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NEXUS

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our ET ancestry revealed?**

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NEXUS

NEW TIMES MAGAZINE

Volume 4, Number 5 AUGUST - SEPTEMBER 1997

PO Box 30, Mapleton Qld 4560, Australia

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

Editorial

Before I launch into a rave about this issue, I would first like to thank all our readers who wrote, phoned, faxed or emailed messages of encouragement after my Editorial last issue, in which I referred to a series of media attacks on NEXUS and myself. You'll find a small sampling of responses in our Letters pages. Other responses from last issue included a letter from the Australian Therapeutic Goods Administration (TGA) to one of our advertisers (see their ad on pages 10-11).

Meantime, I am proud to announce that NEXUS is now 10 years old! I'd like to take this opportunity to thank you all for your support: without it (and our predecessors), NEXUS wouldn't be here. All of us at NEXUS certainly look forward to celebrating more milestones in the future.

My favourite article this issue is the Ibogaine story because it puts forward a practical solution to an enormous problem in our society: addiction. To find a treatment based on a medicinal plant extract which has a record of providing rapid, trauma-free relief to addiction is pretty exciting news. Don't just read the article: get your local politicians, doctors, naturopaths, rehab centres and drug-dependents to read it and take action to get ibogaine into your country and made available under proper supervision at a reasonable cost.

Whilst NEXUS readers have already read more about Gulf War syndrome than most, I'm sure you will still be appalled at the sheer magnitude of the health problems resulting from GWS. I mean, in the US alone we are talking almost 200,000 people (veterans and their families) sick or dying, and around 7,000 already dead from a disease that doesn't officially exist. 'Allied' figures are also startling.

The Pill Part 2 should encourage any women still taking synthetic hormones to dispose of them thoughtfully, down the loo, and reconsider the alternatives.

As I've wanted to get more insight into the world of David Morehouse, author of *Psychic Warrior*, it was timely that an interview article should arrive recently. Morehouse has some eye-opening 'reality bites' to share, and his exposé on the tragic downing of TWA Flight 800 (exactly a year ago as we go to press) will make you choke on the cover stories the news media are dishing out. Morehouse is remarkably frank about remote viewing and his former military involvement with it. Part 2, next issue, has even more that you won't want to miss.

Geologist Harry Mason (who will soon have to write a book!) covers yet wider territory in his third "Bright Skies" instalment, pointing to links between the Japanese Aum and Mahikari sects, money-power players, Tesla EM weapons, the Russians, an outback sheep station and "bloody big bangs" near Banjarnaw, WA.

Readers may remember the letters we published in Twilight Zone last year (first sent to Art Bell's radio show in the US) from a military 'source' who claims his grandfather was at the Roswell UFO crash scene and pocketed some of the metal debris. Linda Moulton Howe has been on the case and organised specialists to analyse the metal samples sent in by the source. The findings are surprising, as you'll read in her write-up, and they raise more questions than they answer.

Also controversial is an article by Alan Alford, author of *Gods of the New Millennium*, who suggests that we didn't evolve from apes, that God didn't wave a magic wand over us, but, instead, that we were gene-seeded by "the gods" of the ancients—real flesh-and-blood beings who came from outer space. Are we a genetically-bred servant race which has mutated too far—or not far enough?

Before I get off this platform, a big thank-you to everyone who attended the NEXUS Conference and related events in Sydney in late May. The Conference itself attracted almost 300 people from far and wide, and everyone seemed to have a thoroughly enjoyable—and mind-boggling—time. I now leave you with a witticism I heard recently:

"For every expert, there is an equal and opposite expert."

Duncan

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Letters to the Editor ...

Healed by NEXUS and God!

Dear Duncan: I thank God for NEXUS Magazine. I refer to the excellent feature stories on "Urine Therapy" by Martha Christy, "The Cure for All Cancers" by Hulda Clark, and "Hormone Heresy" by Sherrill Sellman. Where else could I obtain such helpful and amazing information to heal my sick, tired body other than your magazine? Not from the lips of six doctors and six specialists!

I suffered from incurable interstitial cystitis, chronic fatigue, candida/yeast infections, diverticulitis, irritable bowel, food and chemical allergies, four liver cysts, migraine, blurred vision, vague tinnitus, post-menopausal problems, and even had a hernia operation thrown in for good measure. If I wasn't bedridden with a hot water bottle across my pelvis, I was running to the toilet over 25 times a day and five times through the night. I was totally exhausted and my life was miserable.

I decided to "pick up thy bed and walk", turn my back on the medical profession, take charge of my health and become my own doctor. My salvation and lifeline were right beside my bed: a Holy Miraculous Medal on top of a stack of NEXUS Magazines, to which I have subscribed for nearly three years, featuring brilliant articles on the above topics. I did Hulda's three steps/wormwood parasite-killing programme, kidney and liver cleanses, twice—getting out over 700 gallstones, which just blew my mind. I then drank my own perfect tailor-made medicine especially designed for my many health disorders: my own urine.

Within five days I had made an incredible, miraculous recovery. Urine therapy is the world's best-kept secret and a priceless gift of health. These remedies are mentioned in the Bible: Proverbs 5, verse 4, "Wormwood", and verse 15, "Drink waters out of thine own cistern". What a revelation this was! I implore anyone who is seriously ill to do Hulda's programme, start drinking their own "water of life"—which will keep them out of the doctor's office, consequently bringing the drug companies to their knees.

Interstitial cystitis is horribly painful and considered incurable, but I am now conquering it. This

alone should make huge headlines around the world, especially at the Urological Research Department for I.C. at Yale University, USA. I am now voiding seven times a day and sleeping through the night until 7.00 am. I am now rubbing natural progesterone, wild yam cream, on myself with magic results. HRT had damaged my liver.

I am happy to tell everyone that my amazing, instant recovery was due to NEXUS Magazine and God. I urge them to buy the magazine, or they may be missing out on the greatest medical breakthroughs of the century and beyond. Keep up the good work for humanity, Duncan, and God bless you all at NEXUS.

Yours faithfully,
Fiona M., Bilambil Heights,
NSW, Australia

Keeping Tabs on the Truth

Dear Duncan: I'm writing in reaction to a letter that appeared in the April-May '97 issue of NEXUS (4/03), headed "Not Content With Cover-ups". The writer stated that he was "bored" with the details of government agencies, etc., "importing drugs, killing people, subverting governments and doing all the shit that we know they always do"; that UFO cover-up scandals are "no longer news", and that "conspiracy genealogies serve...no purpose". He impotently declaimed, "What the hell am I going to do with this information?", and suggested that NEXUS instead concentrate more on speculation and on helping readers to "generate the new frequency of reality".

I shudder to think of the future for which such pusillanimous acceptance of imperialism and elite machinations is the prescription.

As individuals, we may feel powerless when confronted with the reality of high-level corruption whose arbiters seem to operate with immunity, but we are only playing into the hands of power if, in seeking to recover a sense of control, we resign ourselves, averting our gaze from the unsettling details in order to attempt to content ourselves by turning our attention inward.

It goes without saying that all avenues for enhancing awareness on the path to self-realization should be explored, but not to the

extent that we relieve ourselves of responsibility for the political climate in which such explorations occur, as though one were disassociated from the other.

In the face of widespread consolidations of power (extra-democratic) and mounting incursions (into privacy, etc.), any responsible movement toward self-liberation must extend itself beyond the naïve tactic of withdrawal or "disappearance", in certain post-modernist argot, if it is not eventually to find compromised the last of its remaining refuges of invisibility.

Writers and publishers should be encouraged to present the truth behind the public relations deception that passes for news (past and present) in controlled media, not dissuaded from exposing it; many more people need to be better-informed if any concerted effort to effect positive change is to succeed.

Sincerely,
Isabel A., London, Ont., Canada

Bittersweet NutraSweet

Dear Editor: Thank you for the information on your Internet web page regarding aspartame. I have been drinking Diet Coke since it appeared on the market, and I was up to about five litres (really) a day until I saw your article about three months ago (see vol. 3./01). When I read the information, I took the giant glass of soda I was drinking over to the sink and poured it out. I haven't touched anything with NutraSweet since.

I tell you this because I was suffering severe symptoms of the type described in the article. Now I am happy to report that since I quit ingesting aspartame, many of those symptoms are no longer bothering me or have lessened greatly, and I wanted to say thank you!

Best regards,
Robert Zalot, RZalot@area.com

Flying the Flag for Alternatives

Dear Editor: I feel so lucky that I (or, should I say, my wife) stumbled onto NEXUS Magazine about two years ago and I have not missed an edition yet.

Most (but not all) of the articles, for me, are very interesting and thought-provoking, and it has opened up a world for me that is complementary to the way I think about the world.

While I do not believe everything I read in print, and I know you encourage this, I have noticed that some of the articles I have read in NEXUS appear in mainstream magazines and also on TV networks some time later. The article on aspartame is a prime example. This is very encouraging to see, especially for a healthy sceptic like myself.

I sincerely hope that you continue to fly the flag for so-called "alternative" subjects, as I think there is a groundswell of opinion, at grassroots level, that these subjects are not so "off the wall" as was first thought.

Please don't go the way of the American Omni magazine, which became what appeared to be 50% adverts and rather watered down items.

Tony Swain, New Zealand,
100357.701@compuserve.com

Detractors' Drivel Denounced

Duncan: How can anybody possibly think of NEXUS as being right wing? For myself and many friends who read NEXUS, we all think of the magazine as being a little left in its writings!

Your articles are usually well-researched, without any particular political bias and, above all, informative—which is more than can be said for the drivel put out by some of your critics who cannot seem to muster an original thought between themselves.

Remember this: if you are driving along the road and a yap-dog comes out and barks at you, do you stop the car and get out to kick it, or do you simply keep on driving?

Best wishes,
N. Chamberlain, England,
q@octacon.co.uk

Pest-Control Conspiracy

Dear Duncan and Nexus Staff: Greetings in the name of light, knowledge and information. I commend all of you for your highly informative NEXUS Magazine! The diversity of pressing-need-to-know issues is fantastic. I am presently incarcerated, so my access to expansive information is somewhat limited. And I would be in the dark on the truth of many US media-censored issues if it weren't for your publication.

I want to say that I am not a criminal in the traditional sense.

... more Letters to the Editor

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

Prior to my first and only arrest that led to my incarceration, I was a co-owner of California's number one pest-control company. I enjoyed a stress-free middle class life. Well, in the early 1990s I decided to experiment with some non-chemical application alternatives in respect to creating a non-lethal protective barrier around homes and businesses for the prevention of infestation of target pests such as rats, mice, bats and various insects as well.

I received my inspiration for pest management from magnetic field theories of the late Rudolph Steiner, as well as the works of the metaphysical science researchers at the Findhorn community in Scotland. A friend of mine who works for NASA assisted me with experiments at various residences of established customers who were interested in prevention and control of rodents and insects without the use of poison baits and chemical compounds.

So we tried the Steiner magnetic field applications along with certain herbal boundaries and some of the metaphysical approaches that proved successful to the Findhorn garden researchers. Our experiments were a success!

But then disaster struck when a confidential source reported our unapproved alternative pest-control experiments to the State Pest Control Board. First the board stripped me of my pest control licences and fined me thousands of dollars for (get this!) endangering the public environment with my unapproved and unregistered equipment and natural herbal pest repellents.

But that's not the worst of it. The County and State prosecutors then filed charges against me and I received six years in prison, five of which I have already served. Now I know how Wilhelm Reich felt when he was wrongly imprisoned over orgone energy accumulator devices.

Anyhow, I have been trying for years how to find a way to reach people in Australia and New Zealand that share my interest in the paranormal, UFO research, conspiracy theories, alternative medicine and energy, suppressed sciences and metaphysics. I would like to ask the staff at NEXUS if any of you are aware of any contact magazines/pen pal

connections in Australia and/or New Zealand where I can reach people of like mind? I would be overjoyed to be able to correspond with people that reflect the conscious awareness levels of the Australian NEXUS reader. If any of you folks have any ideas, any places that I can write to, to put me in contact with people of like mind in your part of the world, well please send them to me—anything from ET channellers to holistic/homoeopathic medical practitioners. Thank you very much!

Your Brother in Light and Information,

Jeff Harmon, H62471, CTF Central, Y203, PO Box 689, Soledad, CA 93960, USA

[Dear Jeff: I hope this publication of your letter attracts like-minded readers. Good luck! Ed.]

Education or Indoctrination?

Dear Duncan: I have been reading NEXUS for eight months now, and I have to say that the June-July '97 issue (4/04) was the best yet.

In particular, John Taylor Gatto's article, "Why Schools Don't Educate", was seminal in its importance and followed in the footsteps of educators such as Illich and the current educational bestseller, *In Place of Schools*. As a teacher myself, I found the article inspiring.

The plain fact of the matter is that the large anonymous schools we currently support as a society are little more than prisons—both for the pupils and the staff. They are alienating in the way they cut children off from their communities for most of their waking life; they are indoctrinating in the way that they demand obedience and conformism; they are elitist in providing mostly a watered-down Victorian public-school education of use only to the academic; finally, they preach competitiveness and meritocracy instead of cooperation and community.

Above all, they rarely teach children to be themselves, to think for themselves and to decide for themselves what is important in life.

The recent emphasis on league tables and naïve political pronouncements in favour of everyone being forced to join the economic circus (even single mothers,

as if having to bring up kids wasn't worthwhile work in itself) has worsened the situation.

No one doubts the goodwill and high ideals of the staff involved, but—as John Taylor Gatto suggests—the system is simply stacked against them.

But whilst there are free thinkers such as Mr Gatto around, there is still hope. Also, the rapid development of the Internet, with its emphasis on the democracy of information (all information has merit, not just the 'chosen' information filtered and censored for use in schools), may result in new openings for a more egalitarian education in the next century.

Anyone interested in pursuing this further can contact me at the address below.

Yours sincerely,

Andrew G. Stephenson, Grassroots, 9 Southdown Rd, Newhaven, East Sussex BN9 9JH, England, UK

Renewed Life after the Pill

Dearest Duncan: Many, many thanks for Sherrill Sellman's article, "A Bitter Pill to Swallow: The Oral Contraceptives Betrayal", June-July '97 issue (4/04). The question that keeps coming to me is, "Why is this drug legal?" With so much medication withheld from the public because of possible (informed!) side-effects, how is it that so many women are allowed to consume this drug daily? This reeks of profiteering.

After 15 years of using the Pill, and three (planned) children later, my husband, after much contemplation, decided he would forgo his manhood (or so he thought) and have the dreaded snip-snip. It was the most wonderful thing he could ever have done for me.

The change in my mind and body was remarkable. I no longer suffered depression, my weight dropped as my continual eating declined, my tearful outbursts stopped, my libido is what I now consider to be 'normal'—and, most importantly, I no longer resent my children; I am filled with a love and patience for them that I am experiencing for the first time.

My five-year-old summed up my changed attitude when she said, "Mum, you don't shout at us anymore." My relationship with my husband has improved, too. My

only concern now is that this information is not reaching all those that it should. This also goes to prove that it's still a man's world.

I enjoy your magazine. What you guys do is commendable.

Veronica W., Two Wells, SA, Australia

Smear Campaign is a 'Joke'!

Dear Duncan: I have been subscribing to NEXUS ever since I first picked up a copy a few years ago, and I have never been disappointed with an issue yet. I feel compelled to write this in response to your Editorial in vol. 4/04, basically to reassure you that at least some of your readers have their own minds and can distinguish the difference between a smear campaign and investigative journalism.

I am not surprised that NEXUS is being attacked by the media; in fact, I'm surprised this hasn't happened long before now, as it always does when people publish the truth and expose people whose credibility relies on the truth being concealed.

However, it is the way it is done that I have to find funny, and what I do find amazing is that anyone would gull for such obvious lies. I mean, to term your magazine as "right-wing extremist" has got to be a joke, hasn't it?

I remember when the same thing was done to David Icke and Rainbow Ark magazine [UK]—interestingly, by the same people, too. I also remember being a little confused about this myself at the time. After all, the first two copies of Open Eye magazine [UK] seemed quite informative, except for the smear on the above-mentioned. I actually sent the money for a subscription and some extra information (about £25 in total) but received nothing in return. It was obvious to me then that these guys are just con artists and they are not to be taken seriously.

I must say it bothers me that shopkeepers are being threatened for selling NEXUS Magazine, but there you go; it's the price we have to pay for the truth these days.

Be careful and keep up the good work!

Sincerely,

Helen M., London, England, United Kingdom.

