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NEXUS

NEW TIMES • Vol 6, N° 4

Project Censored:
the year's most ignored stories

Prisons for Profit:
a captive market

Edgar Cayce's cancer remedy

The Transistor:
technology from ETs?

Alien Abductions:
a military connection?

JUNE – JULY 1999

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NEXUS

NEW TIMES MAGAZINE

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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

I am currently being bombarded with letters, faxes, phone calls and e-mail, all telling (or asking) about the Nostradamus prediction for "the year 1999, in the seventh month". There is also a significant planetary formation on 11th August which is greatly exciting astrologers across the world, as the growing pile of unsolicited articles on this subject will testify. Then, of course, there's the ever-looming Y2K problem which is already triggering millions of people around the world into frenzied action.

While in the USA a couple of months ago, I learned from a Canadian businessman that survival food rations and diesel generators are in huge demand but small supply. Ironically, we stand to trigger major social upheaval just by hoarding food and energy sources in preparation for Y2K, let alone contemplating the thought of what a rush for cash will do.

Speaking of what's ahead, we are pleased to present in our Twilight Zone section some of the more juicy bits of futurist Gordon-Michael Scallion's interview on the popular Art Bell radio show in the US. Forget Nostradamus and Y2K, he says: we need to worry more about changes in solar activity. I tend to agree with him.

Also in this issue we have a must-read article on the prison industry. Now I know it largely uses US-sourced research, but I also know that privatisation of the prison industry is rampant in Australia, New Zealand, the United Kingdom and Canada, to name a few places.

On the AIDS front, if you still believe that HIV causes AIDS, then you need to read our article on the subject to see if that's still what you want to believe.

While I was attending the fabulous Global Sciences Congress in Florida in March this year, I had the good fortune to meet Jack Shulman, President of the American Computer Company. His talk was very interesting; so interesting that I organised a transcript to be printed in this issue. This is not just an article speculating on the possible alien origin of the transistor (and various other recent technological leaps). The mysterious Sky Station, an orbiting satellite/space-platform with ultra-high-tech weapons, is one of the many hidden gems in his captivating story.

This edition also sees our annual plug for Project Censored. Even though its voting members never seem to credit NEXUS for anything (mainly because of our UFO material, I guess), their list of the most suppressed and underreported stories of 1998 deserves as much attention as it can get.

A few months ago I received yet another article which I mentally put in the "someone's personal theory of life, the universe and everything" category. This particular submission, however, proposed concepts implying that matter consists of spinning particles of the same size but of differing spin velocities. It's great stuff; don't be put off by the scientific-looking diagrams. I selected the Aether item for Science News this issue because I considered the two items quite complementary.

The subject of alien/UFO abductions raises its strange head again this issue. This time, Dr Helmut Lammer is the investigator and he presents research that draws upon abductees' memories of human military presence. Does this imply some abductions are mind-control experiments? As always, you be the judge.

The last topic on my list for this editorial is that of the latest "rage" in conspiracy circles. It proposes that the Illuminati are actually shape-shifting reptilian aliens from another dimension, that feed off fear. I'm being bombarded by people desperate to know if there's any truth to notions that Sir Laurence Gardner, Zecharia Sitchin, England's Queen Mother and a host of others can be described in this manner, as is being alleged by one or two "ritual abuse" victims. I am utterly amazed at how seriously people are taking these sorts of allegations without bothering to check even the slightest detail. Having said all that, I guess now I will also be found guilty of being a reptilian alien shape-shifter, so watch out!!!

Meantime, may you find this issue an interesting read in these interesting times!

Duncan

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Letters to the Editor ...

NWO Mind Control Networks

Hi, Duncan: Regarding the current issue and your editing of the Mind Control article [6/02], this is a topic I heavily investigated about two years ago.

It became clear to me that there are vast mind-control/torture and Satanic networks that are also interrelated in many ways, and that they are really at the heart of what the New World Order is all about. I hope you will do many more articles here and not do any editing.

You may want to visit on Real Audio a talk I gave on this topic on Sightings with Jeff Rense. (See his archived shows, April 20, 1997. It is about one hour of the three-hour talk.) It is a broad, general introduction to the topic with numerous references such as books that people can turn to, to explore this topic.

Sincerely, Gurudas,
mrgurudas@earthlink.net

Nutrasweet's Side-Effects

I'm pretty much responding to an article you put on the Net about Nutrasweet. I was watching the news and they were saying this is a hoax, and they brought a doctor on to say that it was the safest food additive on the market.

This sent chills down my spine, because when Nutrasweet first came out, my mother, who has been on a lifelong diet, forced me to consume this "diet product" even though it was making me extremely sick. I was probably seven years old and experienced headaches, painful nausea, delusions; and over a few years I started blacking out when I chewed sugar-free bubblegum. I started refusing to drink Kool Aid and Cokes that were diet-like, three months after my first experience.

I can smell Nutrasweet before it hits my mouth, and even the smell gives me a headache. If I accidentally consume Nutrasweet, I get a horrible migraine and I'll black out; how much was consumed determines the severity and length of blackout. It's quite embarrassing when it happens in public, not to mention painful (I've hit the floor hard and in bad locations). No doctor I go to can explain it, and they dismiss the link to Nutrasweet almost immediately.

This is a very important issue

and it's about time it's addressed. I will never give Nutrasweet products to any child, and if I owned a restaurant I wouldn't have it available.

Preservatives and artificial ingredients are not meant to be put in the human body, particularly at the extreme amounts the average American does. If there is any question to the truth of this story of mine, feel free to e-mail. I'm not getting paid for this; my story is true.

Some facts in recent campaigns may not be fully researched; however, there is something extremely toxic in Nutrasweet and related products, because my symptoms are very real. Please don't blow this issue off: push for more studies and keep your mind open until they find out what makes me so sick. Thank you for reading this.

Mary Jane, maryjayne@
dialaccess.com

Problems with Animal Fats

Dear Editor: As a long-time follower of holistic health, I found the two-part series, "The Oiling of America" [6/02, 6/03], to be extremely enlightening. At the same time, there are troubling aspects to some of the arguments.

For one, the authors never seem to acknowledge any negative health effects from eating large amounts of saturated fats, or any animal products for that matter. Even Dr Andrew Weil, hardly a mainstream practitioner, writes in *Spontaneous Healing*: "Evidence for the health risks of saturated fat is overwhelming."

We don't know why groups like the Masai, who consume large amounts of these fats, supposedly have little heart disease. But I'm sure their food supply is nothing like that of the average Euro-American! Perhaps there are still yet unidentified factors.

As much as both conventional and holistic practitioners are discouraging people from (over)eating animal products, the authors are just as aggressively promoting the idea. No doubt, "once upon a time" it was not unhealthy to do so. (Contrary to what was implied, meat-centred meals were infrequent for turn-of-the-century people like my immigrant ancestors.) But those products were once grown locally, and not filled

with pesticides, hormones and filth. The authors ignored that problem altogether, as well as the many other pitfalls of an animal-foods-centred diet (milk allergies, for one.) As scientists, they surely must know about the tragic lives of both factory farm and wild animals, who suffer because of our cattle industry, as well as the vast environmental destruction. I won't elaborate on subjects so well documented elsewhere.

It's a shame Enig and Fallon can't deal with these issues without the silly right-wing label of "political correctness". If health or environmental concerns are beyond them, then they are no better than any of the other scientists who are part of the corporate machinery.

Sincerely yours, Mary Angeline,
Pittsburgh, Pennsylvania, USA,
aa651@hotmail.com

Gene-Modified Food Fears

Dear Duncan: It is interesting to note the current topical issue of Genetically Modified Food (GMF) rearing its head down here in New Zealand.

Perhaps not such an issue in the US or Europe, but in the South Pacific, where there is a clean, green, untouched image and perception, GMF is thought by some people to be a somewhat abhorrent attempt to interfere with nature.

I would have thought that the perfect mechanism for food crop generation over millennia was one called "natural selection". As soon as scientists start tinkering with the laws of nature, such food crop products become tainted and flawed with the implementation of applied scientific knowledge—flawed to the degree that GMF is reasonably new and there is no guarantee that the results are safe. Also, at this point in time, we can be assured that the scientific community involved in these modifications cannot know everything or predict how these things will impact on mankind in the future.

They will tell you otherwise, but I am sure that I, like many other NEXUS readers, already know that ego and peer pressure go hand in hand with many parts of the scientific community.

I was also disturbed to hear that the US Ambassador to New Zealand, Josiah Beeman, made remarks in the media, saying that

those New Zealand companies who branded their products as non-GMF would not be looked upon favourably in marketing their product to the US. Now, I tell you, is this a future worth looking forward to?

Sincerely, George Thatcher,
Auckland, New Zealand,
monty@ak.planet.gen.nz

Making Sense of WingMakers

Dear Editor: I was thrilled and enraged by the WingMakers article in your magazine [6/03]. Just when you think you finally have a decent grasp of conspiracy theories, Earth transformations and spiritual awakenings, along comes a piece of information that forces you to rethink your whole mindmap of who's who in shadow governments and global secrets.

This was a usual experience when I first started researching these different topics, but gradually, after sifting through the contradictions, I pulled together a coherent plan of what was going on behind the "seams" which, believe it or not, lets me sleep a little easier at night. That plan lasted for several years, right up until the last issue of NEXUS, and now, once again, began the niggling questions at two in the morning.

I am annoyed because I have come to realise the constant dilemma of researching topics that cannot be proved and stories that cannot be confirmed. The cliché of "believe what feels right" starts to irritate when that which you believe contradicts the previous.

I start to wonder why I am doing this to myself, and curse the day I ever strayed from the safe path of the mainstream and good nights of sleep. Of course, we know it is good that belief structures be moved and adapted to new information and that therein lies the seeds of truth, etc., etc. Maybe I just needed to write this to vent my frustration.

I now fully understand the appeal of dogma; nothing like thinking you know exactly what's what. Long live a bit of dogma.

PS: I have suspended judgement on the WingMakers article for the moment (if such a thing be possible), but, if the web page is a hoax, congratulations are in order to whomever for a job well done.

Barry McDonagh,
barsmcdonagh@hotmail.com

... more Letters to the Editor

NB: Please keep letters to approx. 100-150 words in length. Ed.

Existence of the Aether

Dear Sir: Towards the end of last century the Michelson-Morley experiment was performed to detect the aether wind which sweeps around the Earth. The lack of a result was explained in two ways.

Einstein declared that the aether does not exist, wiping it out with the stroke of a pen.

Miller saw that the fact the experiment was performed in a basement meant that it was shielded by the Earth. He performed a similar experiment on top of Mt Wilson and detected an aether wind with his unshielded apparatus. He published the results in 1926.

Michelson and others then tried to duplicate the result, but for some strange reason all used shielded apparatus, much to Miller's despair. Why they did this is not known, but as a result Einstein's theory gained credence.

Thus Einstein is guilty of robbing us of the spirit, thus causing the malaise of this century. For it is in the aether that we find the realm of the spirit, finer than gross matter.

Yours sincerely, John Caldwell,
Chewton, Victoria, Australia

Chemtrails over Australia

Dear Duncan: Concerning the "Chemtrails" article in the latest NEXUS [6/03], here is a clipping I cut out from the *Daily Telegraph* in August last year. Occasionally I find an article in the "Tellie", confirming one of your previous stories which seem far-fetched at the time they appear in NEXUS but one or two years later get proved to be true! So, NEXUS is a truly visionary magazine.

What I think would be interesting would be if your magazine could follow up on the effects those "spiderwebs" had on Doreen Mozelic and others.

I have noticed those thick, purplish-brown contrails in this sky quite frequently, mainly last year, and was amazed at how long they remained. People, including myself, have been having "flu-like" symptoms for about six months now, so I wonder if this is really the flu.

With best regards, Mathissa Sommerfeld, Blackheath, NSW, Australia

'Alternative 3'—The Backlash

Angry protests about my "irresponsible scare-mongering" started torrenting in after the publication of my book, *Alternative 3*. So did an even greater number of messages praising me for exposing a nightmare conspiracy involving the governments of America and Britain.

Both reactions astonished me. I'd written a work of fiction, yet vast numbers of readers were insistent it was fact. "Insistent" is the right word. I was denounced as a coward and a liar when I explained that I'd dreamed up the controversial scenario. Many readers were terrified—now convinced, for instance, that missing friends had been snatched to be zombie slaves on Mars—and their responses mirrored those of a man who phoned me from Manchester, England: "When you wrote A3, you told the truth, but now you're terrified to admit that truth—because you've been warned off by the CIA."

A3's basic premise is that our planet is doomed and America and Russia, having secretly co-operated for decades, have colonised Mars with selected superior humans. That, I thought, was too way-out for anyone to believe. I was totally wrong.

Respected American researcher Mae Brussell told her weekly radio audience she'd "had the shakes for about a week" after reading A3 which she described as "the most important book I've ever read in many, many years". Renowned investigator Jim Keith suggested in his follow-up book, *Casebook on Alternative 3*, that I might have written it on behalf of the government (presumably of the USA) as "'grey' disinformation, calculated to confuse and defuse the issue of elitist control, mind control, genocide and secret space programs, by revealing yet concealing these truths".

Could Keith be partly right? Was I, unwittingly, helping to blur the truth about some mind-boggling conspiracy? That, I now feel, is a distinct possibility. The deluge of seemingly confirmatory evidence from intelligent people convinced me I had accidentally trespassed into a range of top-secret truths. I planned to use this material in a book called *Backlash to Alternative 3*. However, a chest

containing that material was mysteriously lost in transit some 14 years ago when I moved from London to join *Reader's Digest* as a senior editor in Sydney, before moving on to New Zealand.

Backlash needs to be written. Any readers with such confirmatory information—maybe including ones who initially contacted me—might care to get in touch, with a view to it being incorporated with appropriate acknowledgments in the new book. My address is PO Box 201, Orewa, Hibiscus Coast, New Zealand 1461.

Leslie Watkins, New Zealand

Tarabich's Visions Realised?

Dear Duncan: Predictions by the 19th-century Serbian peasant prophet Mitar Tarabich [NEXUS 3/03, April–May 1996] seem to be panning out. Mitar predicted that after "the man with the blue eyes" (Tito) and a "commission" government, the following would occur:

"On our borders and over them, a new nation [NATO?] will appear...they will be good and honest, and they will answer our hatred with reason...and we shall baptise them with some new fate of ours [ethnic cleansing?], but all that will be in vain—because they will believe only in themselves and in nobody else. Big trouble will become of it, because this nation [Yugoslavia] will be brave."

"Many summers this trouble will last, and nobody will be able to stop it because that nation [NATO?] will grow like grass [invade?]. One who will be born... will be honest and intelligent; he will deal with them in peace."

"We shall live in peace—they there, us here and there."

He also indicated Russia will not directly enter the crisis: "[After Tito] we would again be friends with the Russians, but never sincerely, only formally, pretending for the sake of others not to understand how we cheat and lie to each other." Phew!

Avid reader Jon Wyatt, Carlton, Victoria, Australia

Call for Monetary Reform

Dear Duncan: Thanks for printing articles from the Money Masters re the monopoly control of our money supply [6/01, 6/02]. If you really want a good conspiracy theory this is it, because

unfortunately it's all true. There's no need for blurry photos of UFOs here, it's all quite obvious; but like a good conspiracy theory it's cleverly hidden by ignorance—ours—and deliberate lies—theirs.

None of this is news to Social Creditors in New Zealand. However, if you mention Social Credit, you are immediately met with derisive cries of "Funny Money!" and people start making cranking motions. This is meant to imitate a printing press which Social Creditors would use to print off millions of dollars of this "funny money".

Little wonder banks have managed to maintain their monopoly on credit. Peculiar still, these same people who cry down Social Credit would be the very ones who would benefit from a prosperous country.

Social Credit realised that the only way to achieve monetary reform was through parliamentary legislation. But as a political party we only managed to get four people into Parliament at various times, and have now cleverly shot ourselves in the foot and are now represented as the Alliance Party.

But why is it so difficult to get the message of money reform across? It's simple. If private banks can create credit and lend it out, then surely a government can use its own bank to create credit and use this form of money to build capital works or finance the running of the country's economy.

Unfortunately there is no space in this letter to counter the outraged denials of how this wouldn't work. You would think that the voters would get the gist of it all, especially as they could do with reduced taxes or a plentiful supply of work—the dumb bastards.

Okay, so I'm a little jaundiced by the great voting public; for them, I even became an urban guerrilla. With twelve others we locked ourselves up in Parliament to protest the unfair voting system (we now have MMP and we copped a NZ\$250 fine each for our bit of naughtiness)...

So, thanks for making them out there think about our crooked financial system...and one day demand the return of the ownership of the money supply to the people.

Yours faithfully, Michael Wood, Auckland, New Zealand

NEWS IS DUMB AND MAKING US DUMBER

News makes us dumb by dissecting reality, leaving the public with no idea of what to make of our times, says a University of Florida history professor and author of a new book.

Other writers have criticised media bias, incompetence and irresponsibility; but in this book, *How the News Makes Us Dumb: The Death of Wisdom in an Information Society*, C. John Sommerville takes a different tack, targetting the essential feature of news: its timeliness, which has degraded into a daily and often hourly barrage of disassociated facts.

"The news began making us dumber when we insisted on having it daily," Sommerville says. "Now we've lost our ability to discern truly significant news."

"Because newspapers and news broadcasts treat each day and its events as being equally important in giving us daily installments, the reading, viewing and listening public fail to develop a sense of perspective about the bigger issues."

"The world hasn't always had a news industry," he says. "The news used to come irregularly when something happened that was really important or interesting. The only reason for making the news daily is to create an information industry. If publishers waited for something to hap-



pen, they might be idle for weeks and their capital assets would get rusty. So they have convinced us that every day is worthy of the same attention."

Paradoxically, the media are not the villains in these developments, he emphasises.

"Ultimately, it is the consumers of news who are to blame," says Sommerville. "We have acquired an addiction, and newspapers are just supplying the market." (Source: By Cathy Keen, April 1999 press release from the University of Florida, USA, website, <www.ufl.edu>; see also <www.sciencedaily.com>)

STUDY QUESTIONS NEW PROZAC-LIKE DRUGS FOR CHILDREN

Researchers recently questioned the widespread use of Prozac-like drugs to treat mild or moderate mental illness in children, despite lack of scientific evidence about their safety or effectiveness.

In the USA alone, more than 500,000 prescriptions a year are written for the newest class of anti-depressant drugs—serotonin-selective re-uptake inhibitors, or SSRIs—without scientific evidence of the drugs' safety and effectiveness in children, University of North Carolina at Chapel Hill researcher Jerry Rushton said.

"Our survey data suggest that despite a lack of research support, adequate training and comfort with the management of depression, SSRIs are gaining physician acceptance and becoming incorporated into primary care practice," Rushton said in a statement released by the university.

Rushton, who presented results of a survey of physicians' prescription practices to a paediatric medical conference in San Francisco, said SSRIs now account for 69 per cent of prescriptions written to treat childhood depression.

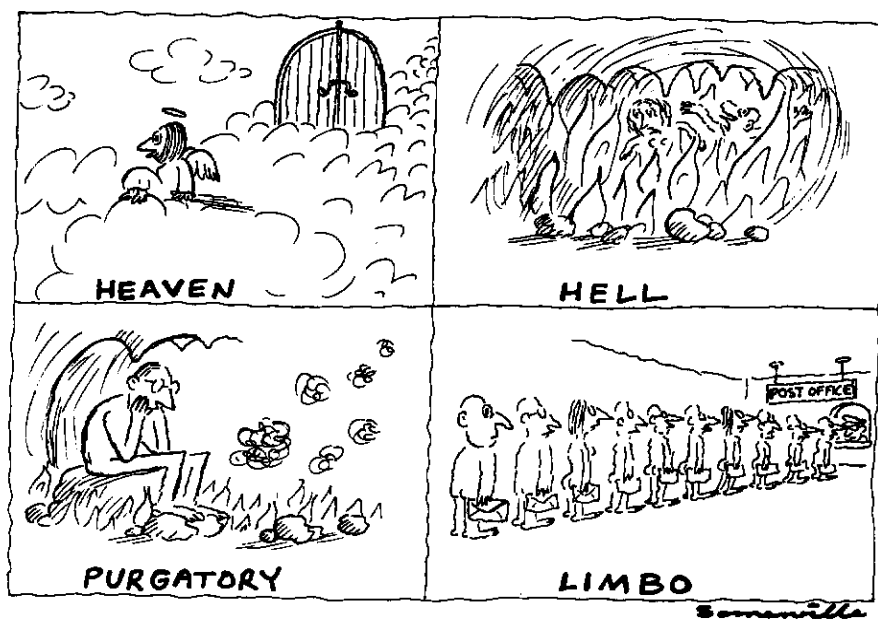
He said Prozac, the most commonly prescribed SSRI for children, may be following Ritalin as the drug of choice in the controversial treatment of attention deficit hyperactivity disorder.

Approved by the Food and Drug Administration for patients over 18 years of age, SSRIs also are being prescribed for children to treat obsessive-compulsive disorder, aggression-conduct disorder and even bed-wetting, he said.

Rushton warned that the effects of "psychoactive" drugs like SSRIs on developing central nervous systems are still unknown, and the drugs have been documented to cause sleep disturbances and behavioural changes in children.

"I think these medications are starting to show promise," he said. "However, they should be used with caution and monitored closely, not used haphazardly for transient symptoms; not for school problems or nebulous behavioural problems."

(Source: Press release, University of North Carolina, Chapel Hill, NC, via Reuters, 2 May 1999)



... GLOBAL NEWS ...

PESTICIDES & HERBICIDES ARE POISONING EUROPE

Rainwater is not what it used to be. A new study reveals that much of the precipitation in Europe contains such high levels of dissolved pesticides, that it would be illegal to supply it as drinking water.

Studies in Switzerland have found that rain is laced with toxic levels of atrazine, alachlor and other commonly used crop sprays.

"Drinking water standards are regularly exceeded in rain," says Stephan Müller, a chemist at the Swiss Federal Institute for Environmental Science and Technology in Dübendorf.

The chemicals appear to have evaporated from fields and become part of the clouds.

Both the European Union and Switzerland have set a limit of 100 nanograms for any particular pesticide in a litre of drinking water. But, especially in the first minutes of a heavy storm, rain can contain much more than that.

In a study to be published by Müller and his colleague Thomas Bucheli in *Analytical Chemistry* this summer, one sample of rainwater contained almost 4,000 nanograms per litre of 2,4-dinitrophenol, a widely used pesticide.

Previously, the authors had shown that in rain samples taken from 41 storms, nine contained more than 100 nanograms of atrazine per litre, one of them around 900 nanograms.

In the latest study, the highest concentrations of pesticides turned up in the first rain after a long dry-spell, particularly when local fields had recently been sprayed. Until now, scientists had assumed that the pesticides only infiltrated groundwater directly from fields.

Müller warns that the growing practice of using rainwater that falls onto roofs to recharge underground water may be adding to the danger. This water often contains dissolved herbicides that have been added to roofing materials, such as bitumen sheets, to prevent vegetation growing.

He suggests that the first flush of rains should be diverted into sewers to minimise the pollution of drinking water which is not usually treated to remove these herbicides and pesticides.

Meanwhile, Swedish researchers have linked pesticides to one of the most rapidly increasing cancers in the Western world.

Non-Hodgkin's lymphoma, which has risen by 73 per cent in the US since 1973, is probably caused by several commonly used crop sprays, say the scientists.

Lennart Hardell of Orebro Medical Centre and Mikael Eriksson of Lund University Hospital found Swedish sufferers of the disease were 2.7 times more likely to have been exposed to MCPA, a widely used weedkiller, than healthy people (*Cancer* 85:1353). (MCPA, which is used on grain crops, is sold as Target by the Swiss firm Novartis.) In addition, patients were 3.7 times more likely to have been exposed to a range of fungicides—an association not previously reported.

The patients were also 2.3 times more likely to have had contact with glyphosate, the most commonly used herbicide in Sweden. Use of this chemical, sold as Round-Up by the US firm Monsanto, is expected to rocket with the introduction of crops such as Roundup-Ready soya beans that are genetically modified to resist glyphosate.

The researchers suggest that the chemicals have suppressed the patients' immunity, allowing viruses such as Epstein-Barr to trigger cancer.

(Source: By Fred Pearce and Debora Mackenzie, *New Scientist*, 31 March 1999, <www.newscientist.com>)

LINK BETWEEN SOLAR CYCLE AND EARTH'S CLIMATE

Variations in the energy given off by the Sun affect the Earth's wind patterns and thus the climate of the planet, according to results of a new study published in *Science* (9 April 1999). For decades, scientists have tried to understand the link between winds and temperature and the Sun and its cycles. There were tell-tale signs of a connection. For instance, the "little ice age"

recorded in Europe between 1550 and 1700 happened during a time of very low solar activity.

According to Drew Shindell, a climate researcher from NASA's Goddard Institute for Space Studies in New York City and lead author of the new study, a key piece of the puzzle was missing. Previous studies neglected to take into account the effects of increased solar activity on the ozone layer or the complex chemistry of the upper atmosphere where most of the high-energy radiation, including ultra-violet radiation (the kind responsible for creating the ozone layer) gets absorbed.

"When we added the upper atmosphere's chemistry into our climate model, we found that during a solar maximum, major climate changes occur in North America."

The changes, according to Shindell, are caused by stronger westerly winds. Changes also occur in wind speeds and directions all over the Earth's surface.

"Solar variability changes the distribution of energy," said Shindell. "Over an 11-year solar cycle, the total amount of energy has not changed very much. But where the energy goes changes as wind speeds and directions change."

(Source: News release, NASA/Goddard Spaceflight Center, <www.gsfc.nasa.gov>, <www.sciencedaily.com>, 12 April 1999)



... GLOBAL NEWS ...

AUSTRALIA'S HIGH COURT DISMISSES CHALLENGES TO INCOME-TAX LAW

The High Court has categorically put paid to claims by "fringe" political groups that a raft of Australian law, including the Income Tax Assessment Act, is unconstitutional.

The Court dismissed five cases seeking to argue that the Federal Government's income-tax law was invalid. The cases claimed that all laws passed since Australia signed the Treaty of Versailles after the end of World War I were passed illegally. They also claimed that amendments to the title of "Queen of Australia" meant that no laws have been validly passed since 1973.

In all five cases before the High Court, it was argued that there has been an unremedied, perhaps even irremediable, "break in sovereignty" in Australia—that leads to the conclusion that some (perhaps much) legislation passed by the Parliament of the Commonwealth, or one or more State Parliaments, is apparently invalid.

In dismissing the cases, the High Court said: "The written arguments that have been submitted (and supplemented orally) are not always articulated clearly and logically."

"None of the applicants identifies a point having sufficient merit to warrant removal of the cause concerned into this Court. The points that it sought to agitate are not arguable."

(Source: The Taxation Examiner, March-April 1999, p. 3.)

THE KOSOVO MINES: A REASON FOR INVASION?

[Given the events of the last few months, and enormous reader interest in possible 'hidden motives' relating to the crisis in the Balkans, we feel this item published last year could go some way towards explaining things. Ed.]

Wars are, at root, about economics, and the rapidly expanding war in Kosovo appears no different. Why have millions of dollars in high-tech weapons suddenly become available to the so-called Kosovo Liberation Army by way of the US and Germany?

A report by *New York Times* Balkans bureau chief Chris Hedges (11 July 1998) describes the KLA's new arsenal: the latest anti-tank rocket-propelled grenades and anti-aircraft weapons. These weapons are shifting the balance of power toward the KLA, which is funded fully by outside sources, mostly from the US and Germany. In fact, the KLA is primarily a mercenary army funded by the kind of shadowy sources that have long been associated with US and German intelligence services.

On 8 July the *New York Times* carried an article by Chris Hedges on the real wealth of Kosovo: the Stari Trg mining complex.

Hedges' visit to the Stari Trg mining complex is an eye-opener. "The sprawling state-owned Trepca mining complex, the most valuable piece of real estate in the Balkans, is worth at least US\$5 billion," writes Hedges.

According to the mine's director, Novak Bjelic, "The war in Kosovo is about the mines, nothing else. This is Serbia's Kuwait—the heart of Kosovo... In addition to all this, Kosovo has 17 billion tons of coal reserves."

Hedges

describes the mining complex: "The Stari Trg mine, with its warehouses, is ringed with smelting plants, 17 metal treatment sites, freight yards, railroad lines, a power plant and the country's largest battery plant."

Lignite deposits in the Kosovo mines are, according to experts, sufficient for the next 13 centuries. The capacity of the lead and zinc refineries ranks third in the world.

Although the average person watching the news in the evening has never heard of Stari Trg, it has been a prize changing hands for two thousand years.

The most important words in Hedges' article are the description of the complex as "state-owned".

Throughout this decade, socialist Yugoslavia has attempted to resist privatisation of its industry and natural resources. As a result, this huge complex of mines, refining, power and transportation in Kosovo may well be the largest uncontested piece of wealth not yet in the hands of the big capitalists of the US or Europe.

The industry, natural resources and transportation of all the former Soviet republics, the socialist countries of Eastern Europe and the secessionist republics of Yugoslavia are now being rapidly privatised. The major Western corporations are gobbling up these industries.

While the fate of some industries is still in negotiation, the lending and credit conditions of the International Monetary Fund and the World Bank require the break-up of all state-owned industries. This is true for the oil and natural gas wealth in the Caucasus and the Caspian Sea, as well as for the diamond mines of Siberia.

The decision on who will own or have controlling interest in the 22 mines and the many processing plants of the Trepca complex will be made by whoever wins the armed struggle raging in Kosovo. NATO domination on the ground would put US corporations in the best ownership position. Nationalist strife advances their position.

Although being forced to privatise in order to survive in today's global market, Yugoslavia has tried to control the process and to propose Balkan regional development.

(Source: Written by Sara Flounders, reprint - ed from *Workers World* newspaper, 30 July 1998; 55 W. 17 St, New York, NY 10011, USA, e-mail <www@workers.org>, website <<http://www.workers.org>>)



EXPOSURE TO PESTICIDES LINKED TO HYPERACTIVITY

For the past 25 years, tens of millions of people in hundreds of cities and towns have been drinking tap water that is contaminated with low levels of insecticides, weed-killers and artificial fertilisers. They not only drink it, they also bathe and shower in it, thus inhaling small quantities of farm chemicals and absorbing them through the skin. Naturally, the problem is at its worst in agricultural areas.

The most common contaminants are carbamate insecticides (aldicarb and others), the triazine herbicides (atrazine and others) and nitrate nitrogen. For years, government scientists have tested each of these chemicals individually at low levels in laboratory animals—searching mainly for signs of cancer—and have declared each of them an "acceptable risk" at the levels typically found in groundwater.

Now a group of biologists and medical researchers at the University of Wisconsin in Madison, led by Warren P. Porter, has completed a five-year experiment putting mixtures of low levels of these chemicals into the drinking water of male mice and carefully measuring the results. They reported recently that combinations of these chemicals—at levels similar to those found in the groundwater of agricultural areas of the United States—have measurable detrimental effects on the nervous, immune and endocrine (hormone) systems (*Toxicology and Industrial Health*, vol. 15, nos 1&2, 1999). Furthermore, they say their research has direct implications for humans.

Dr Porter and his colleagues point out that the nervous system, the immune system and the endocrine (hormone) system are all closely related and in constant communication with each other. If any one of the three systems is damaged or degraded, the other two may be adversely affected. The Wisconsin researchers therefore designed their experiments to examine the effects of agricultural chemicals on each of the three systems simultaneously.

To assess immune system function, they measured the ability of mice to make antibodies in response to foreign proteins. To assess endocrine system function, they measured thyroid hormone levels in the blood. And to assess nervous system function they measured aggressive behaviour in the presence of intruder mice introduced into the cages. They also looked for effects on growth by measuring total body weight and the weight of each animal's spleen.

The experiments were replicated many

times to make sure the results were reproducible. They found effects on the endocrine system (thyroid hormone levels) and immune system, and reduced body weight from mixtures of low levels of aldicarb and nitrate, atrazine and nitrate, and atrazine, aldicarb and nitrate together. They observed increased aggression from exposure to atrazine and nitrate, and from atrazine, aldicarb and nitrate together.

The Wisconsin research team wrote: "Of particular significance in the collective work of Boyd and others, Porter and others, and our current study is that *thyroid hormone concentration change* was consistently a response due to mixtures, but *not* usually to individual chemicals." In the five-year experiment, thyroid hormone levels rose or fell depending upon the mixture of farm chemicals put into the drinking water.

Dr Porter and his colleagues present evidence from other studies, showing that numerous farm chemicals can affect the thyroid hormone levels of wildlife and humans. PCBs and dioxins can have similar effects, they note. Proper levels of thyroid hormone are essential for brain development of humans prior to birth. Some, though not all, studies have shown that attention deficit and/or hyperactivity disorders in children are linked to changes in the levels of thyroid hormone in the blood. Children with multiple chemical sensitivity (MCS) have abnormal thyroid levels. Furthermore, irritability and aggressive behaviour are linked to thyroid hormone levels.

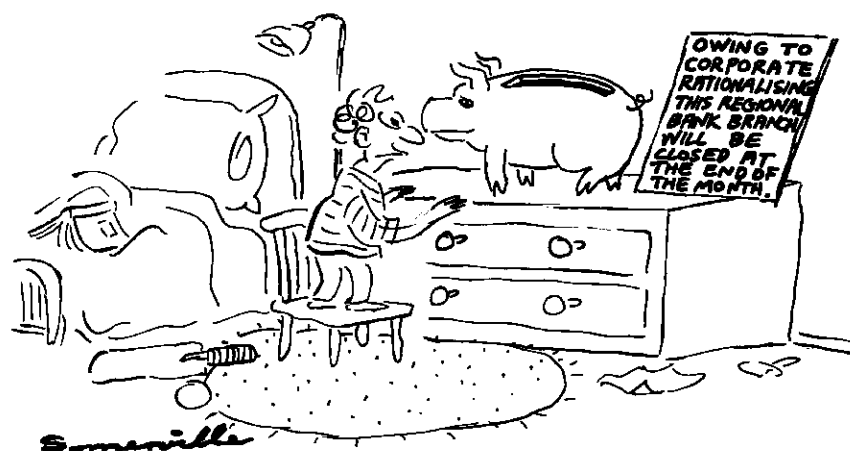
A recent study of four- and five-year-old children in Mexico specifically noted a decrease in mental ability and an increase in aggressive behaviour among children exposed to pesticides (*Environmental*

Health Perspectives 106(6):347-353, June 1998). Elizabeth A. Guillette and colleagues studied two groups of Yaqui Indian children living in the Yaqui Valley in northern Sonora, Mexico. One group of children lives in the lowlands dominated by pesticide-intensive agriculture (45 or more sprayings each year), and the other group lives in the nearby upland foothills where their parents make a living by ranching without the use of pesticides. The pesticide-exposed children had far less physical endurance in a test to see how long they could keep jumping up and down; they had inferior hand-eye coordination; and they could not draw a simple stick figure of a human being, which the upland children could readily do.

Notably, in the Guillette study we find this description of the behaviour of pesticide-exposed children: "Some valley children were observed hitting their siblings when they passed by, and they became easily upset or angry with a minor corrective comment by a parent. These aggressive behaviors were not noted in the [pesticide-free upland] foothills [children]."

