleted], at Los Alamos, New Mexico.

I was a part-time employee and performed only two functions on a semi-regular basis: subject interviews and on-site photography. I worked different locations in the USA.

My contact at Los Alamos was named James Kirk, a Captain in the Air Force, which was the subject of much stifled humour behind the man's back. As he wore a uniform with that name tag much of the time, I was led to believe that it was his actual name, and it seemed just too ridiculous to have used that particular one under the

circumstances unless it was real.

"Man in Black" was not a term that was ever used for my work. It was invented, I believe, by the ufologist crowd or quite possibly by one of the magazines related to such study.

My actual position was "Assistant, Field, Technical Support", and my place of contact was at Tech Area 55 above Los Alamos proper. Later I heard that the actual project was called The Legacy Project, but I had no contact with the real work going on there. My duties were actually fairly simple and oft times boring. Long drives down to the southern part of the state were time-consuming and monotonous. When I arrived at a pre-designated place, I was there to interview a subject or merely to take a photograph.

Prior to leaving Los Alamos, I was shown a package with instructions (by Captain Kirk, who waited while I absorbed the material, then took the package back). The instructions were memorised, just as the answers I would receive from subjects would be memorised when I got them and then transcribed

onto a report which would be hand-delivered back to Captain Kirk. I possessed no clearance that I was ever aware of at that time, although I was allowed direct and immediate access (on sight!) through the high security gate which guarded the area. My general instructions were specific only in that I was to work the required questions into as normal and friendly a conversation as I could create with the subject.

During my years performing these services, I interviewed more than 200 subjects, most of whom had purportedly seen some UFO-related event and a few of whom purported to be contactees and abductees. They were not termed as such by the DOE, but were all merely described as "Subjects of Interest".

The most notable people I interviewed during this time were the Chief of Police of Socorro, the Mayor of Roswell and also the head of the School of Mining and Technology in Socorro. They had all supposedly witnessed UFO events. The questions I was given to ask were most times pretty similar,

although I do not remember the exact wording after all these years: "What did you see?" (getting as much detail here as I could); "Where did you see it?"; "When did you see it?"; "How do you feel about what you have seen?"; "Have you seen anything like this before?"; "Have you contacted the media about this event?"; "Do you feel you might benefit from talking to someone professionally about what you saw?"; "Did you make any notes, drawings or take any photographs or film of the event?" (acquiring as much of this as was possible, but in my time of service I never was able to get any).

The photography I performed was all of specific locations and never of the subjects I interviewed. I was specifically warned not to take photos of them, just as I was specifically instructed to retreat at the slightest suspicion by a subject or any resistance whatsoever. I was to apologise and retreat in a friendly manner and then get out of the area immediately. This happened several times, and each time I was able to back away by

saying that I was just an amateur UFO student poking around. I was also required to memorise a phone number in Los Alamos in case I was ever encountered by any authoritative body, but this never happened.

The only hard-copy paperwork I was ever allowed to carry were satellite photographs (very, very detailed) of the exact areas I was to photograph. No subject interview job was ever combined with a photography job, and I had to check the satellite photographs in at Area 55 within 24 hours of finishing the job.

Only in the last two years of my work in this area did I come to understand that I might indeed be one of the "Men in Black" that I was reading about in UFO magazines. Up until I began the interview work, I had no belief in UFOs whatsoever, but slowly, as the openly and naively offered information was so freely given to me, I came to develop first a distinct unease and then the feeling that it just might be possible that many of these stories were true. I began to consume what

materials I could find, and came across stories about people possibly doing work similar to mine.

Tools of the trade

The pay I received was okay, but the expenses were wonderful. I was allowed to order two cars for my use during those years. The first was a black BMW 533i and the second was a

European trim BMW M6, also black. Only the car colour was predetermined, and there was no resistance at all that I was ordering two very expensive automobiles, both of which I was able to keep without questions. They were registered to me and nobody ever asked me to give them back, even after I moved on to different work.

The Leica 35-mm reflex cameras and lenses which I ordered and received were treated the same way, and again the only requirement was that they be black. The Zeiss and Leica binoculars, the same. I possess all that equipment to this day.

My clothing was directed to be dark blue or black, and I chose very dark blue pinstripe suits. Coat and tie was required (white shirt always, but I was allowed to choose my ties). All suits and ties I ordered were made by Brioni and the shirts by Sea Island, all purchased from Harrods in London. The shoes were brown or black shoes from a place called Allen Edmonds in Wisconsin.

I also wore flight sunglasses but seldom really wore them for anything but driving. They were provided, but I was not told I had to wear them. I pretty much stuck to the "uniform" as designed, unless I had to hike into a rough area to take some photographs.

I did once inquire about the rather set colour scheme and was told by Kirk that the colours allowed people not to focus attention until later. I could never quite understand how people (especially men) might not focus attention on something as exotic as a BMW M6. I ordered the cars because I really wanted them and could never have afforded them without that kind of support.

I never expected to be able to have the orders approved, much less be allowed to keep them, but nobody ever denied me anything or asked for anything back.



Reflections on UFO experiences

I mention all the information in the proceeding paragraphs because it led me eventually to conclude that I might actually be serving as one of the strange Men in Black that I had read about. I truthfully never had the nerve actually to ask the question of anyone at Los Alamos, and even later, as I moved into higher intelligence work but unrelated to anything to do with UFOs, I never broached the subject again.

In truth, I was a bit scared away from that by Kirk himself. I did ask him once, because of the seeming veracity of the answers I was getting to the UFO event questions, whether the damned things were real. He looked at me very seriously for a moment and then said: "Leave that shit alone. UFOs are about the most dangerous subject you can ever discuss once you have done this kind of work." I felt the seriousness of his delivery right to my core, and I took it to heart.

I loved doing some of the work, but in reality I loved having that kind of power. It was ephemeral, but when I suited up, drove to Los Alamos, memorised the data and headed out to the southwestern desert, I felt like I was a kid working for Captain Midnight. I never got to use any power back then, but sure felt like I had it.

My most uncomfortable times came when some of the event witnesses asked me questions I could not answer. The worst question was "How did you know?", and I came to dread that one.

As time went by, I knew that it would be followed with a statement, "But I told no one, not even my spouse, or parents, or whatever". And I had no answer for that as I had no idea. I was only given the subject's name, location and the simple questions. Most everyone talked to me openly, even the Chief

of Police whom I met in a restaurant, seemingly by accident. Several times I felt bad because people broke down and cried or were really torn up by the experience. This added credibility to their answers but hurt me nevertheless, and I never could really transmit in my reports the kind of credibility their response gave their answers.