IS THE SKY FALLING?

The Geophysical Research Letters journal of 1 May 1997 (vol. 24, no. 9, pp. 1103-1106) has published an interesting paper, "Evidence for long-term cooling of the upper atmosphere in ionosonde data", written by Thomas Ulich and Esa Turunen of the geophysical observatory at Sodankylä, Finland.

The authors have found support for the theory that increased concentrations of greenhouse gases will cause a cooling of the stratosphere, mesosphere and thermosphere, causing the atmosphere to shrink. One estimate for the doubling of CO₂ was the lowering of the ionosphere (F-2 layer) by 15 to 20 kilometres.

(Source: Jim Scanlon, jscanlon@linex.com, published in *Blazing Tattles*, vol. 6, no. 6, June 1997; www.concentric.net/~blazingt)

PRIVATISING PRIVACY

The Australian federal government has added insult to injury, following its surprise reversal in March of a campaign promise to support legislation protecting personal data in private businesses.

Finance Minister John Fahey said on 25 April that the federal government would transfer computer processing of millions of tax, health, law enforcement and welfare files to the private sector. This privatisa-



tion would leave the records unprotected by any privacy requirements, because Australia's federal Privacy Act does not cover contractors. (By contrast, the Privacy Act in the USA, which covers federal agencies, also covers private contractors that process data for federal agencies.)

If the Government's plan is implemented and the Privacy Act is not amended, Australian citizens would have no right to inspect and correct 'government' files on them maintained by private contractors.

Fahey said at first that he would ensure privacy "through stringent contractual conditions", but, as the Opposition has pointed

out, only the government—not an individual—could sue for breaches of confidentiality or abuses of the records.

A few days later, Fahey said that the government would agree to extend the Privacy Act to these contractors, but critics observe that many of the prospective contractors do their data processing out the country in places like Singapore and China.

(Source: *Privacy Journal*, May '97; e-mail 5101719@mcimail.com)

US, BRITISH INTELLIGENCE BEHIND LIBYA FRAME-UP

In April 1996 *Dispatches*, the flagship current affairs program of Britain's Channel Four, presented convincing evidence that the fatal

shooting of Woman Police Constable Yvonne Fletcher, outside the Libyan People's Bureau in London in 1984, was engineered by elements of British and American intelligence as part of a Libya destabilisation campaign. The film, made by the highly regarded Fulcrum Productions, caused an uproar and was the subject of a debate in the House of Commons on 8 May 1996.

More recently, *Dispatches* has presented new information which identifies Admiral Poindexter and Colonel Oliver North as the two US individuals responsible for organising the assassination of WPC Fletcher. Shadowy members of Britain's security and intelligence apparatus are alleged to have cooperated, but they remain unidentified.

Dispatches claims that Herman Hein, a senior figure in Berlin's guns-and-dope underworld, was a principal figure operating on behalf of al-Burkan, the anti-Qadhafi terrorist group financed in part by wealthy Libyans living in exile. Hein was the linchpin for selling and shipping weapons to London.

Helmut Nagler, a Berlin weapons expert, claimed to have remodelled a special silencer for the weapon—a 9-mm Walther PPK handgun—allegedly used in the killing. He also claimed responsibility for driving the gold-coloured Mercedes to London where, at the Lancaster Hotel, he handed over his concealed cargo to a senior al-Burkan member named Zatout.

Meanwhile, Zatout remains a fugitive from German Police and is said to be



... GLOBAL NEWS ...

residing in the USA under government protection, according to Manfred Meyer, another Berlin underworld figure connected to the operation.

The *Dispatches* program also revealed what has long been seen as the principal motive behind the US desire to remove Qadhafi from power: oil. In 1973, Libya nationalised 51 per cent of all oil companies (mainly British, French and American) and doubled the price of its crude oil. In 1974, it nationalised three US oil companies and announced an oil embargo on the United States.

(Source: David Guyatt, david.g7@ukonline.co.uk; also see his article, "Target Libya", in NEXUS 4/02)

IRAN IMPLICATED IN LOCKERBIE BOMB PLOT

Germany has reopened its investigation into the Lockerbie bombing because of allegations made by a senior Iranian intelligence defector who blames Iran, not Libya, for instigating the 1988 bombing.

A recent edition of the German news magazine, *Der Spiegel*, reveals that Abolhassem Mesbahi, the Iranian intelligence defector who was also an aide to former President Ali Hashemi-Rafsanjani, told German investigators that Iran was behind the terrorist bombing.

He told the Germans that Iran ordered and organised the bombing of Pan Am Flight 103 as a reprisal for the USS *Vincennes*' downing of a civilian Iranian Airbus, with 290 people on board, in July 1988, just five months before.

Der Spiegel said the new details were being withheld from both the British and Americans because of disagreements over the Lockerbie 'plot', and differences between Bonn and Washington over their policy on Iran.

(Sources: *The Sydney Morning Herald*, 8 July 1997; *The Guardian Weekly* [UK], 13 July 1997)

CRIMINALS FINGERED BY GENES

Numbered are the days when a burglar just wiped off incriminating fingerprints from furniture and door handles, and when gloves guaranteed protection.

Forensic scientists already routinely identify criminals using DNA obtained from blood stains, semen, hair, and even cigarette butts. But now they can identify people using DNA from the fingerprints themselves which are left on objects, even

after the prints have been wiped off.

Researchers at the Victoria Forensic Science Centre in Melbourne have successfully identified individuals from the minute quantities of DNA in their fingerprints, and were able to do this with as little as 0.5 nanograms of the material. Forensic scientist Roland van Oorschot reports it is sometimes possible to identify each of a succession of people who handled an object.

However, it is also claimed that the technique could backfire, as DNA profiles from objects handled by many people can be difficult to interpret. Investigators must take extra precautions when handling objects lest their own DNA be picked up.

Worse still, small quantities of DNA can pass from person to person when shaking hands—which means that someone else's DNA could turn up on an object they had never touched.

(Sources: *Nature*, vol. 387, 19 June 1997; *New Scientist*, 21 June 1997)

FAST FOOD, SLOW ROT

Student of science, Ben Metcalf, of Bondi Junction, Sydney, wants to congratulate McDonald's on its preservatives.

A year ago he bought a cheeseburger at a city McDonald's and decided to stash it in a drawer and observe it over time.

"Not a skerrick of mould," he reported last week. "Top-drawer stuff."

He added that although the cheeseburger

is bone-dry, it could be microwaved with a glass of water and would probably be as good as gold.

(Source: *The Sydney Morning Herald*, Column 8, 26 May 1997)

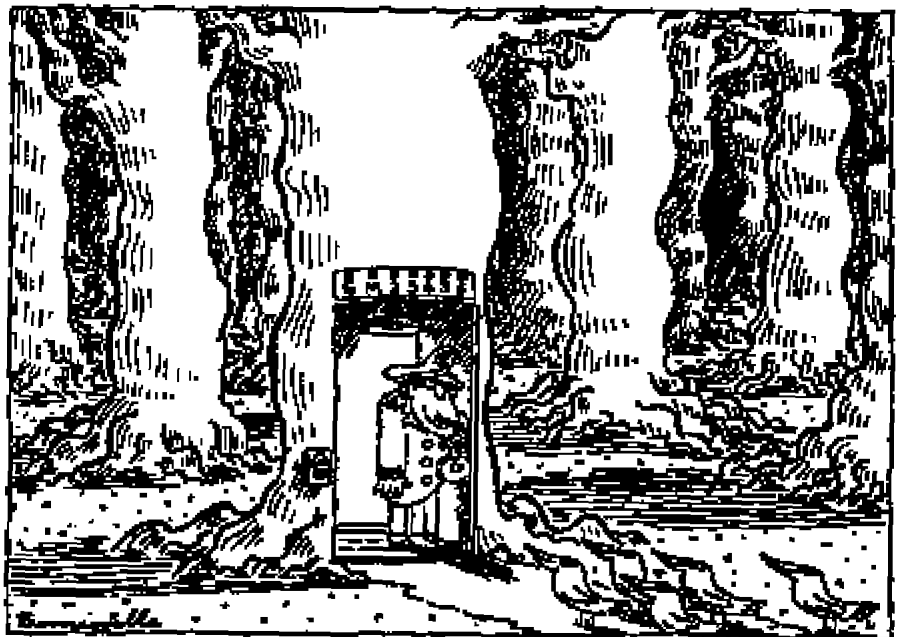
HOLOGRAPHIC BATTLEGROUND

US Congress has just approved funding for the Army to perfect a laser that projects life-sized hologram decoys of troops and tanks, designed to fool enemies on the battlefield. Dubbed the "Ghost Gun", the hologram projector could also be used to display virtual images of religious or political leaders in order to create calm or panic amongst the public.

US Army scientist Dr Gary Wood, who is leading the project at the Army Research Laboratory in Adelphi, Maryland, said: "One of the scenarios was Saddam Hussein standing on a balcony spouting pro-American messages or telling troops to lay down their arms. We are well on the way to perfecting it."

It is predicted that within 10 years many of the troops seen by enemy units on the battlefield may be no more than 3D, laser-generated images. US defence consultant Dr Brenda Mark said, "Anyone looking at the target area will think the US Army has a major presence there when in fact there will be nothing but empty space."

(Sources: *The Sydney Morning Herald*, 13 May 1997; *The Sunday Mail* [Brisbane], 25 May 1997)



... GLOBAL NEWS ...

US WAGES BIOLOGICAL WAR ON CUBA'S ORGANIC CROPS

On 21 October 1996, the pilot of an air-borne Cuban Airlines plane noticed a US-registered light aircraft releasing a white or greyish mist over land in western Cuba, and immediately reported the incident to Cuban flight control.

Communications logs later revealed that the aircraft was operated by the US State Department and flew out of Patrick US Air Force Base in Florida.

On 18 December an infestation of plant-damaging thrips, previously unknown in Cuba, was discovered in a state-run potato farm. After further investigation linked the thrips' appearance to the unknown misty substance, the government concluded that Cuba had been the target of a biological attack by the USA. The next week, Cuban Foreign Affairs lodged a complaint with US interests in Havana, and received a "smoke screen" reply on 12 February.

The plague of thrips has already spread through two provinces and is rapidly moving into others, despite chemical control measures.

Is it any coincidence that Cuba is in the midst of the most comprehensive conversion from conventional agriculture to organic or semi-organic farming ever attempted? Cuban researchers and farmers are working to replace their former heavy dependence on imported farm machinery, chemicals and food, and increase their yields through animal traction, crop and pasture rotation, poly-culture, soil conservation, organic soil amendments, biological pest control and a rapidly expanding, chemical-free, urban agricultural sector.

Interestingly, the Federation of American Scientists' February 1996 Report on "claims of use or escape of agents which

constitute biological or toxin weapons" includes thrips among the invertebrates relevant to the biological weapons convention. Being highly resistant to pesticides, thrips make an ideal biological agent.

US research indicates that the insect, in its larval stage, can be dropped effectively from the height of a fumigation plane. Thrips transmit plant viruses, and with their voracious appetites are devastating to a variety of crops.

(Source: *Green Left Weekly*, 18 June 1997; *Pesticide Action Network*)

'RAY GUNS' SABOTAGE COMPUTERS AT A DISTANCE

Police and security services in the UK are increasingly worried about the potential of electronic information warfare and are working to combat the threat posed by sophisticated military technology now available on the "grey arms" market.

High-energy radio frequency (HERF) guns can jam or disable computers from a distance. Some of these HERF guns are capable of emitting pulses of electromagnetic radiation of similar strength to those given off in a nuclear blast.

Smaller, hand-held HERF guns can already be purchased for less than £1,000 (A\$2,200).

(Source: *The Sydney Morning Herald*, 26 May 1997)

'SMART' BULLET JUST AROUND THE CORNER

They are known as BLAMs—Barrel-Launched Adaptive Munitions—and you don't ever want to have one shot at you!

A BLAM is a new type of 'smart' bullet which can change direction during flight—a bit like a mini-missile. While a BLAM can't yet chase you around corners, it will soon be able to hit a moving target several kilometres away.

The bullet, under development at the US Air Force's Wright Laboratory in Florida, is fitted with a tiny

battery, microchip and sensor and can be programmed to follow a target illuminated by a laser beam.

The gun and the laser sight need not be in the same place, researchers say, and side winds are now longer a worry.

Military experts have successfully tested prototypes intended for use in aircraft cannon, and expect rifle and hand-held versions to be available within a few years. The estimated cost is expensive, at US\$140 per bullet.

(Sources: *The Sunday Mail*, 27 April 1997; *New Scientist*, 12 April 1997)

GETTING TOUGH ON PHTHALATES

In a move which reflects growing unease over phthalates, Denmark has introduced regulations to discourage the use of phthalates as additives to soften PVC plastic.

Phthalates are suspected of disrupting human physiology by mimicking oestrogen hormones.

The Danish measures include a phthalate tax and a compulsory labelling scheme, and follow concern over Danish scientists' findings that some types of teething rings release these chemicals into infants.

(Source: *New Scientist*, 5 July 1997; also refer to NEXUS 3/06 for "Poisonous Plastics" article by Barry Densley)

DENMARK GOING ORGANIC?

Denmark is considering banning all pesticides. The government has set up a committee of scientists and farmers' groups to decide by June 1998 whether the country should go entirely organic.

Some pesticides have already been singled out, and 150 products become illegal from July as a result of a law passed in 1995.

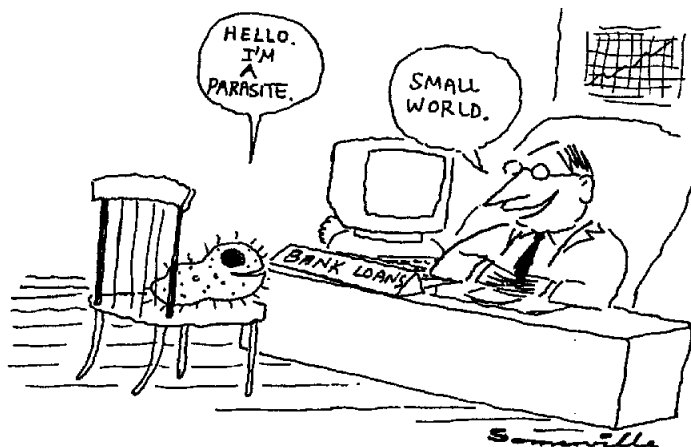
Niels Juul Jensen, deputy director of the Danish Environment Agency, says levels of pesticides are rising in the groundwater that supplies nearly all of Denmark's drinking water.

(Source: *New Scientist*, 7 June 1997)

POLLUTION/CRIME LINK

Conventional theories link crime with social, economic and psychological factors. But Roger Masters of Dartmouth College in Hanover, New Hampshire, UK, believes that toxic chemicals—in particular, metals in water supplies—can disrupt the neurological control mechanisms that normally inhibit violent urges.

He says that conventional theories can-



not fully explain why some counties in the US have only 100 violent crimes per 100,000 people each year, while others have over 3,000.

Masters analysed a wide range of statistics, including crime figures from the FBI and information compiled by the EPA on industrial discharges into both water and the atmosphere. He found that counties with the highest levels of lead and manganese pollution typically have crime rates three times the national average.

Masters argues that when brain chemistry is altered by exposure to toxic metals, any violent urges may be difficult to restrain. "It's the breakdown of the inhibition mechanism that's the key to violent behaviour," he claims.

(Source: *New Scientist*, 31 May 1997)

PENTAGON KEEPING QUIET ON GPS ACCURACY

Civilian users of the US military's Global Positioning System got an unexpected and tantalising treat recently. For about 19 hours on 20 April, while the US Air Force was searching for the wreckage of an A-10 ground attack aircraft missing in the Rocky Mountains, the satellite navigation system suddenly became far more accurate than usual—in fact, more accurate by a factor of 10 than the Pentagon admits it can be.

GPS satellites broadcast two signals. One signal is available to everyone with a civilian GPS receiver, which is usually able to calculate location to within 100 metres—although if signals are rebroadcast from a fixed receiver at a known location it is possible to narrow this down even more. The other signal is encrypted so that it is accessible only to the military. The Pentagon claims that military GPS receivers are accurate to within about 20 metres, even without "differential" GPS refinement.

However, Stan Hunting—author of a program called "SA Watch" which can estimate the error in GPS signals—says that, on 20 April, civilian GPS receivers were providing locations with an accuracy of as little as two metres without the help of rebroadcasting.