This is a time when Americans are searching for the causes of violence in their society. No one seems to be asking whether pesticides, fertilisers and toxic metals are affecting our young people's mental capacity, emotional balance and social adjustment. From the work of Warren Porter, Elizabeth Guillette and others, it is apparent these are valid questions.

(Source: By Peter Montague, Rachel's Environment & Health Weekly, no. 648, 29 April 1999, Environmental Research Foundation, USA, tel (410) 263 1584, fax (410) 263-8944, e-mail <erf@rachel.org>, website <www.monitor.net/rachel/>)



PROJECT CENSORED

NEWS THAT DIDN'T MAKE THE NEWS

The Project Censored voting panel has released its list of the 25 most significant stories that should have hit the headlines in a major way last year, but didn't.

Compiled by
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No. 1: SECRET INTERNATIONAL TRADE AGREEMENT UNDERMINES THE SOVEREIGNTY OF NATIONS

Some developments in the course of history have such potential to impact nations and humans that it would be irresponsible to ignore them. Yet few mainstream news organisations have reported on the Multilateral Agreement on Investment (MAI), which would set in place a vast series of protections for foreign investment. According to reports in the alternative press, the MAI would threaten national sovereignty by giving corporations near-equal rights to nations.

The MAI would thrust the world economy much closer to a system where international corporate capital would hold free rein over the democratic values and socio-economic needs of people. The MAI would also have devastating effects on a nation's legal, environmental and cultural sovereignty. It would force countries to relax or nullify human, environmental and labour protection to attract investment and trade. Necessary measures such as food subsidies, control of land speculation, agrarian reform and health and environmental standards can be challenged as "illegal" under the MAI. This same illegality is extended to community control of forests, local bans on use of pesticides, clean air standards, limits on mineral, gas and oil extraction, and bans on toxic dumping. (See "MAIgalomania!", NEXUS 5/03, 5/04, April-May and June-July 1998.)

No. 2: CHEMICAL CORPORATIONS PROFIT FROM BREAST CANCER

In one of the more cynical examples of corporate profit-making ingenuity, leaders in cancer treatment and information are the same chemical companies that also produce carcinogenic products.

Breast Cancer Awareness Month, initiated in 1985 by the chemical conglomerate Imperial Chemical Industries (currently called Zeneca Pharmaceuticals), reveals an uncomfortably close connection between the chemical industry and the cancer research establishment. As the controlling sponsor of Breast Cancer Awareness Month (BCAM), Zeneca is able to approve—or veto—any promotional or informational materials, posters, advertisements, etc. that BCAM uses. The focus is strictly limited to information regarding early detection and treatment, with an avoidance of the topic of prevention. Critics have begun to question why. With revenues of US\$14 billion, Zeneca is among the world's largest manufacturers of pesticides, plastics and pharmaceuticals.

Zeneca was instrumental in convincing the FDA to approve tamoxifen as a "prevention" measure to reduce the incidence of breast cancer in healthy women at risk. However, the World Health Organization's International Agency for Research on Cancer considers tamoxifen a "probable human carcinogen".

(See "Tamoxifen: A Major Medical Mistake?", NEXUS 5/04, June-July 1998.)

No. 3: MONSANTO CONSOLIDATES ITS GENETICALLY MODIFIED SEEDS

Over the 12,000 years that humans have been farming, a rich tradition of seed-saving has developed. Men and women choose seeds from the plants that are best adapted to their own locale and trade them within the community, enhancing crop diversity and success rates. All this may change in the next four to five years.

Monsanto Corporation has been working to consolidate the world seed market, and is now poised to introduce new genetically engineered seeds that will produce only infertile seeds at the end of the farming cycle. Farmers will no longer be able to save seeds from year to year, and will be forced to purchase new seeds from Monsanto each year.

For the first time in history, research is being done for the benefit of corporations, sometimes in direct opposition to farmers' interests. It is noteworthy that the USDA stands to earn five per cent royalties of net sales if this technology is commercialised. Historically the USDA has received government money for research aimed at benefiting farmers, but recently the USDA has been turning more often to private companies for funding.

Terminator plants, if introduced on a wide scale, will effectively constrict worldwide crop diversity by preventing farmers from engaging in the seed selection and cross breeding practices that for thousands of years have given them the ability to adapt crops to local conditions.

(See "Terminator Technology", NEXUS 6/01, Dec-Jan 1998-99; Global News, NEXUS 5/04, June-July 1998.)

No. 4: RADIOACTIVE METALS IN YOUR HOME

Under special government permits, "decontaminated" radioactive metal is being sold to manufacture everything from knives, forks and belt buckles to zippers, eyeglasses, dental fillings and IUDs. The Department of Energy (DOE), the Nuclear Regulatory Commission (NRC) and the radioactive metal processing industry are pushing for new regulations that would relax current standards and dispense with the need for special radioactive recycling licensing. By one estimate, the DOE disposed of 7,500 tons of these troublesome metals in 1996 alone. The new standards being sought would allow companies to recycle millions of tons of low-level radioactive metal a year, while raising the acceptable levels of millirems (the unit of measure that estimates the damage radiation does to human tissue). By the NRC's own estimate, the proposed standards could cause 100,000 cancer fatalities in the United States alone.

While the DOE waits for new standards to be released, "hot metal" is being marketed to other countries. Three major US oil companies, Texaco, Mobil and Phillips, shipped 5.5 million pounds of radioactive scrap metal to China in 1993. In June 1996, Chinese officials stopped a US shipment of 78 tons of radioactive scrap metal that exceeded China's safety limit, some by as much as thirtyfold. As of January 1998, 178 buildings in Taiwan containing 1,573 residential apartments had been identified as radioactive. Radioactive recycled metal has shown up in domestic markets as well.

(See Global News, NEXUS 5/03, April-May 1998.)



No. 5: US BIO-WEAPONS & UN SANCTIONS LINKED TO DEATHS OF HALF A MILLION IRAQI CHILDREN

For the past seven years, the United States has supported sanctions against Iraq that have taken the lives of more Iraqi citizens than did the Gulf War itself. The Iraqi people are being punished for their leader's reticence to comply fully with US-supported UN demands "to search every structure in Iraq for weapons of mass destruction". Ironically, 1994 US Senate findings uncovered evidence that US firms supplied at least some of the very biological material that the UN inspection teams are now seeking.

Although the United States defames the Iraqi Government for damaging the environment and ignoring UN Security Council resolutions, it has itself engaged in covert wars in defiance of the World Court, and left behind a swath of ecological disasters in its continuing geopolitical crusade.

The US demands are both excessive and hypocritical, says journalist Bill Blum ("Punishing Saddam or the Iraqis", *I.F.* magazine, March/April 1998). A 1994 US Senate panel report indicated that between 1985 and 1989, US firms supplied micro-organisms needed for the production of Iraq's chemical and biological warfare program. The Senate panel wrote: "It was later learned that these micro-organisms exported by the United States were identical to those the United Nations inspectors found and removed from the Iraqi biological warfare program." Shipments included biological agents such as *E. coli* and those that cause anthrax and botulism. The shipments were cleared, even though it was known at the time that Iraq had already been using chemical and possibly biological weapons since the early 1980s.

The real significance of "Made in America" is not only that the US and its allies played a significant role in arming Iraq with weapons of mass destruction, but that those companies and politicians who were responsible for this lucrative but deadly policy were never held accountable.

(See Global News, NEXUS 5/03; "Gulf War Syndrome: Biological Black Magic", NEXUS 4/05, August-September 1997.)

No. 6: US NUCLEAR PROGRAM SUBVERTS UNITED NATIONS COMPREHENSIVE TEST BAN TREATY

When scientists in India conducted a deep underground nuclear test on 11 May 1998, it was seen as a violation of the United Nations Comprehensive Test Ban Treaty (CTBT), even though that country did not sign the document.

But two months earlier, an underground test carried out by the United States went largely unnoticed by the American media. Code-named *Stagecoach*, the US experiment called for the detonation of a 227-pound nuclear bomb at the Department of Energy's Nevada Test Site which is co-managed by corporate superpowers Bechtel, Lockheed Martin and Johnson Controls. While perceived as a hostile act by many nations, US officials claim that since it was a "subcritical" test—meaning that no nuclear chain reaction was maintained—it was "fully consistent with the spirit and letter of the CTBT".

Some foreign leaders believe that *Stagecoach* was designed to test the effectiveness of US weapons in case they were ever needed again. The European Parliament issued an official warning to the US, declaring that further experiments

might prompt other nations to engage in full-scale testing. Some Chinese and Japanese officials also criticised the US, calling for America to stop "skirting its responsibility for arms reduction".

Underground experiments aren't the US Government's only method of subverting the Treaty, says *The Nation* (15 June 1998). In July 1993, Clinton introduced the Stockpile Stewardship Program (SSP) which is allotting US\$45 billion over the next 10 years to finance new research facilities. While the CTBT prohibits the "qualitative improvement of nuclear weapons", this program will fund the building of nuclear accelerators, giant X-ray machines and the largest glass laser in the world.

In defending the experiment to the Press, Russian officials pointed to the US test as proof that subcritical tests of nuclear weapons are permissible under the CTBT.

There are no signs that either country will change its policy on subcritical nuclear testing. Nor does the DOE appear ready to end other activities in the Stockpile Stewardship Program that violate the principles and goals of the CTBT.

No. 7: GENE TECHNOLOGY LINK TO NEW DISEASES

All the signs are pointing toward a major crisis in public health as both emergent and recurring diseases reach new heights of antibiotic resistance. At least 30 new diseases have emerged over the past 20 years, and familiar infectious diseases such as tuberculosis, cholera and malaria are returning with vigour. By 1990, nearly every common bacterial species had developed some degree of resistance to drug treatment, many to multiple antibiotics.

A major contributing factor, in addition to antibiotic overuse, just might be the transfer of genes between unrelated species of animals and plants which takes place with genetic engineering, according to *Third World Resurgence* (no. 92, "Sowing Diseases, New and Old", by Mae-Wan Ho & Terje Traavik). Worse yet, regulators are considering a further relaxation of the already lax safety rules regarding this unpredictable and inherently hazardous field.

The technology of genetic engineering, also called biotechnology, uses manipulation, replication and transference techniques to insert genes "horizontally", to connect species which otherwise cannot interbreed. Normal genetic barriers and defence mechanisms, which degrade or inactivate foreign genes that they recognise as dangerous to the self, are in this way broken down. Used to facilitate horizontal gene transfer, genetic engineering can also result in antibiotic-resistant genes which can inadvertently spread and recombine to generate new drug- and antibiotic-resistant pathogens. This, say the authors, has occurred.

Horizontal gene transfer and subsequent genetic recombination may have been responsible for bacterial strains which caused a 1992 cholera outbreak in India, and for a *Streptococcus* epidemic in Tayside in 1993. Antibiotic-resistant genes spread readily between human beings, and genes from bacteria inhabiting the gut of farm animals spread easily to human beings. Antibiotics can create the very conditions that facilitate the spread of antibiotic resistance because they can increase the frequency of horizontal gene transfer 10-fold to 10,000-fold.

Biotechnology firms have billions of dollars invested in these new technologies and are concerned that their speculation bubble

may burst, due to public outrage, before they can recoup their investments. Not surprisingly, then, there is currently no independent investigation into the relationship between genetic engineering and the emergent and recurrent diseases.

No. 8: CATHOLIC HOSPITAL MERGERS THREATEN WOMEN'S REPRODUCTIVE RIGHTS

Nationwide hospital mergers with Roman Catholic Church medical facilities are threatening women's access to abortions, sterilisation, birth control, *in vitro* fertilisation, foetal tissue experimentation and assisted suicide. In 1996, over 600 hospitals merged with Catholic institutions in 19 states. The merged partnerships extend from Portland, Maine, to Oakland, California, and these mergers and partnerships with hospitals and health maintenance organisations (HMOs) are resulting in the impairment of reproductive health care rights across the nation.

Christine Dinsmore, writing in *Ms.* magazine (July/August 1998) gives the example of Kingston Hospital in Rhinebeck, NY. Kingston once performed about 100 abortions each year, but if merged with Benedictine Hospital, a Catholic facility, it will provide the service for medical reasons only. No hospital in the community would provide birth control counselling or family planning services.

Collaborations between secular and Catholic hospitals have made the Roman Catholic Church the largest private health care provider in the nation. Why would they want to join forces with secular hospitals? "The big money in the hospital comes when you have a closed system of doctors, HMOs and hospitals all feeding each other in a closed loop," writes Dinsmore.

Though activists object to partnerships between religious and secular hospitals that result in the ban of reproductive services, they are

sometimes willing to accept lesser collaborations, such as joint ventures or affiliations in which it's more likely religious directives won't be imposed. In response to community pressure, some health care agreements have resulted in independently run women's health clinics. Some activists, however, say it's a lousy solution because separate women's health clinics are often easier targets for anti-abortion extremists.

No. 9: US TAXES SUPPORT DEATH SQUADS IN CHIAPAS, MEXICO

On 22 December 1997, in the village of Acteal in the highlands of the Mexican state of Chiapas, 45 local men, women and children were shot as they were praying. Their bodies were dumped into a ravine. Elsewhere throughout the state of Chiapas, unarmed women faced down armies "with fists held high in rebellion and babies slung from their shoulder". In Jalisco, more than a dozen young men were kidnapped and tortured. One of them, Salvador Jimenez Lopez, drowned in his own blood when his tongue was cut out. Members of the group responsible for these and other atrocities are allegedly members of the Mexican Army Airborne Special Forces Group (GAFE)—a paramilitary unit trained by US Army Special Forces.

Mexican soldiers are being trained with US tax dollars to fight an alleged War on Drugs, but peasant activists say the real motive driving the US-supported war is the protection of foreign invest-

... there is currently no independent investigation into the relationship between genetic engineering and the emergent and recurrent diseases.

ment rights in Mexico. "In Chiapas, US tax money pays for weapons and military...to destroy a movement for social justice..." The United States transfers aid to the Mexican military in cash, weapons and counterinsurgency training. The 1998 Clinton Administration budget earmarked more than \$21 million for the Mexican Drug War, including \$12 million for Pentagon training in "procedures for fighting drug traffic". Anti-drug effort seems to continue to focus on the Chiapas region where 80 per cent of the communities are in conflict zones.

According to the "Zapatismo Papers" (Darrin Wood), acts of inhumanity by GAFE were led by Lt Col Julian Guerrero Barrios, a 1981 graduate of the US-sponsored School of Americas (SOA).

Although it remains unknown how many of the 15 soldiers charged in the Acteal incident were trained at US bases, the Pentagon has admitted that some of the soldiers arrested were US-trained.

No. 10: NIGERIAN ECO-ACTIVISTS GUNNED DOWN ON CHEVRON OIL FACILITY

For three days in May 1998, 121 youths from 42 different communities had gathered to oppose the environmental destruction brought on by Chevron's oil extraction practices. For decades, the people of the Niger Delta have been protesting the destruction of their wetlands. Discharges into the creeks and waterways have left the region a dead land, resulting in the Niger Delta becoming one of the most heavily polluted regions in the world.

The students claim they had voiced their concerns many times and had scheduled a number of meetings with the company, but the meetings had been repeatedly cancelled by Chevron. As a next step, the students organised the protest around a Chevron barge in order to draw Chevron's attention to the goal of environmental justice. Student demonstrators had peacefully occupied an anchored barge in a protest since 25 May.

According to student leader Bola Oyinbo, approximately 20 of the 121 students surrounding the barge in small boats went on board to meet with a Nigerian naval officer who was working for Chevron. Oyinbo stated that the students wanted to speak to Mr Kirkland, Chevron's managing director. Although the director never came, other Chevron officials did arrive the next day and promised to set up a meeting with the students at the end of May. The students agreed to leave the barge on 28 May in order to attend the proposed meeting. On 28 May 1998, Nigerian National soldiers were helicoptered by Chevron employees to the Chevron-owned oil facility off the coast of Nigeria, where, after an onslaught of attacks, two students were killed and several others wounded.

No. 11: PRIVATE PRISONS BECOME BIG BUSINESS

Private prisons are one of the fastest growing sectors of the prison industrial complex. Under contract by the government to run prisons, and paid a fixed sum per prisoner, corporate firms operate as cheaply and efficiently as possible to ensure a profit. This means lower wages for staff, no unions and fewer services for prisoners. Substandard diets, extreme overcrowding and abuses by poorly trained personnel have all been documented as practices of this private business approach to incarceration.

(See "The Prison Industrial Complex and the Global Economy", this issue, NEXUS 6/04.)

No. 12: MILLIONS GIVEN CONTAMINATED POLIO VACCINE BETWEEN 1955 AND 1963

The once hailed "miracle" vaccine against polio was contaminated by a virus called simian virus 40 (SV40) between the years of 1955 and 1963. The virus hid in the renal cells of the monkeys which were used to make the vaccine. SV40 has been linked to rare, incurable cancers such as ependymomas (brain tumours), mesotheliomas (pleural tumours, usually of the lung), and osteosarcomas (bone malignancies).

(See "Vaccine Contamination" in NEXUS 5/04, June-July 1998; Global News 4/01, Dec-Jan 1996-97.)

No. 13: CHINA VIOLATES HUMAN RIGHTS IN TIBET

Throughout most of history, Tibetan women have enjoyed greater equality with men than have their Asian neighbours. Since China's invasion of Tibet in 1959, they have been at the forefront of the nonviolent struggle for independence, and nearly half of the protests staged over the last decade have been led by nuns. During that time, however, thousands of Tibetan women have been arrested, incarcerated, sexually abused, tortured and publicly executed.

The once hailed "miracle" vaccine against polio was contaminated by a virus called simian virus 40 (SV40) between the years of 1955 and 1963.

No. 14: POLITICAL CONTRIBUTIONS COMPROMISE AMERICAN JUDICIAL SYSTEM

America's justice system is being compromised by campaign contributions to judges from special interest groups and corporate political action committees (PACs).

No. 15: SWAT TEAMS REPLACE CIVILIAN POLICE AND TARGET MINORITY COMMUNITIES

In the 25 years since the creation of the first Special Weapons and Tactics (SWAT) teams in Los Angeles, police forces across the United States have become increasingly militarised. Paramilitary police teams originally only operated in urban areas, but in recent years the number of special task forces throughout the country, including with rural police departments, has dramatically increased.

No. 16: MERCENARY ARMIES IN SERVICE TO GLOBAL CORPORATIONS

In many countries, multinational corporations have paid directly for private policing services from the local army, or have hired outside security companies to harass nationals who protest against the environmental impact of their operations. The firms involved represent a growing number of new corporate security operations around the world, linking former intelligence officers, standing armies and local death squads.

No. 17: US MEDIA PROMOTES BIASED COVERAGE ON BOSNIA

A visit to the camps of Omarska and Trnopolje by a British team from Independent Television (ITN) on 5 August 1992 gave rise to the image of the Serbs as the new Nazis of the Balkans. A widely published photo taken by ITN pictured an emaciated Muslim behind barbed wire with comrades imprisoned behind him. However, ITN's photo was not as accurate as it seemed. The men in the photo were not standing behind barbed wire. In fact, the Hague Tribunal confirmed that there was no barbed wire surrounding the Belesn 92 at Trnopolje. The emaci-

ated Muslim shown without his shirt was actually a very ill man selected to be featured in the photo. Trnopolje was not a concentration camp: it was a refugee and transit centre. Many Muslims travelled there for protection and could leave at will.

No. 18: MANHATTAN PROJECT COVERED UP EFFECTS OF FLUORIDE TOXICITY

Recently declassified government documents have shed new light on the decades-old debate over the fluoridation of drinking water, and have added to a growing body of scientific evidence concerning the health effects of fluoride. Much of the original evidence about fluoride, which suggested it was safe for human consumption in low doses, was actually generated by Manhattan Project scientists in the 1940s. New evidence shows that researchers were ordered to cover up evidence of the dangers of fluoride and its levels of toxicity, to avoid lawsuit by exposed civilians.

(See "Toxic Secrets: Fluoride & the A-Bomb Program", NEXUS 5/03, April-May 1998.)

No. 19: CLINTON ADMINISTRATION LOBBIED FOR RETAINING TOXIC CHEMICALS IN TOYS

The Clinton Administration and the Commerce Department have lobbied on behalf of US toy and chemical manufacturers against proposed new European Union restrictions which would prevent children's exposure to toxic chemicals released by polyvinyl chloride (PVC) toys such as teething rings.

No. 20: DEVELOPERS BUILD ON FLOODPLAINS AT TAXPAYER EXPENSE

According to the Federal Emergency Management Agency (FEMA), some 10 million people in the US currently live on floodplains, and developers are rapidly building more homes in these areas. Of these households at risk of flooding, only one quarter actually carries insurance; the rest will rely on federal disaster relief funds if their homes are flooded. Many of these homes face repeated flooding.

No. 21: GLOBAL OIL RESERVES ALARMINGLY OVERESTIMATED

Colin J. Campbell and Jean H. Laherrere, two independent oil-industry consultants, predict that global production of conventional oil will start to decline within the next 10 years, and will be unable to keep up with demand thereafter. Their analysis contradicts oil-industry reports which suggest we have another 50 years' worth of cheap oil to sustain us. As the independent report points out, economic and political motives cause oil-producing companies and countries to publish the inflated figure, and this affects all of us.

No. 22: AMERICAN ACADEMIA AT RISK AS TENURED PROFESSORS VANISH

The bedrock of higher education, the tenured full-time faculty, has become an endangered species. According to the American Federation of Teachers (AFT), the number of tenured full-time faculty positions is rapidly decreasing on college

campuses. Full-time faculty are being replaced by part-time faculty who are paid two-thirds what tenured professors earn and receive substandard benefits. At least 43 per cent of college instructors nationwide are now part-time faculty. The hiring of part-time lecturers increased by 266 per cent between 1979 and 1995.

No. 23: BUREAU OF LAND MANAGEMENT VIOLATES SHOSHONE NATION'S LAND RIGHTS

A decades-old dispute with the Bureau of Land Management (BLM) has led the Western Shoshone tribe to take the conflict to an international level. The OAS Inter-American Commission on Human Rights has asked the United States to "stay" all actions, pending further investigations. But, according to *News From Indian Country* (May 1998), the BLM has "not responded" to documents supporting Western Shoshone land rights.

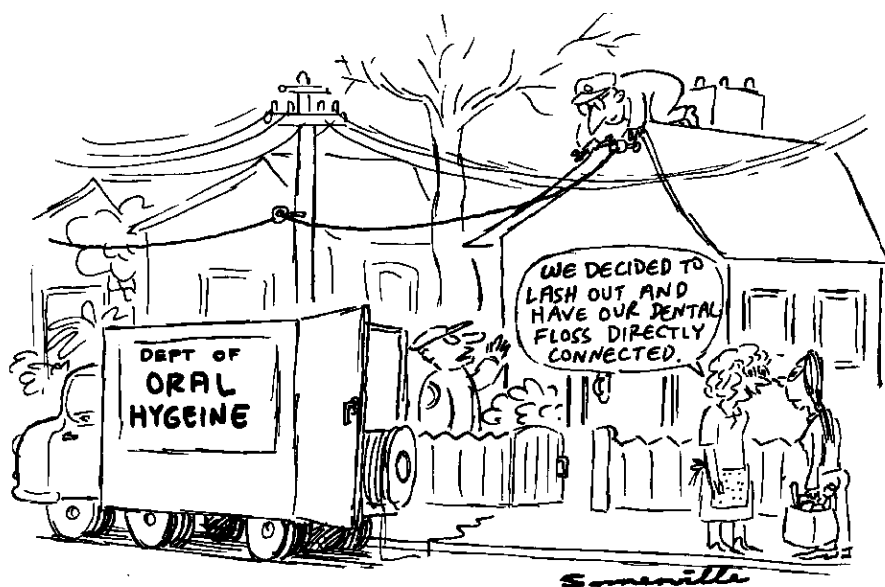
No. 24: COCA-COLA FAILS TO KEEP ITS PET PLASTIC RECYCLING PLEDGE

In 1990, Coca-Cola made a promise to use its recycled plastic bottles in new production, as it has successfully done in Europe and numerous other countries. Eight years later, they have yet to follow through with that promise. This failure to act has kept the price of recycled PET bottles low in the marketplace and discouraged expanded PET recycling programs nationwide.

No. 25: ABC BROADCASTS SLANTED REPORT ON MUMIA ABU-JAMAL

On 7 and 8 May 1998, KGO-TV, an ABC affiliate in San Francisco, broadcast a two-part series attacking the international movement to prevent the execution of Mumia Abu-Jamal. Mumia, a black activist, has been on death row in the state of Pennsylvania for 16 years for allegedly killing a Philadelphia police officer in 1981. KGO claimed to do an objective review of the case. The final broadcast presented a very one-sided story.

Editor's Note: Complete references for each of these stories can be obtained from Project Censored's website at <www.sonoma.edu/projectcensored>.



THE PRISON INDUSTRIAL COMPLEX AND THE GLOBAL ECONOMY

Prisons, whether state-run or private, are a huge growth industry worldwide, earning millions for their owners while exploiting prisoners for their cheap labour.

**by Eve Goldberg
and Linda Evans © 1998/99**

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Over 1.8 million people are currently behind bars in the United States. This represents the highest per-capita incarceration rate in the history of the world. In 1995 alone, 150 new US prisons were built and filled. This monumental commitment to lock up a sizeable percentage of the population is an integral part of the globalisation of capital. Several strands converged at the end of the Cold War, changing relations between labour and capital on an international scale: domestic economic decline, racism, the US role as policeman of the world, and growth of the international drug economy in creating a booming prison industrial complex. And the prison industrial complex is rapidly becoming an essential component of the US economy.

PRISONS ARE BIG BUSINESS

Like the military industrial complex, the prison industrial complex is an interweaving of private business and government interests. Its twofold purpose is profit and social control. Its public rationale is the fight against crime. Not so long ago, communism was "the enemy" and communists were demonised as a way of justifying gargantuan military expenditures. Now, fear of crime and the demonisation of criminals serve a similar ideological purpose: to justify the use of tax dollars for the repression and incarceration of a growing percentage of our population. The omnipresent media blitz about serial killers, missing children and "random violence" feeds our fear.

In reality, however, most of the "criminals" we lock up are poor people who commit non-violent crimes out of economic need. Violence occurs in less than 14 per cent of all reported crime, and injuries occur in just 3 per cent. In California, the top three charges for those entering prison are: possession of a controlled substance; possession of a controlled substance for sale; and robbery. Violent crimes like murder, rape, manslaughter and kidnapping don't even make the top ten. Like fear of communism during the Cold War, fear of crime is a great selling tool for a dubious product.

As with the building and maintenance of weapons and armies, the building and maintenance of prisons are big business. Investment houses, construction companies, architects and support services, such as food, medical, transportation and furniture, all stand to profit by prison expansion. A burgeoning "speciality item" industry sells fencing, handcuffs, drug detectors, protective vests and other security devices to prisons.

As the Cold War winds down and the Crime War heats up, defence industry giants like Westinghouse are re-tooling and lobbying Washington for their share of the domestic law-enforcement market. "Night Enforcer" goggles used in the Gulf War, electronic "Hot Wire" fencing ("so hot, NATO chose it for high-risk installations"), and other equipment once used by the military are now being marketed to the criminal justice system. Communication companies like AT&T, Sprint and MCI are getting into the act as well, gouging prisoners with exorbitant phone-calling rates often six times the normal long-distance charge. Smaller firms like Correctional Communications Corp., dedicated solely to the prison phone business, provide computerised prison phone systems fully equipped for systematic surveillance. They win government contracts by offering to "kick back" some of the profits to the government agency awarding the contract. These companies are reaping huge profits at the expense of prisoners and their families; and prisoners are often effectively cut off from communication due to the excessive cost of phone calls.

One of the fastest growing sectors of the prison industrial complex is private corrections companies. Investment firm Smith Barney is a part-owner of a prison in Florida. American Express and General Electric have invested in private prison construction in

Oklahoma and Tennessee. Correctional Corporation of America, one of the largest private prison owners, already operates internationally, with more than 48 facilities in 11 states, Puerto Rico, the United Kingdom and Australia. Under contract by government to run prisons and paid a fixed sum per prisoner, these firms operate, as the profit motive mandates, as cheaply and efficiently as possible. This means lower wages for staff, no unions and fewer services for prisoners. Private contracts also mean less public scrutiny. Prison owners are raking in billions by cutting corners, which harms prisoners. Substandard diets, extreme overcrowding and abuses by poorly trained personnel have all been documented and can be expected in these institutions which are unabashedly about making money.

Prisons are also a leading rural growth industry. With traditional agriculture being pushed aside by agribusiness, many rural American communities are facing hard times. Economically depressed areas are falling over each other to secure a prison facility of their own. Prisons are seen as a source of jobs in construction and for local vendors and prison staff, as well as a source of tax revenues. An average prison has a staff of several hundred employees and an annual payroll of several million dollars.

Like any industry, the prison economy needs raw materials. In this case, the raw materials are prisoners. The prison industrial complex can grow only if more and more people are incarcerated, even if crime rates drop. "Three strikes" and mandatory minimums (harsh, fixed sentences without parole) are two examples of the legal superstructure quickly being put in place to guarantee that the prison population will grow and grow and grow.

LABOUR AND THE FLIGHT OF CAPITAL

The growth of the prison industrial complex is inextricably tied to the fortunes of labour. Ever since the onset of the Reagan/Bush years in 1980, workers in the United States have been under siege. Aggressive union-busting, corporate deregulation, and especially the flight of capital in search of cheaper labour markets have been crucial factors in the downward plight of American workers.

One wave of capital flight occurred in the 1970s. Manufacturing industries such as textiles in the northeast moved south to South Carolina, Tennessee and Alabama—non-union states where wages were low. During the 1980s, many more industries (steel, auto, etc.) closed up shop, moving on to the "more competitive atmospheres" of Mexico, Brazil or Taiwan, where wages were a mere fraction of those in the United States and environmental, health and safety standards were much lower. Most seriously hurt by these plant closures and layoffs were African-Americans and semi-skilled workers in urban centres who lost their decent-paying industrial jobs.

Into the gaping economic hole left by the exodus of jobs from US cities has rushed another economy: the drug economy.

THE WAR ON DRUGS

The "War on Drugs", launched by President Reagan in the mid-1980s, has been fought on interlocking international and domestic fronts. At the international level, the war on drugs has been both a cynical cover-up of US Government involvement in the drug trade, as well as justification for US military intervention and control in the Third World.

Over the last 50 years, the primary goal of US foreign policy (and the military industrial complex) has been to fight communism and protect corporate interests. To this end, the US Government has, with regularity, formed strategic alliances with drug dealers throughout the world.

At the conclusion of World War II, the OSS (precursor to the CIA) allied itself with heroin traders on the docks of Marseilles in an effort to wrest power away from communist dock workers.

During the Vietnam War, the CIA aided the heroin-producing Hmong tribesmen in the Golden Triangle area. In return for cooperation with the US Government's war against the Vietcong and other national liberation forces, the CIA flew local heroin out of South East Asia and into America. It's no accident that heroin addiction in the US rose exponentially in the 1960s.

Nor is it an accident that cocaine began to proliferate in the United States during the 1980s. Central America is the strategic halfway point for air travel between Colombia and the United States. The Contra war against Sandinista Nicaragua as well as the war against the national liberation forces in El Salvador were largely about control of this critical area. When Congress cut off support for the Contras, Oliver North and friends found other ways to fund the Contra re-supply operations—in part, through drug dealing. Planes loaded with arms for the Contras took off from the southern United States, offloaded their weapons on private landing strips in Honduras, then loaded up with cocaine for the return trip.

A 1996 exposé by the San Jose *Mercury News* documented CIA involvement in a Nicaraguan drug ring which poured thousands of kilos of cocaine into Los Angeles African-American neighbourhoods in the 1980s. Drug boss Danilo Blandon, now an informant for the DEA, acknowledged under oath the drugs-for-weapons deals with the CIA-sponsored Contras.

US military presence in Central and Latin America has not stopped drug trafficking, but it has influenced aspects of the drug trade and is a powerful force of social control in the region. US military intervention, whether in propping up dictators or squashing peasant uprisings, now operates under cover of the righteous war against drugs and "narco-terrorism".

In Mexico, for example, US military aid supposedly earmarked for the drug war is being used to arm Mexican troops in the southern part of the country. However, the drug trade (production, transfer and distribution points) is all in the north. The "Drug

Under contract by government to run prisons and paid a fixed sum per prisoner, these firms operate, as the profit motive mandates, as cheaply and efficiently as possible.

Private contracts also mean less public scrutiny.

Prison owners are raking in billions by cutting corners, which harms prisoners.

War money" is being used primarily to fight against the Zapatista rebels in the southern state of Chiapas, who are demanding land reform and economic policy changes which are diametrically opposed to the transnational corporate agenda.

In the Colombian jungles of Cartagena de Chaira, coca has become the only viable commercial crop. In 1996, 30,000 farmers blocked roads and airstrips to prevent crop-spraying from aircraft. The Revolutionary Armed Forces of Colombia (FARC), one of the oldest guerrilla organisations in Latin America, held 60 government soldiers hostage for nine months, demanding that the military leave the jungle, that social services be increased and that alternative crops be made available to farmers. And given the notorious involvement of Colombia's highest officials with the powerful drug cartels, it is not surprising that most US "Drug War" military aid actually goes to fighting the guerrillas.

One result of the international war on drugs has been the internationalisation of the US prison population. For the most part, it is the low-level "mules" carrying drugs into the United States who are captured and incarcerated in ever-increasing numbers. At least 25 per cent of inmates in the federal prison system today will be subject to deportation when their sentences are completed.

In the US, the War on Drugs has been a war on poor people—particularly poor, urban, African-American men and women. It is well documented that police enforcement of the new, harsh drug laws have been focused on low-level dealers in communities of colour. Arrests of African-Americans have been about five times higher than arrests of whites, although whites and African-Americans use drugs at about the same rate. And, African-Americans have been imprisoned in numbers even more disproportionate than their relative arrest rates. It is estimated that in 1994, on any given day, one out of every 128 US adults was incarcerated while one out of every 17 African-American adult males was incarcerated.

The differential in sentencing for powder and crack cocaine is one glaring example of institutionalised racism. About 90 per cent of crack arrests are of African-Americans, while 75 per cent of powder cocaine arrests are of whites. Under federal law, it takes only five grams of crack cocaine to trigger a five-year mandatory minimum sentence; but it takes 500 grams of powder cocaine—100 times as much—to trigger this same sentence. This flagrant injustice was highlighted by a 1996 nationwide federal prison rebellion when Congress refused to enact changes in sentencing laws that would equalise penalties.

Statistics show that police repression and mass incarceration are not curbing the drug trade. Dealers are forced to move, turf is reshuffled, already vulnerable families are broken up. But the demand for drugs still exists, as do huge profits for high-level dealers in this fifty-billion-dollar international industry.

From one point of view, the War on Drugs can actually be seen as a pre-emptive strike: the state's repressive apparatus working overtime, putting poor people away before they get angry; incarcerating those at the bottom—the helpless, the hopeless—before they demand change. What drugs don't damage (in terms of intact communities, the ability to take action, to organise), the War on Drugs and mass imprisonment will surely destroy. The crack-down on drugs has not stopped drug use. But it has taken thousands of unemployed (and potentially angry and rebellious) young men and women off the streets. And it has created a mushrooming prison population.