I am older and retired now, and maybe by writing this letter I will add some piece to the great mosaic I cannot see in totality or understand. I write to you anonymously because I know all about recrimination. I am infirm and really don't care overly much, but I am comfortable and would be hard pushed if I were to lose part of my retirement [benefit] (a common tactic of the intelligence community).

I also note that UFOs just don't get talked about much any more, and that most related magazines have all but disappeared from bookstores. Or maybe there just are no UFOs that are not our own black projects or mistaken physical phenomena.

I was pretty shaken by what I

learned, however, and today, because of that work, I remain very open to the real possibility that these things are indeed real. Maybe there will also be other guys that come forward who served in similar roles. I can't believe that all the rumours were generated from people talking about me alone. I was pretty damned good at making friends and securing confidences, but one never knows. Besides, I think the MIB term was coined well before 1983.

Oh, I dutifully never made copies of any of my reports and never kept a record of whom I interviewed, and the ones I recall the names of I will not tell you.

I must have done enough right for Captain Kirk to recommend me. I never saw him again or got back to Los Alamos.

I must admit, however, in looking back, that I never again wore such magnificent clothing or drove such wondrous automobiles. When it came down to it, I just could not generate the courage to spend that much of my own money on such things.

Sincerely,
(Anon.)

∞





REVIEWS

BOOKS

Reviewed by Ruth Parnell

RAISING INTUITIVE CHILDREN

by Caron B. Goode, EdD, and Tara Paterson

New Page Books, USA, 2009

ISBN 978-1-60163-051-3 (236pp tpb)

Available: www.NewPageBooks.com

All children possess intuition, a form of natural intelligence, but how they develop it depends on environment, parental support and education. Enter co-authors and parenting advisers Caron Goode and Tara Paterson, who have compiled this guide to help parents understand children and teenagers and nurture their natural intuitive abilities. With the input of intuitive intelligence, different types of children can develop physical prowess or become creative and inspired, empathic, psychic or spiritually intuitive.

Goode and Paterson also look at risk factors from environmental toxicity to food additives and advise on how to counteract adverse impacts on sensitive youngsters. And the more sensitive, the more easily stressed intuitive children can be, which is where exercises on shifting emotional and psychic states come in—a boon to parents. The

authors ask: what if we provided our children with the tools to trust their inner guidance? They offer workable answers in their empowering book.

THE INDIGO CHILDREN: TEN YEARS LATER

by Lee Carroll and Jan Tober

Hay House, 2009

978-1-4019-2317-4 (286pp tpb)

Available: www.hayhouse.com

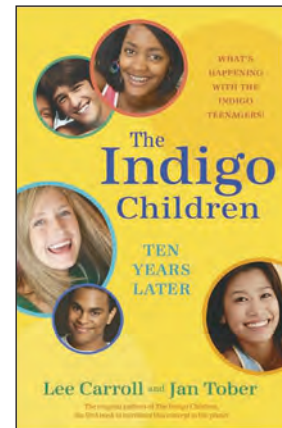
The "indigo children" phenomenon was first observed by sensitive and synesthete Nancy Ann Tappe, who by the late 1970s had noticed a new colour, indigo blue, around children and perceived that a new kind of person was being born on Earth, representing an evolutionary development in humankind. Their numbers grew through the 1990s and beyond, and Tappe has identified 12 indigo types. Her observations became the basis of Lee Carroll and Jan Tober's book *The Indigo Children*, published in 1999 (reviewed in 7/01).

Ten years on, Carroll and Tober have revisited these children, who are now teenagers and young adults, to see how they're progressing. They have also interviewed Tappe, who reveals that some early indigos now have high profiles—Barack Obama and Tiger Woods among them.

Carroll provides the extensive

opening commentary and introduces each chapter containing contributions from educators, employers, health workers, parents, indigos themselves, and also several professionals from outside North America—relevant considering that the indigo phenomenon is global.

Carroll and Tober say that the multi-faceted indigo phenomenon is not to be interpreted in terms of New Age philosophy. These special people, many of whom have psychic talents, should be taken seriously by educators and health professionals. Indigos don't have to be drugged for attention deficit disorder but should be listened to and their higher levels of consciousness and compassion appreciated, for they have the ability to change the world for the better.



REVIEWS



CELLULAR AWAKENING

by **Barbara Wren**

Hay House, 2009

ISBN 978-1-84850-103-4 (243pp tpb)

Available: www.hayhouse.co.uk

We are multidimensional interconnected beings of light living in an interconnected universe, says Barbara Wren, an inspired healer with over 35 years' experience. As vibrational beings, we can get ourselves back into balance by tapping into the universal wisdom and matching our cellular vibration with that of the changing macrocosm.

To achieve cellular integrity and better communication between cells, Wren says that the most important things we can do are to ensure our body is properly hydrated and our pH correctly balanced. We also need to maintain correct body temperature, and Wren explains the importance of iodine in achieving this. Also vital to health and harmony is to get the balance of minerals right in our diet.

Wren cautions that vaccines do great damage to the body; they actually give the resonance of the very diseases they are meant to treat, so these distorted resonances need to be counteracted. And if we want to achieve true health and freedom, we have to realise that our thoughts and belief systems need to be aligned, for

when the mind truly connects with the body it is like a light going on in every cell. Sharing the benefit of her experience, Wren provides the tools to restore our balance and become the shining beings that we really are.

MORE SILENT FIELDS

by **Donna Fisher**

Joshua Books, Qld, Australia, 2009

ISBN 978-0-9806061-1-9 (149pp tpb)

Available: www.JoshuaBooks.com

There is no safe level of exposure to electromagnetic fields (EMFs), claims Donna Fisher in this sequel to her 2008 book *Silent Fields* (see review in 15/06). Her opening case studies highlight that removing exposure to EMFs can resolve health crises where everything else has been tested for and nothing else has worked.

Fisher exposes the health dangers from EMFs as well as "dirty electricity"—caused by intermittent flow of current that spikes into a dangerous high frequency (see her article in 16/06). Utilising scientific data spanning the last few decades, she reveals that major health concerns including cancers (and breast cancer clusters), diabetes, autism and multiple sclerosis have been on the rise with each introduction of new technologies producing non-ionising radiation.

Fisher sees encouraging signs from some countries that are taking these health scares seriously and are adopting the precautionary principle and advocating overhauls of emission standards. She's a staunch advocate of reducing EMF exposure levels and installing filtering technologies that can clean up dirty electricity leakage, and she gives tips on what we can do to make our homes, schools and workplaces safer. Of growing concern, though, is the rise in use of wireless (WiFi) technologies, which because of their all-pervasive nature are more difficult to clean up.