The US Air Force Space Command, which operates the GPS satellites, confirms that the usual intentional inaccuracy in the civilian signal—a feature known as "selective availability"—was deactivated on 20 April, but refuses to explain why.

(Source: *New Scientist*, 17 May 1997)

GULF WAR SYNDROME'S SHOCKING US TOLL

Hundreds of pages of sworn US Senate testimony show that five years after the celebrated end of a war unprecedented in its toxicity, the people of Iraq are not the only losers. What was first dismissed by the head of a special Task Force on Gulf War Health as a disorder caused by "lack of recreation" or "alcohol deprivation" has turned out to be an undiagnosable contagion striking as many as one in 10 Gulf War veterans—as well as many of their spouses and offspring.

While Washington admits that some 84,000 US veterans are sick, the Gulf War Veterans Association insists that possibly double that number are "sick, disabled or dying". Often in their mid-20s or early 30s, all casualties were in top physical condition before going to the Gulf. Today, many are exhausted after a short run or a climb upstairs on errands whose purpose they cannot remember.

Memory loss is a common complaint among sick Gulf War veterans. So is a constellation of seemingly unrelated symptoms, including night sweats, weight gain, insomnia, incontinence, rashes, diarrhoea, bleeding gums and rectums, sensitivity to light, chronic coughs, shortness of breath, hair loss, nausea, dizziness, blurred vision and blackouts.

For many Gulf War vets, the war is just beginning. In 1995, Washington raised the official death toll from 148 US combat deaths to 6,526 dead war veterans who had succumbed to a syndrome that does not officially exist.

Among hardest-hit units, three out of four spouses suffer from the same debilitating symptoms. Some wives complain that their returned husbands' sperm burns like ammonia. In November 1995 *LIFE* magazine published a shocking photo-essay depicting "The Tiny Victims of Desert Storm". Among 400 veterans' families studied by US Senate investigators, *LIFE* reported that 65 per cent of infants conceived after the war were found to have been born with grossly displaced limbs or internal organs.

Potential causes of Gulf War syndrome (GWS) are multiple and synergistic. Working upwind from large concentrations of friendly troops, coalition forces demolished four nuclear power plants and 27 chemical warfare production and storage sites. Along with extremely toxic oil smoke from 1,100 broken and burning oil wells, hundreds of tons of depleted-uranium munitions spread radioactive debris over these Middle Eastern battlefields.

Other attacks were deliberate. Early in the air war, the French Ministry of Defence detected chemical fallout—"probably neurotoxins"—in small quantities throughout the war zone. A Czech decontamination unit reported sarin and mustard gas among US positions in Saudi Arabia. The US Department of Defense spokesperson on chemical and biological weapons told Senate investigators that 14,000 chemical-warfare alarms sounded "three times a day" throughout the war. From 17 January 1991 until late the following month, more than 20 confirmed sarin and mustard gas attacks on US positions were logged by Fox 'sniffer' vehicles and litmus-wielding sergeants. Eight soldiers were decorated for detecting "chemical agent contamination"—or for their chemically-induced wounds.

The most glaring commonality among all GWS sufferers is the pyridostigmine bromide (PB) they were ordered to take three times a day. In the race to develop a successor to an earlier soman nerve agent antidote which had caused genetic damage in humans, side-effects from PB had crash-landed carefully screened US Air Force test subjects into hospitals with impaired breathing, vision, stamina and short-term memory.

A post-war US Army safety bulletin describes pyridostigmine bromide as "an unnecessary health and safety hazard to soldiers, their family members (especially children), and the general public". Many soldiers who took the small white tablets became sick immediately from an unlicensed drug that amplified the effects of sarin. US servicewomen who took birth control pills were especially vulnerable to this experimental drug. But no one was briefed on PB's known side-effects, which a manufacturer's product sheet lists as "drowsiness, dizziness or blurred vision...stomach upset, gas, headache, sweating, flushing, muscle twitching or increased tears and saliva".

The potential liability of British, American, Canadian and Australian governments—who issued PB without their troops' informed consent—could make the US\$180 million awarded to Vietnam veterans exposed to Agent Orange look like parking-meter change. PB has been found by University of Mississippi researchers to be made many times more toxic by the stress, DEET insect repellent, lindane and caffeine familiar to desert-dwelling GIs.

The implications of bio-warfare in the Gulf could put a severe dent in the popularity of future wars. The biggest hope among ailing veterans is that coalition governments will acknowledge that something happened in the Gulf that fundamentally altered their health, personalities and lives. If they are finally heard, a dirty, secret, nearly forgotten war will become the burial ground instead of a dress rehearsal for the next germ warfare contest.

(Source: © William Thomas, wilco@mail.islandnet.com)

— GULF WAR SYNDROME — Biological Black Magic

***Already, more than
10,000 are dead
and 250,000 are
sick from Gulf War
syndrome.***

***What secret is so
terrible (or
embarrassing) that
necessitates a
cover-up of the
facts?***

by David G. Guyatt ©1997

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TRUTH IS THE FIRST CASUALTY OF WAR

The air raid siren went off." Former Royal Air Force Corporal Richie Turnbull wheezed and coughed as he spoke. He is one of tens of thousands of Gulf War veterans who have been diagnosed with a fistful of illnesses attributed to service in the Gulf War. These include emphysema, angina, asthma, arteriosclerosis, arthritis, short-term memory loss, muscle wasting, cough syncope and numerous other debilitating ailments. Before deployment to the Gulf, Turnbull was an accomplished and superbly fit sub-aqua diver. Today, he walks with the aid of canes, slowly.

With understandable pride he told me how he had "proved Soames to be a liar three times". The reference was to the former Conservative Minister of State for the Armed Forces, the Honourable Nicholas Soames, MP. Many vets uncharitably call the former minister "Fatty Soames", owing to his handsome girth. The appellation reflects the seething contempt of an individual whom vets regard as one of the principal architects of a monstrous transatlantic cover-up.

Turnbull was an RAF Senior Electrician in a Nuclear, Biological & Chemical (NBC) unit and an experienced instructor on NBC equipment. He was stationed at the giant military base located at Dhahran on the night of 20 January 1991, when air raid sirens began wailing madly. Incoming Scud missiles were detected and a nearby US Patriot battery fired off intercept missiles. One of the missiles downed the Scud which landed a mere 400 yards from Turnbull. The impact left an eight-foot-deep crater but, curiously, the giant ground-to-ground missile did not explode.

"All the nerve agent detectors sounded the alarm," Turnbull recalls. As an NBC expert he ran three tests which confirmed the presence of "G agent", otherwise known as Sarin—the deadly nerve agent developed by the Nazis in World War II. Turnbull ran a further three "residual vapour detector tests" which also showed the presence of nerve agents. In all, he says, "thirty-three items of equipment showed that chemical weapons had been detected".¹

"NBC Condition Black" was sounded and everyone on the base rushed to don their NBC "Noddy" suits. Incredibly, 20 minutes later an all-clear siren ("NBC Condition White") sounded and troops removed their protective clothing accordingly. Twenty minutes later "NBC Condition Black" sounded again, and remained in force for a further eight hours.

Turnbull, who says he is "absolutely certain it was a chemical weapon attack", is understandably angry. Sounding the all-clear when nerve agents were shown to be present was, he says, "the biggest cock-up in history". Hundreds of troops were needlessly exposed to Sarin, he believes.²

Turnbull continues to be a thorn in the side of Britain's Ministry of Defence (MoD) and the US Department of Defense (DoD). Both maintain that chemical weapons were not intentionally used by Iraq's Saddam Hussein. A spokesman at the MoD had earlier told me that he was a Royal Navy officer and was "in theatre" during the Gulf War. He went on to assure me personally that had the Iraqis intentionally used chemical and biological (CB) weapons "we would have retaliated in kind"—an allusion to US President Bush's threat to retaliate with a nuclear strike if Saddam Hussein unleashed his prodigious chemical armoury on coalition troops.

In the event, it was an empty threat—old-fashioned political rhetoric dished out for the folks at home.

CHEMICAL ATTACK OR COCK-UP?

Faced with mounting evidence of chemical weapons exposure by coalition troops, both the British and US governments belatedly acknowledge that chemical weapons dumps were bombed, or otherwise destroyed, by coalition forces. They even acknowledge that the resulting plume of toxic material, blown by the wind, is likely to have exposed many thousands of coalition troops to these deadly agents. In other words, it was an unforeseen accident. This admission is known in intelligence parlance as a "limited hangout"—a technique designed to show that they are now telling the truth. They are not.

Pat Eddington, a former CIA intelligence analyst, in his book, *Gassed in the Gulf*, scathingly uncovers the institutionalised dishonesty within the CIA and the DoD over Gulf War Syndrome (GWS).³ Reasonably, he argues that based on the increasing number of vets prepared to speak of their experiences, it is clear beyond all doubt that coalition forces came under a series of Iraqi chemical and biological weapons attacks.⁴ Like Admiral Nelson placing a telescope over his blind eye, then exclaiming he can "see no ships", the Mandarins in Whitehall and Washington are wilfully blind to what they don't care to acknowledge. Yet, the evidence is overwhelming.

Ray Bristow had served 20 years with the Territorial Army. When not involved with his TA duties, Bristow was an operating theatre technician at his local hospital. He was mobilised on 27 December 1990, promoted to a Warrant Officer, and sent to the 32 Field Hospital located at Wadi al Batin, just a few kilometres away from the town of Hafar al Batin.⁵ On 19 January 1991 he and other personnel watched as a Scud missile roared overhead and exploded in an airburst. He could clearly see a cloud of vapour discharge from the Scud. The NBC alarms (known as NAIADS), scattered around the base, wailed loudly, alerting the troops of "NBC Condition Black". "We were Scudded," Bristow said, and the specialised equipment detected the presence of chemical agents.⁶

Also present at Wadi al Batin that evening was former Sergeant Shaun Rusling. Previously with 23 Para Regiment's 5 Airborne Field Ambulance, Rusling was an experienced Special Forces medic. His duties were to attend to the sick and wounded of Britain's One Armoured Brigade. This soon grew to encompass caring for other coalition forces and Iraqi casualties, too. He watched the Scud explosion and saw the cloud of vapour bloom overhead. He also believes the unit came under artillery attack with rounds containing chemical weapons.⁷

Numerous boxes of 155-mm chemical ammunition were secretly recovered by coalition troops in the Kuwait Theatre of Operations (KTO) during the ground war and subsequent mopping-up operations. Made in the USA, they had been supplied to Iraq via Jordan.

Nor were Scud and artillery bombardments isolated incidents. Terry Walker was a Corporal with the Royal Army Ordnance Corp and detached to a "Forward Repair Group" of an armoured workshop. He was present at Al Jubayl when two Scuds exploded above them.⁸ No prior warning was sounded. This, he recalls, was "the worst morning with two almighty explosions above the Port". Immediately chemical detectors madly sounded "NBC Condition Black", and this was "followed by sheer panic with hundreds of guys running for cover". Walker hid among the rocks of the Port "for about four five hours". Later, "an officer came along saying we've been hit with chemical agents". The next day he and the other personnel on the base were told the cloud vapour was nothing more than aircraft fuel leaking from a damaged plane—an explanation he and the others disbelieve. Aviation fuel does not trigger the NAIAD detectors. Today, Walker suffers from a number of illnesses and strongly believes there has been a massive cover-up. "My wife is ill and my little girl is ill, too," he said during a telephone interview, then added that his "medical notes from the RAF hospital have gone missing".

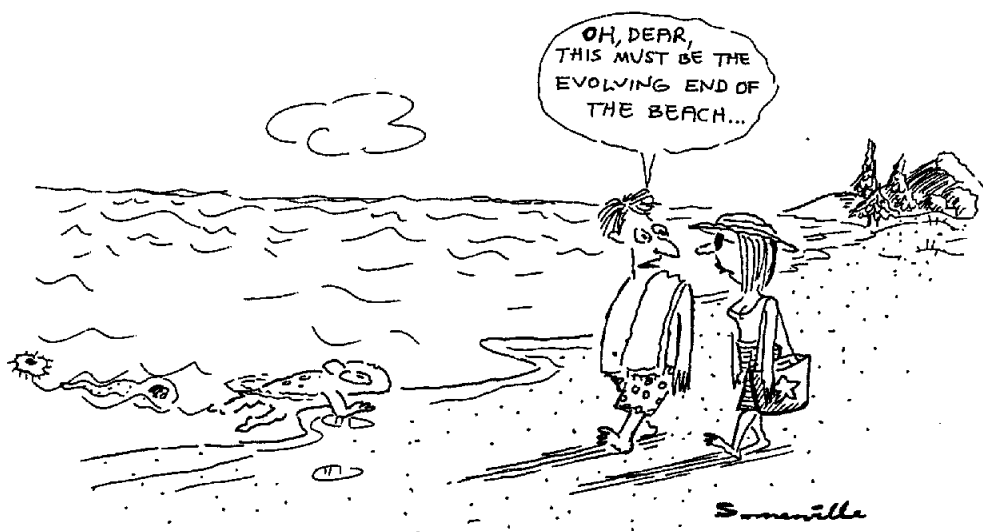
The Al Jubayl attack was also witnessed by Sergeant-Major Paul Grant who commanded a team of Royal Army Ordnance Corp specialists. In the early hours of 19 January 1991, Grant was awoken by a distinctive overhead explosion. He is in no doubt whatsoever that this was an airburst, not a ground explosion. NAIADS detectors began sounding "NBC Condition Black". The first explosion was followed by a second airburst explosion. Around the base loudspeakers warned, "This is not a drill!" His story corroborates those of other vets I have interviewed. However, Scud chemical attacks were not limited to Al Jubayl.⁹

COALITION COMPLICITY

Yet despite this testimony, these and other vets continue to be treated with official contempt. As recently as January 1997, the Countess of Mar posed a parliamentary question in the House of Lords which asked if the MoD had any "documentary evidence of chemical warfare" in the Gulf conflict—a curious question which was limited only to chemical attack. Questions regarding the use of biological weapons remain unutterable. In his reply, the Earl

Howe stated that research conducted by the MoD "does not indicate any confirmed use of chemical warfare agents during the conflict"—which is an even more curious answer.

Who, conceivably, could confirm the use of chemical weapons other than those trained soldiers present during a chemical attack? Likewise, the tens of thousands of "detections" triggered by chemical agent detectors throughout the conflict are simply categorised as "alleged detections" which were "uncorroborated at the time". Again, a careful and deceitful choice of words.^{10,11}



But behind the intentional use of chemical agents by Iraq lurks a far more sinister story which hitherto has not been told in any detail. Biological weapons, unlike chemical agents, don't just kill on the battlefield: survivors returning home carry with them the potential seeds of destruction. These, in turn, can infect the families of Gulf War vets—a situation that is now occurring.

Importantly, the British and US governments were well aware of the potential use of both chemical and biological weapons by Saddam Hussein. They had, after all, supplied him with the wherewithal to develop his ferocious CB armoury. This included sophisticated equipment together with the necessary chemical precursors and biological cultures.

This knowledge led the British and US governments to vaccinate their troops with a 'cocktail' designed to protect them against both chemical and biological attack. Vaccines given to coalition troops included, amongst others, anthrax, botulism and bubonic plague. Cultures for all three were supplied to Iraq by the US Government during the middle/late 1980s for use in Iraq's CB weapons program.¹²

BIO-WEAPONS AND "THE SECRET TEAM"

"British personnel were infected with anthrax spores," spoke Angus Parker with quiet certainty. I had interviewed a number of Gulf War veterans who recounted their experiences of coming under CB attack from the Iraqis. All are angry and frustrated at the stonewalling attitude of Britain's Ministry of Defence regarding their numerous illnesses which fall under the catch-all banner of Gulf War Syndrome. Eventually, one vet gave me a telephone number, saying, "You should speak to Angus."

Initially, Angus Parker was cautious, but after a few minutes he warmed to his story. Methodically, he first outlined for me the existing Soviet battlefield doctrine associated with Scud missiles armed with chemical and biological weapons. This is known, Parker said, as "a mixed load". The Scud warhead would typically consist of a deadly combination of explosives and chemical and biological agents of mixed intensities. The quantity of explosives would be small, but sufficient to ensure that the CB mixture would form a wide vapour plume over the target.

A former soldier in the Territorial Army, Angus Parker operated for a top-secret British unit. He has never before gone on record with his story, but frustration mixed with growing anger has led him to "blow this wide open".