PRISON LABOUR: A POT OF GOLD

An American worker, who once upon a time made \$8 per hour, loses his job when the company relocates to Thailand where workers are paid only \$2 per day. Unemployed and alienated from a society indifferent to his needs, he becomes involved in the drug economy or some other outlawed means of survival. He is arrested, put in prison and put to work. His new wage: 22 cents per hour. From worker, to unemployed, to criminal, to convict labourer, the cycle has come full circle. And the only victor is big business.

For private business, prison labour is like a pot of gold: no strikes, no union organising, no unemployment insurance or workers compensation to pay, no language problem as in a foreign country.

New leviathan prisons are being built with thousands of eerie acres of factories inside the walls. Prisoners do data entry for Chevron, make telephone reservations for TWA, raise hogs, shovel manure, make circuit boards, limousines, waterbeds, and lingerie for Victoria's Secret—all at a fraction of the cost of "free labour".

Prisoners can be forced to work for pennies because they have no rights. Even the 14th Amendment to the US Constitution,

Arrests of African-Americans have been about five times higher than arrests of whites, although whites and African-Americans use drugs at about the same rate.



which abolished slavery, excludes prisoners from its protections.

And more and more, prisons are charging inmates for basic necessities from medical care to toilet paper to use of the law library. Many states are now charging "room and board". Berks County Jail in Pennsylvania is charging inmates \$10 per day to be there. California has similar legislation pending. So, while government cannot (yet) actually require inmates to work at private industry jobs for less than the minimum wage, they are forced to by necessity.

Some prison enterprises are state-run. Inmates working at UNICOR (the federal prison industry corporation) make recycled furniture and work 40 hours a week for about \$40 per month. The Oregon Prison Industries produces a line of "Prison Blues" blue jeans. An ad in their catalogue shows a handsome prison inmate saying: "I say we should make bell-bottoms. They say I've been in here too long." Bizarre, but true. The promotional tags on the clothes themselves actually tout their operation as rehabilitation and job training for prisoners—who, of course, would never be able to find work in the garment industry upon release.

Prison industries are often directly competing with private industry. Small furniture manufacturers around the United States complain that they are being driven out of business by UNICOR which pays 22 cents per hour and has the inside track on government contracts. In another case, US Technologies sold its electronics plant in Austin, Texas, leaving its 150 workers unemployed. Six weeks later, the electronics plant reopened in a nearby prison.

WELCOME TO THE NEW WORLD ORDER

The proliferation of prisons in the United States is one piece of a puzzle called "the globalisation of capital". Since the end of the Cold War, capitalism has gone on an international business offensive. No longer impeded by an alternative socialist economy or the threat of national liberation movements supported by the

Soviet Union or China, transnational corporations see the world as their oyster. Agencies such as the World Trade Organization, the World Bank and the International Monetary Fund, bolstered by agreements like NAFTA and GATT, are putting more and more power into the hands of transnational corporations by putting the squeeze on national governments.

The primary mechanism of control is debt. For decades, developing countries have depended on foreign loans, resulting in increasing vulnerability to the transnational corporate strategy for the global economy. Access to international credit and aid is given only if governments agree to certain conditions known as "structural adjustment". In a nutshell, structural adjustment requires cuts in social services, privatisation of state-run industry,

repeal of agreements with labour about working conditions and minimum wages, conversion of multi-use farmlands into cash-crop agriculture for export, and the dismantling of trade laws which protect local economies. Under structural adjustment, police and military expenditures are the only government spending that is encouraged. The sovereignty of nations is compromised when, as in the case of Vietnam, trade sanctions are threatened unless the government allows Camel cigarette billboards to litter the countryside or promises to spend millions in

the US-orchestrated crackdown on drugs.

The basic transnational corporate philosophy is this: the world is a single market; natural resources are to be exploited; people are consumers; anything which hinders profit is to be rooted out and destroyed. The results of this philosophy in action are that while economies are growing, so is poverty, so is ecological destruction, so are sweatshops and child labour. Across the globe, wages are plummeting, indigenous people are being forced off their lands, rivers are becoming industrial dumping grounds, and forests are being obliterated. Massive regional starvation and "World Bank riots" are becoming more frequent throughout the Third World.

... US Technologies sold its electronics plant in Austin, Texas, leaving its 150 workers unemployed. Six weeks later, the electronics plant reopened in a nearby prison.

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All over the world, more and more people are being forced into illegal activity for their own survival as traditional cultures and social structures are destroyed. Inevitably, crime and imprisonment rates are on the rise. And the United States law enforcement establishment is in the forefront, domestically and internationally, in providing state-of-the-art repression.

Within the United States, structural adjustment (sometimes known as "the Contract with America") takes the form of welfare and social service cuts, continued massive military spending and skyrocketing prison spending. Walk through any poor urban neighbourhood: school systems are crumbling; after-school programs, libraries, parks and drug treatment centres are closed. But you will see more police stations and more cops. Often, the only "social service" available to poor young people is prison.

The dismantling of social programs and the growing dominance of the right-wing agenda in US politics have been made possible, at least in part, by the successful repression of the civil rights and liberation movements of the 1960s and 1970s. Many of the leaders—Martin Luther King Jr, Malcolm X, Fred Hampton and more—were assassinated. Others, like Geronimo ji Jaga Pratt, Leonard Peltier and Mumia Abu-Jamal, have been locked up. Over 150 political leaders from the Black Liberation struggle, the Puerto Rican independence movement and other resistance efforts are still in prison. Many are serving sentences ranging from 40 to 90 years. Oppressed communities have been robbed of radical political leadership which might have led an opposition movement. We are reaping the results.

The number of people in US prisons has more than tripled in the past 17 years from 500,000 in 1980 to 1.8 million in 1997. Today, more than five million people are behind bars, on parole, on probation or under other supervision by the criminal justice system. The state of California now spends more on prisons than on higher education, and over the past decade has built 19 prisons

and only one branch university. Add to this the fact that increasing numbers of women are being locked up. Between 1980 and 1994, the number of women in prison increased fivefold. Women now make up the fastest-growing segment of the prison population. Most of these women are mothers, leaving future generations growing up in foster homes or on the streets. Welcome to the New World Order.

CHALLENGING THE TRANSNATIONALS

Prisons are not reducing crime. They are fracturing already-vulnerable families and communities.

Poor people of colour are being locked up in grossly disproportionate numbers, primarily for non-violent crimes. But Americans are not feeling safer.

As "criminals" become scapegoats for our floundering economy and our deteriorating social structure, even the guise of rehabilitation is quickly disappearing from our penal philosophy. After all, rehabilitate for what? To go back into an economy which has no jobs? To go back into a community which has no hope? As education and other prison programs are cut back or in most cases eliminated

altogether, prisons are becoming vast, overcrowded holding tanks. Or worse: factories behind bars.

Prison labour is undercutting wages—something which hurts all working and poor Americans. It's a situation which can only occur because organised labour is divided and weak and has not kept step with organised capital. While capital has globalised, labour has not. While the transnationals are fashioning our planet into a global village, there is still little communication or cooperation between workers around the world.

Only an internationally linked labour movement can effectively challenge the power of the transnational corporations. There have been some wonderful, shining instances of international worker solidarity. In the early 1980s, 3M workers in South Africa walked out in support of striking 3M workers in New Jersey.

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- Anarchist Black Cross Federation, NJ ABC-BG, PO Box 8532, Patterson, NJ 07508-8532, website <<http://burn.ucsd.edu/~abcf>>.
- *California Prison Focus*, 2940 16th St, Room 100, San Francisco, CA 94103, tel

(415) 252 9211, website <www.prisons.org>.

- Coalition for Prisoners Rights, Box 1911, Santa Fe, NM 87504.
- Critical Resistance: Beyond the Prison Industrial Complex, Box 339, Berkeley, CA 94701, e-mail <critresist@aol.com>, website <www.igc.org/justice/critical>. A national conference and strategy session, held 25-27 September 1998 at UC Berkeley, California.
- *Libertad*, Newsletter of the Out-of-Control Lesbian Committee to Support Women Political Prisoners and Prisoners of War, 2607 W. Division, Chicago, IL 60622, USA. *Libertad* carries news and information from the National Committee to Free Puerto Rican Prisoners of War.
- *Out of Time*, 3543 18th St, Box 30,

More recently, longshore workers in Denmark, Spain, Sweden and several other countries closed down ports around the world in solidarity with striking Liverpool dockers. When Renault closed its plant in Belgium, 100,000 people demonstrated in Brussels, pressuring the French and Belgian governments to condemn the plant closure and compel its reopening.

In the United States there is a glimmer of hope, as the AFL-CIO [the merged American Federation of Labor and Congress of Industrial Organizations] has voted-in some new, more progressive leadership. We'll see how that shapes up, and whether the last 50 years of anticommunist, bread-and-butter American unionism is really a thing of the past.

What is certain is that resistance to the transnational corporate agenda is growing around the globe. In 1996, the people of Bougainville, a small Papua New Guinea island, organised a secessionist rebellion, protesting the dislocations and ecological destruction caused by corporate mining on the island. When the government hired mercenaries from South Africa to train local troops in counter-insurgency warfare, the army rebelled, threw out the mercenaries and deposed the Prime Minister.

A one-day general strike shut down Haiti in January 1997. Strikers demanded the suspension of negotiations between the Prime Minister and the International Monetary Fund/World Bank. They protested the austerity measures imposed by the IMF and WB, which would mean the layoff of 7,000 government workers and the privatisation of the electric and telephone companies.

In Nigeria, the Ogoni people conducted a protracted eight-year struggle against Shell Oil. Acid rain and hundreds of oil spills and gas flares were turning the once fertile countryside into a near wasteland. Their peaceful demonstrations, election boycotts and pleas for international solidarity were met with violent government repression and the eventual execution of Ogoni writer/leader Ken Saro Wiwa.

What is certain is that resistance to the transnational corporate agenda is growing around the globe.

In France, a month-long general strike united millions of workers who protested privatisation, a government worker pay-freeze and cutbacks in social services. Telephone, airline, power, postal, education, health care and metal workers all joined together, bringing business to a standstill. The right-wing Chirac government was forced to make minor concessions before being voted out for a new "socialist" administration.

At the Oak Park Heights Correctional Facility in Minnesota, 150 prisoners went on strike in March 1997, demanding to be paid the minimum wage. Although they lost a litigation battle to attain this right, their strike gained attention and support from several local labour unions.

Just as the prison industrial complex is becoming increasingly central to the growth of the US economy, prisoners are a crucial part of building effective opposition to the transnational corporate agenda. Because of their enforced invisibility, powerlessness and isolation, it's far too common for prisoners to be left out of the equation of international solidarity.

Yet, opposing the expansion of the prison industrial complex and supporting the rights and basic humanity

of prisoners may be the only way we can stave off the consolidation of a police state that represses us all, where you or a friend or family member may end up behind bars.

Clearly, the only alternative that will match the power of global capital is an internationalisation of human solidarity—because, truly, we are all in this together. ∞

International solidarity is not an act of charity. It is an act of unity between allies fighting on different terrains toward the same objective. The foremost of these objectives is to aid the development of humanity to the highest level possible.

— Samora Machel (1933-1986)

Leader of FRELIMO and First President of Mozambique

RESOURCES

USA (continued):

San Francisco, CA 94110, USA, e-mail <outoftime@igc.apc.org>.

- Prison Activist Resource Center, PO Box 339, Berkeley, CA 94701, tel (510) 845 8813, fax (510) 845 8816, e-mail <parc@prisonactivist.org>, website <www.prisonactivist.org>.

- *Prison Legal News*, 2400 NW 80th St #148, Seattle, WA 98117.

- *PWA RAG Inc.*, 1626 N. Wilcox Ave #537, Los Angeles, CA 90028, e-mail <ragnews@aol.com>. A quarterly published by Prisoners With AIDS Rights Advocacy Group Inc.

- *Raze the Walls*, Box 720418, Orlando, FL 32872. Provides prisoner support and abolition work.

- *The Fire Inside*, c/o California Coalition for Women Prisoners, 100

McAllister St, San Francisco, CA 94102, website <<http://www.igc.org/justice/prisoners/women>>.

- *This Just In*, 103 Bartlett Ave, Pittsfield, MA 01201.

- *Transformation*, c/o Women's Project, 2224 Main St, Little Rock, AR 72206, e-mail <wproject@aol.com>.

A quarterly newsletter for social and economic justice, by groups working with women prisoners since 1989.

- *Walking Steel*, Can't Jail the Spirit, Box 578172, Chicago, IL 60657, e-mail <CEML@aol.com>. *Walking Steel* carries written materials including a collection of blogs on some of the current political prisoners in the USA.

Canada:

- *Arm The Spirit*, PO Box 6326 Stn A, Toronto, Ontario M5W 1P7, website <<http://burn.ucsd.edu>>.

Europe:

- International Prison Watch, Secretariat International, 16 avenue Berthelôt BP 7083, 69301 Lydon Cedex 07, France.

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The Yin & Yang of HIV

Supporters of the 'HIV causes AIDS' hypothesis cannot back up their claims with scientific evidence, yet they continue to reject alternative explanations and promote life-threatening drug treatments.

Part 1 of 2

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Perth, Western Australia

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A theory is a good theory if it satisfies two requirements: It must accurately describe a large class of observations on the basis of a model that contains only a few arbitrary elements, and it must make definite predictions about the results of future observations.

— Dr Stephen Hawking

The notion that HIV/AIDS is infectious and sexually transmitted is based on a relationship between antibodies claimed specifically induced by a retrovirus, HIV, and particular diseases in certain risk groups. However, the HIV theory has been challenged for well over a decade in many scientific publications, principally by Peter Duesberg from the USA and Eleni Papadopoulos-Eleopoulos and her colleagues in Perth, Western Australia.

Failure of HIV/AIDS to spread beyond the original risk groups and particularly to Western heterosexuals, especially non-drug-using prostitutes, signals that the HIV theory of AIDS is in need of urgent reappraisal. This has serious implications for both the way science has been conducted and for public health policy and planning. The HIV theory has cost billions of dollars and locked in enormous amount of energy in research by thousands of scientists worldwide. So far, it has yet to save a single life.

There is an urgent need to establish a truly independent and distinguished international committee to review the current theories and those that challenge them. There needs to be a co-operative but urgent reassessment of AIDS.

A NOBEL LAUREATE STIRS THE WATERS

In 1988, Dr Kary Mullis, the 1993 Nobel Prize winner for Chemistry, was employed by the US National Institutes for Health (NIH) to set up analyses for HIV testing. When preparing his report, he asked a virologist colleague for a reference that HIV is "the probable cause of AIDS". He was told he did not need one. Mullis was surprised.¹

"I disagreed. It was totally remarkable to me that the individual who had discovered the cause of a deadly and as-yet-uncured disease would not be continually referenced in the scientific papers until that disease was cured and forgotten... There had to be a published paper, or perhaps several of them, which taken together indicated that HIV was the probable cause of AIDS." Otherwise, as Mullis was forced to conclude: "The entire campaign against a disease increasingly regarded as the twentieth-century Black Death was based on a hypothesis whose origins no one could recall. That defied both scientific and common sense."

A decade later, Mullis was to write: "I finally understood why I was having so much trouble finding the references that linked HIV to AIDS. There weren't any."²

Indeed, an interested non-specialist observer, armed with a few contacts and a good library, merely has to scratch the surface to realise that the HIV theory of AIDS begs many more questions than it answers.^{1-63*}

THE BEGINNINGS OF AIDS

The few years leading up to the AIDS era and the discovery of HIV are illuminating. It was a time when a promiscuous minority of young, "liberated" gay men in a few large American cities were increasingly developing previously uncommon diseases such as fatal forms of the malignancy Kaposi's sarcoma and a fungal pneumonia known as PCP.

At the time, whilst it was reasonable to implicate an infectious microbe transmitted by

rampant, indiscriminant sexual practices interspersed with needle sharing and drug taking, the fact that immune suppression had multiple causes was also known in 1981. Some considered the diseases resulted from multiple assaults to bodily functions caused by the many and varied diseases, toxins and treatments that accompanied the gay and drug-taking lifestyle that had evolved during the late 1970s.

Just how extensive these multiple assaults were was indicated by the English journalist Neville Hodgkinson, documenting the range of infections of just one homosexual, the late Michael Callen, in his book, *AIDS—The failure of contemporary science: How a virus that never was deceived the world*.²⁹ Hodgkinson writes: "From 1973, when he came out as a homosexual, to 1975, he only got mononucleosis and non-specific urethritis (NSU). In 1975, he had his first bout of gonorrhoea... But from there, it all began to snowball. 'First came hepatitis A in 1976 [said Callen]. Then more NSU and gonorrhoea. In 1977, amoebas [intestinal parasites] and hepatitis B...NSU and gonorrhoea. 1978: more amoebas...my first case of shigella [and] more VD. Then in 1979, hepatitis a third time...non-A, non-B...amoebas...giardias...a fissure [and] my first case of syphilis. And of course, more gonorrhoea [penile, anal and oral]. In 1980: the usual gonorrhoea, shigella twice, and more amoebas...' Added to that list were herpes simplex types I and II; venereal warts; salmonella; chlamydia; cytomegalovirus (CMV); Epstein-Barr virus (EBV); mononucleosis; and finally cryptosporidiosis ('a disease of cattle')." Indeed, an early US Centers for Disease Control (CDC) study confirmed that the first 100 men with AIDS had a median lifetime number of 1,120 sexual partners.³⁰ As Callen himself put it: "By 1981, I got some combination of venereal diseases *each and every time* I had sex."

Not surprisingly, given the widespread belief of a causal relationship between immunity and the maintenance of health, in 1981 the "new" disease became known as Gay Related Immune Deficiency (GRID). In fact, none of the diseases was new. Some were known to occur in drug addicts and haemophiliacs long before the AIDS era.^{64, 65} What was "new" was their exponentially escalating prevalence in gay men.

TECHNOLOGY & VIROLOGY

Coincidental with the beginning of the AIDS era, a technique was developed to classify and count the different types of lymphocyte white blood cells. It was noticed that some AIDS patients had diminished numbers of the so-called T4 "helper" cell subtype and, despite lack of proof, the cells were assumed to be dying at the behest of an agent selectively targeting them. This became the "hallmark" of AIDS as well, forming a measure of the amount of immune deficiency. In turn, this "immune deficiency" (the "AID" in AIDS) caused the diseases (the "S" in AIDS) that constitute the clinical syndrome. The perceptions that T4 cells were dying and AIDS was infectious led to the theory that AIDS is caused by a microbial organism.

Five years prior to the AIDS era, a few laboratories around the world were drawing towards the end of a fruitless search to prove a viral cause for human cancers. During the 1970s, Dr Robert Gallo, the central figure as "co-discoverer" of the AIDS virus, and his colleagues claimed to have discovered three human retroviruses. (The name "retroviruses" arises because of the copying of the RNA which forms the viral "genes" [the genome] "backwards" into DNA—a direction contrary to that long considered universal, that is, from DNA into RNA.)

In 1975, the first human retrovirus, HL23V, was proposed to cause human leukaemia, but by 1980 was considered an embarrassing mistake—in fact, not to have ever existed. Of the remaining two, one was postulated to cause a specific, though rare, form of adult leukaemia, and the second remains orphaned without a disease. What is significant is that the latter two retroviruses are said to exhibit a liking for T4 lymphocytes.

This led Donald Francis, Gallo and others to propose that an existing or closely related retrovirus was the agent responsible for killing the T4 cells in AIDS patients. When researchers actively sought and then discovered the same diseases in individuals who were not gay, retroviruses, as well as retrovirologists, received renewed interest and GRID became AIDS.

FIRST PROCLAMATIONS

In May 1983, Professor Luc Montagnier and his colleagues at the Pasteur Institute in Paris published a paper in *Science*, entitled "Isolation of a T-Lymphotropic Retrovirus from a Patient at Risk for Acquired Immune Deficiency Syndrome (AIDS)".⁶⁶ It is important to note that the first word in this paper, "Isolation", serves as a signal that the researchers are claiming proof for the existence of a new virus.

In the interests of science, on several occasions Montagnier sent samples of his tissue cultures to the Gallo laboratory in America, with the express understanding that these "could be used for biomedical, biological and molecular biological studies".⁶⁷ However, Montagnier did not claim to have proven his virus was the cause of AIDS, and the French discovery lay on the table until May 1984 when Gallo and Popovic and their colleagues published four papers, also in *Science*.⁶⁸⁻⁷¹

On 23 April 1984, at a Washington press conference held two weeks before the papers were published, Margaret Heckler, Secretary for Health and Human Services (HSS), announced that Gallo and his co-workers had discovered the "probable" cause of AIDS and had developed a sensitive blood test to detect the virus in the body. A curative vaccine was predicted within two years. Inexplicably, causation was proclaimed merely by association and despite "isolation" of HIV in only 26 (i.e., 36 per cent) of Gallo's 72 AIDS patients—barely a third. (The frequency of "isolation" is no better today.⁷²)

In 1985, the Pasteur Institute alleged that Gallo had misappropriated their virus. The ensuing conflict, which eventually reached the US courts, was settled by a negotiated agreement signed in 1987 by Gallo and Montagnier as "co-discoverers", and

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US President Reagan and French Premier Chirac. Nevertheless, the matter drew the attention of John Crewdson, an investigative journalist, and US Senator John Dingell. In November 1989, Crewdson published a lengthy article in the Chicago *Tribune* newspaper, which provoked an internal NIH enquiry into suspect data from Gallo's laboratory.

A draft report of the formal investigation, written by the NIH Office of Scientific Integrity (OSI), was published in September 1991, in which the principal author, Mikulas Popovic, was accused "of misconduct for misstatements and inaccuracies" that appeared in the first *Science* paper, and suggesting that Gallo, as laboratory chief, "created and fostered conditions that give rise to falsified/fabricated data and falsified reports".

The OSI's final draft report, completed in January 1992, was immediately criticised, and was followed by a review of the OSI report by the Office of Research Integrity (ORI) which found Gallo guilty of scientific misconduct.

Nonetheless, even after this long investigation and its conclusion, the US Government withdrew its findings following Gallo's announcement of an appeal. Despite this, in 1994, US officials credited Montagnier and his colleagues as the discoverers of HIV and yielded the French a greater share of royalties from the HIV antibody tests. In taking these unprecedented steps, Dr Harold Varmus, the Director of the NIH, acknowledged that "scientists at the NIH used a virus provided to them by Institut Pasteur to invent the American test kit". This action scarcely vindicated the Dingell report which had concluded that the settlement "barely managed to paper-over the glaring, unresolved issues". Rather, it was the culmination of a cover-up where "political and international reputational imperatives" at HHS "assumed pre-eminence over scientific integrity", while defending Gallo's claim became "tantamount to defending the US Government itself".⁷³

According to Eleopulos and her colleagues, regardless of the material uncovered by the OSI, Gallo's data, which still remains the best of its kind, does not prove the existence of HIV and, even if it did, nowhere in the papers is there proof that HIV causes AIDS.^{16, 21}

ENTER PETER DUESBERG

In December 1987, three and a half years after the Washington press conference, Professor Peter Duesberg, virologist and molecular biologist at the University of California, Berkeley, published an invited paper entitled "Retroviruses as Pathogens: Expectations and Reality".³ Duesberg was a much fêted scientist, considered to be "the golden boy of virology" and "the greatest living retrovirologist". He had developed many of the laboratory techniques for studying retroviruses and their genetic make-up, had discovered cancer-causing genes, and was recipient of a \$350,000 "outstanding investigator" award from the NIH.

But Duesberg dropped a bombshell. He asserted that, apart from the relatively few cancer-causing retroviruses, the majority are virtually harmless. Duesberg argued that HIV is neutralised

by antibodies shortly after infection and thus antibodies signal its containment. He also pointed to data proving that well, sick or dying-from-AIDS, HIV-positive individuals contain insufficient amounts of HIV to do harm. Even if HIV were to kill all the T4 cells it had infected every 1 to 2 days, the number of T4 cells needing replacement approximated the amount of blood shed by a man cutting himself shaving.

For the protagonists, the low "viral burden"—that is, the amount of "HIV DNA" in cells—was a fact that no one, not even Gallo, could satisfactorily reconcile with an immunity-destroying pathogen killing gay men within a year or two of diagnosis. However, rather than addressing this as a scientific problem warranting dialogue with someone known to have considerable knowledge of the subject, Duesberg's questions antagonised Gallo to the point where he refused to discuss the matter. Meetings con-

vened to deal with the uncomfortable implications of Duesberg's paper were suddenly cancelled at the highest level.

In 1989, Duesberg presented further argument.⁴ HIV does not fulfil the postulates that 19th century bacteriologist Robert Koch had developed to prove a microbe causes a disease. These four postulates are: (a) the organism must be present in all cases of the disease; (b) it must be grown and then isolated in pure culture from the cells of individuals with the disease; (c) it must reproduce the disease when introduced into a susceptible host or experimental animals, (d) from where it must once again be recovered.

According to Duesberg: "From every angle, HIV fails Koch's first postulate." The second postulate was fulfilled but only by subjecting cells to drastic chemical manipulation that did not approach conditions *in vivo*. (Eleopulos has argued how basic retrovirology has long shown that oxidation which prevails in HIV/AIDS patients and their cell cultures creates internal [endogenous] retroviruses in cells whose DNA was not previously infected from the outside.^{12, 14, 15, 74, 75} One percent of human DNA, that is, an amount 3,000 times larger than "HIV" DNA, is made up of endogenous retroviral

DNA.⁷⁶)

The third postulate failed because, as Duesberg points out: "During the past decade, more than four hundred thousand AIDS patients have been treated and investigated by a thousand of five million medical workers and AIDS researchers, none of whom [has] been vaccinated against HIV... But ten years later there is not even one case in the scientific literature of a health worker who ever contracted presumably infectious AIDS from a patient... AIDS is not infectious." Similarly, "nine years after the NIH first started infecting chimpanzees with HIV—over 150 so far at a cost of \$40,000–50,000 apiece", all "are still healthy".^{5*}

In 1992, Duesberg shifted focus from HIV to argue that "AIDS [is] acquired by drug consumption and other noncontagious risk factors".⁵ Apart from illicit and recreational drugs, Duesberg's list included the first "anti-retroviral" drug, zidovudine (AZT). In other words, a specific treatment for HIV infection was postulated to be a cause of AIDS.

Gallo's data, which still remains the best of its kind, does not prove the existence of HIV and, even if it did, nowhere in the papers is there proof that HIV causes AIDS.

Duesberg continued to regard HIV as bona fide, but as an inert, harmless "passenger" virus linked to AIDS only through the kinds of activity associated with drug taking (including taking of prescribed drugs). Duesberg, like others before him, pointed to the epidemiological data revealing a 50-fold difference in the AIDS "attack rate" between various groups of HIV-positive individuals, as well as the proclivity of certain AIDS diseases for particular risk groups. Thus, 50 per cent of HIV-positive blood transfusion recipients develop AIDS within one year (but so do 50 per cent of HIV negatives) compared to 1 per cent of haemophiliacs. Kaposi's sarcoma was, for all intents and purposes, confined to gay men.^{5,13,77} Thus, even if HIV were necessary to cause AIDS, it could not be the only factor. However, accretion of "co-factors" to the HIV theory rendered the significance of any particular factor problematic. It was possible to argue that HIV may be only a minor factor or, at least in the minds of Eleopulos and Duesberg, not a factor.

Apparently, the role of HIV was also a problem for Montagnier. Although he wrote in *Nature* in December 1984 that "all available data are consistent with the virus being the causative agent of AIDS",⁷⁸ in 1985 he expressed an opinion impossible to reconcile with the HIV theory. "This syndrome occurs in a minority of infected persons, who generally have in common a past of antigenic stimulation and of immune depression *before* LAV [HIV] infection",⁷⁹ that is, cause after effect (italics ours). One must surmise that, within a year, the discoverer of HIV was already hedging his bets. His recent interview with the investigative journalist Djamel Tahi⁶¹ (see below) fuels such speculation.

ELEOPULOS AND THE PERTH GROUP

Eleni Papadopulos-Eleopulos' AIDS research began in 1981. In May 1986, she submitted for publication a paper which refuted every step in the HIV theory, including HIV itself. She also proposed an alternative, non-viral theory (of which "Duesberg's" "Drugs/AIDS hypothesis" is a subset), and predicated non-toxic and relatively inexpensive treatments.

Her theory was based on a general theory of cellular functioning, which she had formulated in the 1970s as a basis for unravelling the genesis and improving the treatment of cancer and to offer fresh insights into the pathogenesis of cardiovascular diseases and ageing. Eleopulos postulates that normal cellular functioning is determined by the level and oscillations of cellular redox²³ (oxidation and its chemical opposite, reduction). In her view, when oxidation is prolonged or excessive, cells become abnormal, injured and susceptible to diseases.

Eleopulos had noticed a link between the risk groups. Gay men, drug users and haemophiliacs are exposed to chemical stressors in the form of semen, nitrites, illicit drugs and factor VIII (the blood-clotting protein missing from and administered to haemophiliacs). There is abundant evidence that these substances are potent cellular oxidants.¹² In Eleopulos' view, oxidative stress produces low numbers of T4 cells and AIDS, as well as the

phenomena inferred as proof for the existence of HIV.

The ready acceptance of the Montagnier/Gallo 1983/84 *Science* papers posed enormous difficulties for Eleopulos in having her work published. Thus, "Reappraisal of AIDS: Is the oxidation caused by the risk factors the primary cause?" was twice rejected by *Nature*, eventually finding light of day in *Medical Hypotheses*, twelve months after Duesberg.¹² However, the editor of this journal had also rejected the paper, only recanting after Eleopulos worked for several months to convince him that equatorial Africa was not in the grip of an epidemic of sexually transmitted immunodeficiency and thus not in breach of her theory.^{11, 24, 63, 80}

To paraphrase the theoretical physicist Stephen Hawking: wrong predictions affirm bad theories; correct predictions make them powerful. The HIV theory requires that HIV causes all the AIDS-defining diseases and predicts that HIV/AIDS will become a global epidemic via the oldest and most unstoppable of all

human activities. However, Kaposi's sarcoma, one of the two diseases for which the HIV theory was proposed, is no longer attributed either directly or indirectly (via AIDS) to HIV.^{12, 13, 54, 77, 81***}

In the OECD countries, the prediction of a sexual pandemic has failed completely. For example, as of the beginning of 1998, 93 per cent of the cumulative deaths from AIDS in Australia occurred in the original risk groups, that is, gay/bisexual men, drug addicts and haemophiliacs. This observation fits the classic demographic profile of non-infectious diseases such as pellagra, beri-beri and scurvy which characteristically remain confined to their risk groups. All are caused by vitamin deficiencies, but in the past were regarded as infectious and sufferers were shunned and quarantined.

The HIV protagonists also predicted a curative vaccine by the end of 1986 and an animal model to prove the HIV theory beyond all doubt. Neither prediction has been fulfilled. A vaccine is not envisaged until well into the next century, possibly around 2010, and animals given "HIV" do not develop AIDS.

On the other hand, the Eleopulos oxidative stress theory predicts the current demographic data, an *apparent* loss of T4 cells, the risk from passive anal intercourse in both sexes, HIV positive and AIDS patients being oxidised relative to normal individuals, the amelioration of HIV/AIDS by the use of antioxidants, and a non-infectious animal model. Every one of these predictions has materialised. Oxidative stress is well established by hundreds of papers,^{14, 62, 82-84} so much so that in the early 1990s the Pasteur Institute was advertising international scholarships for study into the phenomenon. In fact, last year Luc Montagnier became the principal editor of a 558-page book devoted to oxidative stress in cancer, ageing and AIDS.⁸⁵

The Eleopulos theory predicts that a decline in T4 cells can occur without cellular death. In fact, according to the Perth group, there is no evidence to support the notion that T4 cells are dead or that "HIV" kills such cells. In T4 cell cultures, the same number of T4 cells "disappear", regardless of whether one adds

The HIV theory requires that HIV causes all the AIDS-defining diseases and predicts that HIV/AIDS will become a global epidemic via the oldest and most unstoppable of all human activities.

"HIV" or merely the chemical stimulants obligatory to "grow" the "HIV".⁸⁶ Neither is there proof that low numbers of T4 cells are either necessary or sufficient to produce the clinical syndrome.^{9,12,14} This is a view recently expressed by leading HIV/AIDS scientists such as Dr Arthur Anderson from the US Army Medical Research Institute of Infectious Disease⁸⁷ and Dr Zvi Grossman at the University of Tel Aviv.⁸⁸

In other words, the central tenet of the HIV theory—virus-induced killing of immune cells leading to AIDS—is now being questioned by HIV/AIDS experts themselves. Nonetheless, and despite so much evidence to the contrary, the orthodox view remains entrenched. In fact, since 1993, the low number of T4 cells has been enshrined in the 1993 CDC AIDS definition whereby AIDS can be diagnosed without a disease. Just as "co-factors" were proposed to rescue the HIV theory in the mid 1980s, in July 1998 Chen and colleagues from the UCLA AIDS Institute, School of Medicine, Los Angeles, reported evidence that "naturally non-infectious virus" or virus "rendered defective" by "anti-HIV" drugs could still contribute to the loss of T4 cells throughout the course of HIV disease.⁸⁹ In other words, "alive" or "dead", HIV causes immune deficiency. Such a proposal does not augur well for the use or continued development of "anti-HIV" drugs.

Consistent also with the Eleopulos oxidative stress theory is the direct relationship between high frequencies of passive anal intercourse and the development of AIDS, as well as the fact that the only animal model of AIDS is non-infectious. Mice repeatedly injected with foreign cellular proteins develop a dramatic depletion of T4 cells and Kaposi's sarcoma-like tumours, and "abundant" retrovirus-like particles appear in their spleens.⁹⁰ Thus AIDS diseases are followed by the production of retrovirus-like particles, and not the other way around.

To the uninitiated this may seem perplexing, but it is well recognised that retroviral particles appear *de novo* in cell cultures not previously infected, because all cells contain retroviral information carried in the germ line DNA.⁷⁶ Indeed, according to distinguished retrovirologists such as Weiss and Temin, new retroviral DNA arises by rearrangement of cellular DNA, caused by many factors including pathological processes—a view that concedes retroviruses an effect and not the cause of diseases.^{74,75}

THE RISE AND FALL OF "ANTI-HIV" DRUGS

It would take a second article to discuss AZT and the many other "anti-HIV" drugs. Suffice it to say there is no scientific proof that such drugs kill "HIV" or cure AIDS, but there is ample evidence they are harmful.^{1,53,56,91}

In 1994, a double-blind randomised comparison of two policies of AZT treatment (immediate and deferred) was reported (the Concorde trial). This involved 1,749 symptom-free, HIV-infected individuals from centres in the UK, Ireland and France. The 347 clinical endpoints (AIDS and death) outnumbered the total of those in all other published trials in symptom-free and early

symptomatic infection. The results showed "there was no statistically significant difference in clinical outcome between the two therapeutic policies".⁹² In 1995, extended results of Concorde showed a significant increased risk of death among the patients treated early.

However, despite these data, despite disclaimers that patients treated with AZT may continue to develop the AIDS diseases, that the side effects of AZT may mimic AIDS, and that AZT given to non-HIV-infected babies causes the AIDS-defining pneumonia, PCP,⁹³ AZT continues to be the most commonly prescribed anti-HIV drug.