In *More Silent Fields*, Fisher helps demystify this complex subject and gives practical guidelines for protecting ourselves and our loved ones now and in the long term.



Underwater Bases

There are more underground bases than you think, and there's more going on than just planning to keep the Government alive during a nuclear war. Working from public documents and corporate records, this book digs below the surface of the government's super-secret underground!

UNDERWATER AND UNDER- GROUND BASES

by

Richard Sauder, Ph.D.

To order, visit:
www.nexusmagazine.com



REVIEWS

THE SACRED CENTER: The Ancient Art of Locating Sanctuaries by John Michell

Inner Traditions, USA, 2009 (first published as *At the Centre of the World*, Thames & Hudson, London, 1994) ISBN 978-1-59477-284-9 (192pp tpb)

Available: www.InnerTraditions.com

When we feel in balance in body, mind and soul, we say that we feel centred. This sense has a long pedigree, going back to the times when we sat around a central hearth that in turn was part of a whole that had a sacred heartland, a centre of the known universe.

This reprint of John Michell's modern classic of 1994 is timely in that it reminds us of the source of some of the ageless principles that have guided humanity's progress.

Michell focuses on the British Isles as well as Iceland and the Faroe Islands, and explains that in days of yore these islands, big and small, had centres that were determined geographically as more or less the midpoint between north and south, east and west. Such centres were a feature of ancient Greece and Egypt, too, as well as Gaul (France). The case of the Isle of Man is particularly interesting. The island seems to be at the geographic midpoint of the British Isles, and open-air

governments have been held at its centre for a thousand years or more.

Celtic symbolism, geomancy, kingship tradition and cosmic codes are all par for the course in this spell-binding book by a pioneering researcher of sacred landscapes.

BEFORE THE PYRAMIDS: Cracking Archaeology's Greatest Mystery by Christopher Knight & Alan Butler

Watkins Publishing, London, 2009 ISBN 978-1-906787-43-1 (271pp tpb)

Avail: www.watkinspublishing.co.uk

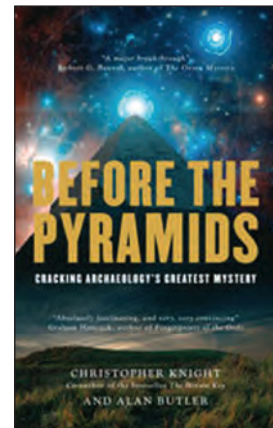
Having previously highlighted the work of British engineer Alexander Thom in rediscovering the megalithic yard, Christopher Knight and Alan Butler (*Civilization One*; reviewed in 11/06) show that this measure was incorporated into such structures as the Thornborough triple henge in Yorkshire, dated to c. 3500 BC, and Stonehenge in Wiltshire, England. The geometry was based on a 366-degree system, and they found that the circumference of Stonehenge is 366 megalithic yards.

In *Before the Pyramids*, Knight and Butler go on to show that knowledge of this system, developed on the British Isles and based on a precise fraction of the Earth's polar circumference, found its way to Egypt where it was applied in the

construction of the pyramids. They also expand on Bauval and Gilbert's discovery about the stars in the Belt of the constellation Orion, saying that the much older Thornborough henges also reflect these three stars.

Cut to more modern times, and Knight and Butler reveal that the layout and key buildings of Washington DC's capitol were designed utilising these megalithic measurements, suggesting that the city's founders possessed secret knowledge passed down through Freemasonry from ancient times. The authors are so sure of their claims that they are prepared to challenge anyone to defend the reality of this ancient grand plan.

This is compelling material that is serving to reinterpret our history.



REVIEWS



MASTERS OF DECEPTION

by Guy Patton

Frontier Publishing, Amsterdam, 2009
ISBN 978-1-931882-88-0 (280pp tpb)

Available: www.frontierpublishing.nl;
www.adventuresunlimitedpress.com

Politics is about perception and sometimes deception, but even more so in the symbol-filled world of occult politics. Here, truth and reality are subverted by the Masters of Deception so as to hide the pursuit of their ambitions and their drive for real geopolitical influence and the ultimate victory of their ideology. This is the perspective of historical researcher Guy Patton.

His coverage starts with the fall of Rome, the rise of the Merovingians and the Knights Templar, and the search for the lost treasure of the Temple of Jerusalem. This treasure, wrongly believed to be behind the sudden wealth acquired by Abbé Saunière of Rennes-le-Château in France, was also sought by the Nazis and the mysterious Priory of Sion. Patton concludes that the Priory did and may still exist and, despite its inventive account of its history, was only set up in 1956 and likely was linked in with other occult groups.

In discussing underground political machinations in Europe, Patton uncovers the far-right-wing synarchy

movement, anti-Communist secret societies and steps to institute a New World Order. An erudite discourse on secrecy behind the scenes.

STALKING THE TRICKSTERS

by Christopher O'Brien

Frontier Publishing, Amsterdam, 2009
ISBN 978-1-931882-88-0 (280pp tpb)

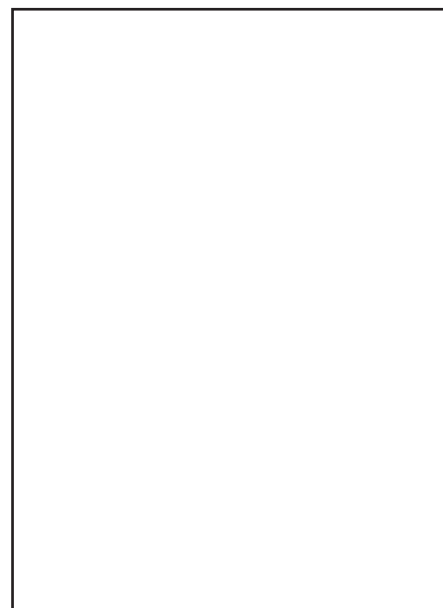
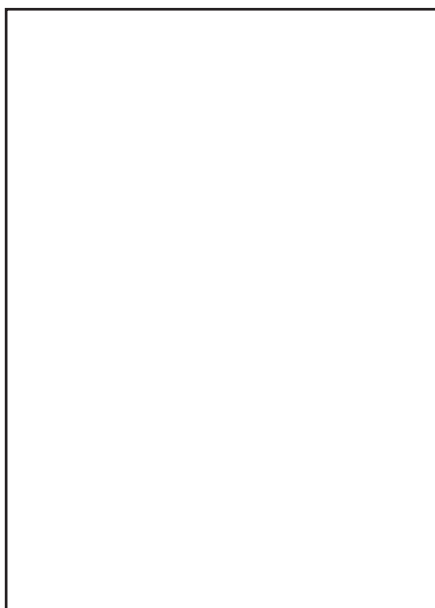
Available: www.frontierpublishing.nl;
www.adventuresunlimitedpress.com

So-called "tricksters" have a long history in most cultures and have shown themselves able to manifest in a multitude of forms, whether as demons, elemental spirits, "fools", leprechauns, shapeshifters, vampires, witches or "crypto-creatures". They're archetypal agents of social change, are often irreverent, clownish and nonsensical, are sometimes amoral and highly sexualised, and can be foolish and wise at the same time.