Following the injection of 12 vaccines in one morning, Parker suffered an adverse reaction. As a result he was hospitalised and his deployment to the Gulf delayed. "I was left behind and got out on the last days of the ground war," he said. This and his civilian occupation as a technician in a haematology lab resulted in his being attached to the 1st Field Laboratory Unit, known as "The Secret Team". The unit "existed only once before in World War I, but was mothballed until the Gulf War," Parker stated, adding that when he returned from the Gulf he was told that "I was not to disclose the nature or role of the team I was serving with". So secret was the unit, he said, that "it does not appear in any listing".^{13,14}

What Angus Parker has revealed is extremely disturbing. The 1st Field Laboratory Unit was composed of 40 men working in eight teams of five. It was deployed from Porton Down, Britain's biological warfare headquarters. Parker, ranked Sergeant, was second in command of one of the five-man teams. "As the biological warfare reconnaissance team, we were sampling the environment looking for biological weapons," he said, adding that "this was difficult and hard to do. We could only identify four agents: plague, anthrax, botulism toxin A and B—that's all." The specialised equipment they had to work with to identify bio-weapons was not very sophisticated.

Parker has confirmed that his unit found numerous positive samples of biological organisms that couldn't be analysed and identified on the battlefield. "Many, many more were present" than the four they could identify. Positive samples were collected and shipped in freezer units to Boscombe Down for analysis by the Porton Down CB specialists.

Significantly, in addition to confirming that his unit positively identified the presence of anthrax at Dhahran, Parker also revealed that another team of the 1st Field Laboratory Unit identified the presence of plague at Wadi al Batin.

Angus Parker has tried in vain to get other members of his unit to come forward and speak openly, but they are too scared to do so. "They're not sick and still have their jobs," he explained.

Parker is not alone in revealing the use of biological weapons in the Gulf War. US Marine Corps battlefield logs released under the Freedom of Information Act confirm the findings of Porton Down's "Secret Team". On 24 February 1991, the US Army's 513th Military Intelligence Brigade confirmed the use of anthrax at King Khalid Military City.¹⁵

However, like events in Britain, important and potentially incriminating records have mysteriously gone "missing". Two US Marines at Camp Pendleton, San Diego, have gone public to say they observed "hundreds of records from the Gulf War being destroyed".¹⁶ This and numerous other accounts of records being "destroyed" and going "missing" can only lead to charges of a massive "Gulf-Wargate" cover-up.

US BIOLOGICAL ARMS TO IRAQ

A 1994 Senate Report, entitled "Arming Iraq: The Export of Biological Materials and the Health of Gulf War Veterans", underscores the biological threat possessed by the Iraqis. More often referred to as "the Riegle Report", named after its author, Donald J. Riegle, Jr, the Report itemises biological cultures supplied to Iraq by the US. Riegle and his team identified no less than 61 batches of biologically hazardous materials exported to Iraq. "Between the years 1985 and 1989, the United States Government approved the sales of quantities of potentially lethal biological agents that could have been cultured and grown in very large quantities in an Iraqi biological warfare program," Riegle stated. These included pathogenic materials, "which means disease-producing items, and toxic, meaning poisonous items."¹⁷ The Report added that "we were not able to get any records prior to 1985". Riegle then

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included an extract from a Department of Defense summary report written in 1992:

"By the time of the invasion of Kuwait, Iraq had developed biological weapons. Its advanced and aggressive biological warfare program was the most advanced in the Arab world. The program probably began in the 1970s and concentrated on the development of two agents, *botulinum* toxin and anthrax bacteria... Delivery means for biological agents ranged from simple aerial bombs and artillery rockets to surface-to-surface missiles."

Other biological agents provided by the US to Saddam Hussein's biological warfare program included *Histoplasma capsulatum*, which can cause symptoms resembling tuberculosis and lead to the enlargement of the liver and spleen as well as anaemia and skin disease—symptoms that many veterans now exhibit. Another organism was *Brucella melitensis*, which, when 'weaponised', causes chronic fatigue, profuse sweating and loss of appetite, joint pains, insomnia and nausea, and can potentially result in major damage to the vital organs. Again, these symptoms reflect the conditions experienced by thousands of Gulf War veterans. In addition to the foregoing, shipments to Iraq also included "*E. coli* and genetic materials, human and bacterial DNA".¹⁸

Furious at the way the Department of Defense has side-stepped these disgraceful issues, Riegle fired off a volley of letters to various officials. One letter identified that the "average cost" of each of the various biological specimens shipped to Iraq was "less than \$60.00" and that they were "acquired from a not-for-profit organization".¹⁹

Stories also circulating of a genetically engineered organism being used in the Gulf War are paralleled by stories from British veterans who also claim the use of a modified mycoplasma organism. These vets include Angus Parker who had earlier said it was "an infectious organism manufactured in the US". Oddly enough, this is one of the enduring aspects of the "Octopus" story involving engineered bio-organisms supplied to Iraq by the Wackenhut Corporation, the giant US private-sector security company whose board of directors reads like a roll call of military and intelligence alumni. It is an allegation supported by US investigative journalist Carol Marshall in her manuscript, "The Last Circle".²⁰

Marshall has spent years investigating the allegations of Michael Riconosciuto—a former CIA scientific whiz-kid. Riconosciuto claimed that while working for the Wackenhut Corporation at its Cabazon Indian Reservation facility he developed advanced and genetically altered biological warfare agents. One such agent, he alleged, was a "race-specific" organism, genetically engineered to attack certain races or groups. Unleashed it could kill or render ill all those of a particular ethnic group, leaving others entirely unharmed.

Clearly, the possibility of genetically modified bio-weapons having been used in the Gulf War cannot be entirely ruled out.²¹

Significantly, in the US Army War College publication entitled "The Revolution in Military Affairs and Conflict Short of War" (dated July 25, 1994), authors Steven Metz and James Kievit also

discuss this touchy subject. On page 16 they state: "Certain biotechnical weapons—considered by some to violate the biological warfare convention to which the United States is a signatory—also may transgress American values regarding appropriate means." They go on to ask: "Could the government and military of this multi-ethnic republic face charges that it was developing or using a weapon targeting Africans, Jews Koreans, Hispanics, etc.?" The authors then conclude that, "Overcoming these constraints...would require fundamental changes in the United States—an ethical and political revolution may be necessary to make a military revolution." This, the authors "hypothesise", could be achieved by remodelling the way Americans think, and also via the effective control of news management using "advanced psychotechnology" and other techniques such as "morphing".

EXPERIMENTAL VACCINES COVER-UP

If genetically engineered biological weapons are now available, it is certain that there will have been developed the necessary antidotes in the form of vaccines. All of the vets I interviewed for this article spoke of the large number of vaccines with which they were injected.

Shaun Rusling received 24 vaccinations over a four-week period. Two of these vaccinations were classified secret, and were "experimental", he believes.

Richard Turnbull got a dose of 13 inoculations in just 10 minutes. Four of them were unidentified and classified secret. He also believes them to have been experimental.

Ray Bristow was informed in a letter from Brigadier McDermott of the MoD that some of his injections were also classified. Later he was informed by the Surgeon General, Admiral Revell, that this was not the case and that Brigadier McDermott's statement was incorrect.

How many vaccines were classified secret? The Surgeon General, Vice Admiral Revell, during a "behind closed doors" meeting of Parliament's Defence Committee, was asked, "How many vac-

cines do we not admit to?" He replied, saying, "I think probably about five or six."²²

All previously classified vaccines were declassified on 10 December 1996, according to a letter dated 20 January 1997 from the Ministry of Defence. A spokesman at the MoD confirmed this in a telephone call on Friday 30 May 1997, adding that there were only three vaccines that had ever been classified. He told me these were: anthrax, pertussis and plague. This statement is confirmed in a letter to Shaun Rusling, dated 20 January 1997, in which the MoD confided that "the vaccines you were given against potential biological warfare threats were anthrax, pertussis (as an adjuvant) and plague. These are the only vaccinations which have ever been classified." This is a far cry from the testimony of Surgeon General Revell in the closed-door hearings of the Defence Committee in which he said there were "five or six" vaccines which were "not admitted to".

I posed this discrepancy to the Ministry of Defence. Surgeon General Revell's testimony before the Defence Committee was "a misunderstanding", the MoD spokesman said. Despite this "mis-

Shaun Rusling received 24 vaccinations over a four-week period. Two of these vaccinations were classified secret...

Richard Turnbull got a dose of 13 inoculations in just 10 minutes. Four of them were unidentified and classified secret.

understanding", the medical records of Corporal Richard Turnbull clearly state that four vaccines—not three—were classified secret.

Turnbull is not alone in this respect. Ray Bristow's list of shots, including anthrax (batch no. 0190), plague (batch no. 10H03A) and pertussis adjuvant (batch no. B1868a)—to name just those three that were officially classified—also detail two other vaccines labelled "biological". These are still classified secret and their contents remain "unknown". The story is identical for Shaun Rusling, even down to the same batch numbers of the vaccines he received.²³

The Surgeon General, Vice Admiral Revell, stated in one letter that, "Unfortunately, medical record-keeping in the Gulf was not as thorough as it should have been..." and, as a consequence, details of certain vaccinations are now missing—a position that remains the government's official line.

A number of veterans now believe they have been used as unwitting guinea pigs and are deeply concerned at what precisely may have been pumped into them. Once again, Porton Down's Angus Parker dropped another bombshell. Patiently, he explained that "the MoD has not been totally honest about the vaccines used against us". I couldn't help but catch his use of the word "against" us instead of "on" us. Clearly, he now considers the Ministry of Defence and others in the Whitehall bureaucracy to be bitter enemies—and he is by no means alone in holding that view. A few vets repeatedly warned me that the "Security Services" are paying them close attention. Some have had their phones tapped and others experience peculiar mail delivery problems.

Meanwhile, Parker went on to reveal the chemical structure of one of the apparently 'still not admitted to' vaccines. "There is an experimental vaccine—an AIDS vaccine," he said. This "has been around since approximately 1990." He went on to explain that this vaccine contains two components. One component is known as a "cytokine" which, Parker said, is an "immune potentiator". It works like a "chemical messenger sent between different cells in the body". When it detects a foreign organism, "it actually stimulates a response by the human immune system" to fight and hopefully destroy the alien organism present.

Parker's analysis of this component was confirmed by a spokesman for London's Biochemical Society, who added that it was "feasible" that cytokines could be "purified and cloned" and used to fight "against any agent". The spokesman added, moreover, that cytokines were very "hush-hush", were "cutting-edge technology", and "logically" would have been "adopted by the military". They were, she added, "experimental".

According to Parker, the second component consisted of experimental HIV gene envelopes. He went on to explain one of the basic problems with this experimental vaccine. Whereas cytokines readily drop out of the body after awhile, "fragments" of the HIV genes do not. Although there may have been "good operational reasons" for topping up the vaccine with HIV genes, Parker acknowledged that no one knows the long-term consequences. "It was experimental," he emphasised, and had been originally developed by Porton Down as an AIDS vaccine.^{24,25}

The question of HIV gene envelopes was put to the Biochemical Society's spokesman, who stated that these envelopes "can be created to be specifically resistant to CBW".

The spokesman went on to explain that gene envelopes are effectively the "walls" that surround the nucleus of each cell and are thus the first line of defence against diseases—whether they be naturally acquired or as a result of CB weapons attack. HIV gene envelopes are among the most powerful and resistant known to science, she added.

Professor Beverley of the Edward Jenner Institute for Vaccine Research could think of no theoretical reason why HIV gene envelopes would be used other than to "stimulate a response against HIV". He went on to speculate that had HIV gene envelopes been used in a vaccine, logically this would only have occurred as protection against a possible attack using HIV as a bio-weapon. There was, he felt, no other conceivable reason, but added that had such a vaccine been "given to Gulf War soldiers it would have been speculative".

The picture that emerges is confusing. The use of cytokines does have a rational explanation, for cytokines trigger the body's immune system. As such, they could be an ideal general vaccine for use in a CB warfare setting. However, the rationale behind

using HIV gene envelopes is less certain and considerably more perplexing. Unfortunately, there is not enough detailed information available in regard to the HIV gene envelopes to reach anything but a speculative conclusion.

Some weeks prior to my interview with Professor Beverley, Angus Parker told me in a throwaway comment, "I don't even want to get into AIDS as a weapon." At that time, nor did I. Professor Beverley's certitude that this is the only conceivable reason why HIV gene envelopes

would have been used, leaves a sour taste in my mouth.

However, for clarity's sake, I leave the last word with Angus Parker. Told of Professor Beverley's theory, he remained adamant that there was another reason why HIV gene envelopes had been used. His information, he insisted, came directly from the horse's mouth, and I am inclined to accept what he has revealed. At the outbreak of the Gulf War there were not enough stocks of cytokines to go around; thus, a decision was made to top them up with the HIV gene envelopes which, he assured me, act in a very similar fashion to cytokines in that they trigger the body's immune system. Significantly, Professor Beverley confirmed this when he said that "they do indeed trigger and regulate the way the body relates to pathogens".²⁶

Clearly, Parker's revelations—if proved true—are stunning.²⁷ The secret use of an experimental vaccine on British military personnel may be one of the most significant reasons why the Ministry of Defence continues to stonewall vets about the vaccines they received. To admit to involuntary human testing on such a sensitive issue will lead to a public relations disaster of huge proportions. As one ill vet told me, "I was ordered to volunteer" for the shots. He now wishes he hadn't. The second potential reason clearly opens a can of worms about the possible development of HIV as a biological weapon.²⁸

BUSINESS AS USUAL

But there are other equally powerful reasons to keep the lid on the Gulf War Syndrome story. Pat Eddington, the former CIA analyst, has no doubt that the principal reason for the US Government's stonewalling tactic is to cover up the supply of CB

The secret use of an experimental vaccine on British military personnel may be one of the most significant reasons why the Ministry of Defence continues to stonewall vets about the vaccines they received.

weapons to Iraq prior to the Gulf War. For the US Government to admit to such cynical irresponsibility would result in public outrage, Eddington says.

Eddington also chastises the Senate whose members selfishly refuse to act against the wishes of the Pentagon. Their delinquency of duty has resulted in the side-lining of in excess of 100,000 Gulf War veterans who now exhibit a range of symptoms typical of chemical, and, in some cases, biological attack. In this 'business as usual' scenario, Eddington also reserves some powder and shot for the major media who are largely willing to accept, at face value, the cloying PR handouts from the Department of Defense.

Hopelessly abandoned by one and all, many thousands of vets have now died as a result of their chemically inspired battle injuries, adding even more incentive to the Pentagon to continue the cover-up.

But in the final analysis, the reasons surrounding the British and US governments' disgraceful obfuscation are many. Certainly, the prior supply of CB weapons to Iraq is enough to make many government officials quake with the fear of disgrace. It is a similar rationale that continues to eclipse the illegal use of experimental, unlicensed and highly sensitive drugs. Not least, however, is the knowledge that defence against chemical and biological weapons attacks is utterly shambolic. Pat Eddington states that CBW protective suits and gas masks are: "... (a) notoriously defective, and (b) in very short supply—two problems that have yet to be corrected more than six years later." He adds, "That's not something the Pentagon wants to advertise to the likes of Hashemi-Rafsanjani, Kim Jong Il or Colonel Qadhafi."²⁹

Yet few can doubt that the intelligence services of Iran, North Korea or Libya are already aware of the published shortcomings of American and British CBW protective equipment. A more significant fear may be the realisation inside the Pentagon and the Ministry of Defence that their own troops will be less than willing to wade into a future CB battle zone virtually buck-naked.

Armed only with an uncertain dose of HIV but the certain knowledge that—thanks to the grace of greed and military commercialism—those chemical and biological organisms you are about to inhale and absorb have "made at home" stencilled all over them, would you volunteer for military service? ∞

About the Author:

Born in England, David Guyatt is a freelance investigative journalist whose former career as an executive in international banking and finance provided the background that inspired his research into the shady world of international weapons financing, narcotics trafficking and money laundering.

He has worked with the International Committee of the Red Cross on weapons-related projects; the charity pressure-group World Development Movement on British arms financing; and the leading British TV documentary program, *World in Action*.

David Guyatt's current research interests include military/intelligence mind-control programs and non-lethal weapons systems, as well as the hidden influence of elitist groups around the globe.