Dr Donald Abrams, Professor of Medicine and Director of the AIDS program at San Francisco General Hospital, said: "I have a large population of people who have chosen not to take any anti-retrovirals... I've been following them since the very beginning... They've watched all of their friends go on the antiviral bandwagon and die."⁹⁴

Indeed, even an elementary study of the pharmacological literature reveals that AZT cannot be an anti-HIV drug; it is toxic to all cells.⁹¹ In fact, what unites long-term survivors of AIDS is their resolve *not* to take "anti-retrovirals".⁹⁵⁻⁹⁷

In mid-1996, the latest drugs, the "protease inhibitors" (PIs), were introduced. These are prescribed as one of up to 250 possible combinations of "cocktails" with AZT or similar drugs as "highly active anti-retroviral therapy" (HAART). Detailed data on these drugs, of the kind usually reserved for medical practitioners, appear regularly in glossy, multi-page advertisements in gay men's magazines.

At the July 1996 11th International AIDS Conference, *Time* magazine Man of the Year David Ho predicted that scientists would "find new drugs to wipe HIV out of the body within three years, possibly within just one".⁹⁸ At the July 1998 XIIth AIDS conference, Ho stated it will take at least 10 years of intense combination drug therapy to kill off all the HIV in an infected person's body, but that a sizeable percentage of HIV patients will never get close. Many patients cannot tolerate the untoward effects of these

"cocktails", and measurements show that the DNA "viral" burden does not decrease significantly.⁹⁹⁻¹⁰² According to Kaufmann et al.: "49% of people taking HAART, who were followed by the Swiss HIV Cohort Study, did not have viral suppression, and similar data are emerging from other centres."¹⁰³

In the May 1998 Proceedings of the National Academy of Sciences, Dr William Paul, former Director of the National Institutes of Health's Office of AIDS Research, wrote: "...no matter how long a person is treated with anti-HIV drugs, there will always be new viruses...you will have to be treated forever... No one is getting cured... This bodes extremely poorly for combination therapy as something curative..."¹⁰⁸

Dr Michael Saag, at the University of Alabama, Birmingham, USA, is responsible for the treatment of over 1,000 AIDS patients. His treatment is state-of-the-art and his clinic is sought-after by pharmaceutical companies to conduct trials on their

... the central tenet of the HIV theory — virus-induced killing of immune cells leading to AIDS — is now being questioned by HIV/AIDS experts themselves.

newest compounds. In a recent interview, Dr Saag said: "Perhaps the biggest difference between the cure paradigm and whatever paradigm we're in now is, we now should expect failure with whatever [HAART cocktails] we first use. We should plan on it. We should prepare for it. Clinicians should expect failure." Saag warns the HAART "'dam' is already leaking and there's high danger of it collapsing altogether. Failures are occurring right and left." Speaking about his dying patients: "They aren't dying of traditionally defined AIDS illness... I don't know what they're dying of, but they are dying. They're just wasting and dying... It is sobering...while we are making good guesses, they are just guesses. We don't know what we are doing."¹⁰⁴

Given the toxicity of these drugs, it is unlikely anyone can tolerate taking them for more than a few years. If this outlook is gloomy for HIV/AIDS sufferers, it is even worse considering there is no substantial, alternative therapeutic strategy anywhere on the horizon.

The futility of all "anti-HIV" drugs, past, present and future, is best highlighted in a June 1998 interview by Dr Harold Varmus, Nobel Laureate retrovirologist and Director of the National Institutes of Health: "Trying to rid the body of a virus whose genome is incorporated into the host genome may be impossible."¹⁰⁵

THE DEMISE OF SCIENTIFIC DEMOCRACY

The longevity of the HIV theory has been considerably boosted by the virtual refusal of editors of leading medical journals to publish any material which takes HIV to task. Without these data, and the stamp of approval engendered by such publication, it is almost impossible for the debate to reach the ears of those who matter the most: clinicians and their patients. Like generals directing wars, the remoteness of editors begets an objectivity which, while essential to clear thinking, militates against an appreciation of the profound responsibilities editors hold at the bedside.

Ultimately, although the HIV theory is manifoldly problematic, physicians, patients, relatives, politicians, journalists and the tax-

paying public are systematically denied knowledge of its existence and substance. Not only is there a total absence anywhere of a disinterested, adjudicated debate, but individuals, whose only motivation is to contribute to solving a disease claimed to afflict millions of people, find themselves censored. For example, Sir John Maddox, former editor of the world's most prestigious science journal, *Nature*, denied Duesberg the right of reply on issues he raised because his views give "many infected people the belief that HIV infection is not in itself the calamity it is likely to prove".²⁹ Yet, in a recent edition of the same journal, but in another context, there is a claim that "the voice of sceptics may grow tiresome, but the mainstream is in trouble if it cannot win a public debate with them".

Officials at the Berlin 10th International AIDS Conference confiscated Dutch AIDS analyst Robert Laarhoven's press pass and threatened him with expulsion from Germany for "criminal trespass" because he placed copies of the dissident journal *Rethinking AIDS* on an "unauthorised" table.

Nature has repeatedly rejected every paper and letter submitted by Eleopulos and her colleagues since 1986, without providing a single scientific reason and invariably citing space constraints in the journal. Not even the profound implications of the Tahi/Montagnier interview are of any apparent concern to *Nature*. Professor John Kaldor, one of Australia's foremost "established experts" on AIDS, admits that dissidents "intersperse their cases with grains of fact".¹⁰⁶ However, because of Kaldor and colleagues' "strong instinct not to dignify the sceptics' arguments by attempting to refute them", arguments based on these "grains of fact" and many other data remain unanswered and unresolved.

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Editor's note:

The second part of this article will examine the many scientific problems with the HIV theory of AIDS.

Continued next issue of NEXUS...

Endnotes

* US journalist Christine Johnson's interview (now available in six languages) with the leader of the Perth group was reviewed by scholar and international gay media personality Professor Camille Paglia in her column in the US *Salon* magazine (28 October 1997): "For a superb critique of the scandalously overpoliticized scientific research on AIDS, see Christine Johnson's long interview with Australian biophysicist Eleni Papadopoulos-Eleopulos in the new issue of the British AIDS magazine, *Continuum* [vol. 5, no. 1, autumn 1997]. The American major media have effectively suppressed longstanding questions about whether the AIDS test is reliable or whether an HIV virus in fact exists at all."

** On 5 May 1998, two US Republicans said they were exploring ways to give a comfortable retirement to 1,500 chimpanzees that were bred for AIDS research. Accompanied by primate expert Jane Goodall, House Speaker Newt Gingrich and Rep. Jim Greenwood (R-Penn.) said they were working on a bill to set up sanctuaries for the chimps. The chimps, bred in the United States specifically for

AIDS research, did not turn out to be the effective models that scientists had anticipated. With no research use, the primates that are man's closest cousins are languishing in cages at an annual cost of US\$7.3 million.

*** In 1988, Eleopulos' paper that HIV does not cause Kaposi's sarcoma was thrice rejected by the *Medical Journal of Australia* on the advice of an "established expert". The reviewer stated: "The author tries to argue that Kaposi's sarcoma cannot be caused by HIV infection, and that therefore AIDS is not due to HIV infection. The arguments put forward by the author are quite unsatisfactory, and are not supported by even a desultory reading of the literature quoted. In addition, the author fails to examine the body of epidemiological, immunological and cellular literature concerning the pathology, pathogenesis and clinical associations of this fascinating manifestation of HIV infection." Yet this is the very "epidemiological, immunological and cellular literature" which eventually led the "established experts" to accept that "this fascinating manifestation of HIV infection" is not caused by HIV infection.

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THE UNIFIED THEORY OF MATTER

According to this theory, all matter consists of spinning particles of the same size, whose spin velocity determines the state of matter that the particles take.

by Samuel P. Costin © 1999

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Is it possible that the structure of matter is more simple than we think, that one simple model can explain all of Nature as we know it? As an observer of Nature, one may marvel at its beautiful simplicity. When one observes Nature, it becomes apparent how the simple structure is replicated at finer and finer detail. For example, the structure of a tree is duplicated in the limbs, the branches, the twigs, the leaves and even the veins of a leaf.

This repetition of structure may be observed throughout nature. If this repetition were applied to matter at the tiniest particle level, how would the laws of Nature fit? Physicists believe that the atomic world resembles the astronomical Universe in miniature. They propose planetary atoms consisting of electrons orbiting around a nucleus. At its most basic level, however, the Universe consists of spherical, spinning bodies such as stars and planets.

Could matter consist entirely of continuously spinning spherical bodies? Would any of the laws of physics be relevant to such a structure? I have been researching this question for several years and have found to my surprise that all the laws of physics appear to be explained by this one very simple structure. Experimental physics results also appear to confirm this very simple concept.

The acid test for any theory is its confirmation by experimentation. Since its inception over one hundred years ago, the electron theory has been continually changed to make it fit the experimental results. At present state, the nucleus is now believed to consist of 11 basic particle types and the number is predicted to keep growing.

This theory proposes simply that all matter consists of spinning particles which are the same size. The spin velocity will dictate the state of matter which the particles will take. To describe this in line with conventional practice, the spin velocities could be divided up into bands which we will call "elements" (see table 1). Also, forces such as electromagnetism, gravity, electricity or even heat may be easily explained in terms of particle spin.

Particles of common spin velocity will form a group or mass of that element—a piece of iron, for example. The particle spin velocity (PSV) in this group is maintained by the momentum of the particles that surround it. As may be seen in figure 1, if one particle spins, the adjacent particles will be caused to spin in the opposite direction. The result is matter in perfect symmetry, with an equal number of anticlockwise-rotating particles (perhaps negatively charged) and clockwise-rotating particles (therefore positively charged).

In its natural state, matter consists of particles spinning at a constant velocity. If something causes the particles to accelerate, then electromagnetism will occur. Hertz described this very well with his spectrum of electromagnetism (see figure 2). The states of electromagnetism are directly related to particle spin acceleration.

A NEW SPIN ON LIGHT

Light consists of regions of particles whose spin velocity has been accelerated to the visible light spectrum. Light is only one of many states of matter whose spin may be accelerated. For example, a beam of light may consist of a stream of atmospheric particles accelerated to the visible light spectrum. As with any stream, the particles in the centre would be spinning fastest. Due to the influence of the unaccelerated particles at the edges of the beam, the spin velocity slows down away from the centre. As a result, if the stream is expanded with a prism, the colours of the visible light spectrum will be observed (see figure 3).

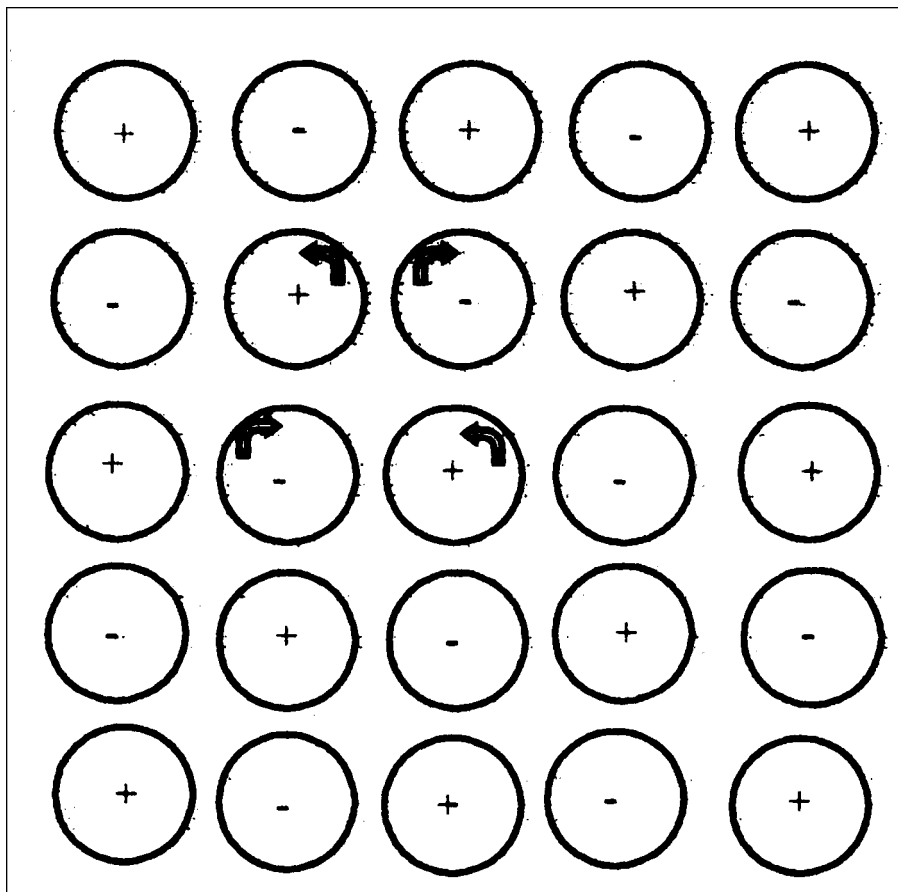


Figure 1. All matter consists of a sea of particles whose direction of spin determines their charge.

Einstein, in 1905, noticed that electricity could be measured in the reflection of light off a metal surface. He believed that the light must be pushing electrons out of the metal. This cannot be the case, however, as it is known that long-term exposure to light does not cause any change in the metal's atomic structure. In accordance with this theory, Einstein's experiment indicated a direct relationship between the many forms of electromagnetism.

are exposed to such a strong discharge. If each spectrum is a signature of PSV, then the 4x relationship found by Fowler is indicative of accelerated particle spin when an electrical discharge is effected.

As stated previously, an element consists of particles with common spin velocities. Electricity results when a significant difference in particle spin is caused to exist within such an element.

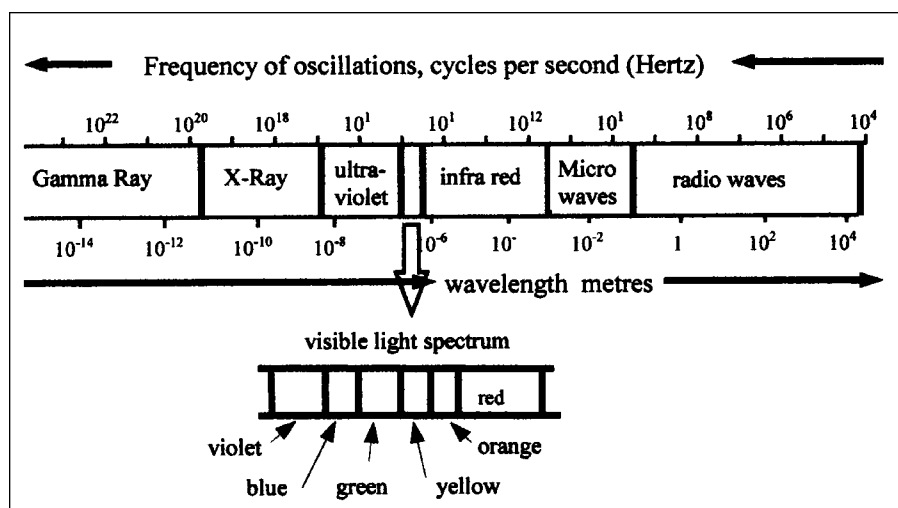


Figure 2. The spectrum of electromagnetic waves, running from radio waves at very long wavelengths (very low frequencies) to gamma rays at very short wavelengths (very high frequencies).

Matter consists not of particles acting alone, nor of waves of mysterious energy. All matter consists of a sea of spinning particles acting in influence of each other. Hence, when Einstein measured an increase in voltage at the angle of incidence to the beam of light, he was in fact measuring particle spin acceleration (see figure 4).

So far it has been stated that the atomic mass of the elements, light and even electricity are all due to particle spin. For this theory to be correct, there must be a direct relationship between these factors.

Physicist Neils Bohr demonstrated that a direct relationship exists between the atomic weight of the elements and their X-ray spectra. In fact, this relationship proved so simple that it became possible to fix, without ambiguity, the atomic number to all elements.

In the visible light spectrum, Rydberg succeeded in tracing a general relationship between the hydrogen spectrum and the spectra of other elements. This relationship of the elements with the hydrogen spectrum and the atomic weight leads one to regard each separate electromagnetic spectrum as a signature of the spin velocity of a particle in the accelerated state.

When the spectra, for which Rydberg's laws hold, are excited by means of electric discharge, they are often called the "spark spectra". Fowler found that the Rydberg constant is multiplied by four when particles

are exposed to such a strong discharge. If each spectrum is a signature of PSV, then the 4x relationship found by Fowler is indicative of accelerated particle spin when an electrical discharge is effected. Potential difference (voltage) is defined therefore as the difference in spin velocity between the particles in a body. Two common examples are electricity flow through a length of copper wire and a lightning flash in the atmosphere.

The same effect can be reproduced as static electricity when low PSV materials (such as textiles) are rubbed together, creating an acceleration of particle spin on the surface of the object. This effect is very weak, however, and the spin velocity of the adjacent particles soon brings the accelerated particles back to normal spin velocity.

WAVE-PARTICLE DUALITY

In the 1890s Max Planck noticed hints, in the shape of the spectrum of light emitted by very hot objects, that something might be missing in our understanding of light, for light appeared to travel both as particles and as waves. This observation creates a serious

problem for conventional physics, as it has been established that energy travels as projectiles called "electrons".

To investigate this problem, quantum physicists developed an experiment using two slits in a wall. To illustrate the effect of particles, a series of marbles or bullets was projected in a stream towards a screen in which there were two parallel slits (see figure 5, board 1). On the other side of the screen was a device which monitored the path of the projectiles.

Firstly, one slit was opened, then the other, followed by both slits at once. The distribution is recorded at figure 5, board 2. The recording with each slit opened individually is seen at board 3, with the combined effect seen at board 4. The distribution of the positions may be seen on figure 5(a).

Next, the experiment was repeated with water to simulate wave action, the results of which are at figure 5(b).

Finally, the experiment was repeated by shining a beam of light through a slit. The array of sensors consisted of both photographic plates and electronic sensors. The conventional theory of matter proposes particles called "electrons" being fired through the slit. As may be seen in figure 5(c), however, these "particles" acted as waves. This contradiction of the current theory has not been resolved by conventional physics to this day.

In contrast, the outcome of the experiment fits very well with this theory. When a beam of energy is directed at the slits, it presents as waves of accelerated particle spin, travelling through a sea of particles.

MASS AND DENSITY

Einstein predicted in 1915 in his general theory of relativity that rotating bodies generate a kind of gravitational force—the gravitomagnetic force—by virtue of their rotation.

The faster a particle is spinning, the greater its attraction to other particles. Hence, not only does particle spin determine the atomic weight of a single particle, but it also dictates the distance between particles (density). For this reason, elements of high atomic weight also have high densities. Essentially, the faster PSV holds a solid mass together in a sea of slower-spinning atmospheric particles.

GRAVITY

By this theory, particle spin velocity (PSV) increases the closer one is to a body, i.e., planet Earth. For example, our atmosphere has a higher density nearer the Earth, reducing to a vacuum pressure out in space. Density is an indicator of particle spin.

Any object descending towards the Earth will therefore encounter increasing PSV surrounding it. The surface of that object which is closest to Earth will always experience the fastest PSV. Attraction between particles increases with spin velocity. Therefore the object will be 'attracted' towards Earth, since this is the direction in which the fastest particle spin occurs (see figure 6).

This theory may be easily tested by accelerating the particle spin around an object. If this theory holds true, the rate of fall of an object should be slowed if an electric charge were applied to that object during free-fall. The greatest (albeit small) effect would be achieved with an AC or pulsed DC charge.

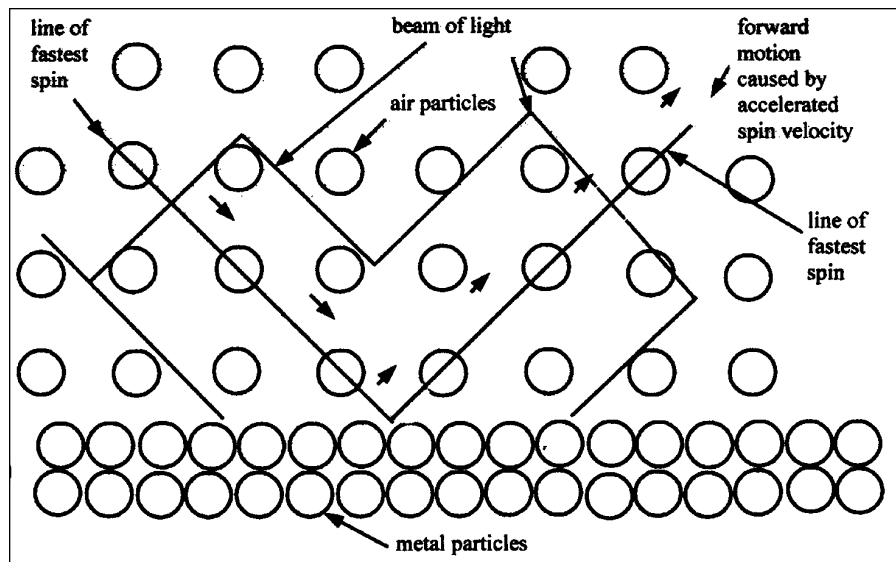


Figure 4. Einstein measured an increase in voltage at the angle of incidence to the ray of light.

MAGNETISM

The scale of atomic weights (AW) gives names to particles of stable spin velocity (elements). It is graduated in order of increasing spin velocity. The state of matter changes from a gas to a solid as the particle spin increases. As a solid, spin velocity continues to increase, the particles of the solid being drawn closer together.

As the PSV increases to AW58 (iron), the forces between particles increase and the distance between particles decreases. At about this point, if the PSV is accelerated for a sufficient period of time, all particles within the mass will achieve a similar velocity.

When the accelerator is removed, the internal particles will lose their accelerated spin at a very slow rate. The result will be a permanent magnet, as the particles in the mass are in a state of very slow spin deceleration. It is this deceleration that dictates the orientation of the north and south poles. Change the deceleration to acceleration and the poles will reverse. This may be observed in electromagnets and also in the Earth as it goes through changes in its internal particle spin.

OXIDATION

Continue not very far up the table of elements to AW63 (copper). The degree of forces and distances between the particles now inhibits the maintenance of the very-long-term

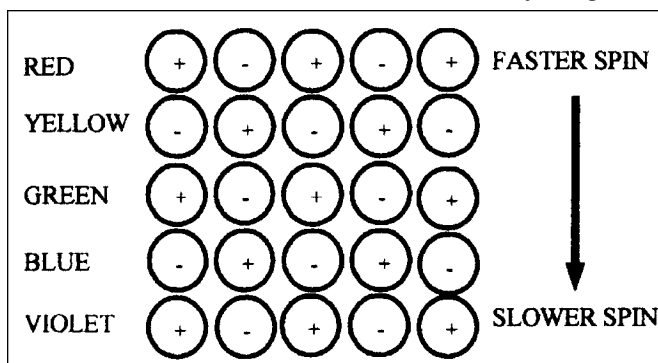


Figure 3. A beam of light is a stream of particles with accelerated spin velocity. The particles in the centre of the beam are spinning faster than the particles on the outside. This is seen by the spectrum of visible light colours through the beam.

ATOMIC NUMBER	ATOMIC WEIGHT	ELEMENT	ATOMIC NUMBER	ATOMIC WEIGHT	ELEMENT	ATOMIC NUMBER	ATOMIC WEIGHT	ELEMENT
1	1.00794	Hydrogen	37	85.4678	Rubidium	73	180.9479	Tantalum
2	4.0026	Helium	38	87.62	Strontium	74	183.85	Wolfram
3	6.9410	Lithium	39	88.9059	Yttrium	75	186.207	Rhenium
4	9.0122	Beryllium	40	91.22	Zirconium	76	190.20	Osmium
5	10.81	Boron	41	92.9064	Niobium	77	192.22	Indium
6	12.011	Carbon	42	95.94	Molybdenum	78	195.08	Platinum
7	14.0067	Nitrogen	43	14.0067	Technetium	79	196.9665	Gold
8	15.9994	Oxygen	44	101.07	Ruthenium	80	200.59	Mercury
9	18.9984	Fluorine	45	102.9255	Rhodium	81	204.383	Thallium
10	20.179	Neon	46	106.42	Palladium	82	207.2	Lead
11	22.98977	Sodium	47	107.8682	Silver	83	208.9804	Bismuth
12	24.305	Magnesium	48	112.41	Cadmium	84	(209)	Polonium
13	26.98154	Aluminium	49	114.82	Indium	85	(210)	Astatine
14	28.0855	Silicon	50	118.69	Tin	86	(222)	Radon
15	30.97376	Phosphorus	51	121.75	Antimony	87	(223)	Francium
16	32.06	Sulfur	52	127.68	Tellurium	88	226.0254	Radium
17	35.453	Chlorine	53	126.9045	Iodine	89	227.0278	Actinium
18	39.948	Argon	54	131.29	Xenon	90	232.0381	Thorium
19	39.0983	Potassium	55	132.9054	Caesium	91	231.0359	Protectinium
20	40.08	Calcium	56	137.33	Barium	92	238.0289	Uranium
21	44.9559	Scandium	57	139.9055	Lanthanum	93	237.0482	Neptunium
22	47.88	Titanium	58	140.12	Cerium	94	(244)	Plutonium
23	50.9415	Vanadium	59	140.9077	Praseodymium	95	(243)	Americium
24	51.996	Chromium	60	144.24	Neodymium	96	(247)	Curium
25	54.9380	Manganese	61	(145)	Promethium	97	(247)	Berkelium
26	55.847	Iron	62	150.36	Samarium	98	(251)	Californium
27	58.9332	Cobalt	63	151.96	Europium	99	(252)	Einsteinium
28	58.69	Nickel	64	157.25	Gadolinium	100	(257)	Fermium
29	63.546	Copper	65	158.9254	Terbium	101	(258)	Mendelevium
30	65.38	Zinc	66	162.50	Dysprosium	102	(259)	Nobelium
31	69.72	Gallium	67	164.9304	Holmium	103	(260)	Lawrencium
32	72.59	Germanium	68	167.26	Erbium	104	(261)	(Unnilquadium)
33	74.9216	Arsenic	69	168.9342	Thulium	105	(262)	(Unnilpentium)
34	78.96	Selenium	70	173.04	Ytterbium	106	(263)	(Unnilhexium)
35	79.904	Bromine	71	174.967	Lutetium			
36	83.80	Krypton	72	178.49	Hafnium			

Table 1. The table of Standard Atomic Weights. The Atomic weight of an element is a product of the base mass of all matter (which is constant) and the particle spin velocity. It is therefore variable as it depends entirely upon the particle spin environment in which it is measured.

accelerated spin associated with magnetism. Hence, most of the change in spin velocity will occur at the surface.

The influence of the adjacent slower-spinning atmospheric particles slows down the spin velocity of the surface copper particles, resulting in oxidation. The acceleration of the air particles is negligible.

RADIATION

At faster spin such as AW87 (strontium), the effect on the strontium particles is still oxidation; however, the effect on the surrounding air particles is greater. The spin velocity of the air particles has now accelerated, resulting in radiation.

Radiation is the acceleration by a body of the spin velocity of the surrounding particles. This may be seen as in figure 7, showing the radiation from a sample of AW226 (radium) that was observed on the surrounding air.

It is important at this point to reiterate that when referring to these effects, it is the degree of particle spin acceleration which has more effect, rather than the final spin velocity.

THE CROOKES TUBE EXPERIMENT

The principles described so far may be very well illustrated by the Crookes tube experiment. Crookes introduced an electrical charge of 10,000 to 15,000 volts AC from an induction motor into a long glass tube, 4 cm in diameter and 150 cm long, which was filled with a gas. As he lowered the pressure in the tube, colours formed inside. These colours changed as the pressure was reduced.

The electrical charge accelerated the particle spin. Normally this would appear as a spark as the acceleration is conducted through the gas particles. When the pressure inside the tube is reduced, however, the distance between the particles increases and this spin acceleration will not be so easily conducted. Hence we will not see a spark, but, instead, we will see the colours

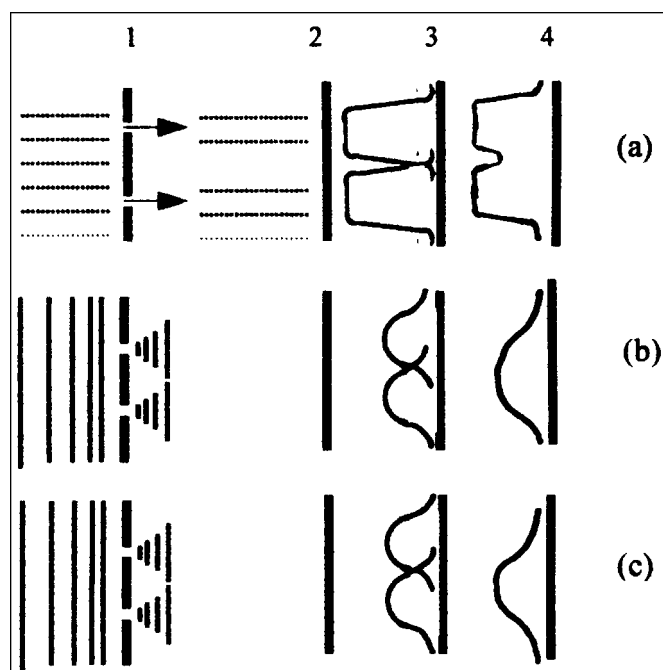


Figure 5. The slit experiment showed that energy travels in waves, not particles. This theory proposes that energy travels in waves of accelerated particle spin. Hence, the flow of energy may be more accurately simulated by waves through water than by the firing of a bullet.

associated with reducing particle spin the further away the effect is from the source.

SUMMARY OF THE CROOKES TUBE EXPERIMENT

- The PSV frequency at the right-hand side is greater than visible light, reducing away from the charge point. PSV frequency at the left-hand side is in the violet spectrum, also reducing from the charge point.

- The gas PSV reduces as the distance from the two sources of thrust increases. The violet striations result as the particles lose their spin in groups without thrust from the particles of the adjacent striation.

- Eventually the violet striations slow down to the blue frequency in which a transparent spectrum exists. Localised accelerated spin velocity continues to occur at the charge points in the violet frequency.

- The spin velocity at the charge points remains constant due to conduction between the particles of the metal and the adjacent air particles. The drop of PSV in the tube continues down through blue, green, yellow to orange and red.

- The tube will now become transparent again as the PSV slows below the visible light frequency. The spin velocity at the charge points remains constant. However, the gas PSV in the tube has slowed to less than the green visible light frequency.

EXPANSION

In a body in its natural state, all internal particles are spinning at a constant velocity (neglecting the very slow spin decay that all matter experiences). Their distance apart will therefore be constant.

If the spin of these particles is suddenly accelerated, then the particles will be thrust further apart by the unstable forces around each particle. This will result in an increase in size of the body. For example, electrify the air between two sheets of metal and the air will expand, forcing the two sheets apart. Cut the current and the air PSV returns to normal, causing the sheets to fall back down (see figure 8). Similarly, raise a body's temperature and it will increase in size. Take the source of spin acceleration away, and spin velocity will return to normal, as will the size of the object.

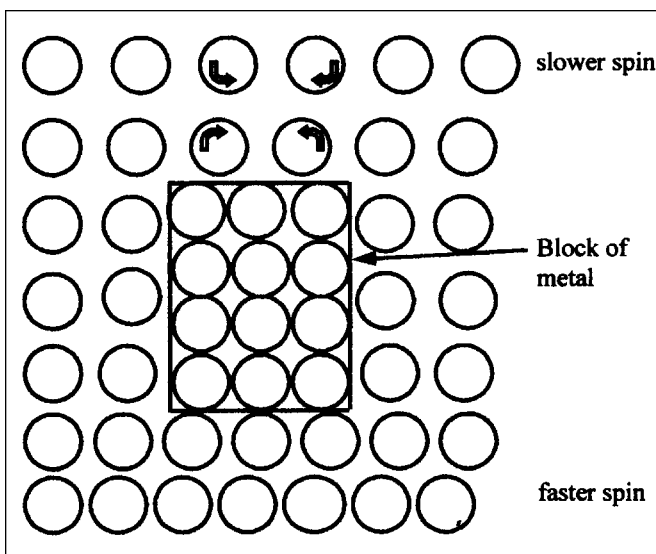


Figure 6. Gravity occurs when a mass of spinning particles is attracted to those surrounding particles that spin fastest. These are the particles nearest the Earth.

PARTICLE ACCELERATORS

Another illustration of this theory is the modern particle (spin) accelerator. A pulse of very high voltage is conducted into a gas at very low pressures in the same way that a Crookes tube works. A sudden acceleration of particle spin is initiated at the source of the pulse. The extremely high acceleration increases conduction between particles.

The particles' spin acceleration occurs in all directions around the source. In one particular direction, the particle spin is further accelerated as it passes through a long gallery of magnets. In modern accelerators a pulse is generated at opposite ends of the gallery, with the spin accelerations meeting at the middle.

Surrounding the collision (influence) point are arrays of electronic detectors. The spin acceleration of the particles around the colliding spins is registered on the arrays as sudden increases in voltage. The particle accelerators therefore are not firing particles like a gun; rather, they are imposing a faster and faster spin on a line of particles in the accelerator.

THE CREATION OF ASTRONOMICAL BODIES

Just as this theory was developed by observing nature at the astronomical scale, so it can be applied back to this level to explain its characteristics.

The Universe consists of groups of extremely-fast-spinning particles (stars and planets) in a sea of very-slow-spinning particles (space). Occasionally the unstable nature of accelerated spin bodies (stars) will result in their destruction (supernova). This will

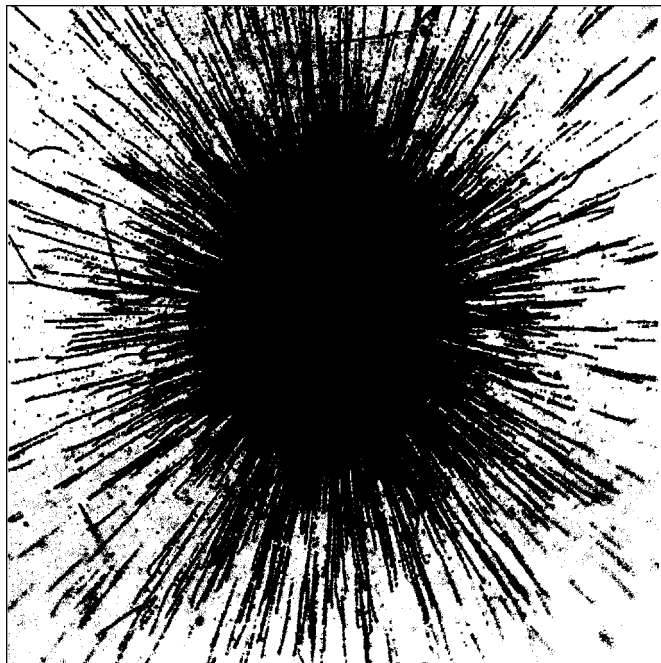


Figure 7. Particle spin velocities are increased in all directions from a speck of radium salt on the surface of a photographic plate covered with a special emulsion. The increased charge of the particles leaves tracks in the emulsion which appear as dark lines on the negative image. The central blob is about one tenth of a millimetre across.