An investigator of the anomalous and unexplained, particularly in the regions of Colorado and New Mexico, Christopher O'Brien (author of *Secrets of The Mysterious Valley*; see 14/05) takes on the worldwide phenomenon of the trickster character in its various guises and with its accompanying superstitions. The feared skinwalkers of the Navajo and Apache can transform into animal forms including the coyote, wolf, dog, fox or

crow and practise a type of black magic. O'Brien compares them with the Kadaicha Men of the Australian Aborigines who act as both shaman and enforcer, punishing those who break tribal taboos.

According to "techno-shaman" O'Brien, tricksters have found ways to make their presence felt in the modern world in a paranormal form, e.g., as shapeshifting reptilians, elusive UFOs and alien abductors, the confounding red-eyed chupacabras, and even the Rockefeller dynasty with its alleged NWO agenda to manipulate the populace. *Stalking the Tricksters* is a rollicking ride through cultural mythology, religious traditions and modern folklore, replete with numerous photos and illustrations.





REVIEWS

COSMOLOGICAL ICE AGES & GLOBAL WARMING

by **Henry Kroll with Brad Guth**
Trafford Pub., BC, Canada, 2009
ISBN 978-1-4251-7062 (387pp 1/f pb)
Available: www.AlaskaPublishing.com



It took a mariner and navigator to come up with a stunning hypothesis as to what causes and ends ice ages on Earth. Henry Kroll realised that our planet's initial high CO₂ concentration came down so significantly because of plant growth in the oceans, but this growth spurt needed a more powerful spectral force than our Sun could provide. With astronomy colleague Brad Guth, he came up with the idea that on a cyclical basis Sirius B was doubling our UV radiation and even causing layers of oil, coal and limestone to be formed from excess CO₂. Kroll and Guth speculate that our solar system is part of a cluster of 100-odd stars, all orbiting relative to each other, and is captive to the Sirius and Procyon star systems. They quote scientific evidence that the CO₂ content of Earth's atmosphere drops to near zero every 105,000 years, a periodicity which corresponds with our closest orbital point to the Sirius system.

The researchers plotted the Sun's course backwards from Hercules, only to find that our solar system was born in the Orion constellation, yet we're travelling towards Sirius at 7.5 km per second. Three million years ago, when a star between Orion and galactic centre went into supernova,

we were blasted into a longer elliptical orbit that resulted in an ice age cycle. The blast from that event reverberated on our planet about 15,000 years ago, ending the ice age and raising the ambient temperature, thus making civilisation possible.

This book could do with some fine-tuning editing-wise, but don't let that detract from the astonishing ideas that the authors propose about the cosmos and our place in it.

CLIMATE CHANGE: EXPLAINED BY MAGNETISM?

by **Thomas T. S. Watson**
Self-published, Victoria, Aust, 2009
ISBN 978-0-646-47722-0 (192pp tpb)
Available: T. T. S. Watson, 32 Kinlock Street, Bell Post Hill, Vic. 3215, Australia, tel +61 3 5278 7628, email ttsw@datafast.net.au

A retired draftsman, Tom Watson began his research into the link between magnetism and gravity back in 1981. He believes he has found that link in the ratio of the mass diameter of an electron to the mass diameter of a proton. He published his revelations in 2007 in *A Fresh Approach to Magnetism* (see 14/01) and has now applied his findings to a study of climate change.

Watson contends that the climate has always been variable and that magnetic interactions between the Sun and Earth—not human-induced CO₂ emissions—are responsible for the major part of climate change. What really tipped the balance was the Sun's magnetic pole reversal of February 2001; the altered magnetic field is changing barometric pressure zones and reversing the seasons.

In his exhaustively researched book, with well-produced graphics, Watson debunks the work of global warming alarmists and examines the interplaying variables including orbital changes and the planet's decreasing magnetic field. He also reprints key papers on the climate change debate in the appendices. His radical rethink on climate change is well worth taking the time to study.

REVIEWS



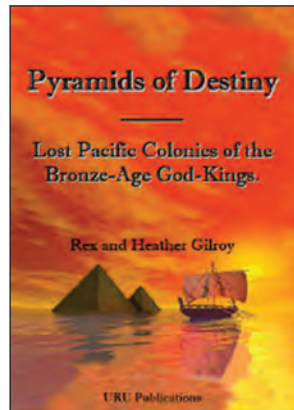
PYRAMIDS OF DESTINY

by **Rex and Heather Gilroy**

URU Pub., Katoomba, Aust, 2009

ISBN 978-0-9578716-8-7 (607pp tpb)

Available: URU Publications, PO Box 202, Katoomba NSW 2780, Australia, tel +61 (0)2 4782 3441, email randhgilroy44@bigpond.com



The oldest remains of anatomically modern humans are to be found in Australia, say researchers Rex and Heather Gilroy in their weighty, large-format new book. Well illustrated with b&w photos, *Pyramids of Destiny* expands on themes in their books *Uru* and *Pyramids in the Pacific* (8/01).

Endocasts of skulls that the Gilroys have found could be 400,000 years old, showing an evolution from *Homo erectus* that entered Australia and eventually migrated to other lands at a time when Australia was connected to Papua New Guinea. The Gilroys conclude that the first civilisation was the megalithic civilisation of Uru, and examples of their constructions, pyramid hills, rock sculptures and writing abound in Australia. The Uru eventually spread to New Zealand, the Pacific, the Middle East, Africa and beyond. Finally, 4,000 years ago, Bronze Age peoples began visiting Australia to mine resources such as copper and gold. They were ancient Egyptians, Phoenicians, Sumerians, Indo-Aryans and Indo-Americans. Rex noted enough similarities with their scripts that he has been able to decipher some of the original language of the Uru—a name that kept cropping up in rock carvings.