Endnotes

1. The CB attack on Dhahran on 20 January 1991 is confirmed in US CENTCOM battlefield logs obtained under FOIA. Delivery was via a Scud missile.
2. Telephone interview with this writer, dated 12 May 1997.
3. Eddington, Pat, *Gassed in the Gulf*, Insignia Publishing Co., Washington, DC, USA, 1997 (<http://www.InsigniaUSA.com>)
4. Eddington convincingly argues—based on captured Iraqi documents—that chemical and bio-warfare agents were used in non-lethal doses. This explains why coalition troops did not keel over and die immediately. Iraqi CB doctrine was to use low but repetitive doses, which they calculated would produce greater long-term damage, Eddington says.
5. US CENTCOM logs confirmed a later Scud attack on Hafar al Batin on 14 February 1991.
6. Telephone interview with this writer, dated 13 May 1997.
7. Telephone interview with this writer, dated 13 May 1997.
8. The Al Jubayl incident is the most comprehensively documented case of CB attack by the Iraqis. Records obtained under FOIA indicate that Scuds were not used. Delivery of the CB weapon was almost certainly as a result of aircraft penetration, possibly a Russian-manufactured Sukhoi SU-22 *Fitter* fighter-bomber.
9. Telephone interview with this writer, dated 15 May 1997.
10. Parliamentary Q & As in this writer's possession.
11. A total of 55 incidents have been recorded to date by US CENTCOM logs. CB attacks began on 17 January 1991 and continued throughout the ground war in all major sectors.
12. See Report by Senator Donald J. Riegle to the

- US Senate, titled "Arming Iraq: The Export of Biological Materials and the Health of Gulf War Veterans", dated 9 February 1994. *Bacillus anthracis* *cohn* and *Clostridium botulinum* type A cultures were shipped on 2 May 1988. In all, Riegle was able to identify no less than 61 biological cultures supplied to Iraq between 1985-89. Some of these included human gene clones.
13. Telephone interviews with this writer, dated 13 and 14 May 1997.
14. I have been given a copy of an MoD written statement regarding the 1st Field Laboratory Unit which states: "We can confirm that this unit operated in the Gulf. Its primary task was related to the detection of biological warfare agents, of which there was a real and compelling threat. As part of their work they were monitoring the effectiveness of the biological immunisation programme."
15. Bernstein, Dennis, "Gulf War Syndrome Covered Up", *Covert Action Quarterly*, no. 43, Winter 1992/3.
16. *ibid*.
17. "Riegle Report", p. 3.
18. *op. cit.*, p. 5.
19. Donald J. Riegle's letter to William Perry, US Defense Secretary, dated 9 February 1994.
20. Carol Marshall's manuscript, "The Last Circle", running to 140 pages, is a comprehensive investigation into the so-called "Octopus".
21. Significantly, the International Committee of the Red Cross (ICRC) is concerned about the development of "genetic weapons" and fears that "the possibility exists for their misuse for political ends". The ICRC warns that developments of gene/race-specific weapons may or could be taking place. See "Expert Meeting on Certain Weapon Systems and on Implementation Mechanisms in International War", ICRC, Geneva, Switzerland, July 1994.

22. A copy of this memorandum is in my possession.
23. The only difference is that Rusling received a hepatitis B jab, whereas Bristow received hepatitis A. In all other respects their lists of vaccines are identical—including two that remain classified.
24. Parker states that he has received confirmation of the use of the HIV gene vaccine from a well-placed and extremely knowledgeable source, whom he is unable to identify.
25. I understand Porton Down denies any involvement in HIV research, but see notes below.
26. I couldn't help but note the use of the plural—a usage that seems inconsistent with his otherwise firm statement. It had taken me two days and numerous phone calls before I was finally able to make contact with Professor Beverley. I had been given his number by an individual working in the field of immunology. Unbeknownst to me at the time, this individual had contacted Porton Down, revealing the interest and direction of my questions—a fact she revealed the following day when I phoned back with an additional question. Meanwhile, Angus Parker was told, via a circuitous route, that the MoD was very "displeased" with him for talking to me. A paranoid may well consider that two days "in the world of shadows" is a very long time indeed.
27. They also raise the question of why Britain's top-secret bio-warfare lab is involved in developing an AIDS vaccine. The possibility that AIDS has been 'weaponised'—apparently a technical possibility—is an old and largely discounted story attributed to a Cold War disinformation campaign.
28. Perhaps a 'red herring'?
29. Correspondence with this writer.

A Bitter Pill to Swallow

The Oral Contraceptives Betrayal

***The Pill has
exacted a high
price from
women due to its
serious and even
life-threatening
side effects.***

***Has it all been
worth the
trouble?***

Part 2

by Sherrill Sellman ©1997

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A prophetic warning was issued about the Pill by Sir Charles Dodd, President of the Royal College of Physicians, in 1961: "The women who have continuous treatment with the contraceptive Pill have an entirely different hormonal background due to pituitary inhibition. One cannot help but wonder what will happen if this state of affairs is allowed to continue."³⁴

Sir Charles should know, since he and his colleagues discovered the first non-steroid oestrogen compound, known as diethylstilboestrol (DES), in 1938. While a synthetic compound, it locked into the oestrogen receptors so exactly that the cell was fooled into thinking that the body's own oestrogens were stimulating activity. At the time, Sir Charles gave stern warnings of stilboestrol's power and cautioned against its use, predicting serious effects that in the years ahead were to be realised. And so the age of synthetic hormones began.

Synthetic progesterone, known as progestin, was first made by Allen and Ehrenstein in 1944 using a lengthy and complicated method. In the 1950s the German firm Schering and the American firm Syntex were the first companies to produce these orally active hormones commercially. When taken orally, these steroid hormone drugs are between 500 and 1,000 times more powerful than the natural progesterone produced by the body.³⁵

Animals reacted in a wide variety of ways when given the new hormone preparations. There were changes to their carbohydrate, fat and protein metabolism and alterations in their salt and water balance, demonstrating the overlap of adrenal steroid hormone action. Animals given these progestins in pregnancy sometimes produced offspring with abnormalities. Hormones are more likely to induce congenital abnormalities or cancer when there are nutritional deficiencies. Even when laboratory animals were given a diet with added essential nutrients, the hormones still caused significant deficiencies.

In spite of animal studies, the decision was taken to go ahead with clinical trials of the Pill. Since it was common knowledge at that time that oestrogens could cause breast cancer, the original Pill trials in America used progestins. However, when progestin-only pills were taken, women complained of too much bleeding. It was then realised that to imitate the regular normal monthly period, an oestrogen needed to be added.

Dr John Rock and Dr Gregory Pincus tried out the first "Pincus Pill" in the 1950s on a Harvard volunteer group and on some chronically ill mental patients. Both men and women took a high-dose form of Enovid (10 mg), which was more than enough to stop ovulation in women and sperm production in men. One of the men displayed shrunken testicles; consequently, all further trials with the "male pill" were unceremoniously abandoned. It was unanimously agreed upon by the researchers that any "male pill" would have to be really safe before experiments could proceed—but no such caveat was ever given to safeguard the health of women.

However, the stage was now set to embark upon the largest experiment ever conducted on an unsuspecting female population—an experiment which continues to this day. The combined use of synthetic oestrogen and progestins was introduced first *en masse* as oral contraceptives for fertile women, and then later infiltrated the lives of menopausal and postmenopausal women. For some women, their childbearing years all the way through to their post-menopausal years have been ruled entirely by these synthetic hormones.

Sir Charles ventured into the world of hormones with great caution, warning that, "We should always be humbled when we think of what we do not know about the female reproductive cycle. We still have no understanding of the mechanism that makes one Graafian follicle in one of the ovaries of a normal woman mature and ovulate each month. This is a baffling problem. Until we know the mechanism that selects one

Graafian follicle, out of perhaps hundred of thousands, to mature each month, we still have to proceed with caution on any long-term hormonal treatment of the human female."³⁶ Unfortunately, the health of millions of women would be sacrificed in the decades that followed as the race for profits silenced Sir Charles' concerns.

BLOOD CLOTS, STROKES AND HEART ATTACKS

The most notorious Pill side-effect reported in the 1960s was thrombosis, or, simply, blood clot. Indeed, blood clotting is still one of the most frequent and most dangerous side-effects of the Pill. Clots can form in either arteries or veins, blocking the blood circulation. They can cause strokes, paralysis, heart attacks and severe abdominal pain.

A common site for a blood clot is the leg veins, and this is potentially dangerous because the clot can travel up into the lungs as a pulmonary embolus. Sudden damage to the lungs can be as much an instant death as a heart attack. The Pill was claimed to be safer than pregnancy, but in the 1960s the number-one cause of maternal deaths was a blood clot in the leg, leading to pulmonary embolism, as a result of oestrogen intake. Nearly half of all new mothers were given oestrogen in the form of stilboestrol (DES) to suppress lactation soon after childbirth. Some obstetricians at that time used to give large amounts of oestrogens to induce labour. The risk of post-partum thrombosis was three times greater if oestrogen was prescribed.³⁷

The concern that the Pill was implicated in thromboembolic disorders was reflected in the medical literature as far back as 1968. In those days the researchers attributed part of the increased risk to an increased blood viscosity and increased platelet stickiness caused by oestrogen. These two blood changes were "due to the oestrogen component of the contraceptive preparations and do not occur in patients receiving progestins alone".³⁸

It would be years later before it was realised that progestins, too, contributed to the rising incidence of blood clots and heart attacks in healthy young women. Both oestrogen and progestin were finally recognised to be a deadly duo and culpable in creating blood clots which all too often lead to strokes and heart disease. In addition, this combination caused dilation and thickening of arteries and veins in the womb, legs, eyes, brain and throughout the body, contributing to migraines, palpitations and high blood pressure.

In 1970, three Washington, DC, US Army pathologists studied the blood vessels of 20 young women who had died while taking oral contraceptives for as little as five weeks to 13 months.³⁹ Recent clots were found in vessels all over their bodies including the lungs, liver, abdomen and legs of these young women. Most of the vessels had thickened patches in the inner layers of the artery and vein walls, sometimes nearly filling the entire vessel.

In 1977, US Air Force gynaecologists examined the main womb artery taken from women who had undergone hysterectomy. Nearly all of the 44 patients who had taken the combined Pill, or had taken so-called natural HRT or medroxy progesterone (Provera), had moderate-to-severe thickening of the inner layer of

the arteries. Most of the Pill takers had used the Pill for less than five years, but those who had taken the Pill for longer had more severely affected blood vessels.⁴⁰ There is an undeniable link between Pill use and hysterectomy.

When smaller-dose oral contraceptives became available it was hoped that they would cause fewer clotting disorders, but this turned out to be wishful thinking. Dr Christopher Tietze, the statistical expert of the Population Council, has said that there is "no evidence" that women on low-dose contraceptive pills have fewer blood clots than women on higher doses. Brain researchers have provided suggestive evidence that supports this conclusion.

A team of investigators at Whittington Hospital in Manchester compared two groups of women, one group taking an oral contraceptive containing twice the dose of hormones as the second group was taking. The researchers reported in the *British Medical Journal* that, after three months, significant rises in blood clotting factors were found equally in both groups. "Clotting changes do not appear to be dose-dependent," they concluded.⁴¹

A review of many international studies on the Pill gave the following results by 1980: Pill takers had 1.5 to 11 times more risk of an embolism, one to 14 times more risk of a heart attack, and two to 26 times more risk of a stroke due to either thrombosis in a brain artery or a haemorrhage in the membranes around the brain.⁴²

With newer generations of progestins being developed, it was hoped that a safer version of the Pill would finally be offered. In October 1995, the UK Committee on the Safety of Medicines recommended that women should change from Pill formulations containing the third-generation progestins (gestodene and desogestrel) because these progestins have been shown to double a woman's risk of non-fatal blood clots.⁴³

The Sydney *Sun-Herald* ran this lead story on 22 October 1995: "Warnings that low-dose contraceptive pills double the risk of women developing potentially fatal blood clots has caused panic around the world. The specific focus of these public warnings pertained to the newest versions of the Pill—Fermoden, Trioden, Minulet, TriMinulet and Marvelon—which all contained either gestodene or desogestrel."

What may have gone unnoticed amidst the media coverage was the important point that a doubling of the risk which was reported was actually a doubling of the already existing three-to-four-fold risk associated with currently used second-generation progestin formulations of the Pill. The low-dose, third-generation Pill could elevate a woman's risk of blood clots six-to-eight-fold when compared to the risk for a woman who has never taken the Pill. Some research places this figure even higher, making Pill users up to 11 times more likely than non-users to have thromboembolisms.⁴⁴

"The Pill is far safer today than it was in the early 1960s—when it had nearly four times the amount of oestrogen and nearly 10 times the amount of progestin as it does now," boasted Dr William C. Andrews, President of the American College of Obstetrics and Gynecology (ACOG). However, back in the dangerous high-dose era, ACOG defended the safety of that Pill with a vengeance.

... pathologists studied the blood vessels of 20 young women who had died while taking oral contraceptives for as little as 5 weeks to 13 months.

Recent clots were found in vessels all over their bodies including the lungs, liver, abdomen and legs ...

Just because these new third-generation pills contain lower doses of oestrogen and progestins, this doesn't mean they are any safer. The problems aren't over yet, and blood clots are still a major concern.

The risk of deep-vein blood clots and pulmonary embolisms (once a leading cause of Pill-associated death) increased at least sevenfold with the early Pill, but, as the oestrogen level was reduced from 150 micrograms, so did the frequency of clots come down. At 50 micrograms, the risk from clots is 'merely' doubled. Today, if a woman takes a Pill with less than 35 micrograms of oestrogen, her risk of clots is only fractionally higher than in the general public.⁴⁵

While 'adverse events' that originate below the waist, namely, deep-vein clots, are coming under control, the same cannot yet be said for above-the-waist arterial complications such as heart attacks and strokes. These remain elevated by about fourfold while a woman is on the Pill. According to studies performed by the Royal College of General Practitioners in England, the risks persisted for up to seven years after the Pill was discontinued. Five per cent of women who stay on the Pill for five years also develop high blood pressure.⁴⁶

The alarming statistics that have come to light regarding the Pill's significant implication in the dangerous and debilitating effects from blood clots, strokes and heart attacks can seem rather impersonal and far removed from real life. The following is a more personal story highlighting the horror of a young girl's needless death.

Caroline Bacon died from a stroke in May 1994, aged 16. Caroline was 14 when a family planning clinic doctor prescribed Fermoden for her. She began to experience headaches and numbness to her right side and hands and to see flashing lights. She lapsed into a coma for some days but when she regained consciousness she could only move her eyes. Caroline was in that state for 11 months until her death.

According to her mother, Caroline "had circulatory problems which the Pill aggravated".⁴⁷ Unfortunately, Caroline's doctor never warned her of the risks associated with taking the Pill.

NUTRITIONAL DEFICIENCIES

Taking the Pill causes inappropriate changes to levels of essential nutrients in the body. In some cases it significantly lowers the levels of important vitamins and minerals, and in other cases it raises them. Altering the availability and use of these vital ingredients results in major imbalances in the body, with potentially serious consequences.

One of the most important minerals for the body is zinc. Zinc is crucial for the growth and division of cells, for brain development and functioning and, indeed, for the normal functioning of every single cell. Unfortunately, zinc levels are radically affected by hormones.

According to Dr Ellen Grant, a medical doctor involved with investigating the harmful effects of synthetic hormones, "Zinc deficiency affects nearly all my patients who have taken hormones, sometimes even including those who are already taking supplements if their absorption is also impaired."⁴⁸

In zinc-deficient states, sperm manufacture, ovulation and sex-hormone production can be impaired, affecting sexual desire and fertility. Taking extra hormones can increase these faults. Both

cell and blood zinc levels are lowered by oestrogen and progestins. The Pill also tends to increase copper levels. It is acknowledged that low zinc and high copper not only cause mental turmoil and, in extreme cases, schizophrenia, but also mood swings and irritability.

In addition to zinc's role in ensuring fertility and hormonal health, it is essential for foetal brain development. Since vitamin and mineral deficiencies can occur in women not only while they are taking the Pill but for a long time afterwards, the healthy development of a growing foetus can be compromised. Zinc sufficiency is especially important in early pregnancy, otherwise the baby may have congenital deformities.

Dr Grant has investigated the link between zinc deficiency and dyslexia. Dyslexia, a specific learning disability, is a major problem affecting at least one in 10 children.⁴⁹ Dyslexics have particular problems with short-term memory and some have difficulty focusing both eyes for reading. Since zinc is crucial for normal brain development and function, and as baby boys need extra zinc during their development to make testosterone, three times more boys are more likely to suffer from dyslexia than girls. Dr Grant found that virtually all the dyslexic children she tested were short in zinc.⁵⁰ Hyperactive children with behaviour problems, as with dyslexic children, are more likely to be boys, have more allergies and be zinc-deficient. A poor zinc status is also related to children's allergic illnesses such as asthma.