Just as this theory was developed by observing nature at the astronomical scale, so it can be applied back to this level to explain its characteristics.

send waves of extremely fast particle spin throughout space. Should two such explosions occur in close proximity to each other, the joining waves will either cancel each other out or double the spin acceleration of a group. These accelerated particles will cause a chain reaction through acceleration of the adjacent particles, eventually resulting in the formation of a star.

The spin velocity of the space particles surrounding the star will be accelerated far out into space. The same forces that created the star will in turn create bodies (planets) of lesser particle spin around the star. The spin acceleration of these bodies will decrease at a faster rate than the star, due to their slower initial spin and smaller size.

THE FORMATION OF AN ATMOSPHERE

This theory must therefore also hold for the outer regions of the planets themselves. On the surface of a planet, a region of particle spin that is slower than solid and faster than space would exist. As with the solar system, this region would therefore consist of gas, such as with the Earth's atmosphere.

CONCLUSION

This paper is only a very brief introduction to a theory which appears to explain both known physics and phenomena which contradict conventional theory. It appears to achieve this without ambiguity, contradiction or complication. ∞

About the Author:

Samuel P. Costin is a freelance science writer with a qualification in the applied sciences. Over the past few years he has been developing the Unified Theory of Matter, and concludes that it appears to explain the structure of Nature in all her beautiful simplicity.

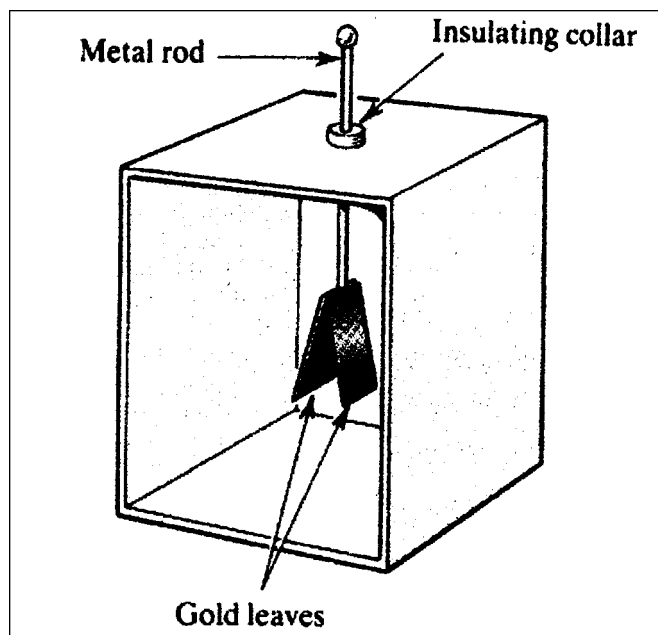


Figure 8. The gold leaf electroscope was one of the earliest instruments used in studying electrical phenomena.

ANIMATED ASH

EDGAR CAYCE'S CANCER REMEDY

*Inspired by the
psychic readings of
Edgar Cayce, this
bio-energetics
researcher is
investigating
Animated Ash for
its promise in
treating cancer.*

by Phil Thomas © 1998

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Cancer: now there's a scary word. It strikes down hundreds of thousands of people each year in the United States alone. It's indiscriminate, it's baffled the best minds on the planet for decades despite virtually unlimited resources at their fingertips, and it's lethal. It's seldom discussed in public because it strikes fear into the heart and soul of social consciousness like no other malady save the black plague, influenza or possibly contemporary HIV.

Where it comes from, nobody knows. How it got here is anybody's guess. And what you do about it, if it happens to show up in your body, usually involves surrendering the body, mind and spirit to a medical slash-and-burn approach, which makes the disease itself seem somewhat palatable.

No one who has been through conventional Western cancer therapy would ever wish it upon their worst enemy. And yet, the beat goes on, one dying patient at a time. Conventional therapy destroys the very immune system which maintains a healthy body in equilibrium. Residing amidst the most highly sophisticated and technological society on the globe, the allopathic community is in agreement: we will attempt to destroy malignant cell growth in the body with radiation and chemotherapy and, when appropriate, remove tumours, glands and organs which have fallen under the siege of this ravenous disease.

And although the natural health community has provided us with precious few beacons of hope in the war against cancer, in general the fear is too great and the price too heavy for the average person to walk away from established treatment. In truth, our patterns of acceptance and denial about this most devastating of conditions are rooted deep within the collective psyche, and few dare to question the monolith in place at the centre of our group cultural being.

Interestingly, I fall into this group. I even take a certain pride in being one of the fold. And it was never my intention to devise a complementary approach to the treatment of cancer. The story becomes more intriguing because I was neither particularly interested in nor educated about the concept of cellular malignancy or the means by which a reversal of such a condition could be derived. In truth, I fell into this study quite by accident. And even now, following more than a year of contemplation and preliminary research, I'm still uncertain as to the potential application of my findings in the everyday world of cancer treatment. But before I get ahead of myself, let's take a look at these fundamentals, to lay the groundwork for further investigations.

THE BIO-ELECTROMAGNETICS OF CANCER

When I say I had no particular interest in the nature of cell malignancy, I mean to suggest that my area of expertise lay elsewhere, and not that I was completely naive about the subject. I knew, for instance, that the Cayce perspective had suggested that there were approximately 20 varieties of cancer, and that the underlying cause was placed squarely on blood cell imbalances, complicated by ineffective or inefficient lymph drainage. Toxicity leading to cell breakdown is, of course, a running theme in the readings.

I came from a background in natural health and during the 1980s pioneered the advent of vibrational medicine by means of the Edgar Cayce Radial Active and Wet Cell applications. I was influenced primarily by the work of three leading researchers, all from conventional medicine: Meg Patterson, the Scottish physician who laid the groundwork for drug interdependence via outside brainwave restructuring; Robert Becker, the American researcher who sought to understand the nature of limb regeneration in frogs and salamanders; and Björn Nordenström, the Swedish radiologist who will probably go down in the

history books as the guy who developed needle biopsies during the 1950s, but whose true passion was reversing field polarity in lung tumours. Each of these great thinkers had a profound impact on my own investigations into the coherence and applicability of the Cayce readings. However, it was Dr Nordenström who triggered my interest in the electromagnetic nature of the cancerous tumour condition. Much later, this ignited my passion to test the format presented in the Cayce readings.

In the Nordenström view of the body, the circulatory system is central to the understanding and treatment of cancer. He theorised that each vein and artery wall carried a tiny electric charge, one on the inside and an opposing charge on the outside of each blood vessel, running in opposite directions. This was a revolutionary explanation of the field properties within the body beyond the central nervous system. I mean, we're talking about cellular breakdown here, for the first time relating to the collapse of magnetic fields. Prior to Nordenström's theory, science had no explanation for such things. As his colleague in New York, Dr Austin, once put it: "This is big stuff!"

Needless to say, now there was a framework by which other researchers could base a theoretical approach to the blood cells' maintenance of homeostasis.

Dr Nordenström went on to write a book about his theory, at considerable personal expense since no publisher could justify the overhead, and he travelled and lectured extensively in his attempt to bring the modern world up to speed. In the end, he was too far ahead of the medical establishment to make any real inroads, and only the Chinese Government was willing to extend an invitation for him to test his supposition further.

Indeed, the idea of breaking up the monostatic charge of the tumour site by inserting probes into the body is foreign to orthodox medicine; only a culture steeped in bio-energetics would be able to grasp Dr Nordenström's tenet.

As brilliant and insightful as Dr Nordenström's work was, I intuited that there was something amiss. Granted, the healthy physical body always gravitates toward a balance of the yin and yang charges, but it seemed to me that the key was in enabling the malignant cell either to die or return to a healthy state of its own volition. The question remained, then: how does a malignant cell inside the tumour site, which by definition holds a single charge, return to a healthy condition?

I was beginning to formulate a theory based on the electromagnetic charge of the tumour site, but I was missing the larger picture. Sure, the tumour site was all charged in one direction, and Dr Nordenström had successfully reversed the condition in several case studies at the renowned Karolinska Hospital in his home of Stockholm. The induced charge had broken up the site, but how did that alter the constituent nature of the unhealthy cell? I knew there must be another fundamental aspect which had been overlooked with regard to the relationship between the cell and the tumour site. I hoped that the Cayce material would shed some light on this dilemma.

INVESTIGATION OF CAYCE'S ANIMATED ASH

I'd spent years prior to this investigation, examining more than a thousand Edgar Cayce readings on each of the bio-magnetic

batteries which were designed to stabilise energy patterns and induce specific vibrations. Consequently, I was both relieved and perplexed by the relatively scant numbers which covered the cancer enigma. Granted, the number of cancer cases has increased exponentially since the Cayce readings first surfaced more than 60 years ago, but seeing only a couple of hundred documents touch on the subject in more than 8,500 health readings revealed the distinct possibility from the outset that this was an area of research which had been only superficially addressed. In constant pursuit of leveraging my advantage, I took this as an opportunity to get quickly to the heart of the matter as I began my review.

Once again, the readings revealed a seemingly simplistic approach for a condition deemed overwhelming by the medical community. Two forms of ash were to be developed for oral ingestion. The first form was referred to as "Animated Ash". Having discussed and recommended this form in the vast majority of the readings dealing with the treatment of cancer, I naturally gravitated in this direction.

It was clear to me that the ash in question was neither animated in the classical sense, nor even an ash—or what would be commonly referred to as an "oxide". (An oxide is a white or grey powder resulting from a carbon having been reduced to an elemental form while being burned in the presence of oxygen.) I discovered this while reviewing the discussion on "Carbon Ash", the companion concept which had not been developed even during Cayce's time.

As there was no discussion about the manufacture of the animated form, I took my cue from the form which had drawn almost all of the attention since its inception by the would-be producers, as Mr Cayce had labelled the Carbon Ash as the one which would prove to be the boon to humanity.

I had the track record of the animated form which had been produced and sold for many years by at least

two different people. I knew that many people had tried these versions without any indication of benefit. I could only assume that either the concept was invalid, or the ash had never been made properly. Apparently, the latter was the case.

The base material for the Animated Ash was bamboo. If my premise was correct, it would be heated in a chamber where a partial vacuum could be established, as was the case with the Carbon Ash. This in turn would create a black carbon which would also carry a dielectric charge as it would be reduced by an intense electrical arc.

My associate and I decided to test the Animated Ash which was available on the market to see if it produced any effect. We both agreed, following independent tests, that it indeed seemed to be inert. In all honesty, I had been through this process previously with the other concepts I had developed from the readings, so I was not terribly surprised by this outcome.

The equipment I needed to produce Animated Ash was relatively easy to acquire. It included a neon transformer, a Pyrex tube with stoppers in the ends to create the vacuum chamber, and a couple of graphite probes which were placed inside the tube, about an inch apart, with wires running from the probes and through the stoppers. All I needed was a couple of wires with alligator clips to connect to either side of the transformer, and I was in business.

He theorised that each vein and artery wall carried a tiny electric charge, one on the inside and an opposing charge on the outside of each blood vessel, running in opposite directions.

A small amount of bamboo was placed between the probes. When I flipped the switch, a dozen miniature lightning bolts jumped the gap and began carbonising and electrifying the bamboo. Within moments, however, the glass tube shattered under the extreme heat. A couple of days later I repeated the process, but this time with a tube made of quartz, or pure silica glass. Twenty minutes later, the first Animated Ash made since the Cayce era was ready.

Almost immediately upon ingestion of the tiny amount specified in the readings, I could feel a light-headed consciousness shift beginning to take place. It was now time to get back into the readings to decipher not only how and when to use it, but also what it would do to the body when it was used.

APPARATUS FOR ULTRAVIOLET ACTIVATION

Of the 125 readings in which Animated Ash was called for, only about half were for cancer cases. In my attempt to cajole from the readings the nature of cellular malignancy, I suspected that the other half must hold a clue to my dilemma.

At first glance, there didn't appear to be any running theme. The illnesses ran the gamut of medical diagnoses, forcing me toward a more generic overview. Pulling up all the readings on the library computer, I meditated as I skimmed the surface of the lines which scrolled across the reflection of my glasses. From the other side I felt Mr Cayce directing my search into the review. I was moving from CD-ROM into non-space-and-time.

It became apparent to me that the smallest unit of self-sufficient life was being deprived of one essential element: oxygen. Even with my limited background, I was aware that the site of the tumour was an anaerobic environment. Now the readings were beginning to open up to me. Animated Ash is an oxygen enabler. The tiny amounts of ingested ash carried high concentrations of pure oxygen into the bloodstream, which within minutes would bond to the tumour site, thanks to the dielectric charge placed upon it during the electrification process. The charge of the carbon particles being the opposite of the site, the Ash would gravitate toward its Polaris twin, effacing the tumour-like scatter-bombs in the desert.

There was one more crucial aspect of the treatment which would complete the cycle: the activation or excitement of the ash once it arrived at its desired location. This particular stimulation would be provided by the use of the Violet Ray, a popular Cayce tool for nerve and blood excitement. For deep tissue activation, the mercury-quartz ultraviolet lamp was recommended. Both of these apparatus were in common use during the Cayce years, and the Violet Ray, a hand-held tool which builds up and rapidly releases a high-voltage, high-frequency charge by means of a Tesla coil and an argon-filled glass bulb, is still available to the public today. The mercury-quartz UV lamp, however, has fallen into obscurity due to the damage countless people experienced from its use during the late 1800s. The principal theory in place, I set out to learn more about the once commonplace ultraviolet lamp.

I discovered that there is quite a large demand for the ultraviolet band of light. It's used in industry for killing bacteria in, for instance, the beer lines of your favourite pub, or for clearing the air with modern air filters. However, what I was in search of was a mercury-fired, quartz glass UV lamp, which turned out to be a very elusive quest. I suspected that the mercury was intended to produce a specific wave characteristic, and the quartz glass would allow this particular band through.

On one of my road trips to the Midwest I stopped by to talk with a sales person at a manufacturing outfit south of Cincinnati. He confirmed my suspicions that the mercury glass did allow through the low end of the spectrum (18-22 angstroms), which with normal glass would be filtered out, and that the mercury did establish certain conditions, but the price for the basic unit would be \$1,500. How fortuitous it was, then, that I happened to bump into an ageing engineer one day who had heard of my interest. He told me that he had one at home which I could have at no cost. The fact that he lived in Philadelphia was no inconvenience to me at all by now.

I was there the following weekend, rum-maging through his basement cluttered with memorabilia from an age gone by. I came across a large metal contraption which looked like an elongated spotlight. "What's this?" I asked. "That's a carbon arc lamp that I salvaged out of an old movie theatre just before they tore it down. Do you want it?" I knew that Mr Cayce's Carbon Ash was produced from a device based upon this very piece of machinery, so I graciously accepted his offer.

I now had in my possession the apparatus on which Mr Cayce had based the development of Carbon Ash, but I never wavered from my original intention to work out the animated form first. Having reviewed the failed attempts of others to produce the elusive carbon form of ash, I was content to start at the beginning.

Having produced the first real Animated Ash since the 1930s, and having as well become the owner of its enabler, a mercury-quartz ultraviolet lamp, I set up the physical environment

which would finally allow me to test the viability of the concept. From the ceiling in my shop I suspended the UV lamp, complete with the specified plate of green glass which would filter out the rest of the colour spectrum. I knew the lamp needed to be 38 to 42 inches from the body, with the green glass 14 to 16 inches from the body, establishing the one-to-three ratio specified in each reading in which the UV lamp was suggested. This was the identical sine-wavelength which Mr Cayce had used to carry the solution jar vibration into the body of the Wet Cell user. Although parallel recommendations in different modalities further validated for me the fundamental themes running throughout the readings, I never made a serious attempt to explain this premise to anyone. This, I believed, would be like trying to explain to a baby what it would be like to walk before he or she had crawled.

TESTING THE THEORY AND APPARATUS

The next thing I needed was to wait for someone to come in to test the apparatus. I thought my chance had arrived only a few days later when a youthful woman approached me outside the

**Animated Ash is an
oxygen enabler.**

**The tiny amounts of
ingested ash carried
high concentrations of
pure oxygen into the
bloodstream ...**

ARE [the Association for Research and Enlightenment]. "I've been diagnosed with breast cancer," she said, "and I need to come and talk with you about the Cayce approach." I replied, "As a matter of fact, I recently developed Animated Ash, which was the substance the readings recommend for treating cancer." I gave her a flyer with my phone number and felt sure this was divine order taking place. In retrospect, this was indeed divine order, as here was a woman who not only worked for the organisation, she understood and practised other suggestions Mr Cayce discussed for maintaining a balanced lifestyle. Certainly this would be an excellent opportunity to try the ash in a somewhat controlled situation.

As the days and weeks slipped by, several curiosity-seekers came to try this new blood oxygenator, but the woman who I thought would ultimately call never did. My personal code of ethics forbids me from soliciting her, and she chose instead to go the conventional route. I learned tidbits of information from the seekers, but the more important lesson here was that I continue to learn patience—a commodity I would need in vast amounts to endure the rigours of introducing a new idea into the grid system of human consciousness.

About three months later, a friend called. This was a woman who had dealt with breast cancer a couple of years previously. During the process she had gone through a lumpectomy and surgical removal of a large number of lymph nodes under her arm, as well as the standard chemo and radiation therapies. The surgical procedure had left that region of her body completely devoid of feeling. Upon a routine check-up with her oncologist, an elevated white count in her blood was so dramatic it could mean only one thing: her body was again preparing to do battle with cancer. I told her about my work with the ash and she decided to give it a try.

During the very first session she experienced shooting pains throughout that region of her body; and within the next three weeks of visits every other day, the sensory awareness was almost completely restored. To this day, I am at a loss as to how the oxygen-enriched blood regenerated severed nerves. A week later when she returned for a follow-up check, her white count was almost normal. A year later, she has had no further indications of any problems.

Finding inspiration in this initial study, I reached out to another woman who had been through a similar situation. Since her recovery she had wrestled continuously with the stress of daily existence and the influence it had on her body. During the course of the next two to three months she came in for several sessions, but it remains unclear how much influence they had on her condition. She did invite me to speak to her support group of perhaps ten women who gathered in her office once a month.

One of these ladies called me a few days later and decided to come in for a series of sessions. Middle-aged and coming from an emotionally trying childhood, she was dealing with inoperable liver cancer. In my mind, she was an excellent candidate as she had not been through either chemo or radiation therapies. Since the cancer was at an advanced stage, I suspected that this would prove to be a real test of the effectiveness of the ash. Her energy was withering daily, her range of motion was severely impeded

by the size and number of tumours, and her appetite had been at subsistence levels for several months.

From the beginning of our sessions, the physical symptoms associated with the condition began to reverse. I was elated with the regularity with which she came to see me and at the slow, steady progress we were making. Several times we discussed the eventuality of her returning to her oncologist for follow-up X-rays, and as the weeks went on I was convinced that this would become a landmark study which would revive interest in this forgotten treatment method. Her appetite and her strength were returning, and her range of motion increased as her pain dissipated. Emotionally she was riding a roller-coaster which dredged up the issues which had afforded the condition sanctification in her body in the first place. As time went on, I asked her why she continued to postpone a return trip to her doctor. She was visibly stronger than she had been in many months, and her attitude seemed upbeat during each session.

About three months into the study, with about 50 sessions under her belt, she finally agreed to go in for a check-up. For two days I patiently waited for the verdict. On the morning of the third day, I received a call from the cancer ward. "I'm going in for my first radiation treatment in 45 minutes," she said. "My doctor said that if I didn't start treatments immediately I would die." Flabbergasted, I searched for something to say. "But what about the X-rays? What did they look like?" "We didn't take any," she responded. "Don't you think a second opinion would be helpful?" I asked. "I'm sorry," was all she could muster. "I'll call and let you know how it's going." To which I responded, "My prayers are with you," as she hung up.

It's been six months since the call, and somehow I don't think I'll hear from her. Needless to say, this took the air out of the project, and no one else has approached me since to test the viability of the readings on this modality.

Michael Jordan, the greatest basketball player of all time, did a TV commercial which was filmed in silence with just his narration. Shot in black and white, and played back in segmented super-slow motion, Jordan strides into the players' entrance of the arena and proceeds down the hallway. Acknowledging a couple of security guards and a janitor pushing a broom, his monologue begins. He speaks about the number of shots he has unsuccessfully attempted during his career. He talks about the number of times he was asked to make the game-winning basket, but missed. As he reaches for the locker room door, he recites the most profound words in sports-related history: "I have failed, over and over and over again..." Then a short pause follows as he finishes his thoughts while disappearing: "...which is why I succeed." I take great comfort in those words. ∞

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**To this day, I am
at a loss as to
how the oxygen-
enriched blood
regenerated
severed nerves.**

THE AETHER AS LIFE ENERGY WAVES

by Stan Pawlak © 7 April 1999

T*his file has been edited to improve grammar and spelling. The author presents an intriguing insight into the quenching of magnetic fields due to Aether-tapping in a given locality. My comments are in square brackets. Feel free to contact Mr Pawlak with questions or comments. — Jerry Decker, KeelyNet*

1) Small subparticles come from the Sun, stars and the centres of galaxies. I have named these particles Aether. They take the form of magnetic planes. There are billions of them in one cubic metre. They go through our bodies with ease.

One could consider Aether as the currents of the Universe. It plays a major role in the movements and energy of celestial bodies. All living organisms depend on Aether. We can call it "life energy waves". The Earth is heated inside by Aether through induction of direct current in the melted metals ring.

2) These particles are the smallest chunks of magnetic and electric fields. They are also the smallest parts of an electromagnetic wave. (Photons, in comparison, are huge formations of them.)

3) Aether, one can say, is an electromagnetic wave of frequency zero which travels, of course, at the speed of light. It is inconsistent and chaotic.

4) Larger magnetic or electrical fields cannot be created without Aether. *No electrical currents can create magnetic fields themselves!* In order for measurable magnetic fields to exist, they require Aether particles as their building blocks. Accelerating electrons catch these particles which form the closed lines of a magnetic field.

5) Presumably those tiny elements, by spinning in one axis create a magnetic field, and by spinning in another axis they create an electrical field. By spinning, they join together, making magnetic or electric field lines. Do they also make gravity lines by spinning like a gyroscope? They have a

head and a foot, meaning they are not in a ball shape. Perhaps they take the form of mini pyramids [tetrahedrons].

6) Experiments show that Aether may be caught in the form of a magnetic or electric field. It does move the wires during the start of electric current with big force, and a small force is exerted during normal flow of the current. A plate capacitor also moves from its force. As particles of Aether act as a magnetic field moving in space, they can be manipulated—diverted, concentrated, polarised or even rectified.

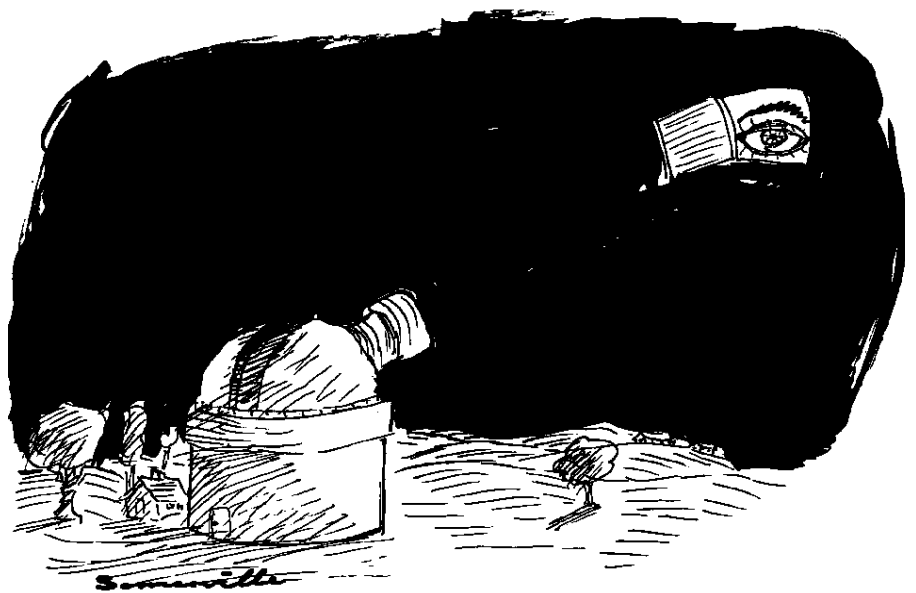
7) A magnetic shielding or quenching effect was present in some cases of encounters with flying discs above cars and substations, where all electrical circuits were non-functional due to the disappearance of magnetic fields in the coils of relays, actuators, ignitions, radios, generators, transformers, etc. This is because the flying discs absorb all of the local particles of Aether for their own energy use.

8) The effects of abnormal levels and polarities of this radiation on living organisms are unknown. Perhaps we could create an environment to survive on the Earth for a thousand years. We could also make chambers to refresh the brain in just one hour, instead of having to sleep eight hours

a day. Dr Tesla experienced such a refreshment using high-frequency currents. Maybe we could cure most of our diseases by using Orgone [another name for Aether] in different concentration and/or polarisation, etc. We could also control the weather with this technology—it has already been done.

9) It is possible to build over-unity generators using coils and capacitors where these generators convert electromagnetic energy from the Cosmos, which is abundant [you can call it a dark light], into mechanical work which converts almost instantly into the form of heat which is dispersed into the Universe in the form of electromagnetic waves. Such machines are already built and their principles take the form of a pumping action: catching the Aether particles, creating a magnetic field which is converted into electrical-mechanical energy, and dissipating that energy as heat radiation. Every house, car and flying machine could have its own clean energy generator so that consumable fuels would no longer be required.

10) The Aether's waves are anisotropic, and its energy density varies in different spots in space and time. Normally during the day, the wave is presumably the



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strongest due to the addition of solar forces. Twice a year, the Earth receives massive doses of this energy during cutting of the Sun's magnetic plane, when Aether is the most concentrated. The polarity of Aether from the Sun, impinging on the planet Earth, changes a few times a year. The Sun functions like eight coils, as we can deduce from the magnetosphere of our star.

11) Presumably Aether particles cannot spin in two axes simultaneously and travel at the speed of light at the same time when they are spinning. What if they spin in two axes at the same time? Does this produce gravity? Is it possible that these particles [neutrinos] can spin in such a way that they spin in two axes but they stop after each spin of 180 degrees?

12) Aether particles travel through matter but change if they encounter electric or magnetic fields, especially during the acceleration of electrons.

(Note: Energy manifests by cutting the lines of force, which intercepts and redirects the flow for practical use. So if Aether or other forces come in the form of radiation, waves will be involved which can be conjugated by 90 or 180 degrees, which redirects the flow of energy.)

— Jerry Decker, <www.keelynet.com>

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NEW DIGITAL TECHNOLOGY MAY REVOLUTIONISE COMMUNICATIONS

Huntsville, Alabama, USA — A little-known company in this city of rocket scientists is about to explode onto the scene with an invention that might be as important as the transistor or electric light bulb.

The company is Time Domain. Its breakthrough is the work of Larry Fullerton, a lone inventor who harks back to the era of Thomas Edison. His invention is a way to transmit information wirelessly, but not using radio waves. Instead, it uses pulses of radio energy, fired out at 10 million to 40 million pulses a second.

The potential impact is astounding. If the technology lives up to its promise, it would be like the leap from vacuum tubes to the transistor or from oil lamps to light bulbs, touching every home and workplace. Wireless communicators could get down to the size of a quarter. Radar could become cheap and commonplace. A home radar system could be used for security, detecting movement inside and distinguishing, say, a cat from a man. Already a reality is handheld radar that police can use to see inside a room before bursting in.

The pulse technology, sometimes also called ultra-wide band (UWB), could launch whole new industries and reorder several existing ones in coming decades.

"This is a technology that's as radical as anything that's come up in recent years," says Paul Turner, a partner at Price Waterhouse Coopers who has studied Time

Domain and advised the upstart company.

Representatives from major technology companies have trooped to Huntsville these past few months.

"If they can really pull it off in volume, it can be quite huge," says IBM Vice President Ron Soicher who admitted to getting goose bumps when he realised the potential.

The technology is digital. Each of

the whizzing pulses is a "1" or "0", so the transmissions are as flexible as a computer, able to handle phone calls, data or video. The pulses can carry information or media as fast as the speediest corporate Internet connection. The pulse technology has other advantages:

- It could open up capacity for radio communication. Today there's a wireless traffic jam. Users of radio waves have to operate in their specific, government-granted slices of the increasingly crowded radio spectrum—otherwise they'd interfere with one another. But it's unlikely the pulses would interfere with each other or with conventional radio waves, so the pulses would open up vast new radio real estate.

- Pulse devices could operate on one-thousandth the power of devices that use radio waves, so a phone could be the size of a wristwatch.

- The pulses in Time Domain's technology are read by timing the incoming pulses to 10 picoseconds—10 trillionths of a second. Any pulse device could tell how long it takes for a signal to get to it, which makes it able to sense objects and measure their position more accurately than conventional radar. Radar could be a mass-market product for homes or cars.

- The pulses are timed according to a complex code shared only by the sender and the intended receiver. The chance of anyone who doesn't have the code intercepting the signal is near zero. That means pulse communications should be the most secure way, ever, to transmit wirelessly, which is of major interest to the military.

Fullerton started working on the technology in 1976 and got his first patent for it in 1987. But the technology was crude, Fullerton didn't have the money to push it, and the world wasn't paying attention. All that is changing in a big way.

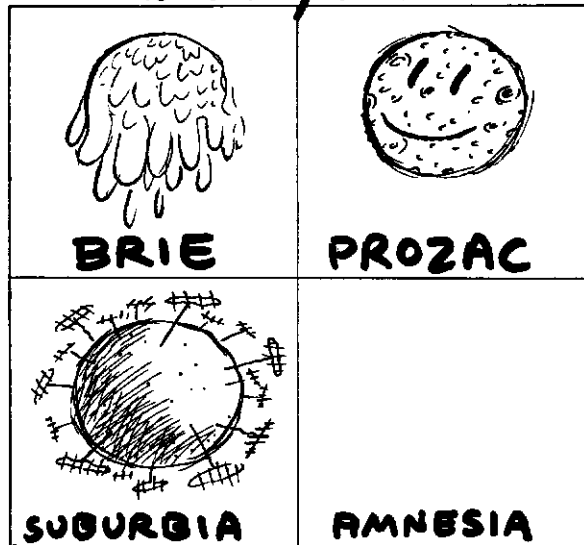
In Time Domain's offices are prototypes of a wireless phone that can measure the distance to the other party, cameras that can transmit video wirelessly to a computer screen, and radar that works indoors and through walls—which is something that conventional radar can't do. The prototypes are hand-built and clunky.

"We haven't built a lot of things yet, so we don't know how much reality will intrude on theory," CEO Ralph Petroff says. "But our guys say they can do it."

The list of believers is growing:

- The Federal Emergency Management Agency (FEMA) has contacted Time

Undiscovered planets



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Domain because the radar technology could pinpoint victims beneath an earthquake's rubble.

- The Marines have been looking at Time Domain prototypes because they'd like a walkie-talkie that's not only undetectable but can tell a Marine the location of all the other members of his unit.

- The Immigration and Naturalization Service is doing a pilot project with Time Domain. It's interested in ways that the technology could be used along the border. Put a wireless, low-power camera in a cactus, and it could transmit video back to INS agents. No need to string telltale wires across the desert!

A few pulse technology products are ready for a broader market, pending FCC approval. Mass-market products are still years away. Cellphones, Petroff predicts, are a decade off.

A couple of small companies are making pulse radar devices for measuring liquid in steel storage tanks. A handful of research labs, such as the UltRa Lab at the University of Southern California, are experimenting with pulses.

"There are still three to four iterations of design that have to go on before we really know if it all looks good," says Robert Scholtz of UltRa Lab. "Still, no one has disproved its potential."

Recent developments are giving the technology a head of steam.

Until about a year ago, Fullerton's invention was, as he says, "a science project". It worked only in theory or in awkward and costly lab experiments. Then IBM came up with a new way to make a chip using the material silicon germanium. That chip turned out to be perfect for measuring time to the picosecond and controlling release of the pulses, at low cost. Working with IBM's Ron Soicher, Time Domain became a test project for the chip.

"It's been a perfect match," says Alan Petroff, brother of Ralph and head of Time Domain's engineering work. "We wouldn't be doing this now if not for that."

Another development has to do with money, and lots of it. In 1995, Time Domain was an 11-person Huntsville company that struggled to make payroll. Since then, the Petroff family, who had previously built a multinational environmental engineering company, invested US\$3 million and took over management.

Alan Petroff has some intriguing ideas. For instance, the technology's ability to measure a position is so good, it can be

accurate to within less than an inch. That would allow for what Petroff calls "precision farming". Put pulse technology on a tractor, and the vehicle could plough a field by itself. Or the positioning aspects might allow for the creation of a self-guided bricklaying machine.

Time Domain technology could be perfect for the blossoming industry of home computer networking. The single biggest obstacle to home networking is the wiring. Who wants to string another set of wires to every computer, printer, TV and other device around the house? With pulse technology, you might be able to put a box on the side of the house that would be powerful enough to transmit TV, the Internet and phone calls to any device inside.

Fullerton is 48, and married with two grown children. He's had a lab since he was seven. His father was in the military and they moved frequently; his labs went with the family. At 13, he was introduced to amateur radio by a neighbour at McChord Air Force Base in Tacoma, Washington, and was fascinated. He went to the University of Arkansas in Fayetteville, Arkansas, where a favourite professor, Leonard Forbes, told the class one day of a theory of pulsed communication. Research on the theory had been going on for years. But, Forbes said, pulses could never be transmitted.

"I couldn't think of a reason it wouldn't work," Fullerton says.

And if it worked, its potential would be awesome, he realised. He kept experimenting in his home lab until one day he used pulses to transmit music (a tape of the album *Chicago III*) from his workbench to a hand-held receiver in his yard.

"When it worked, I got kind of a spooky feeling," he says.

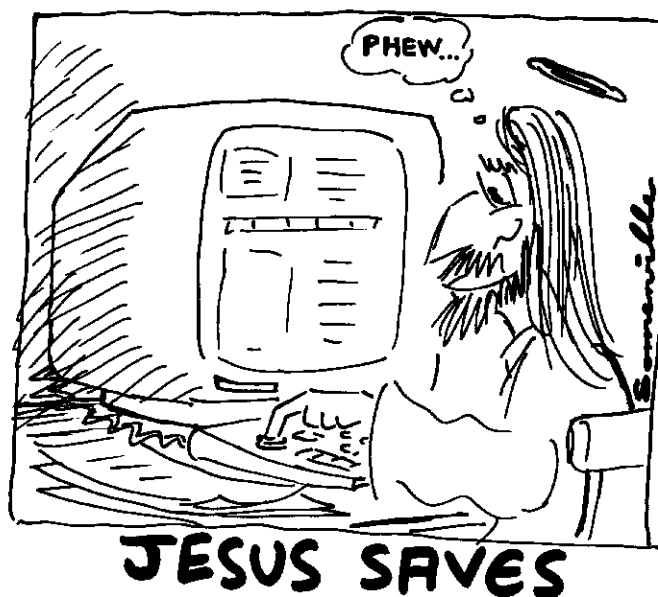
He got jobs with big companies—Texas Instruments, ITT, CSC—and started a small, not-very-successful one. He kept tinkering. CSC brought him to Huntsville where he looked up a patent attorney and won his first patent. He now has 10 US patents for pulse technology and 32 abroad.