There is a wealth of archaeological evidence here that overturns the accepted history of our ancient past.

BENEATH THE PYRAMIDS

by **Andrew Collins**

4th Dimension Press, VA, USA, 2009

ISBN 978-0-87604-571-8 (262pp tpb)

Avail: www.4thDimensionPress.com

An underworld of catacombs, chambers and tunnels lies beneath the pyramids on the Giza Plateau. This network was known to ancient writers and from Arabic legends but stayed a secret until discovered in 1817 by Sir Henry Salt and Giovanni Cavaglia. One entrance to this underworld was recently rediscovered, explored and mapped by researcher Andrew Collins and his collaborators, although the Egyptian authorities are not giving this find much credence (see Philip Coppens's article in this edition).

Collins discusses the ancient mythologies concerning the afterlife, including that of the Duat, or the underworld, as well as the prophetic visions of American psychic Edgar Cayce about a Hall of Records—a location that is still elusive because perhaps it's associated with the non-physical akashic realm. He also examines the correlation between the three Giza pyramids and the three "wing" stars in the constellation Cygnus (not Orion, as popularised by Bauval and Gilbert), with the help of a colleague, engineer Rodney Hale. It was Hale who determined that Cygnus's wing stars, as seen from Gebel Gibli, Giza's southern hill and "primaeval mound", actually set into their corresponding pyramids. Collins, along with Hale, uncovered several other alignments featuring Gebel Gibli, the Giza pyramids and Cygnus, including that Deneb, the brightest star of the constellation, set at nightfall into the capstone of the Second Pyramid c. 2500 BC.

This is a fascinating journey by a passionate researcher into the secret world that's yet to be fully uncovered within the Giza Plateau.



REVIEWS

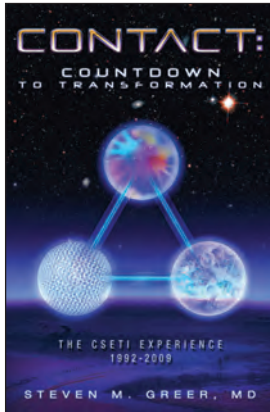
CONTACT: Countdown to Transformation

by **Steven M. Greer, MD**

Crossing Point, Crozet, VA, USA, 2009

ISBN 978-0-9673238-3-1 (455pp tpb)

Available: www.DisclosureProject.org



UFO disclosure campaigner Dr Steven Greer has saved the best, most astounding material on extraterrestrial encounters for his book *Contact*. It's a record of CSETI members' experiences, his own included, of contact between 1992 and 2009 with universal energies and beings. These encounters are usually of the fifth kind, where humans initiate interaction with ETs and receive responses in return.

Dr Greer has developed protocols based on the principle of universal consciousness and, along with a bevy of associates, has plugged into a non-local, interstellar telepathic communication channel which has revolutionary and evolutionary implications. The experiences involve materialising/dematerialising craft, electromagnetic events, powerful healing transmissions and the possibility of our entering a larger cosmic society (see his Presidential Briefing paper in this edition). Greer tempers his coverage with tales of the military's suppression of Disclosure initiatives, and illuminates us on the history of *Homo sapiens*.

Just about everything we've been taught is wrong, says Dr Greer, who espouses the imperative for us to develop higher, transformational states of consciousness.

EXPOSING U.S. GOVERNMENT POLICIES ON EXTRATERRESTRIAL LIFE: The Challenge of Exopolitics

by **Michael E. Salla, PhD**

Exopolitics Institute, Hawaii, 2009

ISBN 978-0-9822902-0-0 (364pp tpb)

Available: www.ExopoliticsInstitute.org

Dr Michael Salla is committed to helping the public prepare for interaction with intelligent space-based civilisations, despite attempts by the powers-that-be to prevent this (see his article in this edition and 16/06). In the first part of his new book, Dr Salla confirms the reality of secret agreements between ET civilisations and the US shadow government, and presents testimony about military-alien experiments on the populace and information about black-budget funding and staffing of ET-related projects.

Next, he examines critical responses to post-WWII shadow government policies on ET life and advanced technology. He uncovers the weaknesses in public policy that actually threaten human sovereignty and points out that "power politics" fails to recognise the importance of an informed citizenry as a restraint on irresponsible policy choices. He also warns of the dangers of using space-based weapons against ET civilisations.

Third, Dr Salla explains how exopolitics as a new paradigm has developed as a systematic way of looking at ET-related public policy, and he suggests how citizens can be equipped to participate in the policymaking process. Exopolitics can involve false flag operations and can underlie major international public policy issues. Finally, he outlines the significance of public perception on ET life and how empowered, informed citizens can deal with an undeclared ET presence.

Dr Salla, in his incisive and well-documented book, anticipates a reality that we'll have to deal with sooner or later. It's important, he says, to take steps to prepare for it.

REVIEWS



DVDs

Compiled by Duncan Roads

SYMBOLS OF AN ALIEN SKY
by The Thunderbolts Project
Mikamar Publishing, 2009 (78mins)
Available: www.thunderbolts.info

Symbols of an Alien Sky introduces you to celestial spectacles and Earth-shaking events once remembered around the world. Archaic symbols of these events still surround us, some as icons of the world's great religions, though the origins of the symbols appear to be lost in obscurity.

Cultural history seems fragmented and contradictory. But, as demonstrated in this film, there are also levels of deep agreement between the cultures. According to David Talbott, these "archetypes" allow for a radical reinterpretation of both human and planetary history. Competing regional symbols are aspects of "one story told around the world", a story both awe-inspiring and terrifying.

If you're interested in the idea of an Electric Universe, this is for you!



WHAT WE KNOW IS A DROP:

The Mystery of Water
Grander Technology, 2009

Available: www.grander.com.au

The more one looks into the topic of water, the more mysterious and secretive it seems to be. In this DVD, the Institute for Aviation in Stuttgart, under the leadership of Prof. Bernd Kröplin, shows that lettuce leaves



can transfer mobile phone radiation to water and that water can store this information and transfer it on further.

Johann Grander, whose invention is based on the transfer of information in water, has taken the same view. His water revitalisers are filled with "information water", and thus the flowing water absorbs this positive information without having direct contact. Grander and Schauburger fans will love this film!

THIS SACRED EARTH:

The 2012 Phenomenon

Wild Pure Heart, Australia, 2009

Available: www.wildpureheart.com

This Sacred Earth: The 2012 Phenomenon is a documentary that uses the 2012 prophecies as a way to ask how we can fall back in love with Mother Earth to improve both ourselves and the planet.