For Dr Grant, the reasons for the deterioration are obvious. "In 1971 only nine per cent of single women in England and Wales had taken the Pill but, in 1981, 90 per cent of women had been prescribed oral contraceptives before their first pregnancy. We know that Pill-induced zinc deficiency can last for years, affecting future fertility and future children."⁵¹

Other Pill-induced deficiencies can cause serious birth deformities.

For instance, folic acid deficiencies have been linked to limb defects and Down's syndrome. There is a much higher incidence of stillbirths, miscarriages and birth defects, such as heart abnormalities, occurring in women who have conceived within a month of coming off the Pill.⁵²

While the mini-Pill, or progestin-only Pill, does not suppress ovulation, it causes changes in the lining of the womb and cervical mucus which also interfere with the passage of the egg into the Fallopian tubes, thus increasing the risk of ectopic pregnancy.

The mini-Pill is also prescribed for lactating mothers, but its progestins have been shown not only to find their way into the mothers' milk but also to cause severe depletion of nutrients in the milk. These hormones are known to act on the hypothalamus and may masculinise a female infant and contribute to neonatal jaundice.

The following is a list of the many vitamin and mineral imbalances caused by the Pill:⁵³

- **Vitamin A (Retinol):** Levels in the blood are increased when on the Pill. Whether this means that the body's turnover of vitamin A is higher (requiring a higher level of ingestion) as there is less stored in the liver, or whether in fact there is a greater availability to the tissues is not yet clear. Eyesight changes can result from a deficiency, as this vitamin is needed for the normal, healthy functioning of the eyes. Increased susceptibility to infec-

There is a much higher incidence of stillbirths, miscarriages and birth defects, such as heart abnormalities, occurring in women who have conceived within a month of coming off the Pill.

tions, dry and scaly skin, lack of appetite and vigour, defective teeth and gums and retarded growth are also reported in the case of a deficiency. Vitamin A is also an important anti-oxidant and anti-cancer vitamin, and better taken as beta-carotene, to avoid toxicity.

- **Vitamin B1 (Thiamine):** There is a probability that Pill takers are deficient in this vitamin. Side effects include fatigue, weakness, insomnia, vague aches and pains, weight loss, depression, irritability, lack of initiative, constipation, oversensitivity to noise, loss of appetite and circulatory problems.

- **Vitamin B2 (Riboflavin):** Requirements of the body are raised by use of the Pill, leading to deficiencies. Side effects include gum and mouth infections, dizziness, depression, eye irritation, skin problems and dandruff.

- **Vitamin B6 (Pyridoxine):** Depletion varies from marginal to severe. Side effects include nausea, low stress tolerance, lethargy, anxiety, depression, weakness, nervousness, emotional flare-ups, fatigue, insomnia, mild paranoia, skin eruptions, loss of muscular control, eye problems, herpes infection and oedema (fluid retention). Vitamin B6 is needed to help convert tryptophan to serotonin (a brain compound that affects moods, sleep patterns, psychological drive and sexual desire), to normalise sugar metabolism and to help prevent blood clots forming.

- **Folic Acid:** Levels are reduced when on the Pill. The most severe problem resulting from this is if conception occurs during Pill use, or shortly after going off the Pill when the body is trying to recover from this folic acid deficiency. Since folic acid is required by the body to facilitate cell division (a process that starts immediately after conception), there is a much higher risk of birth defects, including neural tube defects, spina bifida, deformed limbs and mongolism, if this nutrient is deficient. Deficiencies can also lead to anaemia.

- **Vitamin B12 (Cobalamine):** Levels in the blood are lowered in Pill users, especially vegetarians. Resulting effects include anaemia, sore tongue, weight loss and depression.

- **Vitamin C (Ascorbic Acid):** Levels are reduced on the Pill by up to 30 per cent, and this is worsened by smoking, stress, high pollution levels, infections and some medications. The effectiveness of vitamin C supplementation can also be reduced, which can result in bleeding gums, bruising, eye problems, loss of appetite,

muscular weakness, anaemia, fatigue and lowered immune response. This vitamin is also necessary for the production of the sex hormones in the body—something your body has to start doing for itself when you come off the Pill. A deficiency in vitamin C can make it even harder for the body to resume normal hormone production.

- **Vitamin E (Alpha Tocopherol):** Oestrogens in the Pill increase the body's need for vitamin E, though this vitamin does help normalise oestrogen levels. Effects of a vitamin E deficiency include anaemia, muscle degeneration, subsequent low fertility, changes in the menstrual cycle, and hot flushes. It is also needed to help offset the possible carcinogenic effect of the oestrogen, as is selenium, which plays a part in vitamin E absorption, though its levels are decreased by the Pill.

- **Vitamin K (Menadione):** The Pill causes increased levels of vitamin K, which may lead to blood clot formations.

- **Copper:** Absorption is increased, raising the body's need for vitamin C, disrupting the zinc/copper balance and leading to insomnia, depression, migraine, hair loss and the possibility of high blood pressure and clotting tendencies.

- **Zinc:** Levels are significantly lowered by the Pill. This can lead to diabetes, poor resistance to infection, skin infections, lowered fertility and other problems. This mineral is crucial for normal growth, cell division and tissue repair. It is very important during pregnancy as it is present in over 200 enzyme systems in the body and is crucial for the development of brain function and a competent immune system—another reason to avoid conceiving while on, or soon after ceasing to use, the Pill. Long-term Pill users can find it difficult to build back their zinc status to an adequate level.

- **Prostaglandins:** Levels of certain prostaglandins are lower on the Pill. These are normally made from essential fatty acids, using zinc as a catalyst, and decrease tendencies to clot formations.

- **Blood Lipids:** Low-density lipids, cholesterol and triglyceride levels are increased when on the Pill, raising the risk of heart disease.

- **Serum Proteins:** These are altered by use of the Pill.

It is most important to stop taking the Pill and replenish nutrients for three to six months before attempting to conceive. It is also recommended that each woman consult with a qualified natural practitioner to assess her specific nutritional needs, whether she is presently on the Pill or has come off it.

INFERTILITY

Infertility is a cause of growing concern around the world. In Australia, one out of 10 couples is unable to conceive, and in England the statistic is one in six. There are presently 10 million infertile Americans. There is no doubt that the Pill is a major contributing factor to infertility.

In *The Couples' Guide to Infertility* (1995 revised edition), Dr Gary S. Berger and his associates reported that, "Long-term Pill users may not menstruate or ovulate after they stop using the Pill. This condition, known as post-Pill amenorrhoea, occurs because the Pill disrupts the natural rhythmic flow of hormones from the hypothalamus to the pituitary to the ovaries. This may pose a special problem for older women who have been on the Pill for many years because their ovaries may have become resistant to resuming ovulation."

What is even more alarming for women is that a return to ovulation when the Pill is stopped does not mean a return to fertility. The Pill can damage the glands that produce the kind of cervical mucus that is necessary for fertilisation. There may also be an



overstimulation of the specific cervical mucus which impedes sperm motility. These two interlinked actions of the Pill on mucus production can cause serious delay if not cessation of pre-Pill fertility.⁵⁴

In the majority of women, impairment of fertility usually diminishes with time but "may be evident up to 30 months after cessation of the Pill in women who have not previously had children."⁵⁵ Post-Pill fertility may be abetted by natural medicines to detoxify the system and stimulate normal functioning.

SEXUALLY TRANSMITTED DISEASES AND THE PILL

Sexually transmitted diseases have grown so prevalent that in 1991 the US Centers for Disease Control issued a startling new recommendation: "Use barrier methods. Use condoms, diaphragms and/or vaginal spermicides even if contraception is not needed."⁵⁶

It was not only the fear of AIDS that prompted this advisory warning, but a galloping increase in infections such as chlamydia which can cause pelvic inflammatory disease (PID) and infertility. The CDC estimates that one million American women experience PID each year, 50 per cent become sterile after three episodes and 12 per cent after just one.

The sexual freedom that the Pill initiated is also responsible for the present epidemic of STDs. On the one hand, the Pill increases the stickiness of cervical mucus which may slow the ascent of diseases into the uterus, Fallopian tubes and ovaries. On the other hand, the Pill increases the risk of infectious conditions such as chlamydia. Chlamydia is a microscopic organism that is not a bacterium, virus or fungus. It can cause non-gonococcal urethritis, a chlamydia infection passed on through intercourse, with symptoms of painful urination and a watery discharge that can lead to PID and infertility.

UNPUBLISHED SIDE-EFFECTS OF THE PILL

Even though the Pill has been in existence for 37 years, new and serious side-effects are still being uncovered. The *American Journal of Epidemiology* recently reported that Pill users have increased risk of two painful types of inflammatory bowel disease: ulcerative colitis, which is dose-dependent on products high in oestrogen, and Crohn's disease, which is twice as common as it was 30 years ago before the Pill came into widespread use. The connection between the Pill and inflammatory bowel disease has not been widely circulated or widely publicised in either the lay or the medical press.⁵⁷

Another problem with the Pill is the effect from the interaction with other medications. A partial list of drugs that have been implicated in blocking the contraceptive action of the Pill includes: antihistamines, barbiturates, penicillin, antidepressants, minor tranquilisers, adrenocorticosteroid hormones (such as prednisone) and anticoagulants (Coumadin). The effects of either the Pill or the other medication may be increased, decreased or simply altered by the interaction between the two. If you take the Pill along with any of the above drugs, you are engaging in speculative experimentation.⁵⁸

CONSCIOUSNESS AND THE PILL

There are women today who take birth control pills from puberty to menopause, at which time they start on hormone replacement therapy—the same steroid drugs, just in different dosages and packaging. The complex physiological processes of women's reproductive and post-reproductive lives have literally come to be controlled and determined by powerful foreign chemicals. What happens when millions of women's bodies, instead of being in tune with the tides and responsive to their natural inner realities, are conforming to a schedule dictated by the products of pharmaceutical companies?

In her outstanding book, *Women's Bodies, Women's Wisdom*,⁵⁹ Dr Christiane Northrup tells of a colleague of hers, an obstetrician/gynaecologist named Laurie, who for nine years chose the Pill as her preferred form of birth control and recommended it to all her patients as well. However, when a personal crisis around her sexuality occurred, Laurie realised that the Pill had actually separated her from the messages of her body and her inner self.

"I felt sadness," Laurie said, "that I had taken for granted, drugged away or labelled as a 'curse' all the wondrous workings of my brain, my hormones, my uterus and my ovaries. No one ever celebrated my first period. No one had helped me to connect the power of giving birth to my sexuality. I longed to recapture some of the lost magic and mystery."

When Laurie decided to go off the Pill, she said it was "something of an act of celebration and rebellion... I threw away the last dial-pack and waited. I was pretty sure that after nine years of instruction from Ortho Pharmaceutical, my ovaries would be totally confused, so I was willing to be patient. I was prepared for swelling, irritability, wild emotions and confusion. I was not prepared for what happened."

Two weeks after taking her last Pill, Laurie was talking with a group of women about her feelings. "Suddenly, I was in tears and could hardly speak. I remember thinking, 'Now isn't this strange?'" Then it hit her. For years she had felt sadness about certain aspects of her life and she had even told others about these feelings. But she had always

done so while she was on the Pill without any emotional or physiological reaction whatsoever. Now, for the first time in nine years, she was actually ovulating. By returning to her natural rhythms she experienced a profoundly enhanced ability to feel and express her deepest emotions.

She found, in fact, that all her feelings were now more available to her, including her anger and her sexuality. "This body that I had abused for so long and in so many ways was suddenly talking to me again, giving me encouragement and reassurance. All was not lost."

When Laurie found that birth control pills had impeded her access to the depth of her feelings and intuition, she wondered if they had also disrupted her sexual communication with her husband. This could well have been so. There is significant evidence that birth control pills reduce hormones that are vital to the way women communicate sexually with men. Certain volatile fatty acids, known copulins, are secreted in the vagina and stimulate

There are women today who take birth control pills from puberty to menopause, at which time they start on hormone replacement therapy—the same steroid drugs, just in different dosages and packaging.

male sexual interest and behaviour. Women who take birth control pills, however, do not secrete copulins.⁶⁰

The great cycles and rhythms of Nature are among the most fundamental realities of physical life. A woman's body and psyche are intimately woven into the eternal cycles of Life. We are just beginning to realise the price we have paid for being part of a culture where fast food, fast cures and fast sex predominate. Certainly the long-term effects of the Pill, in whatever form it comes, are still to be fully determined—not to mention the effects the Pill may have on future generations. Is this form of contraception worth the price that women must pay in terms of their physical, emotional and mental health?

As women move into a greater acceptance and expression of their innate power, so too must they regain authority over their reproductive cycles.

ALTERNATIVES TO THE PILL

Most women will ask, "Well, just what are the natural alternatives to the Pill?"

The answer to that question requires a woman to make a deeper commitment to the understanding of the workings of her body and her natural cycles. It's about learning the various indications of fertile and non-fertile times. Owning one's fertility means to have an intimate relationship with one's own body. It requires taking responsibility for sexual intercourse. It also requires the ability to communicate with an understanding and receptive partner.

It is certainly a totally different approach from the way most women address the issue of contraception and, for that matter, sexual relationships. As women move into a greater acceptance and expression of their innate power, so too must they regain authority over their reproductive cycles.

An excellent way for women to regain knowledge of natural fertility techniques is through such books as *Natural Fertility* by Francesca Naish. By learning all the signs that indicate fertile times, such as basal temperature, lunar cycles, mucus indicators, etc., a woman is ensured of up to a 98.5 per cent safe way to prevent conception. Barrier methods such as diaphragms, condoms and spermicides (with low-level chemical toxicity) are other alternative forms of contraceptives that are highly effective as well as providing protection from sexually transmitted diseases.

It is becoming evident that the Pill no longer serves the empowerment of women. The Pill has extracted a great price from women and continues to do so. It sounds a death knell—if not the death of a woman's body, then surely the death of her spirit. It seriously compromises her health and her life.

It is only by once again embracing the wisdom of Nature—natural medicines, natural foods and natural rhythms—that women will find their wholeness and, ultimately, themselves.

Successful and healthy contraception and conception are a part of a woman's initiation into her own mystery which has been denied to her for far too long. A vibrant, healthy, intuitive woman is an unstoppable force for positive change on this planet. ∞

Note on Natural and Non-Toxic Fertility Management

The Jocelyn Centre in Sydney, NSW, provides programs focusing on natural choices in conscious conception, contraception, and overcoming fertility problems. The Centre provides personal consultations, mail order services, and professional training for health professionals in Natural Fertility Management techniques.

In addition, the Centre has put together a comprehensive Natural Fertility Management kit comprising Francesca Naish's book, *Natural Fertility*, an audiotape and manual, sympto-thermal charts, basal thermometer, a lunar chart and more, to inform women on how to achieve or avoid conception. For further information about their services, training and products, contact: The Jocelyn Centre, 1/46 Grosvenor Street, Woollahra, NSW 2025, Australia, telephone +61 (0)2 9369 2047, or fax +61 (0)2 9369 5179.

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In September 1997, Sherrill will be giving a series of lectures in Queensland and South Australia. For more information, contact Light Unlimited Productions (see details on first page of this article).

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— IBOGAINE —

Nature's Cure for Addiction

A treatment using ibogaine, a plant-derived alkaloid, has a such a high success rate in overcoming drug and alcohol dependence that it should be more widely available.

Compiled and Edited from various sources, including Howard S. Lotsof's Ibogaine internet web site: www.ibogaine.org/index.html

A plant-derived alkaloid, known as ibogamine, or, more commonly, ibogaine, has been shown to interrupt the vicious cycle of drug dependence, and has proven particularly effective in combatting addictions to opiate narcotics, such as heroin, as well as to cocaine, other stimulants and even alcohol. It has enormous promise in a treatment that can overcome both the physiological and the psychological problems of addiction, for not only does it speed up the withdrawal process but it also helps addicts identify the root cause of their addictions and regain control of their lives.

Ibogaine is primarily derived from the tropical plant *Tabernanthe iboga* which is native to equatorial western Africa, but it has also been isolated from the *Tabernanthe manii*, *Ervatamia yunnanensis* and *Ervatamia orientalis* shrubs, all being members of the Apocynaceae family. Analysis of the leaves of *Ervatamia orientalis*, which grows mainly in the coastal monsoonal vine thickets north of Gordon Vale in far north Queensland, Australia, shows significant levels of ibogaine and an overall alkaloid profile that mirrors the tabernanthe plant, *Tabernanthe iboga*.