Lanky and bearded, Fullerton comes across as painfully shy, but underneath he is steely and wily. He met Alan Petroff in the 1980s. Peter Petroff (Alan's father) had come from Bulgaria to work with Huntsville's rocket scientists who were building the US space program in the 1960s. He then invented the digital watch, founding Pulsar in 1969, and later built ADS Environmental Services with his three sons, Ralph, Alan and Mark. By 1995, Fullerton lured in Alan Petroff who took a \$25,000 salary just to get in. A year later, the rest of the Petroffs joined him.

"We had all planned to retire," says Ralph Petroff, now 44.

The Petroffs brought money and management. Without them, Fullerton's invention might have died.

(Source: *Sightings* press release, 11 April 1999, <www.sightings.com>)



Reverse-Engineering Roswell UFO Technology

***Computer company
chief Jack Shulman
argues that the
transistor could
never have been
invented so
suddenly at AT&T in
late 1947 without
the input of alien
technology.***

Edited from a lecture given by
Jack Shulman

President
American Computer Company

at the Global Sciences Congress
Florida, USA, 11–17 March 1999

(Audiotape transcribed by Ruth Parnell)

Hi, I'm Jack Shulman. I'm the head of the American Computer Company. American Computer Company is part of the Technology International Group and Bell North America group of companies. I'm also one of the owners of the group of companies. I've been in the computer industry for about 28 or 29 years. I've worked for IBM as a professional services management consultant. I worked on the development of the personal computer in 1978 for FIT [Fashion Institute of Technology] and Simplicity Patterns, later adopted by IBM. I developed something called the "pattern creator". That's where we got the term "PC". Prior to that, I'd developed what you might call the first windowing operating system in 1975 for Citibank, and before that there were earlier versions I did for a company called Vydec. I'm a serious computer person—very, very serious—and also someone who's not generally inclined to leap to great predispositions about any unusual subject.

Well, as it turns out, a few years ago I got my dose of reality. It was in the form of a visit from a friend of mine. When I was very young I'd got involved in technology, partly by virtue of the influence of a friend's father. I grew up in central New Jersey, which is around where AT&T and Bell Labs originated, and my friend's father was the head of Bell Labs. I ended up at a private school and ended up living at the household of the head of Bell Labs, going to that private school and going to college with his son as a roommate, and I kind of grew up around the various projects at Bell Laboratories in the late 1960s and early 1970s.

I'd always held out that AT&T was this rather magnificent institution. Anybody here worked for AT&T in the past? So, you know when I say Bell Labs research, I'm speaking Holy Grail; and in certain parts of the defence community and in government I'm also speaking Holy Grail. Anyone here realise that AT&T and Bell Laboratories ran our nuclear arsenal for 45 years? Anybody who knows that, raise your hand. Not a one of you. I didn't really even know until a little bit later in my career, but I knew something strange was going on because it always seemed to me that AT&T always had what it needed to make innovations in technology, and subsequently such technology would migrate to an IBM or a Sarnoff Research or to an RCA.

And I could never really figure out, in the course of my young life, who were these magnificent, incredible scientists, other than that I frequently met them...like a fellow by the name of William Shockley. He was quite a frequent friend to Jack Morton's household, and I knew him, and I knew some of the other folks that he knew, like a fellow by the name of—well, I guess not too many people would know him—Bob Noyce, and Jack Kilby who was an acquaintance of theirs, and so forth. These names, if you've ever worked for AT&T or in the electronics industry, are also Holy Grail names. These are Mount Rushmores of the technology industry. Jack Kilby is credited with the invention of the integrated circuit.

I was rather shocked when, about late 1995, a dear friend came to me. He was at one time one of the very well known generals in the Pentagon, a member of the Joint Chiefs of Staff, and is now a consultant. I'd known him a very long time through the Morton family and Bell and when working for IBM. He asked me to analyse some documents that he had in his possession. He showed me some pictures. I kind of turned up my nose. I said, "I don't believe this." He suggested they were pictures of an alien craft. I said to him, "Well, why do you come to me and ask me this?" "Because there are some documents that fell into my possession that I would also like you to see, that go beyond these drawings, these pictures, these photographs, that describe some technology; and I would like

you to analyse this technology and make a determination for me of the veracity of these documents, help me to authenticate them." I said, "Fine. I don't believe this is real. I'm sceptical. I don't believe in aliens, I don't believe in UFOs, I don't believe in any of that." And he said, "Okay, well, I'd still want you to take a look at them, Jack." And I agreed.

I met with him at his home. I met a woman by the name of Mrs Jeffrey Proscauer. That's not her real name, but it's the name she goes by; she does not want her true identity revealed. And I got a chance to piece and look through some 28 boxes of materials that had come from Western Electric Laboratories in the late 1940s, 1947, early 1948 and beyond, and some subsequent documents.

Now again, if you've ever worked for AT&T, you know that the laboratories at Bell Laboratories are often quite distinct, and the documentation from a laboratory is kept in an ongoing, growing tome called a "Lab Shopkeeper's Notebook". It turns out that even in the super-secret laboratories, the ones in the part of Western Electric or Bell Laboratories that manage the nuclear arsenal, these notebooks are kept, and they grow and they're ongoing and they become almost like a living representation of what that laboratory did for a living.

Well, such as it is, I was rather shocked at what I had to see there in these boxes of materials, and I convinced them to let me look at them over the course of about three-and-a-half weeks. They were kept at the consultant's house during that time period, and he actually kept a security guard with them at all times because he was afraid that someone might come and steal them. Now of course, I wasn't sure why he was afraid, because at the time I didn't realise the full magnitude of what I was looking at.

In any event, after about two or three weeks of looking at them, I came back to him and we sat down over what turned out to be a Christmas Eve dinner, and I said to him: "I've got to tell you something. I'm having a real problem with this because what you're showing me looks

like technology that we have not yet developed, that humanity has not yet developed, yet the documents you're showing me appear to be forty-eight, forty-nine years old. This would put them in 1947, 1948, 1949."

I suggested to him that before I could proceed I would have to have someone verify the age, carbon-date or come up with some other means to verify the age of the documents, and he agreed. So, with the help of a mutual acquaintance—a private investigator formerly with the Justice Department—we were able to take fragments of the documents without damaging them.

We sent them to an expert who formerly consulted for Scotland Yard; he's a fairly well known forensic expert at...I believe it's the University of Edinburgh in Scotland today; he was at a different university at the time. He analysed these fragments of these documents for me, and came back and told me that the ink, the paper, even the presentations were valid; that this was in fact a book or series of books from the 1947, '48, '49, 1950 time period. That took him about four and a half weeks of analysis, and I was for four and a half weeks, as you can imagine, holding my breath.

The things that I saw described in this Lab Shopkeeper's Notebook consisted of things that today would be more powerful than the Intel Pentium processor, for instance, or the Cray super-computer. There were communications devices that were

described; there were ways to sandwich-in very, very thin, micrometre-thin layers; special metals to produce moving parts for things like...from the descriptions that I read, the nearest thing I could describe...an anti-gravity propulsion unit for a spacecraft. They included dynamic electronic and power-control technology that even to this day we have not yet developed. They included communications technology that was described only as having been taken from an object of unknown or unearthly origin. The documents were very carefully worded not to reveal what was, in reality, in these boxes of materials.

I was sort of at a loss at that juncture, because even though we had forensic information at the time from this particular forensic expert that would date these boxes back to the late '40s, and even though they said "Western Electric, Bell Laboratories", part of them said something called "Z-Division" on them. We knew of the Z-Division: it was a segment of the United States Army, formed in 1947 and 1948. The implications were that this project was operating on the fringes of the nuclear bomb development project—then known as the Manhattan Project Group.

It turns out that in 1947—between '47 and actually late '48—Harry Truman decided he was going to grant a contract to AT&T to go through the overseeing and management of our nuclear arsenal and the commercialisation of derived product technologies from the nuclear bomb, from the bomb project: the physics, the electronics, the control systems, even the ballistics, the radar that was used, the ICBM technology that was under development in the late '40s after we got a hold of the V-series rockets from the Nazis, and so forth. The contract was inked by Truman in early 1949, if I recall correctly, but during the prior two-year period there was an informal relationship, during which AT&T played a greater and greater role in the organisation of super-secret military weapons-grade projects for the federal government and eventually got pretty much control of what was then known as the Z-Division.

Z-Division, believe it or not, originated in Roswell, New Mexico. I guess the reason is, that is where the original nuclear bomb armada was formed—the first bomber wing that carried the nuclear bomb—and it migrated over to Kirtland Air Force Base during the time period when Orlando Lawrence, the Lawrence Berkeley Laboratories fellow, was called in. He was called in by Teller, Oppenheimer...all those folks responsible for the nuclear bomb...Leo Szilard. Lawrence was called in at the time because he could make accelerators, or "cyclotrons" as they were known at the time. Those cyclotrons were capable of refining uranium, refining plutonium...well, actually, back then, they weren't working with plutonium but with uranium.

I guess you could imagine what it must have been like in the time period. They were in the middle of a war when they were building the nuclear bombs and they had to do everything secretly, so this Z-Division was created with super-secrecy as its fundamental core.

Ultimately Lawrence was called in because they had to build enough of an accelerator to refine enough uranium to make the bomb possible, and, in spite of all the greatest minds of nuclear physics assigned to the Z-Division in the Manhattan Project, none of them could figure out how to refine enough uranium to make

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the nuclear bomb a possibility. This was before the first bomb was exploded. So Lawrence was brought in because he knew how to make a cyclotron; but his cyclotron, the biggest one he'd ever created, was about the size of this white board over here, and it could produce about a thimbleful of refined uranium—which would have been about enough to make a nuclear bomb capable of blowing off your left foot.

In any event, Lawrence one day is called in and he's asked: "How do we build a cyclotron big enough?" He makes a few calculations and hands a requisition order to Harold Ackerman—today a federal judge, and who was the chief supply clerk for the Manhattan Project—to requisition enough silver to build a big silver racetrack; something like 12 million tons of silver. In fact, he took it to the United States Treasury, handed it to the then Secretary of the Treasury—I guess it was Morgenthau—and Morgenthau was asked to fill a 12-million-ton order, which also necessitated the relocation of Z-Division to some place where they could put all this silver and build this racetrack.

We decided one day at American Computer Company that we were going to be brave. I talked with my board and I talked with some of the people at the company and they agreed. "Yeah, we can try this; let's see what happens."

We decided that we were going to take the story that had been conveyed to me about this unusual Shopkeeper's Notebook with these unusual technological artifacts in them, and naively and blithely put a panel on the Internet, describing in black and white and colour what we had found, and raise the question. However, the picture that we put up was a picture of Testor's model of the so-called Roswell Lander. It's a picture of what looks like a spacecraft with wings and a jet propulsion system, with a pod in the front to hold alien occupants who were piloting it. We superimposed the picture over an image from the Thunder Range—of course, we picked the wrong place; the Plains of San Agustin was the right place, actually—and we put a little bit of rhetoric on this panel and just placed it right in the middle of our American Computer Company website.

Now that probably was the stupidest thing we ever did. Here's this picture of a Roswell alien lander sitting on a panel in the middle of a computer company website, and on it it said something like: "Did AT&T receive stolen alien technologies from the US Government in 1947 and thereby invent the transistor, the laser, the integrated circuit, and...on and on and on...different technologies?" Well, we figured the reaction we would get from the public would be one of, "Oh gee, isn't that cute? That's funny, *X-Files*, you know..." The reaction we got was not one we had anticipated.

Three days after we placed the image onto our website, we received a very strange series of military faxes to our tech support fax machine, referring to a piece of hardware known as "Sky Station". Anybody ever hear of anything called Sky Station? Never heard of it, have you? Well, it's up there. It's an orbital platform of some kind. We were receiving live messages from

Sky Station for a day or two and we decided this wasn't right; we were going to call the Pentagon and tell them about it.

So I picked up the phone and first I called Fort Monmouth; then I called down to Langley Air Force Base. They wanted to know, "Why are you calling Langley Air Force Base?" Well, where else would I call about a satellite that's sending messages to our fax machine...talk about sounding strange...that say this satellite is about to crash, it's coming down, its communications systems are breaking down. Well, finally we got to somebody who was of authority. It was Colonel James that we got to, and he gets on the phone with me...I'm in my car, on my car phone...and he says: "Mr Shulman, please secure these faxes. Do not let anyone see them. We'll take care of it. We'll let you know what to do with the faxes." It's like...the military goes silent.

That next day our offices were broken into. Our front door was smashed, our glass was smashed to smithereens all over the place, and everything was taken out of the file cabinets in our offices. My office was a wreck when I got in there. It was awful. We came in the next day to work and it was like: what happened, what happened?

I had these faxes in my briefcase. I'd taken them with me, home. So apparently, by not leaving them there, I probably worsened the situation. It might have been better if I'd left them there, to be frank; if they'd found them and had just come and arrested us, taken us away. They were top level, five-level clearance. We're not supposed to even *see* or even *know* such a thing, but inadvertently, as a result, we became aware of the fact that there's an orbital DSP [Defense Space Platform], called Sky Station, which is nuclear-hardened and equipped to carry nuclear weapons, because it was described in these faxes.

It is not a very pleasant place to be, to discover that now, here we are at the end of the Cold War with an agreement that there will be no nuclear weapons in space in orbit, and there is apparently a platform up there that the United States secretly put up back in the '60s or '70s or '80s, that's equipped; it's nuclear-hardened, it's one of the Star Wars SDI series, based on Spacelab, equipped to handle and carry nuclear weapons.

So now, not only did we have a picture of an alleged alien craft on our website, talking about alien technologies being transferred to AT&T, but we also were in possession of very high level, Level Five, Top Secret security clearance military faxes describing something called Sky Station.

That week we had visits from the Air Force Office of Special Investigations. They came up and they interviewed us. They put me through a day-long third degree. We didn't want it happening in the middle of our customers coming in and seeing us or selling personal computers and servers, so I took them to an out-of-the-way part of the office, down the hall, down the elevator to a little office downstairs, and I got a query about everything just short of...well, it included my shoe size, when I was born, names of parents, names of grandparents, when they entered the country, driver's licence number. They went through a Q&A with me and with my staff, that just came short of asking me the wrong question—if you know what I mean.

**"Why are you calling
Langley Air Force Base?"**

**Well, where else would
I call about a satellite
that's sending messages
to our fax machine ...
that say this satellite
is about to crash,
it's coming down,
its communications
systems are breaking
down.**

We were very startled, naturally. We weren't certain what in fact was going on, but we're not ones to back down at American Computer so we decided that instead of running for cover and taking the picture down off of our website...because we kind of connected that the two things might have something to do with each other...instead of backing down and turning it all off, we would go the other direction. So we moved the picture to a separate section of our website and created an entire website within our website, called American Computer Company Special Investigation. This is what happens when you grow up in New Jersey! Of course, we couldn't have rubbed salt into a deeper wound: "Some have claimed that alien technology was found on board a UFO crashed in Roswell, 1947. Very dramatic. Is it true? Did the US military discover something strange in the desert near Albuquerque, New Mexico? Did they alter human history? Was the transistor one of those alien marvels? Click here for the original story."

We tried to be a little cute. We put up a picture, and if you go to our website it's still there. If you go to our main website, <accpc.com>, at the bottom of the page is a nav bar with a pointer in the middle of the corporate info products, catalogue, features, tech support, Roswell 1947, help. You can go to that link and click on it and it'll take you to this special page which, of course, has now grown tremendously. It has something like, we estimate, about 9,000 messages and articles now stored within it. We started off on one Internet server and moved it to five Internet servers, and now we are on one of our super-servers which consists of four groups of four Pentium XEONS and three different service-provider carriers and a whole lot of communications just to handle the load.

We get about, we estimate, three million to three and a half million visitors a month to the site. And they're not necessarily people like yourselves, open-minded, interested; they're kids from college, kids from high schools, military people from countries like Iran...I'm serious! I mean, we can track some of the addresses that show up in our logs. I didn't even know Iran had Internet! We've got a very strange reaction to our story.

What we did in the story was we isolated a few pointers, some of which only I was privy to. One of them was that there was some relationship between the government and AT&T that resulted in the transistor's invention. I mentioned I grew up in the household of the head of Bell Labs, so I knew that there was something strange about the transistor because I knew Bill Shockley, and Bill Shockley was something of a witless buffoon. There's no way he could have invented the transistor.

The symbol for the transistor is made up of three pieces: positive, positive and negative; or negative, negative and positive...silicon dioxide doped with arsenic and boron, in 1947. Now, in 1947, doping things with boron was not easy. It required the sort of equipment that even Bell Labs in 1946 did not possess. They had this type of equipment at Lawrence Berkeley Laboratories—but it would have taken thousands and thousands and thousands of man-hours to invent the transistor.

If you look back at it historically, what AT&T was claiming was that one day this "genius", William Shockley, was working with a rectifier; he looked at it and he noticed it had unusual propensities, and there, bingo, he invented the transistor! He figured it out right there! And to verify that, the two other "geniuses" that they got to help work on the transistor, Dr Bardeen and Dr Brattain, both said: "Oh yeah, I remember a guy by the name of Case was [allegedly] talking about transistors in 1931, and I knew back then we were going to have them."

That is the history of the transistor at AT&T prior to 1948, other than claiming it was invented in December of 1947 by Dr Shockley. Anybody believe that story? Me neither. And I knew, because the administrative head of the transistor project was Jack Morton—the man at whose house I was staying to go to school and whose sons I was friends with—and he often commented on the fact that it was really a shame that those three idiots got responsibility for the transistor and he didn't. And I always wondered, because he too didn't possess the scientific ability to devel-

op the transistor. He was a brilliant man who had invented the radiobroadcast vacuum tube, the close-spaced triode, but it appears as if he was brought in to head up the project to try to draw back the transistor in time to radio tubes and the things that Shockley talked about; and it was as if the whole thing was just a ploy and he might as easily have been given responsibility and got the Nobel Prize as Bill Shockley. Professional jealousy?

In any event, for most of my young life I believed that the transistor had come from a government project and that they were just hiding its origins. Which government project, I did not realise until I saw the Shopkeeper's Notebook in the possession of my friend, the consultant.

Now, I'd heard a lot about Roswell in my life and I'd read the *Project Blue Book* books and I'd read a lot of books like Berlitz's books and so forth, but I was not someone who believed in Roswell, who believed that a UFO had crashed at Roswell at the time, in any event. There I was, stuck with all this information and having created this rather minor scandal on the Internet...well,

maybe not minor, with the Air Force coming to visit us.

Next thing I know, radio talk show host Art Bell sends science reporter Linda Moulton Howe to my office. She has to be there because she has to see whether or not our offices were actually broken into. A beautiful woman, very intelligent...she shows up at the office with a tape recorder. I'm exhausted...the weeks have been going not so good lately, and we're still picking up the pieces of glass out of the sofas in the lobby. She sees the windows are broken in the front and we have a wooden partition set up to try to keep the air out of the building, and she records me answering questions about all this. I try to be as vague as I can and answer the questions about what's going on here, and she talks about the story. And next thing I know, she plays the tape on "Dreamland", on Art's show. I swear to God, it was the strangest thing we had ever seen happen!

I knew that there was something strange about the transistor because I knew Bill Shockley, and Bill Shockley was something of a witless buffoon.

There's no way he could have invented the transistor.

That very next day we got well over 3,000 phone calls from people all trying to get in to see me personally; they had to come to see me personally, to tell me about Roswell. We received mail and e-mail by the 10,000 pieces. Our normal 2,000 visitors a day on our World Wide Web site jumped up so high that one of our carriers refused to carry us anymore.

At that point I realised there's more than just a casual interest on the part of the public, so we decided we would carry the original ACC Roswell story right through to its ultimate conclusion. We have been for several years now.

So, we have publicised the fact that Dr Morton met his untimely death and that Dr Morton was one of the few people who knew the true history of the transistor at AT&T—aside from Bill Shockley who would never have talked because that would have meant the end of his Nobel Prize, along with Drs Bardeen and Brattain, and Dr Kilby who subsequently went on to bigger and better things, and he's dead now.

It looked like Dr Morton was breaking camp with AT&T and was very, very outspoken, very angry with AT&T over this whole thing. Professional jealousy, I guess. One day in 1972, Dr Morton was found knocked unconscious and set afire in his Volvo P18 sports coupé, devastating the Morton household and family—my friends—and for reasons that nobody seemed to know.

Well, we decided to see whether or not there might be any link, any reason to link Dr Morton's possible migration to a Japanese firm, and we tried to make an inquiry about it with the corporate security department at AT&T. That's when we discovered that there are people working in corporate security at AT&T who don't want to talk about Dr Morton's untimely death. Now, you've got to understand, we're talking about something which happened 25 years ago.

So we were investigating further, and I interviewed a member of the Morton household who was talking about the transistor project and got very, very teary-eyed when I talked about the transistor. I said, "Oh, did you ever wonder where the transistor really came from?" It was as if I had cut a jugular. The conversation ended right there. "Can't discuss this further with you."

We looked into it a little bit further and it became clear to us that Dr Morton was probably responsible for this Shopkeeper's Notebook working its way outside of AT&T—probably, because he was the principal investigator. Everybody knows what a principal investigator is. Involved in any government project you have a principal investigator. They have to name somebody to take the blame. When AT&T screws up, they have to have someone to fire, and they're certainly not going to pick someone important enough in their view; they're going to pick the one that everybody doesn't like. He was a tough guy; very, very strong-minded; and everybody didn't like him that much, so they made him the principal investigator.

There were other people involved, apparently. There was a fellow by the name of Ramey. He was a figure at the Department of the Army. He was named in the documents. There were quite a few other people named in the documents. We're not revealing all of the people at this particular juncture because of Mrs Proscauer who won't allow us to give out certain things. And in order to

continue on an ongoing basis having access to these documents and so-called Notebook, we're very cautious about the information we give out.

In any event, we decided to depict in a series of pages on the Internet the entirety of the story of what we'd been going through, going on the theory that one of the ways you can protect yourself from, for instance, being assassinated by having information in your possession that's dangerous to others, is to publicise it as widely as you possibly can—which is what we did. Of course, there's a certain drawback to that approach. The drawback was that within no time the attacks, the onslaughts, the assaults, the death threats, the credibility attacks, the undermining of credibility, the public humiliation, pain and suffering began.

We found ourselves besieged by what I can only describe as a multilateral black project, which included death threats on myself and my family, death threats on our employees, pictures of me with bullet holes and blood dripping out, on the Internet, out of the blue...a really, really strange thing to have happen. We had people come up and claim they had been hired by us to verify the claims that technology like this originated on an alien spacecraft.

And you've got to understand, we didn't say that it originated on

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an alien spacecraft. We asked the question, "Did it originate...?" Would you run around on the Internet saying this technology came from an alien spacecraft? No. You'd ask the question. You'd say, "Let's put together the evidence; let's find out."

We decided we would approach a higher authority, ask the question to the higher authority and make it a matter of public record. So, who is a higher authority, other than, say, Bill Clinton, that you might go to to ask the question: Did the transistor and subsequent technologies fall into the

hands of AT&T from the Nazi Germans, the Japanese? Well, neither of them had any of this stuff. Secret government project? Well, the United States Government couldn't build any of this stuff. Half this stuff that we saw in the Notebook...even today we don't even have some of the minerals, some of the chemical materials, necessary to create them.

We decided we would ask the Secretary of Defense, William Cohen. In fact, we got William Cohen and then his administrative assistant on the phone, and the head of the Air Force OSI instantly on the phone with us, and sent them a kit and kaboodle of stuff to take a look at. We asked them to come down, take a look at things that we wanted explained in their original context. Well, we've never heard from them about it. We haven't heard from the Air Force or OSI—we filed OSI 9001 pages, demands, with them. We've never heard a single word back from the OSI, the Air Force, the Pentagon. They've kept their distance, accepted the requested requests and violated the law, because under the law, when you give them these demands, they have 30 days to respond. Not a single response. As if to say, "You're not influential enough to get us to respond to these."

In any event, we got nowhere with them so we decided we might embarrass them a little bit. Now, how do you embarrass the Air Force? I mean, sometimes they do a pretty good job of embarrassing themselves! But how do you embarrass the Air Force, how do you embarrass William Cohen, the Secretary of Defense, particularly in a time period when we're in the middle of

an ersatz situation of war with Iraq, when the Cold War is over? You publish your findings; you have to have findings.

I was invited to appear a total of 15 times on radio shows, including Art Bell again, *Sightings*, the Mike Jarmus Show, ABC News, and finally I turned down the Larry King Live show. I'd just about had enough. I was on ABC News, though, about three weeks ago.

We built two of the devices we saw in the Lab Shopkeeper's Notebook. One of them was a semiconductor device. This semiconductor device we called the "Transfer Capacitor", and it has actually shocked the industry. People called me "lunatic" and "liar" and every conceivable name in the book for a period of 11 months as we described the transfer capacitor's unusual capability. It can be made about the size of a molecule, it can be controlled by microvolts of electricity, it produces no heat and it switches at 12 terahertz.

Does anyone know what a terahertz is? Intel Pentium's transistors switch at 500 megahertz or some small multiple thereof. This thing is 12,000 times faster than the fastest transistors we've ever built. We tested it. We actually went out and got some silver alkane from a company in Pennsylvania that makes semiconductor materials. We built one, we tested it. We then realised that we could build it very dense.

We got some friends who operated a company called InMos, who had some semiconductor materials, and over six months—this is two years ago—we built an 8-gigabyte solid-state hard drive in a space about 'yay' big...poker-chip-sized...operating at the same speed, 12 terahertz, capable of replacing the memory of a PC. We subsequently built 2,500 of them and sent them out in the form of test kits for people in industry to evaluate—people who refused to believe that such a thing could exist. We sent them to Rohm & Haas; we sent them to Intel. We got some of them back. People didn't even want to look at them: "What is this nonsense?" Motorola wouldn't take one, interestingly. Texas Instruments took one.

In any event, for six months I had to put up with some of the most obnoxious, insulting, nasty comments you could imagine, even when I was at meetings of my own professional conferences. "The crazy alien guy with his flying-saucer transistor"—that was typical.

Ultimately what bailed us out was that a friend of mine who used to work for IBM, now for Lucent, managed to convince his private funding agency to give Lawrence Berkeley Laboratories a grant to check us out at ACC. He picked Lawrence Berkeley because they probably have the highest integrity of all the physics laboratories in the world—the ones who had the 10,000-foot race-track, made out of 12 million tons of silver, that in 1947 must have knocked Henry Morgenthau right out of his leather chair when it was requested. They tested using the same procedures, but they had a much better laser than we did. We only had a little laser at Princeton. They had a big laser with which they could watch the movement of electrons, and they verified not only the function but the speed. So, Lucent managed to double-check our work, even though it won't officially admit it.

What the "T-cap" or Transfer Capacitor really is, is a metal-insulated dielectric junction semiconductor based on silver alkane.

It works on the principle whereby electrons strike the bond in question, elevate its energy level and, boom, what was an insulator becomes a conductor in a half of a millionth of a billionth of a second! Very fast! It persists for about two thousandths of those millionths of a billionths of a second and turns itself off. We use two of them in a pair, one to refresh the other, and they nearly never lose any electrons. Once we charge them up, they stay charged for an hour. So we only need a tiny bit of power to power them. They produce no heat. We can't measure heat from these things because the heat, if it were there, is absorbed back into the substance, the silver alkane, because of its unusual propensities.

Now, everyone who has ever owned a PC knows how much heat today's computer microprocessors generate. It's unearthly! And the faster they get, the more heat they generate. The power they consume is being turned into heat, like a toaster oven. That's why people call PCs "video toasters". This thing, if it were used to replace the transistors, the 130 million or so throughout your PC, would produce no heat. Instead of consuming 150 watts, it would probably consume one-thousandth of a watt. And it's been sitting on the shelves for nearly 50 years!

In any event, we've got this story, and 9,000 messages and news items about it. Really strange things and people that come on: a fellow by the name of Wang on the private alleged web identities of two very public figures; fraudulent publications about ACC; hackers who hack into our website.

If you go to our website and read through it, you'll be truly amazed. You'll be stunned, you'll be shocked. You will also walk away no longer a sceptic, if you were. If you're someone who believed, you will now see what I call "third party circumstantial evidence" that verifies that something very unusual happened in New Mexico in 1947.

We recently received, courtesy of the Russian Federation, a transcript of a statement on the subject by Leonid Alexiev.

Leonid Alexiev, a Russian General, chaired a blue-ribbon committee to look into this in 1997, when it was brought to their attention when Bill Clinton went to Russia and some students stood up and said, "We saw this website called American Computer, and there it was said that the Defense Department has a UFO in the United States. Is this true, Mr Clinton?" Bill got up and said, "I don't know. No, no, it's not true. But wait a minute. I tried to ask the Defense Department, but they wouldn't tell me."

In any event, the Russians decided to put together this committee, and I don't know if they spent the millions of dollars on our account; they might have. They sent us a copy of the transcript of the report by Alexiev, which was also carried on The Learning Channel, TLC, last week. The Russians have decided there's an alien presence in our solar system, based on all the evidence, on these things they've examined.

They've somehow got a hold of pictures of our transcapacitor from our lab. I don't know how, because we've never taken any. Leave it to the Russians! The KGB doesn't exist anymore; it's called the MSB now, right? And Alexiev has gone public, as have the Russians, and as a result of his report he has now been appointed by...what's the name of the head of the Russian

We built two of the devices we saw in the Lab Shopkeeper's Notebook. One of them was a semiconductor device.

This semiconductor device we called the "Transfer Capacitor", and it has actually shocked the industry.

Continued on page 88



GORDON-MICHAEL SCALLION ON SOLAR FLARES, POLE SHIFTS AND THE GREAT PYRAMID

American late-night radio talk show host Art Bell (who's back on the air after a short break) conducted an on-air interview with futurist Gordon-Michael Scallion on 17th February. This is an edited transcript of that interview. Ed.

Art Bell: Gordon-Michael Scallion has been featured on NBC's *Ancient Prophecies*, Fox TV's *Sightings*, A&E, The History Channel, *The Roseanne Show*, *E! Entertainment*, CNN, and in the *Wall Street Journal*, *Details* magazine, *Rolling Stone* magazine and numerous other publications, radio and TV shows. He will be featured in upcoming TV episodes of *Unsolved Mysteries* and The History Channel's *The Millennium*. Gordon-Michael Scallion is editor of his bi-monthly publication, *Earth Changes Report*, where his predictions and teachings are presented. He is author of the best-selling book, *Notes from the Cosmos: A Futurist's Insights into the World of Dream Prophecy and Intuition*, now in its fifth printing...an autobiography about his life as a visionary, and containing his global Earth-change predictions for the years 1991 through 2112.

Well, I'm just a lay observer with regards to the weather, but it's obvious there's a profound change under way. Now the only

question I have as a casual observer is: Is this change we're in short and cyclical, or long and profound and serious? What are we into—more tornadoes? You were right about that; you called that one on the money. And violent weather all over the place? Now what are we in for, where are we going with this? Is it going to get better or worse?

Gordon-Michael Scallion: Actually, this is part of a cycle. El Niño is a cycle, but it's forced scientists to rethink cycles. It's forced them to look at things much differently because they are much longer, much more intense than they ever have been before. And it seems like we've been in this cycle for years now, and what we're seeing is...each year we're seeing an increase in the amount of weather-related destruction.

In December of last year, for my predictions for '99, the key things that I saw, at least for the United States, were record numbers of tornadoes and floods that far exceeded the floods that I had predicted for '93, the Mississippi floods...far beyond that. And so we're going to see, this year, weather-related issues. Massive floods and the tornadoes are going to continue.

AB: What's happening to us, Gordon?

GMS: The trigger for all of this, I believe, can be found in the core of the Earth. I address it pretty thoroughly in my book, *Notes from the Cosmos*, where I talk

about how the core of the Earth has shifted its position ever so slightly. That set into motion a lot of changes that are forcing magma to change its directions, and it's literally outputting more heat, if you will, or allowing more heat to exit through the various layers. Since the Earth is predominantly water, it makes sense logically, to me, that that heat is going to end up in the oceans.

AB: So this is energy coming from within?

GMS: Coming from within. And I believe this is the true cause of El Niño. I believe that the winds...and the current scientific theory only drives those...but the initial source is coming from within the Earth.

Now, coupled to that is something both you and I know from our ham radio experience, that the Sun also goes through a cycle of approximately 22 years. We know it as the 11-year sunspot cycle, and we're coming up to cycle number 23, I believe.

AB: As a matter of fact, Gordon, 48 hours ago, for the first time in the ascension portion of 23 we hit a solar flux index of over 200.

GMS: Yeah. That was another prediction that I had made in my book, and I also had said it later last year. I said in my predictions for '99 that the thing to watch for was that we start to have massive amounts of solar emissions. Now, that in

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turn feeds back to the Earth and causes more heat to come out of the Earth as well, so it's like a symbiotic relationship that's dancing back and forth.

All of this is caused by the precession of the equinoxes or the cycle of our Earth's rotation in the Sun's system as we go through the ages. Most people are familiar with the astrological ages of Aquarius and Pisces and so forth. That grand cycle is approximately 26,000 years, and at the extremes of that cycle, approximately 13,000 years, there's massive devastation of the Earth. The last one we had was approximately 12,500 years ago where we had all the weather changes on the planet...it was global. They found thousands upon thousands of animals frozen in Russia in their stride.

As you know, the last time I was on your show—I think it was July of last year—I said that I really felt there were great changes coming up by November, weather-wise, and that it wouldn't surprise me if we had some massive solar flares. And also I felt that the temperature of the planet had just increased and we probably were going to break a record. So last year we did break a temperature record. Now I expect that that's going to happen again. It doesn't make sense; the scientific community is saying "No!".

The reason that I think that weather changes are just beginning, not trailing off as being reported, is because we now have another cycle adding to our own Earth core shift. That's the solar flare cycle that we're into now. And these flares are going to be

much higher—they already are higher—and the magnitude is such that it's going to cause shifts in the jet stream. So we're going to see incredible amounts of moisture that's going to come to the deserts of the United States.

As flares continue to occur, if many of these regions happen to be pointed in the right direction, or perhaps it's the wrong direction and the Earth takes some major hits, these hits are going to not only disrupt electrical...I mean everybody's worried about Y2K...but the grid is what we really should be worried about.

And that's what I see happening. So you know, the United States...tornadoes, hailstorms...I mean, there'll be hailstorms with hail the size of softballs—massive amounts of damage from hail. And then the winds will pick up—not only tornadoes, but also just very strong gusts of winds. We're going to see winds that are going to hit hurricane velocity.

AB: Now, I kind of know where you're going here. I know a little bit about this, Gordon. As we get hit with flares or ejecta from the Sun, we are substantially protected by our magnetic field.

But there have been disturbing reports of fluctuations in the magnetic field lately, and I've had some people say we could get hit with such a big one that the Earth's magnetic field would somehow not quite protect us from it. And the result of that would be quite catastrophic.

GMS: It could be the trigger for a magnetic pole shift. In fact, my visions have indicated that that's exactly what will hap-

pen. Not necessarily this year, though it may begin in some small level this year.