From their belief that a disconnection from nature is at the root cause of our planetary crisis, the filmmakers ask wisdom-keepers around the globe what each one of us can do to ensure the 2012 indigenous prophecy of a millennium of peace becomes a reality.

Uplifting, inspiring, entertaining and full of wisdom, this is a documentary that takes away uncertainty and replaces it with love and excitement about the future.

The film features William Bloom, Dolores Cannon, John Cantwell, Philip Carr-Gomm, Lucy Cavendish, Andras Corban Arthen, Billie Dean, Haleaka Iolani Pule Dooley, Paola Harris, Anne Hassett, Minmia, Janet Ossebaard, Geo Athena Trevarthen, Alberto Villoldo and many more.



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REVIEWS

MUSIC

Reviewed by Richard Giles

MAŠKARADĀ

by Taraf de Haïdouks

Crammed Discs, Belgium, 2007
(60mins)

Distributors: **Australia**—The Planet Company, tel (02) 9283 8250;

Europe—Crammed Discs, Belgium, tel +32 2640 7914, www.crammed.be

Taraf de Haïdouks is a troupe of Romanian Gypsy musicians, the most prominent of the new era. The group formed in 1989, shortly before the downfall of dictator Nicolae Ceaușescu, and are best known in the Balkans and the French-speaking countries of Europe. The original line-up had about a dozen musicians and sometimes as many as thirty. This album covers their wilder gypsy-style interpretations of classical music from Bartók, de Falla, Albéniz and more. A roisterous collection of both soft and rousing tunes.

JACQUES LOUSSIER PLAYS BACH: The 50th Anniversary Recording by Jacques Loussier

Telarc, USA, 2009 (53mins)

Distributors: **Australia**—The Planet Company, tel (02) 9283 8250; **USA**—Telarc International Records, tel 1800 801 5810, [website www.telarc.com](http://www.telarc.com)

The roots of this historic jazz album go back to 1959. In his experimental forays into the evolution of jazz, pianist Jacques Loussier found ways to improvise on the works of J. S. Bach. When he took a break from his classical training by mixing elements of Bach with jazz, the results were really fresh, innovative and widely popular in the Paris club scene where he launched his career. Loussier pushed musicians and audiences of both jazz and classical music to rethink the boundary between the two genres. Five decades later, he celebrates this landmark golden anniversary. This is classical jazz, played superbly by Loussier. Essential listening.

TIME STANDS STILL

by Mike Howe

Real Music, USA 2009 (55mins)

Distributors: **Aust**—Brumby Books & Music, tel (03) 9761 5535; **USA**—Real Music, [website www.RealMusic.com](http://www.RealMusic.com)

Having had no formal training or background, Mike Howe came to musical creativity late in life. *Time Stands Still*, his first album, pleases with some totally soothing acoustic guitar sounds. Howe is inspired in his music by the place where he lives and the Welsh national park where he once worked, as well as by the people he's known. The depth of sincerity in his music is notable, and his easy guitar, combined with his own bass, keyboards and percussion, makes this a touching debut offering.

DIDGERIDOO DRUM DANCE

by various artists

Music Mosaic, Aust, 2009 (58mins)

Distributors: **Aust**—Music Mosaic, [website www.music-mosaic.com](http://www.music-mosaic.com)

Music Mosaic has a reputation for its pulsed and primal sounds with didge, drums and ambient mixes. This release features the didgeridoo's rhythmic breath of earth tones, growls, voice calls and animal sounds playing out the dance mystery. It's a musical transmutation with loosed-out mind frontiers of ambient world didgeridoo and drum dance mixes. There are tracks by Wild Marmalade, Ariel Kalma, Andy Graham, Tarshito, Ash Dargan, Brainscapes, Hollow Log and more.





Project Censored's Top 25 News Stories

Continued from page 19

expensive and destructive dam and water diversion projects as well as public-private partnerships (PPPs) that put water services under private ownership. PPPs in Argentina, Bolivia, El Salvador, the USA and other countries have resulted in huge price hikes, water pollution, depletion and cut-offs.

This year's Forum issued a communiqué that describes access to water as a "basic human need" rather than a human right, despite efforts by dissenting Latin American countries, France and Spain to introduce the right to water. They were reportedly blocked by Egypt, Brazil and the USA.

24. Dollar Glut Finances US Military Expansion

The worldwide surplus of US dollars is forcing foreign central banks to bear the costs of America's expanding military empire. Keeping international reserves in "dollars"

means that when US financial speculation and deficit payments pump "paper" into foreign economies, these banks have little option but to recycle it into US Treasury bills and bonds—which the Treasury then spends on financing an enormous, hostile military build-up to encircle the major dollar-recyclers: China, Japan and Arab OPEC oil producers.

The largest, most important foreign entities putting "their money" into the US are central banks, and it is not their money at all. They are sending back the dollars that foreign exporters and other recipients turn over to their central banks for domestic currency.

The US economy can create dollars freely, now that they no longer are convertible into gold or even into purchases of US companies. Consequently, the US remains the world's most protected economy.

25. Fast-tracked Oil Exploitation in Western Amazon

The western Amazon, home to the

most biodiverse and intact rainforest on Earth, may soon be covered with oil rigs and pipelines. Vast swaths of the region are to be opened for oil and gas exploration, putting some of the planet's most pristine and biodiverse forests at risk, conservationists have warned.

A new study has found that at least 35 multinational oil and gas companies operate over 180 oil and gas "blocks" (areas zoned for exploration and development) which now cover the Amazon in Bolivia, Colombia, Ecuador, Peru and western Brazil.

The western Amazon is also home to many indigenous ethnic groups, including some of the world's last uncontacted peoples living in voluntary isolation.

Growing global demand is stimulating unprecedented levels of new oil and gas exploration and extraction—and the threat of environmental and cultural devastation. ∞

NAZI SECRET WEAPONS



REICH OF THE BLACK SUN Nazi Secret Weapons & the Cold War Allied Legend

by Joseph P. Farrell

Why were the Allies worried about an atom bomb attack by the Germans in 1944? Why did Hitler in 1945 insist that holding Prague could win the war for the Third Reich? Why did US General George Patton's Third Army race for the Skoda works at Pilsen in Czechoslovakia instead of Berlin? Why did the US Army not test the uranium atom bomb it dropped on Hiroshima? Why did the Luftwaffe fly a non-stop round trip mission to within twenty miles of New York City in 1944? Arguing that Nazi Germany actually won the race for the atom bomb in late 1944, this book explores the even more secretive research the Nazis were conducting into the occult, alternative physics and new energy sources.