Tabernanthe is a plant traditionally used by tribes in the Congo and the Gabon regions of western Africa where it is valued for its variety of medicinal properties, as well as its inebriating, aphrodisiacal and hallucinogenic effects when taken in high doses for ceremonial purposes. Bwiti tribesmen would chew the tabernanthe root on their long hunting trips to reduce their fatigue levels and need for sleep. The Mitsogho Bwiti and Fang Bwiti tribes in the Gabon reportedly use the plant in their initiation rituals for both sexes. Ceremonial preparation would require higher-dose intake by prolonged chewing of tabernanthe leaves and root bark. The resultant experiential phases have been compared with the stages observed in a study of 150 people who reported a so-called "near-death experience" (NDE) while temporarily clinically dead.

The tabernanthe root was first taken out of Gabon in 1864 but was not described by the Museum of Natural History in Paris until 1889. A crystallised alkaloid was first isolated from the root by Dybowsky and Landrin in 1901 and named ibogaine. Several studies were undertaken by French pharmacologists in 1901-05, establishing ibogaine's clinical efficacy as a cardiac stimulant and as a treatment for neurasthenia and asthenia. However, it was not until 1939 that serious study was resumed into this alkaloid's pharmacodynamic and therapeutic potential. And because of its hallucinogenic properties, the tabernanthe root managed to find its way into modern-day drug culture in the 1960s, and was eventually classified as an hallucinogenic substance in 1972.

In 1962, a former heroin addict named Howard Lotsof took ibogaine in his search for a new way to get high. After a 36-hour hallucinogenic experience, he no longer craved heroin. Most remarkably, he did not experience any of the severe withdrawal symptoms that are normally associated with heroin. Lotsof shared the ibogaine with six other addicts, five of whom lost their desire for heroin. These amazing results prompted Lotsof to conduct further research into ibogaine's effects. From the mid-'80s to early '90s, Lotsof secured several patents on the use of ibogaine for treating drug and alcohol addiction.

Although about 40 addicts have been treated in the Netherlands since 1990 in controlled trials, ibogaine has not yet been approved by the US Food & Drug Administration (FDA) for use in the United States, where it is illegal.

MEDICAL TREATMENT OF CHEMICAL DRUG DEPENDENCE

Ibogaine is not a substitute for narcotics or stimulants; it is not addictive, and it is given in a single administration modality (SAM). It is a chemical dependence interrupter. Re-treatment may occasionally be needed until the person being treated with ibogaine is able

to extinguish certain conditioned responses related to the drugs they abuse.

Early data suggest that, for many patients, a period of approximately two years of intermittent treatments may be required to attain the goal of long-term abstinence from narcotics and stimulants. The majority of patients treated with ibogaine remain free from chemical dependence for a period of three to six months after a single dose. Approximately 10 per cent of patients treated with ibogaine remain free of chemical dependence for two or more years from a single treatment, and an equal percentage return to drug use within two weeks after treatment. Multiple administrations of ibogaine over a period of time are generally more effective in extending periods of abstinence.

Ibogaine was first reported to be effective in interrupting opiate narcotic dependence disorders in US Patent No. 4,499,096 (Lotsof, 1985), cocaine dependence disorders in US Patent No. 4,587,243 (Lotsof, 1986), and poly-drug dependence disorders in US Patent No. 5,124,994 (Lotsof, 1992).

The initial studies demonstrating ibogaine's effects on cocaine and heroin dependence were accomplished in a series of focus group experiments by Howard S. Lotsof in 1962 and 1963.

Additional data on the clinical aspects of ibogaine in the treatment of chemical dependence were reported by Kaplan (1993), Sisko (1993), Sanchez-Ramos and Mash (1994), and Sheppard (1994).

Prior to ibogaine's evaluation for the interruption of various chemical dependencies, its use was reported in psychotherapy by Naranjo (1969, 1973), and at the First International Ibogaine Conference held in Paris (Zeff, 1987).

The use of ibogaine-containing plants has been reported for centuries in western Africa in both religious practice and in traditional medicine (Fernandez, 1982; Gollnhofer and Sillans, 1983, 1985).

An overview of the history of ibogaine research and use was published by Goutarel et al. (1993).

Claims of efficacy in treating dependencies to opiates, cocaine and alcohol in human subjects were supported in preclinical studies by researchers in the United States, the Netherlands and Canada. Dzoljic et al. (1988) were the first researchers to publish ibogaine's ability to attenuate narcotic withdrawal. Stanley D. Glick et al. (1992) at Albany Medical College published original research and a review of the field concerning the attenuation of narcotic withdrawal. Maisonneuve et al. (1991) determined the pharmacological interactions between ibogaine and morphine, and Glick et al. (1992) reported ibogaine's ability to reduce or interrupt morphine self-administration in the rat. Woods et al. (1990) found that ibogaine did not act as an opiate, and Aceto et al. (1991) established that ibogaine did not precipitate withdrawal signs or cause dependence.

Cappendijk and Dzoljic (1993) published ibogaine's effect in reducing cocaine self-administration in the rat. Broderick et al. (1992) first published ibogaine's ability to reverse cocaine-induced dopamine increases and, later, reported on ibogaine's

reduction of cocaine-induced motor activity and other effects (1994). Research by Broderick et al. supported the findings of Sershen et al. (1992), that ibogaine reduced cocaine-induced motor stimulation in the mouse. Sershen (1993) also demonstrated that ibogaine reduced the consumption of cocaine in mice.

Glick (1992) and Cappendijk (1993) discovered in the animal model that multiple administrations of ibogaine over time were more effective than a single dose in interrupting or attenuating the self-administration of morphine and cocaine, supporting Lotsof's findings in human subjects (1985).

Popik et al. (1994) determined ibogaine to be a competitive inhibitor of MK-801 binding to the NMDA receptor complex. MK-801 has been shown to attenuate tolerance to opiates (Trujillo and Akil, 1991) and also to alcohol (Khanna et al., 1993). MK-801 has also shown a blockade of "reverse tolerance" of stimulants (Karler et al., 1989).

Ibogaine's effects on dopamine (a substance hypothesised to be responsible for reinforcing pleasurable effects of drugs of abuse) and the dopamine system were found by Maisonneuve et al. (1991), Broderick et al. (1992) and Sershen et al. (1992). Ibogaine binding to the kappa opiate receptor was reported by Deecher et al. (1992).

Thus, a broad spectrum of mechanisms is evident by which ibogaine may moderate the use of substances as diverse as opiate narcotics, stimulants and alcohol.

PROGRESSION OF EFFECTS

Ibogaine's actions are understood to progress in three stages:

(1) A four-to-six-hour period emulating dreaming, in which intense sounds, lights, visual presentations and life-review thoughts or processes are experienced.

(2) A cognitive or intellectual period in which those experiences of the first phase are subjected to a high-energy evaluation process, then integrated into a new ego

structure.

(3) A period of residual stimulation, eventually resulting in sleep. Lotsof describes this final phase as comprising three-to-four-hour sleep periods over a 24-to-40-hour duration. The subject rises from this in great form and with a new self-confidence.

By way of comparison, in a study of 150 people "rescued from death", American cardiologist Michael Sabom noted the following general progression as being typical of the near-death experience:

(1) Autoscopic phase: subjective feeling of being dead; peace and well-being; disembodiment; visions of material objects and events;

(2) Transcendental phase: tunnel or dark zone; evaluation of past life; light; access to a transcendental world/entering the light; encounters with other beings; return to life.

Interestingly, many of these individuals underwent a spectacular transformation during their NDEs. Many who reported seeing their whole lives flash before their eyes no longer feared death;



The *Tabernanthe iboga* plant, source of ibogaine.

they felt stronger, more optimistic and calm, and were able to contemplate life more positively.

With ibogaine treatment, it is after the patient awakens that the effects are principally noticed, for the majority of patients no longer desire to seek or use the drugs they were abusing. However, it should be noted that the response to ibogaine is very individual, just as the patient has individual characteristics.

According to Lotsof, patients report a reduced need for sleep for a period of up to four months, sometimes for up to six months, after receiving the ibogaine treatment.

A young Dutch woman has written this about her experiences with ibogaine treatment:

"I lost interest in drugs in general because the effect of ibogaine goes far beyond their effect, though not necessarily in a pleasant way. Up until four months after the treatment I kept experiencing colours and light very intensely.

"Ibogaine was a mental process for me, a form of spiritual purification and a truth serum in which I had to experience its results through time. It's only now, after six months, that I can say I'm not addicted any more. It takes time to admit that there is no way back. Ibogaine is not a solution in itself, although it takes away withdrawal completely."

Ibogaine provides the means for overcoming addiction, but the subject must have the desire to change. Ibogaine helps the individual realise that all knowledge is available to cure him/herself, if that is truly what is desired.

CLINICAL PROTOCOLS

The effects of ibogaine treatment are viewed in three categories: acute, intermediate and long-term. The acute and intermediate effects have sometimes been referred to as the effects and after-effects. The two major effects of ibogaine are: (1) the ability to interrupt narcotic and stimulant withdrawal, and (2) the attenuation or elimination of the craving to continue to seek and use opiates, stimulants and alcohol (Lotsof, 1985, 1986, 1989).

Knowledge concerning the use of ibogaine in treating alcohol dependence is limited to: (1) a single-alcohol-only dependent patient, and (2) the attenuation and, in some cases, cessation of alcohol use in persons treated for poly-drug-dependence disorders.

Ibogaine's ability to treat nicotine dependence (Lotsof, 1991) has been seen in poly-drug-dependent subjects treated primarily for opiate and/or cocaine use.

Some general considerations should be noted regarding treatment protocols. The treatment team has four primary obligations:

(1) to earn the trust of the patient; (2) to maintain the comfort of the patient; (3) to assist the patient in interrupting his/her chemical dependence; and (4) to supply the psychosocial support network needed by the majority of patients to enable them to develop a sense of personal accomplishment and the ability to function as productive members of society. This is a process the Dutch treatment community refers to as "normalisation".

In the Lotsof Procedure™ (for which a manual is now being prepared), the sense of conflict seen in most treatment modalities

between the doctor and patient over the immediate ceasing of drug use does not exist. If narcotic-dependent, the patient is allowed to continue the use of narcotics until a certain time prior to treatment with ibogaine. There is no conflict over opiate use before treatment because, as Lotsof maintains, ibogaine will either work to interrupt chemical dependence or it will not. In the procedure, any patient dependent on stimulants is not maintained on stimulants, and this practice has not created problems for patients or medical staff.

Before the Lotsof Procedure was conducted in hospitals under experimental trial conditions, addicted patients were allowed to use their personal supply of narcotics until the evening before ibogaine treatment. However, during hospital-administered ibogaine sessions, the narcotic-dependent patient is maintained on medications prescribed by the principal investigator during the three-to-five-day intake process preceding their treatment with ibogaine.

Even under these circumstances, patients' distrust of the medical establishment and their extreme fear of going into withdrawal has resulted in narcotics being smuggled into hospital environments.

As a protective mechanism, all patients scheduled for ibogaine treatment in a hospital must undergo a thorough physical examination upon admission and allow all their possessions to be searched. This serves two important functions. Firstly, it limits the possibility of accidental overdose from secreted narcotics, stimulants or other drugs. Secondly, it allows a more comprehensive understanding of the patient's physical health, since many of the people seeking treatment for chemical dependence have often masked numerous health problems for years or even decades by self-medicating with illicit, addictive drugs.

ACUTE EFFECTS REGIMEN

The acute effects of ibogaine are dramatic. The initial reaction in the patient is usually noted within 45 minutes after intake of the oral dose, and full effects are generally evident within 2 to 2½ hours. The earliest subjective indication by the patient of ibogaine's effects is the report of a pervasive oscillating sound. The patient tends to lie down, and if asked, to stand or walk, shows signs of ataxia.

The protocol for the Lotsof Procedure stipulates that the patient remain in bed with as little movement as possible from the time of ibogaine administration, as nausea associated with ibogaine use has been proven to be motion-related or, in later stages (those longer than four hours after administration), possibly a psychosomatic reaction to previously repressed traumatic experiences.

In addition to keeping the patient as still as possible, the protocol suggests use of a non-phenothiazine anti-nauseant, as phenothiazines may interfere with the psychoactive properties of ibogaine. If the patient vomits in less than 2½ hours after the administration of ibogaine, an examination of the regurgitated material should be made to determine how much ibogaine may have already been absorbed by the patient. A rectal infusion of ibogaine to supplement the lost portion of the dose may be provided if it is not possible for this dose to be administered orally, but only if the patient has previously consented to this mode of dosing.

**The use of
ibogaine-containing
plants has been
reported for
centuries in
western Africa in
both religious
practice and in
traditional
medicine.**

AUTONOMIC RESPONSES

During the first through the fifth hour of ibogaine treatment there is a moderate rise in the patient's blood pressure of 10 to 15 per cent and, in some cases, an associated decline in the pulse rate. The most significant autonomic changes occur between 1½ and 2½ hours after administration of therapeutic doses of ibogaine.

In many cases, the patient's pulse rate is elevated due to anxiety prior to the administration of ibogaine.

THE VISUALISATION PHASE

One of ibogaine's principal effects during its first phase of action is to produce a state which emulates dreaming, although the subject is fully awake and has the ability to respond to the treatment staff's questions.

In most cases, people under the influence of a therapeutic dose of ibogaine do not wish to speak. They prefer instead to pay close attention to the visual presentation of memories or phenomena they are experiencing—visuals that have been noted to have both Freudian and Jungian connotations.

The experiencing of visual material is rapid. Some patients have described it as a movie run at high speed; others as a slide show, each slide containing a motion picture of a specific event or circumstance in the viewer's life. In either case, the presentation of visual material is so compressed and fast-moving that distraction of the patient for even a moment may interfere with the process of abstraction. Therefore, medical staff intrusion should be kept to a minimum during the ibogaine treatment's primary phase.

COGNITIVE EVALUATION

Following the visualisation stage, the second phase of ibogaine's action during the Lotsof Procedure is one of the patient's intellectual evaluation of previous experiences and decisions. This occurs after the visualisation phase, which generally ends

abruptly after a three-to-five-hour period. However, individual reactions and variations are the norm and not the exception within the parameters of the procedure.

As for the patient's own process of evaluation, when the patient made various decisions in the past, those decisions appeared to be the only options available at the time. However, with ibogaine's effect of allowing the re-evaluation of life, actions and behaviour, the patient can come to understand that alternatives to those original decisions were in fact available at the time. This knowledge appears to enable the patient to modify his/her current behaviour and cease dependence on drugs.

BEHAVIOURAL IMMOBILITY DURING TREATMENT

During the periods of visualisation, and extending into the stage of cognitive evaluation, patients will demonstrate a state of behavioural immobility (Depoortere, 1987) during which brainwave

patterns associated with dreaming and sleep, but distinct from those states, are represented by rhythmic, slow activity of 4-6 Hz. These EEG patterns are associated with a state characterised by a lack of movement.

Some early observers of the Lotsof Procedure (Kaplan, 1990) initially believed that the condition represented paralysis, but when patients were asked to stand and move around, the patients were able to do so, albeit with some degree of difficulty.

INTERRUPTION OF CRAVING

The acute interruption of the craving to seek and use drugs of abuse is unique to the Lotsof Procedure as a treatment modality for chemical dependence disorders. This effect is generally not noticed by the patient until ibogaine's principal actions (visualisation, cognitive evaluation, behavioural immobility and significant residual stimulation) are no longer evident and the patient has had the opportunity to sleep.

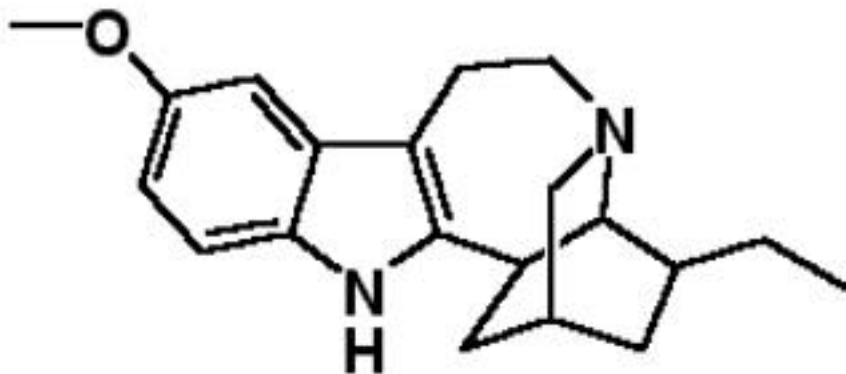
The initial recognition of lack of craving is usually noticed 48 to 72 hours after ibogaine administration. In a minority of treat-

ments, recovery and absence of craving may be evident to the person being treated in as little as 24 hours. Medical staff, on the other hand, usually notes the absence of craving in the patient in 45 minutes to 1½ hours after ibogaine administration.