When those flares hit and the magnetosphere just bulges out, and when it couples into the Earth we get what we know as auroras or aurora borealis. When we couple that kind of energy in, it creates not only a disturbance electrically, at the poles, but that same disturbance becomes part of the electrical system of the Earth and the magnetic field of the Earth.

Now one thing that is going on now and has been going on for some time is that the Earth's...the strength of the Earth's magnetic field has been declining and has been declining steadily.

AB: That's what I've heard.

GMS: Now, we know...due to these core sample tests that they took all around the world...they knew that just before the poles—the magnetic poles—shifted their position, the magnetic field dropped. And so we're in that cycle as well, so this is just another thing that we can look at to see what kind of things are really going on that may have some past credibility. We study the past scientifically so that we can then extrapolate the future. And so I believe that we're going to have some whopper flares; and before the Y2K hits, the flares will have already hit.

AB: Gordon, if we went through a shift, a partial shift of the kind you described a little while ago, what would happen to us?

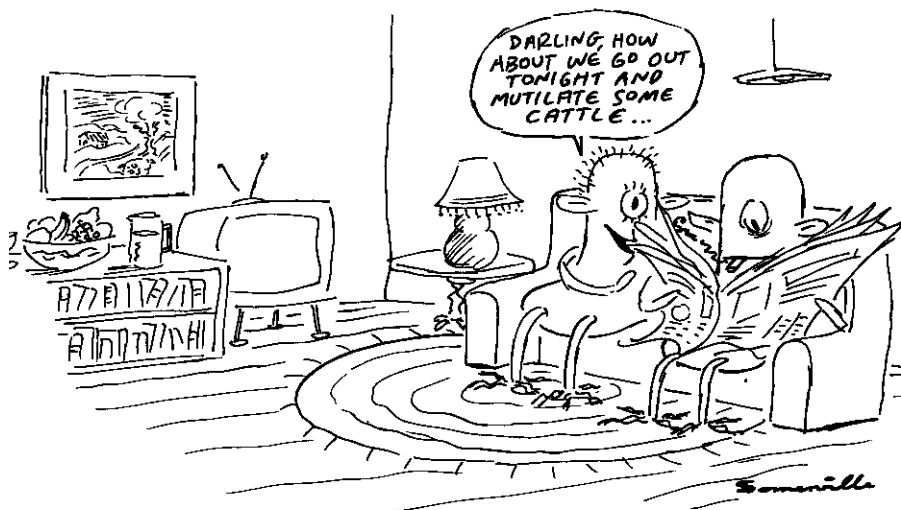
GMS: Even a permanent shift of a few degrees would be catastrophic. What happens is that immediately we shift all of the elements of the Earth, the stirring winds of the planet would shift very abruptly. If it were seven degrees, like I see happening, three times for a total of some 20 degrees, that would be significant enough so that the weather of the entire planet would change, and it would happen almost instantly.

The first thing that would happen with the shift...obviously electrical devices are going to have a problem, the grid is going to have a problem, especially if it was triggered by a solar flare, if that was the cause of it.

AB: Right.

GMS: Immediately, high/low pressure points of the planet would change and winds would start, probably within minutes, and build in force. And so we would see winds of 200, 300, 400 miles an hour that would move at different places on the planet.

AB: Gordon, I've seen typhoons hit



South Pacific islands and Pacific islands. I lived on one and they build flat concrete houses because of the winds. A 300 or 400 mile-an-hour wind would...well, I've seen typhoons actually flatten islands completely, take every structure off, "poof", gone like it doesn't exist...300 to 400 miles an hour, there wouldn't be anything left.

GMS: Even more difficult, since our planet is...a majority of water, we're going to see water being pushed everywhere. So water movement will be incredible. We would see tsunamis that could reach Empire State Building kind of heights and beyond. Somewhere that energy has got to be dissipated. If we look at it as energy being released...the magnetic shift is like letting off lots of nuclear bombs, and that energy is going to spread out and it's going to dissipate until its energy has expended itself, and it only expends itself by moving to different portions.

AB: Now, Egypt...the pyramids. On 31st December at midnight, they're going to put the gold capstone back on the Great Pyramid. That should be a rather interesting, interesting moment, I would think.

GMS: Yeah, I don't know anything about that. I haven't heard anything about that. I went to Egypt...my guides sent me there four or five years ago and directed me to go to the Great Pyramid, so I went just as a tourist; I didn't go with a group. I booked it, and within two weeks we were there. And when I was there I had non-stop visions; I spent probably a day or two just receiving vision after vision after vision about that site.

While I was there I went inside of the Great Pyramid. It was built as a machine. The construction of it...the whole Giza Plateau which includes...three pyramids—Cheops is the Great Pyramid—and then the Sphinx is there, and there are other structures around, and they have since found some boats and other things. When I was seeing it...there was only just the construction of the Great Pyramid. Yet there was another item there; it wasn't the Sphinx, but it was in the same area as the Sphinx. It was a large head, a huge head, with a likeness of somebody who...it would have African qualities to it. I remember seeing that, but there was no other stuff but there was all this construction going on. There were black people working, there were bronze-coloured people working, there were white people working.

And I looked in the sky and I could see

these huge flying machines. They were like the Goodyear blimp, that's all I can remember. They looked like blimps but they were silent, and underneath of their baskets they had these ropes and they were carrying blocks to the site. They were bringing these blocks up, coming up the river, and then they would anchor off and would unload these blocks. And so I watched the construction of it.

In the Grand Gallery I saw this instrument which was a very huge machine that had rollers in it; on the ceiling and on the floor and on the two walls, tracks. And this machine moved up and down, kind of like an elevator would but at an angle; instead of vertically it moved at an angle. And there was a kind of a likeness of a bird; it was a strange-looking bird, though, but very large. And in its talons it had this faceted, clear...looks like glass, could have been crystal; I don't know what it was, but I could see that. And the machine itself would move silently up and down on this thing, in these tracks. Yet there was no opening where it could shine through anything, so whatever was happening I realised it had to happen at some other...there was nothing to block it.

And that's when I started getting all these communications.

These guides came to me and said, "We will tell you what this machine was used for." And they said, "Basically, the best that we can tell you is that it's a machine; it's a time machine."

AB: A time machine.

GMS: It was designed as a form of an observatory that allowed study of the Earth's position in the heavens. That was very critical to this machine. So they were able to study the heavens with a kind of a telescope that didn't have an optic system. It worked on another principle entirely, and that's what this little carriage did: moved up and down, tuned if

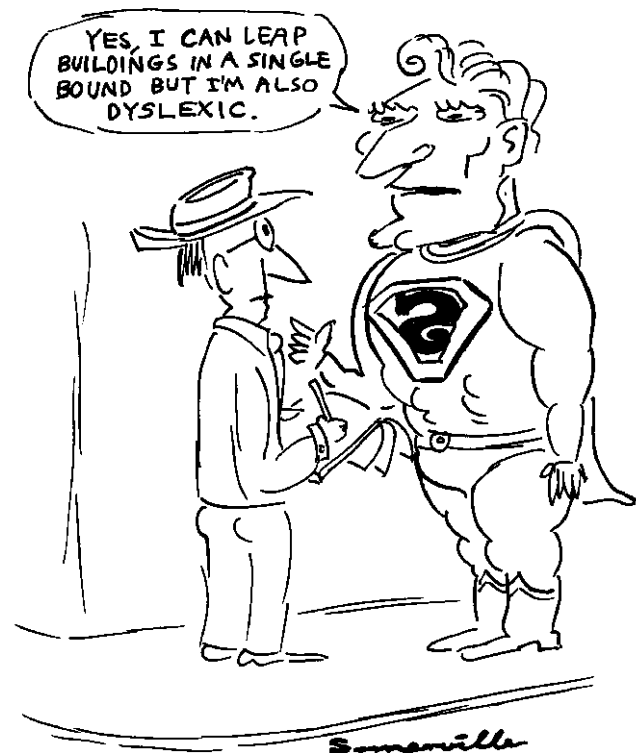
you will to the quadrant of the sky that it wanted to look at.

But in addition to that...you sat inside or laid down inside of the...King's Chamber, in the sarcophagus. And that's part of the machine itself. People came to go through a period or a process of initiation there.

So, if you could imagine designing a machine, kind of like an observatory of today where you would go, where you might learn about the stars... But not only would you learn about the stars and the heavens and how these cycles in the heavens affect the Earth—which is very important because they knew great changes were coming, because that was part of the reason for designing this thing—the other part of it was that by being in certain chambers... now there are only three chambers that are known—the Queen's, the King's, and what they call "the Pit"—however, my information said that there are seven chambers above the Pyramid and seven chambers below the Pyramid.

AB: I'm certainly aware of some above already.

GMS: Yep. Then on top of the Pyramid...there's no capstone on there currently, and the question was whether there ever was one. But the one that I saw, and



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they said that it would be found...in '95 it would be found...well, nothing's come out that's indicated they've ever found it, so I assume that that prediction's a miss until it shows up some day.

But they said that it was an alloy of copper and gold, and it was hollow and metal and it sat on top of the Pyramid. And that there was a passageway internal to the Pyramid that allowed...stairs that allowed exit at the top of the Pyramid so people could go up inside of the top of it. And it was an integral part of the machine in some fashions: it would work without it, but with it, it allowed other things to go on.

The other things that it allowed to go on were that when the instrument was fuelled, and it was fuelled by gases, those airshafts that everybody talks about were never airshafts—in fact, they were sealed...cut halfway into the granite; it's only by chiselling away that they can actually find them—but they were like valves, if you will. They were conduits that were able to measure the pressure that was inside of this machine, because, when these gases were activated, incredible pressures were exerted inside the machine.

And the gases, along with the star energy that they were collecting, and the instruments allowed this machine to actually bend time. They could actually look at a star and not see it as 10 light-years away; they could look at the star in today's time. So that was the big...it's like a big breakthrough in an observatory today. Instead of looking at something that died 10 years ago, you can see it in real time.

AB: You have just given me more new

information on the Pyramid than I could have ever imagined. And all of this came to you when you were there?

GMS: It came to me there. In fact, it was so remarkable to me that I published it in my newsletter immediately, and then I continued getting information, and then it was so much that I had to put it in a book. It was just more than I could gather because the details, they came...the specifics of how they built it, and what things are used for, and its location on the Earth. There was just so much data. And then I stayed there...I never left the Giza Plateau. We had plans to do all of Egypt but I just kept going back...and when I'd go back, that same guy would be there and he would just let me in.

AB: I have one other piece of news for you that you may not know. The same man, Dr Hawass, has just announced that he plans...as you know, it's closed now...he now has plans to permanently close the Great Pyramid. Isn't that interesting?

GMS: Well, I have spoken with him. He called at one time just to ask my insights on things, and I told him what would be found next and where it would be found. I gave him the actual specifics of it, of how to find it and where to find it. And then he just thanked me and said goodbye, and that was the last conversation we ever had. So I never knew, from '95 on, what ever happened with that information.

The information that I had was that underneath the Sphinx were these large chambers...and how to get access to it and where it leads to and, more importantly, the archives that are stored there. It's like a

time capsule. There is a series of rooms that have artifacts from...some of the artifacts date back 200,000 years. Most of the artifacts are current to that day, which was 12,500 years. It's a whole history of the culture, who built it, why they built it, and, most importantly, predictions that they left behind for a very specific time in history.

AB: Do you believe, Gordon, that the world is now ready for the information that would be revealed should that be opened—in other words, that we...our origins are not as we thought but, rather, there have been people on this Earth, or creatures on this Earth, long, long ago? Is the world ready for that?

GMS: We are. I think that perhaps we've been ready for a little while. Part of what science has done is enable us to date a very civilised, very intelligent human being 10,000 to 20,000 years. We've got digs in Turkey and other places that date 18,000 to 20,000 years, where they have tile and plumbing. And we've got a lot of stuff that we've found that doesn't make any sense. It's found in strata that we can date to 50,000 years, but it doesn't make any sense because they couldn't possibly have had that technology then!

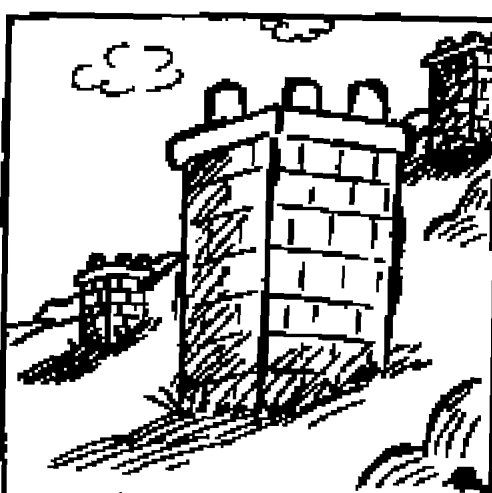
We're in this acceleration that we talked about earlier, with the Internet. With all of this energy that's moving so fast...you know, 20 years ago if you had your show and you were talking about aliens, my guess is—and I think the statistics would have proven it—that it was in the minority for the people to believe that there's life out there. Here it is now: I don't know when was the last time they ran that survey, but I'm willing to bet you that it's better than 70 per cent.

AB: I'll bet it is, too. Gordon, hold on, we're at the top of the hour. You can order a copy of this program, folks, by calling 1800 917 4278 [USA only].

(Source: Art Bell, <www.artbell.com>; transcript by Wayne Sander, <wbsander@aol.com>, 3 April 1999. See Scallion's Pyramid Visions, NEXUS 2/26, first published in Earth Changes Report #44, May 1995, <www.matrixinstitute.com>.)



EASTER ISLAND



CHRISTMAS ISLAND

MILITARY MIND CONTROL AND ALIEN ABDUCTIONS

***Covert
military/intelligence
research into mind
control and
cyberwarfare may
have been
expanded to
include invasive
experiments on
alien abductees.***

by Helmut Lammer, PhD
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Alien abductions are a very strange and complex phenomenon. For sceptics, most journalists and the public, it is hard to believe that abductions by non-human beings have their basis in physical reality. Reports of alien beings entering bedrooms through walls and levitating abductees through closed windows into a waiting UFO are hard for the open-minded researcher to believe, too.

Recently some alien abductees have said that they were kidnapped by covert military/intelligence personnel and taken to hospitals and/or military aboveground/underground research facilities where they were examined, interrogated and sometimes implanted with tiny devices. Such experiences are called "MILABS"—military abductions of alleged alien abductees. Not many of the popular books on the subject of alien abductions mention these experiences. Especially disconcerting is the fact that these abductees recalled seeing military/intelligence personnel together with alien beings, working side by side in these secret research facilities. The presence of human military and/or civilian personnel inhabiting the same physical reality as the alien beings exceeds the mindsets of the sceptics and the open-minded researchers by several orders of magnitude.

For our new book, *MILABS* (co-authored with my wife, Marion Lammer), we reviewed hypnosis transcripts of MILABS abductees and compared their recovered memories with the experiences of survivors of now known, declassified, government-sponsored mind-control or behaviour-control experiments. We found a strong indication that covert "human" military personnel are involved in the alien abduction phenomenon.

In coming to such a conclusion, we researched the following points in our book:

1. Documented history of secret mind-control and behaviour-control experiments;
2. A possible purpose of MILABS;
3. Activity of dark, unmarked helicopters in connection with alien abductions;
4. Alleged kidnappings of alien abductees by covert military/intelligence personnel;
5. Genetic aspect of MILABS;
6. Otherworldly journeys and military underground facilities;
7. Creating an imaginary alien abductee;
8. Towards a controlled society: terrestrial implants and their application to MILABS and future warfare;
9. Military interrogation sessions with alleged alien abductees.

In this article I will address the implant situation, since some MILAB abductees report that their military kidnappers showed an interest in tiny foreign devices which were implanted in their bodies. In some MILABS cases, a military doctor is said to have searched for implants and sometimes implanted the abductee with a military device. Therefore, it is important to offer an overview of terrestrial implant research and technology, and their applications for covert operations like MILABS.

Implanted electrodes were being used on unwitting persons as early as 50 years ago. Swedish researchers have evidence in X-rays of operations that took place at Karolinska Hospital in 1946 and Sachska Children's Hospital in 1948, both facilities located in Stockholm.¹ The mother of one such victim claimed that she'd heard her son Bengt's screams from the lab room during an unscheduled visit. As she rushed in, she saw a surgical team and nurses who ushered her out, although she witnessed how they were driving a large number of electrodes through the base of her son's skull. Bengt has suffered for over 48 years from these medical experiments and has spent several years of his life in a psychiatric unit.

During the late 1950s and early 1960s, neuroscientist Dr José Delgado invented and experimented with the Stimoceiver, an electrode capable of receiving and transmitting

electronic signals via FM radio waves. Such a device, implanted in the brain via the sinus cavities, will act as a powerful stimulant when activated by FM radio waves. One can speculate that the Stimoceiver has since been modified to receive stimulation from microwave pulses and is capable of wielding a great degree of control over the implanted victim's response mechanisms.²

Implant technology was developed after World War II. During the Cold War, both superpowers, the USA and the Soviet Union, researched intracerebral mind control, electronic stimulation of the brain (ESB), biological radio communication and bio-telemetry for mind and behaviour control. By means of a two-way radio communication technology, or telemetry, an electromagnetic wave broadcasts to a receiver/transmitter located under the skull or in the brain. This signal then records the brain activity and relays it to a computer for analysis, by which all aspects of the subject's life can be monitored.

Gruppen, a Swedish organisation opposing illegal human mind-control experiments, and similar organisations have collected large amounts of evidence showing that various military/intelligence agencies are engaged in secret implantation projects.^{1, 3, 4, 5} These organisations are in contact with many victims, all over the world, who believe they have been implanted and who experience strange mental anomalies but have nothing to do with the UFO/alien abduction community.

One of the best-documented cases of the implantation of unknown electronic devices is the case of Mr Robert Naeslund. The first doctor to support Naeslund's struggle to show how he'd been used was Prof. Peter Lindstrom, at the University of California, San Diego, who wrote in a letter to Naeslund:

"In response to your most recent letter regarding the Roentgen films, I can only confirm that some foreign objects, most likely brain transmitters, have been implanted at the base of your frontal brain and in the skull... I fully agree with Lincoln Lawrence who, in his book, *Were We Controlled?*, wrote: 'There are two particularly dreadful procedures which have been developed. Those working and playing with them secretly call them RHIC (Radio-Hypnotic Intracerebral Control) and EDOM (Electronic Dissolution of Memory).'"

Robert Naeslund describes his story in a report which is available from Gruppen:

"It was on my first occasion with the police, 10 March 1972, that I was put to sleep without my consent, and when I awoke a few hours later it was to a whole new life circumstance. The first thing I was aware of was a deeply disturbing radio signal in my head. As one can see from X-ray pictures, this transmitter had been inserted through my left nostril. Dr Lindstrom's reference in his second letter to the process as 'Electronic Dissolution of Memory' is a fitting description of what was an obvious change of my memory functions because of the intensive radiation."

What is clear is that the exploitation of human beings in secret mind-control experiments has given rise to a new mentality amongst those involved.

The following story shows that the same sort of abuse, with unwitting people being implanted with radiotransmitters, goes on in New Zealand as in the USA, England, Scandinavia and many other countries of the industrialised world.

Mrs Janine Jones had just graduated as a sociologist from Massey University in Palmerston North, New Zealand, and had a bright future ahead of her. This was until everything changed, as she explained in a letter to the Prime Minister, James Bolger, in 1996:

"I am writing to you for help. I ask that your intervention in this matter be an imperative. For the past seventeen months now, I have been targetted by some form of technology which has done considerable personal damage to me... Evidence gathered from research has shown that military agencies, in particular the intelligence service, has the capacity to use and does access this mind-bending technology which can maim and ultimately destroy people."

Mrs Jones has very good evidence to back her case, since Dr Richard Thompson from England has analysed her X-rays and issued a radiological report, dated 10 June 1997, as follows:

"Lateral projection shows a foreign object implanted in the frontal lobe directly adjacent to the nasal passages. This object is most probably a radio-transmitter.

"Interference in blood-circulation is spreading over large areas of the brain, concentrated in the frontal lobe and in particular around the implanted foreign object... It is highly likely that this

blood-flow impairment is the result of the radio-signal emanating from the transmitter. This, in turn, causes a depletion in oxygen levels and a reduced nutrient supply to these areas of the brain, where changes in neurological activity are inevitable."

British implant victim Mr Nico N'Tumba described similar effects to other victims who claim that they were implanted by people unknown.¹

"Concerning the brain implant in my head, it has been performing without my knowledge or consent... What's very outrageous is that I am sharing all my vision, thought

images, hearing...with people around me, as the security services are engaging in a large-scale propaganda drive to smear my character, background, behaviour, emotions and motives... I have no privacy at all... I am not a spy, I am not a criminal, I am not a terrorist. Being an innocent victim of MI5...my persecution started in June 1988..."

Mr N'Tumba has X-rays in his possession that were reviewed by medical experts in Stockholm, Sweden. The doctors confirmed that a tiny transmitter has been implanted in his left nostril. Furthermore, one can see that electrodes placed in the occipital lobe are blocking the blood flow, causing oxygen depletion. This is seen as well in his frontal brain, just above the implanted transmitter. Moreover, Mr N'Tumba has obviously been anaesthetised without his knowledge, or this implantation could not have been performed.^{1, 8}

Interestingly, UFO abductees have been reporting since the 1960s that alien beings were implanting them by placing small objects up their nose through the nasal passage and sinus cavity. An important fact is that transnasal implantation is in common use in neurosurgery.^{9, 10, 11, 12}

A secret agency, interested in tracking and monitoring physiological information about an alien abductee during an alleged alien abduction experience, would also use biomedical telemetry.

Biomedical telemetry is defined as a special area of biomedical

Gruppen, a Swedish organisation opposing illegal human mind-control experiments, and similar organisations have collected large amounts of evidence showing that various military/intelligence agencies are engaged in secret implantation projects.

instrumentation that permits transmission of physiological information from an often inaccessible location to a remote monitoring site.¹³ The transmitting unit can be implanted within the subject's body. Animals have been monitored with bio-telemetry for about 30 years. By using telemetric systems as a method of monitoring alien abductees, the military could obtain physiological data such as information on respiration, muscle tension and the presence of adrenaline in the bloodstream.

Recently, the Austrian TV broadcaster ORF2 reported in its weekly scientific magazine program, *Modern Times*, that medical researchers sponsored by the German Government have developed a brain-implant for monitoring people for heart attack prevention or other medical purposes.¹⁴ The bio-telemetric brain implant is the size of a rice grain (0.8 x 2 mm). It was reported that this 21-million-dollar "civilian" research project was given a top priority by the German Science Ministry. The whole report was propaganda for the "medical" use of brain implants. Quoted were medical doctors who envisioned that in the near future "everybody" would be implanted with such a device. They claimed that 300,000 people per year suffering from heart attacks in Germany alone could be protected with this bio-telemetric monitoring technique. Sadly, nobody reported the negative aspects of this technology.

If the visions of some doctors and governments come true, that everybody will be implanted and monitored with such devices, then George Orwell's *1984* will look old-fashioned. Cognitive manifestations and activity, such as thoughts and visual impressions or emotions, and behavioural and psychological reactions would continually be registered, making it possible for secret military/intelligence agencies, medical scientists and the government to observe an implanted individual in a deeper and more comprehensive way than could the person himself. Through analysis and manipulation via computer, it is even possible for changes in an individual's physical and mental status to be effected. The potential of intracerebral remote control is limited only by the imagination of the researcher.

MILAB abductees like Debbie Jordan and Leah Haley have reported that doctors removed implants from the ear. During an hypnosis session, Leah Haley reported the following scenario:¹⁵

"There's some kind of black machine over my head. I think they're giving X-rays with it... They are people! I keep expecting to see the alien creatures, but they're people. Humans. That man is wearing a white lab-coat... There's a sheet over me... It looks like a hospital room... I am on a hospital bed, like an operating table. There is another operating table to my left and a bluish-green curtain, but it's open. There's medical equipment in here... I see only men, but I can't see them clearly because I've been sedated or something. I don't know where I am. I don't know how I got here. I don't know who these people are. They are standing against the wall... Three. One of them is wearing a white lab-coat. I can't see his pants; I am lying down... My right ear is hurting badly... A man in a khaki uniform asks the guy in the lab coat, 'Did you get it okay?' The man in the lab coat says, 'No problem.' Then the man in the lab coat says, 'Yeah, I've got it right here.'"

One can see from this hypnosis-recovered memory of a MILABS experience that the doctor in the white lab-coat probably removed an implant from Leah Haley's right ear after she was X-rayed.

We speculate and present more information that covert military units implant people who experience alleged alien abductions, and monitor them during an abduction experience via bio-telemetric implants, tracking devices, etc. On the other hand, there is also evidence that some abductees are being used for secret implant tests.

There are CIA documents, released under the US Freedom of Information Act, which document that the American spy agency researched implants during its *MKULTRA* mind control projects. Interestingly, there exists a research proposal where the CIA proposed secret field studies on humans in the 1960s. This is the time where the first alien abduction cases, like that of Betty and Barney Hill, came into the open. One could suggest that there might be a connection between covert implant/mind-control field studies and alleged alien abductions.

We show in our book, *MILABS*, that there is also a great military interest in implants today. A recent paper published for the Air Force, looking ahead to its technological needs in the year 2025, has the title, "Information Operations: A New War-Fighting Capability".¹⁶

In this paper, the authors also write about a brain-implanted cyber situation.¹⁷ They propose implanted microscopic brain chips to perform two functions. Firstly, the bio-chip connects the implanted individual to a constellation of integrated or smart satellites (IICs, or Information Integration Centers) in low Earth orbit, creating an interface between the implanted person and the information resources. The implant relays the processed information from the IIC to the user. Secondly, the bio-chip creates a computer-generated mental visualisation based upon the user's request.

The visualisation encompasses the individual and allows the user to place himself into a selected "battlespace".

In addition, a wide range of lethal or non-lethal weapons would be linked to the IIC, allowing specially authorised implanted users (super-cyber-soldiers) to employ these weapons directly. This means that a soldier would be capable of viewing the normal world plus an overlay of information identifying and describing specific objects in his field of view. He would now be able to evaluate the threat those targets represented, and order a variety of weapon systems to engage and destroy the targets from a distance.

The military study concludes that cyber-soldiers should converse with computers. The authors write in their paper that the missing piece is a better way to format and transmit information from the digital computer processor in the computer chip to the analogue human processor in the brain. A solution to this problem would be the development of a nerve chip: an electronic interface for individual nerve cells to communicate with a computer. This human-machine linkage would enhance the human capability in many ways. Artificial eyes would convert video to nerve signals. By using the same technique, it would be possible to superimpose computer-generated information in front of one's

There are CIA documents, released under the US Freedom of Information Act, which document that the American spy agency researched implants during its *MKULTRA* mind control projects.

field of view. This technology could be used to enable individuals to achieve an ultimate virtual reality trip.¹⁷

The California Institute of Technology has developed an energy-efficient computer chip which emulates the analogue thinking of the human brain. It is specifically modelled on the construction of the cerebral cortex. In the future, this chip could provide the baseline for a brain implant hooked to all sensory segments of the brain, not just the eye.

It is also interesting that the brain implants to be used for the propagated cyber-situation should disintegrate if the implanted soldier were captured or killed by the enemy. The chip would need to disintegrate so it could not be extracted by the enemy for reverse-engineering.¹⁷ Further, when faced with events of espionage and defections of friendly users to the enemy side, the IIC satellites would have the capability to deactivate and disintegrate the offender's implanted chips.¹⁷ Interestingly, implants that disintegrated after removal have sometimes been reported by persons who claim to have been abducted by aliens.

One can see from such military studies that secret research into the human brain/machine interface and virtual reality implants is already underway. Some of the references in the "2025" paper refer to military research institutes where the materials are classified and not available to the public.

The authors write that the implantation of devices in human beings raises ethical and public relations issues today. Everybody who is in the possession of the IIC brain-implant technology would be a "Big Brother" who could watch over the whole globe. We should ask who the guinea pigs are in these futuristic research projects.

Interestingly, the paper's authors suggest that concerns about implanting things in the human organism may be founded on today's thinking; in 2025, the notion may not be as alarming. It seems that we are moving to a "monitored" and "implanted" society.

This short excursion into the "white" and "black" world of terrestrial implant research shows that the technology for monitoring or manipulating alleged alien abductees has been here for a long

time. So, claims by MILAB abductees and mind-control victims, that covert military doctors implanted them with tiny bio-chips, may not be fantasies. ∞

POSTSCRIPT: MILABS Research Information

Following the publication of my third MILABS article in the *MUFON UFO Journal* (no. 372, April 1999), several of my more vocal critics have tried to make life "difficult" with my employers.

So, I would like to inform all readers that my research into UFO phenomena, abductions and MILABS is not connected with my work as a space scientist and does it represent the opinion of my department, my director, etc., nor is it supported by them. This research is entirely private and comprises only my own hypothesis which is supported via investigative journalism.

I also do not claim that the whole US military and related intelligence agencies are involved in alien abductions, UFO research, kidnappings of abductees, examinations, etc. And I am not anti-American!

However, it is my democratic opinion that there are indications that covert human forces may be involved in the abduction phenomenon.

It is a known fact that parts of the US military/intelligence agencies did experiment on unwitting people during the Cold War, although this practice

was illegal (see *New Scientist*, no. 1961, 1995; no. 2030, 1996; no. 2058, 1996).

— Helmut Lammer, PhD

About the Author:

Dr Helmut Lammer is an atmospheric scientist who researches UFO and related phenomena during his free time. He is the author of several books and scientific papers. His new book, co-written with his wife Marion, is *MILABS: Military Mind Control and Alien Abduction* (published by IllumiNet Press, May 1999). It contains much more information on alleged military involvement in the alien abduction mystery than could be presented in this article.

The California Institute of Technology has developed an energy-efficient computer chip which emulates the analogue thinking of the human brain.

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REVIEWS

BOOKS

Reviewed by Ruth Parnell

HOW TO SURVIVE THE Y2K CRISIS IN AUSTRALIA: The Essential Guide for Every Household

by Chris Gilbey

Publisher: Bantam, Australia, 1999

ISBN: 1-86325-180-4 (247pp tpb)

Price: AUD\$17.95

Available: **Australia**—Random House

No one really knows what's going to happen when the computer clocks tick over at midnight on 1 January 2000. But it's better to be prepared for the worst and hope for the best, to paraphrase Chris Gilbey's philosophy in his guidebook, *How to Survive the Y2K Crisis in Australia*. And best to start preparing now—as individuals, families, groups, communities and businesses—if you've not yet begun to consider the so-called Y2K problem seriously.

Chris Gilbey, a leading technology, information and media consultant (and a speaker at this year's NEXUS Conference), adopts a common-sense approach to the problem without resorting to rhetoric or suggesting we all don combat fatigues and head for the hills to join the survivalist movement.

But, when governments, water and power utilities, airline companies and so on cannot say with certainty that there *won't* be any disruption to normal services "when the chips go down", it's time to take ownership of the solution, create a safe haven, run your own in-house Y2K audit and ensure you're supplied with essentials—water, food, energy supply, medicines, clothing—for we may have to become more self-reliant than we're

used to, for a little while at least.

The hypotheticals and scenarios that Gilbey describes are indeed cause for concern. If, say, you work or live in a high-rise building, where air conditioning, power, water and sewage systems may not be Y2K-compliant, it may be a wise to consider relocating over the new-year period.

Gilbey includes checklists, survival rules, supply lists and emergency service resources to help Australians prepare for Y2K (or any crisis, for that matter) without panic.

THE CONSPIRACY READER

compiled by Al Hidell and Joan d'Arc

Publisher: Citadel Press, USA, 1999

ISBN: 0-8065-2041-8 (354pp tpb)

Price: £14.95; NLG f45.90; USD\$18.95;

CAD\$27.95

Available: **UK/Europe**—enquire NEXUS offices; **USA**—Carol Publishing Group, 120 Enterprise Ave, Secaucus, NJ 07094, tel (201) 866 0490; **Canada**—Canadian Manda Group, Toronto, Ontario

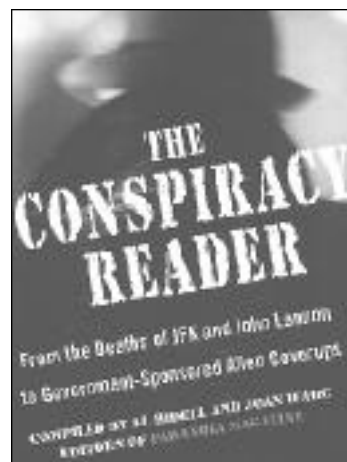
There's nothing like a good conspiracy theory to get the mind working overtime. And one conspiracy zine that enjoys "underground" respect is *Paranoia: The Conspiracy Reader*, started up on Rhode Island, USA, in 1992 by a loose-knit bunch of conspiracy truth-seekers. Its editors admit that they don't necessarily agree with everything printed in its pages, but they also realise that serious subjects don't always have to be taken too seriously, and that sometimes it's necessary to have a modicum of humour and irony to cope with the mass of competing conspiracy views out there.

The editors of *Paranoia* have compiled a selection of their favourite stories over the 1993–1997 period in *The Conspiracy*

Reader, which is fortunate for all those who have not had access to this relatively small-distribution US zine.

To give an idea of the contents, section headings cover: JFK, with reference to the Gemstone File; Suspicious Deaths, from John Lennon to Yitzhak Rabin; and the UFO Enigma, from Virgin Mary sightings to David Bowie's space oddities. If that weren't enough, the editors reveal samplings of government crimes and cover-ups from FEMA to the TWA 800 missile theory; media manipulation and CIA psy-ops; and Hollywood-connected cults and secret societies. And no conspiracy book is worth its salt without some analysis of the theory of AIDS as a man-made disease, secret Nazi UFO technology, Gulf biowarfare or the dangers of aspartame.

This compilation can't be expected to cover all possible conspiracy angles and spins, but it does its job well in presenting an interesting variety of material.



REVIEWS



BOOKS

SUPPRESSED INVENTIONS & OTHER DISCOVERIES

edited by Jonathan Eisen

Publisher: Avery Publishing, USA, 1999

ISBN: 0-89529-809-0 (546pp tpb)

Price: AUD\$40.00; NZD\$call; £11.95;

NLGf38,90; USD\$15.95 + p&h

Available: **Aust/NZ/UK/Europe**—NEXUS offices; **USA**—Avery Publishing Group, Garden City Park, NY, tel 1800 548 5757, website <www.averypublishing.com>

The first edition of *Suppressed Inventions and Other Discoveries* (1996) was for many people their first eye-opener on a world where groundbreaking ideas and inventions that could solve our energy, environmental and health problems could actually be suppressed and prevented from being applied for the common good of humanity. Now, editor Jonathan Eisen has completely revised and expanded this compilation with new sections, commentary and material.

The first section considers the suppression of alternative medical therapies and therapists such as Hoxsey, Rife and Gerson; the cover-up on the dangers of fluoridation, dental mercury amalgam and vaccinations; and the role of the FDA, AMA, NIH, NCI, etc. in keeping the truth hidden. Next is the suppression of unorthodox science, from Wilhelm Reich's orgone energy and Patrick Flanagan's Neurophone, to Velikovsky's cosmic catastrophe theory and the burial of archaeological evidence that tells a different story of our past from the mainstream line.