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Genetic Manipulations: An Engineering Disaster?

Continued from page 25

have never been eaten as food as new proteins in the human and animal food chains.

In 2006, scientists engineered a genetically modified breed of pigs that are able to absorb plant phosphorus more efficiently, as a result of which the phosphorus content of their manure is reduced by as much as 60 per cent.

The aim of this research study was to reduce the major problem of pollution of waterways with phosphate and nitrate (eutrophication) and was meant to be an environmentally friendly solution. Livestock accounts for 34 per cent of the phosphate pollution in the European Union, with pigs making a significant contribution because they cannot digest phosphorus as phytate (the form it takes in plants) and so they excrete the plant phosphorus in their diets as phosphate. The level of pollution has been further

exacerbated by the increasing practice of feeding pigs with mineral phosphate supplements in order to maximise growth.³²

Work is also underway to create a breed of salmon that grows at twice the rate as normally farmed salmon because it carries part of the genetic code of another type of fish, the ocean pout.³³

Once again, scientists are ostensibly attempting to solve environmental problems or enhance global food supplies by means of genetic manipulations. But at best, these well-meaning solutions seem partial, perhaps because those involved suffer from tunnel vision.

A much more effective solution to the issue of pollution of waterways with phosphorus, for instance, would be to develop farming systems which match nutrient outputs from livestock to nutrient requirements for crops, thereby avoiding the problem of nutrient outflows and improving animal welfare at the same time.³⁴

As for global food supplies, if food were not wasted and were equitably distributed among every country, we'd find that the Earth is capable of producing enough to meet humanity's need, but not to fill its greed.

Whether for food or for profiting at the cost of fellow humans or the environment, greed will not be sustained in the long run. And that is something to think about. ∞

About the Author:

Charu Bahri is an author and freelance writer living in India. She also works part-time for a charity in the health sector, and strongly advocates a simple, healthy lifestyle. She is the author of "The Ugly Truth about Beauty and Hygiene Products" (NEXUS, vol. 14, no. 1) and "Carbonated Drinks: Poison in Disguise" (NEXUS, vol. 14, no. 2). Read more about her work at <http://www.charubahri.com>.

Charu Bahri can be contacted by email at charubahri@gmail.com.



How Scientific Is Scientific Medicine?

Continued from page 33

About the Authors:

• **Len Saputo, MD**, is a 1965 graduate of Duke University Medical School, is board certified in internal medicine and was in private practice in affiliation with the John Muir Medical Center in the San Francisco Bay Area for more than 30 years.

In the early 1990s, Dr Saputo began his quest to develop a new approach to healing: integral-health medicine, an emergent medical care model that is integrative, holistic, person-centred and preventive.

In 1994, he founded the non-profit educational foundation Health Medicine Forum and was its director until 2008.

The Forum focuses on integrative medicine, the nature of healing and the politics of health care.

In 2001, he co-founded the now-called Health Medicine Center in Walnut Creek, California—one of the first clinics to bring the new model of

integral-health medicine into practice.

Dr Saputo is the co-author of *Boosting Immunity: Creating Wellness Naturally* (New World Library, 2002) and *A Return to Healing* (Origin Press, 2009), and the author of numerous articles in mainstream and alternative medicine and health publications.

He is also actively engaged in clinical research related to the use of near-infrared light therapy in pain management.

Dr Saputo can be contacted via his website www.areturtohealing.com.

• **Byron Belitsos** is an experienced journalist, editor, author, activist and award-winning book publisher specialising in health, consciousness, spirituality and politics. In 1977, he earned a BA (Hons) in intellectual history from the University of Chicago, and has taught English and humanities at college level.

He is the principal author of *One World Democracy* (2005), co-author with Dr Saputo of *A Return to Healing*

and a founding board member of 911truth.org. He established Origin Press in 1996 and is its CEO and publisher.

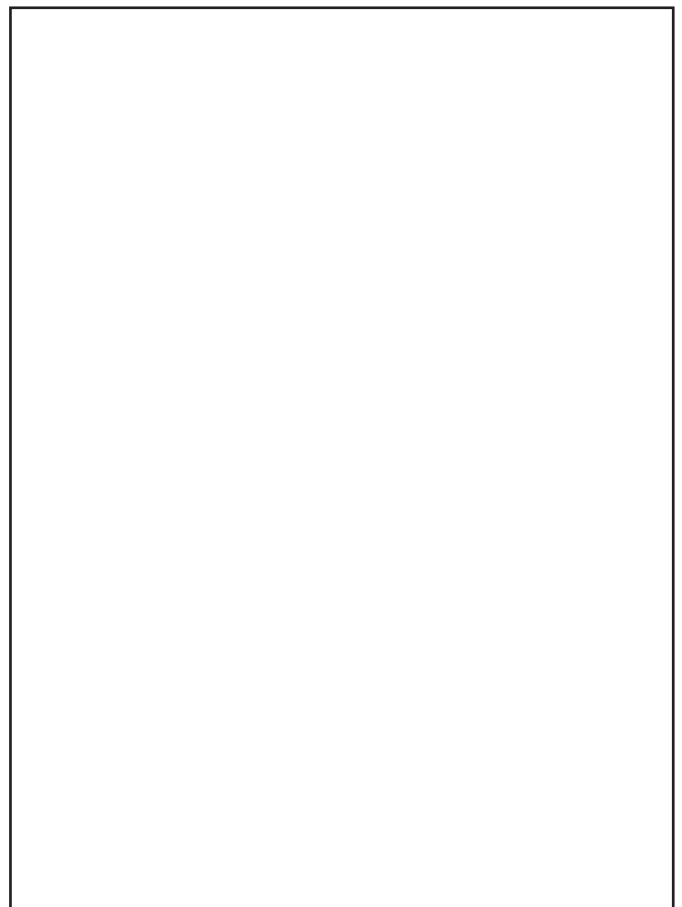
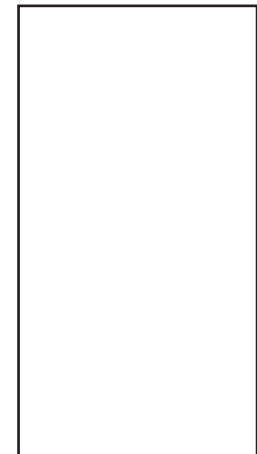
His book *Radical Wisdom: A Guide to the Post-modern Apocalypse*, is due out in 2010.