The third section looks at suppression of UFO technologies, with contributions cover-

ing independent antigravity research, alleged NASA sabotage of its own missions, and Air Force and CIA cover-ups of alien contact.

The final section highlights the suppression of fuel-saver technologies and 'free' energy resources, from Tesla, Moray, Pacheco and Hendershot, to water-powered cars and energy-efficient carburettors.

Some of this information is already familiar to NEXUS readers, as a good deal of it has already been published in our pages, but that shouldn't deter aficionados from getting hold of this super-compendium. It's essential reading for anyone who wants to know why the world is in a mess, but that something can still be done to fix it.

THE SECRET ZODIACS OF WASHINGTON DC

by David Ovason

Publisher: Century, UK, 1999

ISBN: 0-7126-7909-X (465pp hc)

Price: AUD\$39.95; £17.99; NLGf70,90;

USD\$n/a; CAD\$n/a

Available: **Aust/UK/USA/Canada**—Random House; **Europe**—NEXUS Office

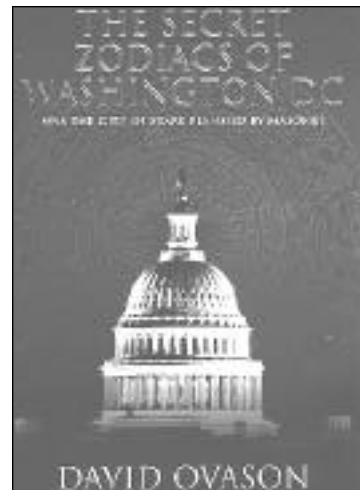
Symbols of astrological significance adorn the buildings of Washington, DC. In fact, according to author David Ovason, there are more public zodiacs in the city centre than anywhere else: 23, to be precise, with at least 1,000 zodiacal and planetary symbols. So what do they mean?

Ovason, an astrology historian, has conducted extensive research for his book, *The Secret Zodiacs of Washington DC*. He reveals that the City of Stars was designed to harmonise with the heavens, but stresses that just because the Masons were involved in the design and orientation of public build-

ings and avenues according to the principles of sacred astrology and geometry this wasn't necessarily a Masonic plot.

The symbol that oversees the grand design is Virgo, revered by Christians and Masons alike as the Virgin Mother, by the ancient Egyptians as Isis and the ancient Greeks as Minerva. The guiding light of the stellar Virgin is most readily seen over the city on 10th August—as its founders knew—in Virgo's capture within a right-angled triangle formed between Arcturus, Regulus and Spica. That cosmic triangle is replicated in the Earthly realm in the Federal Triangle of the Capitol, the White House and the Washington Monument—meaning that the stellar Virgin was meant to oversee not just the new city but the nation.

Steeped in esoteric detail and richly illustrated, Ovason's latest book is an absorbing read full of insights into America's secret past and the blueprint for its future.





REVIEWS

BOOKS

JESUS, LAST OF THE PHARAOHS

by Ralph Ellis

Publisher: Edfu Books, UK, 1998, 1999

ISBN: 0-9531913-1-1 (324pp hc)

Price: AUD\$16.99; £16.99; NLGf59,90;

USD\$24.95 + p&h

Available: **Aust**—Specialist Publications, tel (02) 9736 2191; **UK**—Gazelle Book

Services, tel 01524 68765; **Europe**—

NEXUS Office; **USA**—Adventures

Unlimited, tel (815) 253 6390

In his new book, *Jesus, Last of the Pharaohs*, Ralph Ellis explores the evidence for the Jewish patriarchs Abraham, Isaac, Jacob, Joseph and Moses being not just Semitic Shepherd Kings but Egyptian Pharaohs, with the royal bloodline being continued through to Jesus Christ—a Pharaoh in exile, in effect, and a secular and spiritual leader with wealth and status.

Ellis, author of *Thoth, Architect of the Universe*, is not the first to make these suggestions, and his own particular interpretations of sections of the Old and New Testaments—his major sources—will no doubt fuel debate amongst historians and theologians, whatever their perspectives.

One surprising connection he makes is that Saul, the St Paul of Roman Catholicism and one-time governor of Galilee, was one and the same person as Josephus, historian and author of *The Antiquities of the Jews*. Ellis claims that Saul was schizoid enough to have accomplished these dual roles, and he devotes a hefty chapter to his hypothesis. This puts a different spin on the accuracy of Josephus' histories if, in the guise of Saul, he was pursuing Jesus across Galilee in AD 66

with the Roman guard under his command. Ellis suggests this is why Josephus makes few mentions of Jesus, and those he does make are veiled or contradictory.

Whether or not Ellis's interpretations are correct is hard to judge, as there is so much dispute over the compilation of biblical history. But nevertheless, Ellis has produced a work that is both adventurous and involving for the questing reader.

BRIDGE TO SUPERCONSCIOUSNESS

by Rick Prater

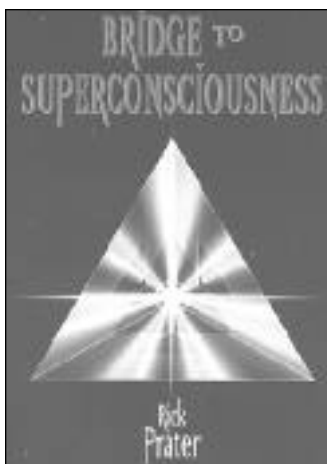
Publisher: Source Publications, 1999

ISBN: 0-9635766-4-X (314pp tpb)

Price: AUD\$28.50; AUD\$34.25 to NZ;

£15.95; NLGf67,90; USD\$19.95

Available: **Aust/NZ**—Silversun & Co., PO Box 7042, Geelong West, Vic. 3218, Aust, tel (03) 5223 2203, e-mail <Spiritual_Links@onaustralia.com.au>; **UK/Europe**—enquire NEXUS offices; **USA**—Source



Publications, tel (209) 966 5379, fax (209) 966 6811, website <www.yosemite.net/sources/books/>

Spiritual development doesn't have to be undertaken in an ascetic environment on a remote mountaintop, but is a process that can be nurtured as we carry on with our normal daily lives. So says Rick Prater who, in *Bridge to the Superconsciousness*, shares the wisdom of 25 years of practice with consciousness-raising techniques.

Prater, co-managing editor of the *Journal of Esoteric Psychology*, draws on the body of knowledge channelled to Alice Bailey by Tibetan ascended master Djwahl Khul (DK); on the School of Natural Sciences teachings on ethics as the foundation of all spiritual development; and on the Agni Yoga wisdom of Master Morya via Helena Roerich. He has found the Rainbow Bridge meditation techniques, clairvoyantly investigated by Norman and Josephine Stevens, to be especially valuable, and he covers them step by step with the aid of illustrations.

The point of all this is to assist in exploring/connecting with Superconsciousness, and learning to integrate the link so as to live in a more enlightened, creative way as well as to grow spiritually. These methods are firmly grounded in what Prater calls "living ethics", and they involve ways of clearing limiting thoughtforms from the aura, invoking positive healing energies and attuning mental powers.

The importance of group relationships and meditation is emphasised by Prater who reminds us of the New Group of World Servers (as identified by DK) and their role in promoting the higher values of love, will and intelligence. This is powerful information, given with heart.

REVIEWS

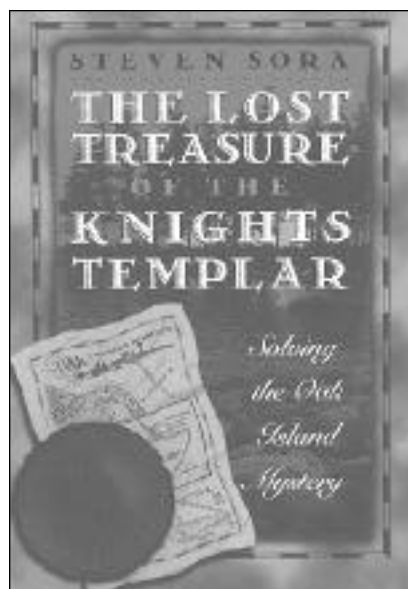


BOOKS

THE LOST TREASURE OF THE KNIGHTS TEMPLAR

by Steven Sora

Publisher: Destiny Books, USA, 1999
ISBN: 0-89281-710-0 (293pp tpb)
Price: AUD\$36.95; NZD\$45.00; £13.99;
NLGf40.90; USD\$16.95; CAD\$24.95
Available: **Australia**—Gemcraft, tel (03)
9888 0111; **NZ**—Southern Publishers, tel
(09) 309 6930; **UK**—Deep Books, 0181
693 0234; **Europe**—NEXUS office; **USA**—
Destiny Books, tel (802) 767 3174, fax
(802) 767 3726; **Canada**—Ten Speed
Press, tel (416) 703 7775



When the Templar Knights allegedly spirited away their treasures from France upon the Order's 'official' dissolution in 1307, it is believed they entrusted them to the protection of the Sinclair family in Scotland. However, by the late 1400s, according to author Steven Sora in *The Lost Treasure of the Knights Templar*, the Sinclairs found an even safer place than the Roslin Castle or Chapel environs—much farther away, in the New World: on Oak Island, a small island off Nova Scotia, which the Sinclairs had discovered in 1398, some time before Columbus ventured west.

What has colloquially become known as "the Money Pit"—either for the promise of the treasures hidden within or for the large sums of money spent in getting to the bottom of it—continues to elude the many attempts at excavation since its chance discovery in 1795. Its systems of shafts, drains, booby traps, false beaches and side tunnels, with their elaborate construction,

have kept the prize secret and have fuelled speculation that something of significance—documents, artefacts—must be hidden there.

We may never find out, and just because there are no historical records doesn't necessarily mean something hasn't already been found and removed. Meantime, Sora's research trail winds its way between Jesus and the Grail Kings, the Knights Templar and Jerusalem, Scotland and Freemasonry, the Prieuré de Sion and Rennes-le-Château, the New World and, ultimately, a Very Old World. It's compelling to think that Oak Island, with its symbolic links with the revered oak tree, may hold the key—but the proof remains elusive.

ATLANTIS: MOTHER OF EMPIRES

by Robert B. Stacy-Judd

Publisher: Adventures Unlimited Press, USA, 1999 (first published 1939)
ISBN: 0-932813-69-0 (339pp l/f tpb)
Price: AUD\$39.00; NZD\$call; £15.95;
NLGf47.90; USD\$19.95 + p&h
Available: **Australia**—NEXUS Magazine, tel (07) 5442 9280; **NZ/UK/Europe**—NEXUS offices; **USA**—Adventures Unlimited Press, tel (815) 253 6390, fax (815) 253 6300

Robert Stacy-Judd's *Atlantis: Mother of Empires* was first published in 1939 but has been out of print for years till now.

A Californian architect and artist with a particular interest in the Maya civilisation, Stacy-Judd analysed the literature concerning various ancient cultures on both sides of the Atlantic and came to the conclusion that they had a common source: the lost continent of Atlantis. Stacy-Judd himself admitted that the evidence is circumstantial, but in the absence of more concrete proof was compelled to reach this conclusion.

This study is more about the Maya than Atlantis, but it highlights the commonalities the Maya had, in terms of language, customs, mythology, astronomy and architecture, with cultural groups as diverse as the Basque, Hebrew, Hindu and Sumerian—commonalities which suggest the notion that all these groups stemmed from, or were at least influenced by, a common source.

Stacy-Judd assembled a wealth of illustrations, comparative drawings and photos to add weight to his argument—one that he admitted was at odds with the establishment thinking of his day, that regarded any serious analysis of the Atlantis question with disdain at best. His book is valuable because of its summation of the story so far, as at 1939, and its presentation of material in one place for the benefit of future generations. This is a worthwhile edition to add to the home library.



REVIEWS

BOOKS

COSMIC JOURNEYS:

My Out-of-Body Explorations with

Robert A. Monroe

by Rosalind A. McKnight

Publisher: Hampton Roads, USA, 1999

ISBN: 1-57174-123-2 (292pp tpb)

Price: AUD\$29.95; NZD\$38.95; £10.99;

NLGf33,90; USD\$13.95

Available: **Aust**—Gemcraft, tel (03) 9888

0111; **NZ**—Peaceful Living, tel (07) 571

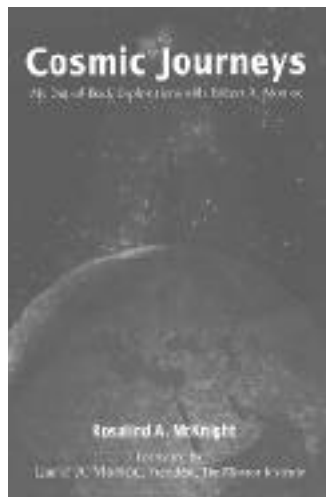
8105; **UK**—Airlift, tel 0181 804 0400;

Europe—NEXUS Office; **USA**—Hampton

Roads, tel (804) 296 2772, fax (804) 296

5096, website <www.hrpub.com>;

Canada—Dempsey, tel (604) 708 1081



We are more than physical matter, so we can perceive that which is greater than the physical world, to paraphrase an affirmation of Robert Monroe, founder of The Monroe Institute, pioneering author of *Journeys out of the Body*, and inventor of the Hemi-Sync left/right brain hemisphere synchroniser. This affirmation is the framework for Rosalind McKnight's book, *Cosmic Journeys*, in which she tells the story of her out-of-body investigations as one of Robert Monroe's original team of Explorers. McKnight, who has a master's degree in divinity and holds workshops in personal growth and parapsychology, thus offers a unique perspective on the early days of the Institute and the life and work of this remarkable man—who, in 1995, left the Earthly plane on his Ultimate Journey.

Some of the chapters contain personal recollections of McKnight's association with Monroe, but most are transcripts of tape-recorded sessions conducted over 11 years from 1972. Through these sessions, they give special insights into the nature of con-

sciousness, thought, love, the soul, dimensional realms and subtle energies. On her travels, McKnight has encounters with "invisible helpers", higher dimensional entities and alien beings; and she visits the year 3000 to find a new consciousness has transformed the world, though not without major Earth changes taking place from just before 2000 through the early 21st century.

Above all, McKnight has proved for herself, as Monroe himself did, that human consciousness has unimagined possibilities and that life beyond here is a reality.

CHANGING HABITS, CHANGING LIVES

by Cyndi O'Meara

Publisher: Oracle Press, Australia, 1998

ISBN: 1-876308-12-5 (173pp tpb)

Price: AUD\$19.95 + \$2.00 p&h in

Australia; overseas airmail add AUD\$5.00

Available: **Australia**—Cyndi O'Meara, PO

Box 104, Mooloolaba, Qld 4557, tel +61

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Aust), e-mail <cyndio@bigpond.com>,

website <www.cyndi.omeara.com>

If we are what we eat, then we have to question the effect that processed, denatured foods have on health and vitality. In this book from health/medical writer Cyndi O'Meara, we are challenged to view an unhealthy lifestyle as merely a series of unhealthy habits—fortunately, ones that can be changed. In plain, easy-to-follow language, O'Meara provides a step-by-step guide to changing these habits over time, experience showing that trying to do it all at once is not the key to success. *Changing Habits, Changing Lives* is not about dieting as such, but about choosing better, healthier foods to eat in the correct combinations.

And what better place to start than the first meal of the day, breakfast. Once new, healthier eating habits can be established here, it becomes easier as the weeks go by to integrate new changes to eating, menus and lifestyle practices. As these incremental changes are made, one becomes more imbued with vitality and has more energy and desire to continue with the changes.

O'Meara's advice, summarised at the end of each chapter, has three action steps for each week, such as: keeping cuppas to a minimum and certainly cutting down or eliminating milk; chewing food properly; opting for butter over margarine; removing processed foods from the pantry; and eating more alkaline than acid foods. That's only some of it, but O'Meara's approach makes these directives a whole lot less daunting to apply in one's daily life.

Overall, very workable advice which, with dedication, will achieve results.

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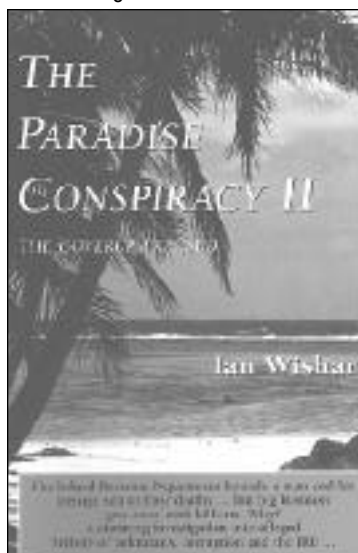
THE PARADISE CONSPIRACY II

The Coverup Exposed

by Ian Wishart

Publisher: Howling At The Moon Publishing Ltd, New Zealand, 1999
ISBN: 0-9582054-0-X (267pp tpb)
Price: AUD\$24.95; NZD\$29.95; £11.99; USD\$16.00

Available: **New Zealand**—Howling At The Moon Publishing Ltd, PO Box 302-188, North Harbour, Auckland 1310, tel (09) 373 3676 or 1800 123983 from Australia, fax +64 9 373 3667, website <www.howlingatthemoon.com>



Contrary to what the mainstream media is telling New Zealanders, their country is hardly as corruption-free as claimed in the latest OECD survey. As investigative journalist Ian Wishart explains, there is no agency in New Zealand designated to investigate corruption, whether of government or business; moreover, when a Commission of Inquiry is set up, the outcome only serves to prove that powerful, corrupt politicians and businessmen hold the reins of power behind the scenes, to advance and protect their vested financial interests.

The particular Commission of Inquiry that is the focus of Wishart's book, *The Paradise Conspiracy II*, is the so-called Winebox Inquiry which was set up in 1994 to investigate a "tax credit certificate" scam operating between the Cook Islands and New Zealand, involving the purpose-created European Pacific Group whose shareholders in the mid-1980s included Brierley Investments and the government-owned Bank of New Zealand. Tax fraud was committed on a grand scale, and high-level personnel at the

Serious Fraud Office and the Inland Revenue Department were also implicated, but, in the end, the perpetrators got off scot free. The Commissioner, Sir Ronald Davison, had even been heard privately describing the deals as "criminal...grand larceny", yet his report was a whitewash, Wishart and others contend.

Wishart takes apart the Winebox Inquiry verdict point by point so that readers can make up their own minds about the report's validity. However, Wishart himself has absolutely no doubt that, based on the evidence, high-level corruption is rife in New Zealand. Should we be surprised?

HEALING CODES FOR THE BIOLOGICAL APOCALYPSE

by Leonard G. Horowitz, DMD, MA, MPH and Joseph Barber, ND

Publisher: Tetrahedron, USA, 1999
ISBN: 0-923550-01-1 (525pp hc)
Price: USD\$26.95 + USD\$4.50 p&h in USA; foreign p&h, phone for quote
Available: **USA**—Tetrahedron Publishing Group, PO Box 2033, Sandpoint, Idaho 83864, tel (208) 265 2575, 1-888 508 4787 (toll free in USA), fax (208) 265 2775, e-mail <tetra@tetrahedron.org>

Drs Leonard Horowitz and Joey Barnard make no apologies for the inherent Judaeo-Christian bias in their co-authored book, *Healing Codes for the Biological Apocalypse*. These are two men on a mission to save the world from what is tantamount to biological warfare on the people.

This book is off on a whole new tangent for Dr Horowitz, author of *Emerging Viruses: AIDS & Ebola*. Here, he's teamed up with Dr Barnard (a pseudonymous) naturopathic physician who found himself channelling numerical codes for deciphering the Bible (King James version), given by Jeshua, or Jesus—his brother back then!

To cut a long story short, in the process of deciphering, the two doctors began to realise that the codes are mathematical, electromagnetic frequency codes, based on a Solfeggio scale, that can be utilised to heal or to cause disease, depending on who is controlling them. They believe they were placed there by powerful persons who understood their power for good or ill, and that Illuminati agents may already have created localised "cryptocrystalline" epidemics, using EM frequencies to activate dormant cells into becoming receivers/transmitters. Horowitz and Barnard suggest the codes are being used to create prion diseases (BSE, CJD), whereby the protein is literally activated into a crystalline form. The most viable path of transmission, they warn, is not so much via offal but via grain infected by mycotoxins.



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SAUCERS OF THE ILLUMINATI

by Jim Keith

Publisher: IllumiNet Press, USA, 1999

ISBN: 1-881532-03-8 (128pp tpb)

Price: AUD\$20.00; NZD\$call; £9.95;

NLGf31.90; USD\$12.95 + p&h

Available: **Aust/NZ/UK/Europe**— NEXUS offices; **USA**—Adventures Unlimited, tel (815) 253 6390

Conspiracy researcher Jim Keith's thesis, *Saucers of the Illuminati*, won't go down well with staunch ufologists or New Agers because it suggests that experiences involving ET contacts or the otherworldly can be subject to manipulation by powerful terrestrial interests: mind-controlling military/intelligence cabalists, politicians, businessmen and media chiefs with occult Illuminati links and secret Masonic handshakes.

From a title like this, we would expect something more substantial than speculative about the Illuminati hoaxing UFOs and alien abductions, that offered nuts-and-bolts proof rather than circumstantial evidence. But, as is so often the case with research into the deep, dark recesses of the military/industrial complex, the National Security Act puts a stop to the *really* juicy stuff coming out.

Keith has pulled together a number of disparate connections that assist in understanding the big picture: from the military application of José Delgado's Stimoceiver research for mind control and the truth or not of the MJ-12 papers, to author Philip K. Dick's Illuminati encounters and the anticipated dawn of the Masonic Year of Light circa the year 2000, with serious Sirius overtones involving Egyptian mysteries.

It's all part of a sinister, age-old plan that can only come to fruition in these latter days now that technology, TV especially, has dumbed down a goodly proportion of the unsuspecting masses. A New World Order is being summoned in via the back door! Don't say Jim Keith didn't warn you!

ETIDORHPA, or THE END OF EARTH

by John Uri Lloyd

Publisher: Health Research, USA, 1999

ISBN: 0-7873-0566-9 (375pp tpb)

Price: AUD\$49.00; NZD\$call; £22.00;

USD\$32.00 + p&h

Available: **Aust/NZ**— NEXUS offices; **UK**—enquire NEXUS Office; **USA**—Health Research, tel (509) 843 2385, e-mail <publish@pomeroy-wa.com>

The very idea of a Hollow Earth hypothesis is conventionally agreed to be as hollow as the Flat Earth theory is flat. Even to consider it is seen as being not just non-sci-

entific but anti-science. But let's not forget that Earth science was in its infancy a hundred years ago when *Etidorhpa* was first published, and occult scientific study was *de rigueur*; nor that there are competing ideas about what "hollow" constitutes.

The original manuscript of *Etidorhpa* (that's "Aphrodite" spelled backwards) was reputedly given to a Cincinnati man, Llewellyn Drury, by a mysterious stranger who materialised in front of him in his room one cold November night in the mid-1800s. It told of the man's early years as a mortal being, of his Masonic transformation, of his incredible journeys into hidden recesses of the Earth's interior and his encounters with strange beings. Drury was told to hide the manuscript for 30 years, and when the time came, a friend, author John Uri Lloyd, had to step in, getting the first edition into print in 1896 with J. Augustus Knapp's paintings and drawings highlighting specific scenes.

Etidorhpa is a classic in the Hollow Earth genre which continues to attract borderlands researchers. The book is once again back in print by US-based Health Research who republished the book in 1966.

THE MIND CONTROLLERS

by Dr Armen Victorian

Publisher: Vision Paperbacks, UK, 1999

ISBN: 1-901250-26-1 (216pp tpb)

Price: AUD\$37.50 inc p&h; £9.99 + p&h;

NLGf38.90; USD\$16.95

Available: **UK**—Satin Publications Ltd, tel +44 (0)171 3239757, fax (0)171 3239749, e-mail <sheenadewan@compuserve.com>; TBS Ltd, tel 01206 255637;

Europe—NEXUS Office, tel +31 (0)321 380558; **USA**—Publishers Group West, 1800 788 3123

A rather mysterious character in his own right, UK-based researcher Dr Armen Victorian has a way of getting his hands on hard-to-access information via the US Freedom of Information Act. So, for his book, *The Mind Controllers*, it must have been a challenge for him to pick out the choicest bits from his burgeoning archives. Each chapter is worthy of a book in itself.

Dr Victorian gives a succinct introduction to the 'alphabet' intelligence agencies that sprang up in the US in the 1940s under the Manhattan Project's umbrella of secrecy, and how their interests in mind/behaviour-control evolved. He discloses that the UK Public Records Office contains over 16,000 document files on psychological warfare up to 1948! That Dr Victorian meets with official walls of silence in some of his UK investigations speaks of the power of the UKUSA Agreement. Denials by successive British governments over microwave bombardment of the Greenham Common women

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in the 1980s smack of trans-Atlantic psy-ops complicity, the Yanks implicated in doing the bulk of the dirty work.

The battle for control of our minds, and those of perceived enemies, has been augmented with the availability of new technologies and techniques—a Pandora's box of unethical experiments involving radiation and LSD; neural manipulation with implants and microwaves; psychic research, hypnosis and remote viewing; so-called non-lethal weaponry and ELF warfare. Dr Victorian backs up his exposés with documentary evidence, and he names past and present perpetrators as he navigates with a clear, bright light over very murky waters.

CONFESSIONS OF AN INTERGALACTIC ANTHROPOLOGIST

by Marcia Schafer

Publisher: Cosmic Destiny Press, 1999
ISBN: 0-9668620-0-7 (223pp tpb)
Price: £11.95; NLG£57.90; USD\$17.00 + \$4.00 p&h in USA (overseas p&h, phone publishers for quote)

Available: **UK/Europe**—enquire NEXUS offices; **USA**—Cosmic Destiny Press, tel (602) 460 7807, fax (602) 460 7809, website <www.beyondzebra.com>

After forty years of contact experiences with extradimensional intelligences, Marcia Shafer is speaking out about them, despite the risks to her professional credibility as a serious business consultant with a background in science and medicine. Her aim is to dispel some of the myths about the phenomenon of contact with extraterrestrial and multidimensional beings and to reassure us that contact does happen, and happens to people from all walks of life.

Shafer believes that global disclosure of UFO reality is inevitable, but that people want to know more than just *if* we are having contact with aliens; they want to know *why* and *how*. She wrote *Confessions of an Intergalactic Anthropologist* so that the uninitiated would have some idea of what extradimensional contact is like, in its myriad forms, and how to adjust to it.

There are some remarkable revelations in this book, all the more so seeing Shafer is a logical, rational, common-sense sort of person who never expected she'd start channelling intergalactic messages from the Others and the Spiritual Elders a few years back. In part one, she describes what she's learned on her journey about humanity's genetic legacy and future evolutionary path, parallel realities, advanced technology, Earth changes prophecies, the diversity of life in the Universe and the nature of con-

sciousness. The second part comprises teachings from the Spiritual Elders on subjects ranging from love, marriage and extrication from futile relationships, to what we should demand of a one-world government (if we should have one at all).

HEALING THE HEART OF THE EARTH

by Marko Pogacnik

Publisher: Findhorn Press, Scotland, 1998
ISBN: 1-899181-57-6 (261pp tpb)
Price: AUD\$28.95; NZD\$39.95; £8.95; NLG£34.90; USD\$14.95

Available: **Aust**—Gemcraft, tel (03) 9888 0111; **NZ**—Peaceful Living, tel (07) 571 8105 (late Aug.); **UK**—Findhorn Press, tel 01309 690582, website <www.findhornpress.com>; **Europe**—NEXUS Office; **USA**—Findhorn Press, tel (850) 893 2920

It's one thing to be environmentally aware, but quite another to be aware of the subtle dimensions of Earth and Nature. While, through history, certain sites have been chosen for temples and churches because of the powerful energies that traverse them, unfortunately, in creating the built environment, all too often those natural energies become imbalanced or blocked, with deleterious effects on the surrounding area and inhabitants. But these blockages can be overcome and the environment can be purified and revitalised with our help, says Slovenian artist Marko Pogacnik in his inspiring book, *Healing the Heart of the Earth*.

As Pogacnik knows all too well, the methodology of Earth healing has no place for surreptitious "lithopuncture terrorism"; it requires permission from the landscape devas as well as from landowners; local cooperation and participation; and, most importantly, involvement of responsible people who are on a path of personal transformation and who are aware of the interdimensional subtleties of their own being.

Pogacnik's techniques incorporate the energies of sound, colour, dance, ritual, imagination and invocation as well as use of lithopuncture stones to effect Earth healing. In his book he details these methods as well as ways to deal with destructive forces inhabiting or trapped in place. His pilgrimages have taken him across Europe and to Central and South America, and several of them are documented here, e.g., alleviating energy blockages of star-shaped centres like Bern, controlling the energy blocks remaining after the Berlin Wall came down, and balancing the male energies distorting the predominantly female energies of Brasilia.

Realising that the Earth is a living being that's going through its own transformation, Pogacnik believes we have a vital role to play in making the transition smoother.



REVIEWS

AUDIO

Reviewed by Richard Giles

MAIDEN OF MYSTERIES:

**The Music of Enya
with The Taliesin Orchestra**

Producer: Tramell Starks for Platinum Entertainment, Roswell, GA, USA, 1998
Distributor: **USA**—Intersound, tel (770) 664 9262

There are several orchestral groups pushing the boundaries of pop/world and classical fusion, and the Taliesin Orchestra is one of the leading examples. If you love Enya's lush, classical, Celtic arrangements, you'll embrace this album. The orchestra's membership itself is evolving, and feature-musicians shift from project to project. *Maiden of Mysteries* features Karen Briggs, the stunning violinist with the energy-plus style who leads Yanni's albums and concerts. Also featured is vocalist Alfreda Gerald's beautifully haunting sounds.

BAABA MAAL

LIVE AT FESTIVAL HALL

Producer: Trevor Wyatt for Palm Pictures, USA, 1999 (42mins)
Distributor: **Australia**—Festival Records, tel (02) 9660 4022; **UK**—Rykodisc, tel 0181 746 1234; **USA**—Rykodisc, tel (508) 744 7678;

Baaba Maal, a respected musician in his home country, Senegal, and throughout Africa, has shot to world prominence in the last year with the release of *Nomad Soul*. The album did very well in international charts, and the track, "I Will Follow You" (*Souka Nayo*), featuring backing by the Screaming Orphans, received much airplay in Europe. This new album's live atmosphere adds to its excitement. The first two tracks begin well, but the performance really starts to move when Baaba Maal is joined by Ernest Ranglin, "guitarist brilliantissimo", on the third track. The last twenty minutes of music are just gorgeously exhilarating.

A GIFT OF LOVE

with Deepak and Friends

Producers: Adam Plack and Yaron Fuchs for Tommy Boy Music, USA, 1998
Distributor: **Aust**—MRA, tel (07) 3849 6020; **USA**—Tommy Boy, (212) 777 0281

To quote from the sleeve notes on this amazingly haunting, sensuous album, "Passion must contain surrender in order to be true". *Gift of Love* has Deepak Chopra and friends reciting poetry by 13th century mystic Jalaaluddin Rumi. Friends include Demi Moore, Martin Sheen, Madonna, Goldie Hawn, Robert Thurman and Laura

Day, among others. The backing music is a little techno-ambient and sometimes a bit too driving, but the overall effect of this album is to turn up the sensuality temperature and relax the inhibitions.

CELTIC SOLSTICE

with Paul Winter and Friends

Producers: Paul Winter & Dixon Van Winkle for Earth Music Productions, USA, 1999 (58mins)
Distributor: **USA**—BMG Distribution, tel (212) 930 4942

Paul Winter is one of the great names in international music. He calls his music "ecological sound vision" and he's received several Grammy awards and two environmental awards. *Celtic Solstice* is the newest in a line of 40 albums. With *uilleann* pipers Davy Spillane and Jerry O'Sullivan, Irish singer Karan Casey, flautist Joanie Madden and pipe organist/pianist Paul Halley and others, he recorded this stirring album in the Cathedral of St John the Divine, New York City, after a series of summer solstice concerts starting in 1994.

WOMAD 99: Southern Hemisphere

Producers: Mark Sequeira & Tracie Taylor for Festival Records, Australia, 1999 (2CDs, 110mins)
Distributor: **Australia**—Festival Records, tel (02) 9660 4022; **New Zealand**—Festival Records, tel (09) 361 0223

The Womadelaide Festival of world music has become the largest festival of this genre in Australia. It began in 1992 and has now spread to New Zealand with its first Womad in 1997. *Womad 99* is a limited-edition double CD compiled from both festival and extolling the diversity and delight of the events. Selected artists include Tulipan, Baaba Maal, African Gypsies, Ernest Ranglin, Muzikas, Trilok Gurtu, The Gadflies, Kahas, Te Vaka, Kenos, Slava Grigoryan and many more.



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Republic, the drunken guy? Yeltsin...Boris has appointed him head of the Russian Space Command.

As an aside, we thought we would solicit a few senators' opinions. We solicited the offices of Senator Kennedy—another man who likes the glass of wine occasionally. In any event, we got a very strange reaction from the office of Senator Kennedy. They sent us a folio about a study that was done on funding, that was publicised by the Senator's office. In the middle of it they had yellowed out a section that talked about the deep space probe series that NASA is sending out—the *Deep Space 1*. I think they're naming them after that *Star Trek* show, *Deep Space 9*. When they get to nine, I don't know what they'll do!

In any event, *Deep Space 3* or *Deep Space 4* is slated to receive a piece of equipment called a "laser cannon". At Lincoln Labs there's a funded project afoot to develop, on a rush basis, an offensive weapon based on laser technology, because wherever this deep-space probe is going,

they believe they need it. Deep space is the space outside of the solar system, or at the extreme ends of the solar system.

Apparently Senator Kennedy was one of the sponsors, but the senators and congressmen do not hold the same opinion as the Defense Department and the Air Force about whether there's an alien presence in or right outside of our solar system.

So, right now, that's about where we're up to. We're starting to commercialise the transfer capacitor and look at partners; we're going to get it out there. We figured, why not? We've spent so much money on the research investigation, we might as well see if we can sell these things to people.

British Telecom has jumped in and stated they've placed a letter-of-intent order with us. They're using it in a product they call the "Soul Catcher" chip [see Global News, NEXUS 3/06, Oct–Nov 1996]. We've had some preliminary discussions with a company called Shipley, the world's largest manufacturer of semiconductor materials.

We've had discussions with Intel, IBM. Just in the last few months, a guy from IBM said, "You should have been dealing with us all along." "Well, why didn't you come to us?" "Well, I'm coming to you

now." "There are a lot of people who are interested." "Well, we're IBM." "So? You had these in your lab all along and couldn't get them to work!"

We're not sure what direction it's all going to go in, but I just wanted to end with this. This morning, as I was going up in the elevator, I felt like I was hanging upside down, holding the world up with my feet. The next time you get in the elevator out there, think about that. That's how we feel at ACC. ∞

Editor's Notes:

- For more details, visit American Computer Company's website at <<http://accpc.com>>, or refer to Twilight Zone, NEXUS 5/02, Feb–March 1998.
- To obtain a copy of the audiotape from which this lecture was transcribed, contact Backcountry Productions, 831 Alpine St, Longmont, CO 80501, USA, telephone +1 (303) 772 8358.
- To find out more about the Global Sciences Congress (held each year in Colorado in August, and Florida in March), contact the organisers by phoning +1 (303) 452 9300 or faxing +1 (303) 457 8269.