Mr Belitsos can be contacted via Origin Press at www.originpress.com.

Editor's Note:

This article is extracted and edited from chapter three of *A Return to Healing: Radical Health Care Reform and the Future of Medicine*, by Len Saputo, MD, with Byron Belitsos (Origin Press, California, 2009). Due to space constraints, we are unable to publish the endnotes accompanying this chapter.

To view the complete chapter with endnotes, go to <http://www.areturtohealing.com/pressroom.html>. Copies of the book can be purchased via www.originpress.com/saputo/ and Amazon.com.



Special Briefing for President Barack Obama

Continued from page 62

About the Author:

Steven M. Greer, MD, is a medical doctor and director of The Disclosure Project and the Center for the Study of Extraterrestrial Intelligence, which he founded.

He has also been supervising a worldwide search for alternative energy sources, specifically those known as zero-point or over-unity devices, with the plan to identify and develop systems which will eliminate the need for fossil fuels.

NEXUS has published many contributions by Dr Greer, most recently "Understanding UFO Secrecy" (14/05). Extracts from his memoir, *Hidden Truth – Forbidden Knowledge*, were published in NEXUS 13/06, 14/01–02 and the book was reviewed in 13/06.

His new book, *Contact: Countdown to Transformation*, is reviewed in this edition.

For more information about Dr Greer and his work, visit the websites www.DisclosureProject.org and www.CSETI.org.

Editor's Note:

This Special Presidential Briefing is a summary that has been slightly edited for publication in NEXUS and does not include the attachments referred to in the document.

Dr Greer has sent a full Briefing paper, including detailed information on ET-related projects, code numbers, names, locations, etc., to President Obama and his senior military and intelligence team.

His update, prepared nine months after the President's inauguration, contains White House, Senate and Congress contact details for citizens' action; it is available at <http://www.DisclosureProject.org/E-mailUpdateOctober242009.htm>.

LEY LINES



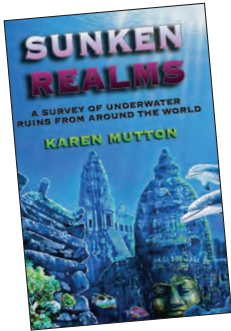
LEY LINES AND EARTH ENERGIES

by David Cowan
and Chris Arnold

The mysterious standing stones, burial grounds and stone circles that lace Europe, the British Isles and other areas have intrigued scientists, writers, artists and travelers through the centuries. They pose so many questions: Why do some places feel special? How do Ley lines work? How did our ancestors use Earth energy to map their sacred sites and burial grounds? How do ghosts and poltergeists interact with Earth energy? How can Earth spirals and black spots affect our health? This exploration shows how natural forces affect our behavior, how they can be used to enhance our health and well being, and ultimately, how they bring us closer to penetrating one of the deepest mysteries being explored.

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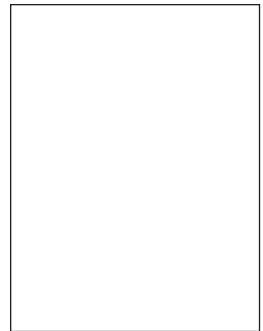


SUNKEN REALMS A survey of underwater ruins from around the world

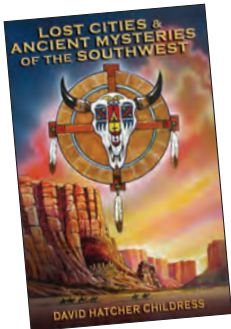
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The world's most extensive list of sunken cities and megalithic underwater sites. Places include: Tartessos; Cadiz; Morocco; Alexandria; The Bay of Naples; Libya; Phoenician and Egyptian sites; Roman era sites; Yarmuta, Lebanon; Cyprus; Malta; Thule & Hyperborea; Celtic Realms Lyonesse, Ys, and Hy Brasil; Carnac, Brittany; Isle of Wight; Canaries and Azores; Bahamas; Cuba; Bermuda; Mexico; Peru; Micronesia; California; Japan; Indian Ocean; Sri Lanka Land Bridge; India; Sumer; and inland lakes in Scotland, Russia, Iran, China, Lake Titicaca, Wisconsin, Florida and more.

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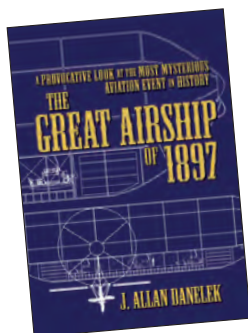
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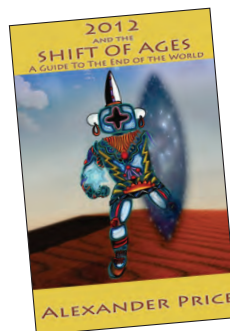


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A provocative look at the most mysterious aviation event in history
by J. Allan Danelek

In November of 1896 residents of California watched a mysterious bright light pass slowly over their cities on several occasions, sparking a media frenzy. A few months later, what appeared to be the same craft was seen in the skies over the sparsely populated prairie states of the Midwest making its way methodically eastward and appearing to literally hundreds—if not thousands—of witnesses. Then, as suddenly as the reports began, they abruptly ended, leaving a mystery that has never been satisfactorily explained by either science or historians to this day. Was it evidence of secret technological research, appearing a full decade before Von Zeppelin began building the first of his behemoths in Germany?

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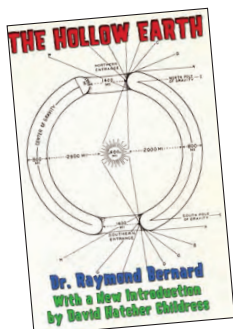


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A Guide to the End of the World
by Alexander Price

Many people in the ancient world saw human life as deeply connected with the great cycles of nature: the rising and setting of the sun, the changing of the seasons, the death and rebirth of vegetation. In the same way that other patterns in nature repeat at regular intervals, they believed that human history also goes through cycles in which significant events repeat, and are likely to happen again in the future at predictable times. A penetrating study into the history of astrology, ancient religion, secret societies and the evolution of consciousness, 2012 and the Shift of Ages: A Guide to the End of the World is sure to be an invaluable resource in navigating a time of difficult transitions.

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THE GIZA DEATH STAR



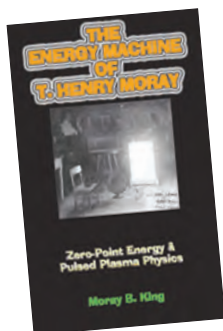
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by Moray B. King

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by Jim Keith

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