According to NDA International (the medical development company set up by Howard Lotsof to supervise experimental therapy according to the Lotsof Procedure), its experience gained in recent years with the treatment of 20 persons outside the US has shown that the majority of patients may need a series of treatments before they can extinguish their conditioned responses (cravings) to a long history of chemical dependence. However, three of these patients only required a single treatment to interrupt their chemical dependence for a minimum of two years.

One advantage of ibogaine is that it allows the patient time-periods free of craving. It is during those times that the

The acute interruption of the craving to seek and use drugs of abuse is unique to the Lotsof Procedure as a treatment modality for chemical dependence disorders.



Molecular structure of ibogaine

psychiatrist, social worker, therapist, paraclinician and the patient often bond into a cohesive working group to accomplish a state of long-term non-dependence to the drug(s) of abuse for which the patient is under treatment.

REDUCTION IN THE NEED FOR SLEEP

In all cases, ibogaine reduces the patient's need for sleep to as little as three or four hours a night. This effect may last a month or more, gradually returning to normal.

Two theories have been put forth concerning this effect. The first theory suggests the long-lasting bioavailability of ibogaine or one of its metabolites. This is in keeping with pharmacokinetic studies conducted at the University of Miami (Mash, 1995). The second theory suggests that the cause is the decrease in the psychological requirements for sleep associated with the need to dream. Evidence supporting this theory is that ibogaine promotes an intense emulation of dreaming that lasts for many hours during its acute stage of activity.

The reduction in the need for sleep is viewed by the majority of patients as a discomfort, since they have been used to using drugs and sleep as escape mechanisms. These patients may require some mild form of sedation during the first days after ibogaine treatment.

Normal precautions should be taken in providing sedatives to persons with a history of chemical dependence. In a minority of cases, patients have used this newly available time to advantage in their busy work schedules.

PSYCHOSOCIAL SUPPORT

All aspects of treatment for chemical dependence disorders common to other treatment modalities are common to ibogaine treatment.

The patient's characteristics in terms of psychopathology, behaviour, societal accomplishments, as well as the skills of the treatment team are significant to treatment outcomes.

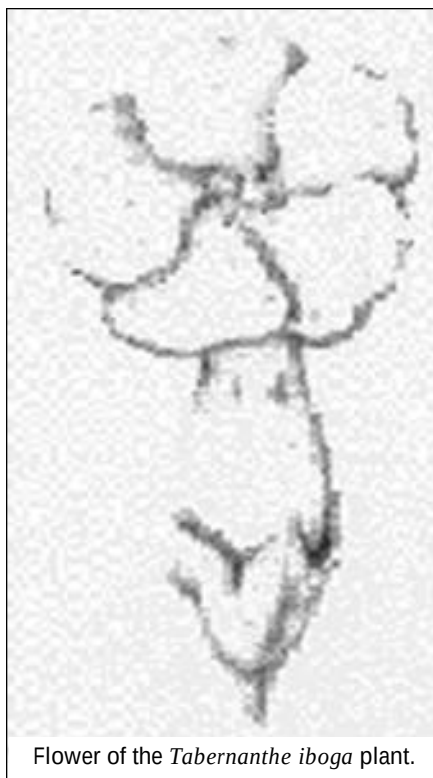
In cases where the patient already has the occupational and educational skills needed to succeed in society, the task may be somewhat easier.

In cases where the patient does not have those societal skills, or lacks medical care for disorders other than chemical dependence, care and training must be provided through psychosocial support structures.

Trauma suffered by the patient during childhood appears to play an important part in the drive for love and the fear of abandonment that is common to many of the patients treated (Bastiaans, 1991).

Many of the accepted parameters of distance between the therapist and the patient are not effective in ibogaine treatment. Patients will require closer and more intensive guidance, and generally be more open to it. They will require faster intervention to learn societal skills and to overcome and understand objectively the various traumas experienced during their lives.

Ibogaine is therefore not a treatment modality for clinicians whose preference is simply to administer a pill and then distance themselves from their patients.



Flower of the *Tabernanthe iboga* plant.

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Continued overleaf ...

FEMALE PATIENT SAFETY

One 24-year-old female patient, treated for chemical dependence in ibogaine trials in the Netherlands, died from undiagnosed causes. Although the autopsy did not determine the cause of her death, ibogaine levels of 0.75mg/litre were recorded in the blood. This level has not been seen to be toxic in animal research or in prior human studies undertaken by NDA International.

Subsequent to this death (and to a previously reported death of a Swiss woman who received ibogaine during a psychotherapy session in Europe which was totally unrelated to NDA's research program) the FDA excluded women from the clinical trials presently taking place at the University of Miami.

However, the FDA decision is contrary to the gender guidelines of the National Institutes of Health. The NIH guidelines call for the inclusion of women at the earliest stages of clinical trials, in order to provide the greatest determination of safety for women.

NDA International reports that 30 per cent of its patients have been women and they have shown no negative effects from taking ibogaine either during or after treatment. However, considering all of the circumstances, the Lotsof Procedure should be administered only in a hospital or clinic with the patient under continuous staff observation and electronic monitoring.

An ongoing international research program is collating evidence to determine an hypothesis for the cause of death of the woman in the Netherlands. Additionally, NDA International is seeking Swiss Government cooperation concerning the death of the Swiss woman.

IBOGAINE TREATMENT LOGISTICS

NDA International, Inc. has received many requests for information concerning ibogaine treatment for drug dependence.

Currently, the only treatments authorised by a health ministry are administered in hospitals in Central America as part of an experimental program.

Due to the significant expense of hospitalisation and the logistics involved with this program, the base cost per person can be US\$15,500 for participation in treatment within a group of three.

The cost of an individually scheduled treatment is significantly higher. These charges do not include the preliminary medical evaluations, or transportation to and costs in New York for required pre-treatment and post-treatment medical screening.

Start campaigning to make Ibogaine available in Australia now! Contact your local politician and health-care practitioner and help get loved ones off drugs of dependency!

If you require further information on referral for ibogaine treatment, write to:

Intake Department
NDA International, Inc.
PO Box 100506
Staten Island, NY 10310-0506
USA

Your letter should provide statements including the following:

1. You are seeking treatment with ibogaine.
2. You understand that ibogaine is an experimental therapy and has not been approved by the US Food and Drug Administration (FDA). If you reside in a country other than the United States, state that you understand that ibogaine is an experimental therapy and not approved by the health department of the country where you reside.
3. Include a brief history of your current and previous drug use.
4. List any medical conditions you are aware of, and any medications you are taking or have taken during the last 12 months (including, but not limited to, anti-psychotics, anti-depressants, cardiovascular drugs, anti-hypertensives and anti-convulsants).
5. Print and sign your complete name and provide your mailing address, telephone number and e-mail address.

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The True Adventures of a Psychic Spy

**Former military
intelligence
remote viewer
David Morehouse
shares his insights
into accessing
multi-dimensional
reality, and
reveals disturbing
details on the
downing of TWA
Flight 800.**

Part 1

by Uri Dowbenko ©1997

**An Interview with
David Morehouse**

Remote Viewing Technologies
64 Whitman Street, Suite 1A
Carteret, NJ 07008k USA
E-mail: remviewtec@aol.com

INSIDE THE US MILITARY'S 'MIND WARS' PROGRAMS

In a top-secret hidden location on a US Army base, men and women working for the CIA prepare to "fall" into the fourth dimension. It's an all-grey room—walls, carpet, furniture, everything. Baroque music plays while they recline, relaxing, preparing to enter an altered state of consciousness.

What they're about to do is access the time-space continuum in a technique known as "remote viewing". When the brain registers the theta-wave state on the monitoring equipment, they are ready to "jump into the ether", in the words of David Morehouse, author of *Psychic Warrior: Inside the CIA's Stargate Program* [see review, NEXUS 4/02].

Science fiction? Not at all. This is advanced technology pioneered by esteemed scientists, laser physicists like Dr Targ and Dr Puthoff, at the Stanford Research Institute in the 1970s.

More recently, the program was developed by the US Government's Central Intelligence Agency (CIA) and the Pentagon's Defense Intelligence Agency (DIA). This top-secret psychic warfare program was called Project *Scangate*, then Operation *Sun Streak*, then Operation *Stargate*. Morehouse's controllers euphemistically described it as an "intelligence collection method".

Bypassing internal bureaucratic and congressional oversight, they were called "Special Access Programs" or "SAPs"—a cellular approach to organisation, compartmentalising all activities which might put the Pentagon in a bad light as well as providing a rationale for "plausible denial".

MAPPING THE TIME-SPACE CONTINUUM

The ability to access the "heaven" worlds and other dimensions has been the gift of David Morehouse's life. Likewise, it has been his bane or curse. Why? Because he also has the ability to access what could accurately be called "hell": a netherworld containing the most sordid episodes in the history of mankind.

For example, as a training exercise, Morehouse was sent back to the Dachau death camps of Nazi Germany in the 1940s. Imagine what that was like. Morehouse had to live with the vivid memories and sense impressions of his experience for months thereafter.

So how does remote viewing work? How do you tap into the unconscious mind, the time-space continuum?

According to David Morehouse, remote viewing is a description of "...travel going from the physical dimension to the target, wherever it is in time and space. If you're moving backward in time, if you're travelling through the ether, you're actually tying into the unconscious mind, so you're going backwards or forwards. I have always referred to it as the time-space continuum, essentially part of, or one and the same as, the ether."

So is the ether the medium upon which you travel?

"No. It's a misnomer," continues Morehouse. "You're not really travelling. It's like folding space. You are travelling, but you're not moving. Does that make sense?"

Well, not really. Something is going somewhere, you would think.

Morehouse again tries to explain. "If you have access to the unconscious mind, you have free range of the time-space continuum. It is tied into all humanity, or the whole universe, or perhaps other universes and other dimensions. At the same time, it has an individual aspect in that it is willing and wanting a connection with the conscious mind."

One of the biggest problems in communicating this experience seems to be the relative

inadequacy of language. In other words, how do you express 4D concepts, experiences and phenomena in 3D language? Obviously, a new nomenclature is needed which can represent a reality that is beyond the box of ordinary three-dimensional consensus reality.

So, then, what is the difference between an "altered" state and a so-called "normal" state?

"We're conversing in beta state," says Morehouse. "When you lie down tonight, you'll drop down into alpha. Then you'll drop into a theta-wave state. In theta-wave state, it appears that the conduits become open. It's called the 'thought incubation state', a time when that 'limen' which separates the conscious mind from the unconscious mind becomes thinner. The 'limen' is just a word to describe a plane, or a separator or septum between states, but nobody knows what the unconscious mind is.

"The altered state is an extended theta-wave state, meaning the stage where the limen becomes transparent," continues Morehouse. "Another way to describe it is that doors or conduits begin to open. The difficulty is not in opening the conduits. That, in retrospect, becomes relatively easy. The difficulty is in teaching the conscious mind to translate, without analysis or data. The unconscious mind, playing the role of the individual self that is your personality, carries in data from the collective unconscious and begins to sling it in because it wants to establish a connection with the conscious mind to all sorts of data relevant to the time-space continuum."

It sounds chaotic and random.

"It is chaotic and it is random because the unconscious mind wants to establish this connection with the conscious mind," says Morehouse. "It's the conscious mind that focuses primarily downward into the physical. I've found that the time-space continuum is a four-dimensional existence, whereas the conscious mind is in a three-dimensional existence.

"The four-dimensional world is something I can't even begin to describe. It's an omniscience, an omnipotence, an omnipresence, an all-seeing, all-knowing existence. If you exist in a four-dimensional world, then you truly become godlike."

Talking about these experiences becomes like grasping at the ungraspable.

"We are all—you, I, my wife, my children, all of us—connected in the unconscious at a level we cannot see," says Morehouse, sounding more and more like a mystic. "When I was growing up, and I remember the times when I went to church, I would hear them talk about God as being in all places at all times, dwelling in your heart and watching over everyone; omniscient, omnipotent, omnipresent. How does that happen? I always wondered. It's impossible. It doesn't take place in the physical dimension. It takes place in the four-dimensional world."

REMOTE VIEWING: A HOW-TO GUIDE

So how do remote viewers access the fourth dimension?

"The methodology—what we refer to as 'the cool-down process'—is any way that you can get into the theta-wave state," says Morehouse. "We were taught to go into a place we called 'sanctuary'. It was a place where you would go to gather your bearings, to acclimate yourself. Each individual viewer created his own sanctuary. For some viewers it was some sort of a gar-

den, or a safe house, or a safe place.

"For me, it was a transparent box in space," continues Morehouse. "In the total blackness of space, with stars all around. When I was in there, nothing could harm me."

So what did you visualise in that box?

"My conscious mind; what I projected out. I visualised it as an apparitional self, a phantom self. It looked like a human form, only a light-radiance, a transparent self. Then I would begin what I call the 'descent into the target area', and that became a nomenclature that was widely used throughout."

And this is what was called "falling into the ether" or "jumping into the ether"?

"I stepped out of sanctuary, and I stepped into a vortex," says Morehouse. "A tunnel of light would slowly begin to materialise as I prepared myself in the centre of the floor of sanctuary. And when I was ready, I would step into the vortex and I would fall. I accelerated faster and faster and faster and faster, until I hit some sort of a membrane. And then I would punch through into the target area. I used to get vertigo often. I would fall head-first with my arms out, and I would accelerate until, 'Boom!', I would punch through."

And what was happening in the grey room at this time?

"They were monitoring bio-signs. They recorded your sessions.

They were miked. They had low-light cameras. They videotaped your sessions. They wanted to know everything that was happening."

And you could hold a conversation?

"You could talk to them and they could talk to you," says Morehouse. "In coordinate remote-viewing, it was a very disciplined, structured regimen. You can be in a theta-wave state but you could be conscious. You could sketch on paper. You could write down your perceptions. You could answer questions from the

monitor.

"In extended remote viewing, you would begin the same way. Your task could be: 'Access the target and describe the event taking place.' But you have the encrypted coordinates. Most remote-viewing states last an hour or an hour and a half. Extended sessions last two to three hours."

So what actually happened when Morehouse 'fell' into the ether; when he was not 'in control', pulling off to the side of a road while driving, for example?

"My analysis is that once you open the conduit, it's like trying to shut the gates on a dam. There's always spillage. There's always something there that never closes completely. I think there are a number of conduits that never close. When you're normally under control, you have the ability to recognise what's happening and you can put it in check right away; then you're okay. Mel Riley [another remote viewer and a former colleague of Morehouse] was interviewed on television, and he said, 'I always have channels open. Always.'

"A way to describe it is that a remote viewer always has one foot in the conscious matrix of the mind and one foot in the unconscious matrix, and what, where and how he perceives the world around him depends on what foot he stands. And you can jump from one foot to another and back again almost without knowing it. Mel was able to keep his balance better because he grew up with it. His first experience with it was at age 11, so he

"The four-dimensional world is something I can't even begin to describe. It's an omniscience, an omnipotence, an omnipresence, an all-seeing, all-knowing existence. If you exist in a four-dimensional world, then you truly become godlike."

grew up with it. So did Ingo Swann. I didn't start out with this ability. I didn't want this ability. A gunshot wound made this happen."

And what can keep the conduits closed down?

"There is a physiological remedy to this," says Morehouse. "It's called Haldol or Loxitane. We have lots of mental strait-jackets. Then you walk around in a cloud and you don't know your own name, but you don't have a dissociative disorder. And you don't step into the ether unwillingly."

"I think there are a lot of people who are diagnosed schizophrenic who essentially have conduits open into the unconscious. They have data flowing at random without their having any input. Outwardly they hear voices. They're tapping into another dimension. God only knows."

So how do hallucinogenic drugs relate to this phenomenon? After all, taking drugs has been described as "taking heaven by force".

"Chemical inducement of an altered state is, in my opinion, simply the chemical opening of conduits," says Morehouse. "The problem is that you never learn to do it on your own. You never learn anything from it because you never have any control while it's happening. You don't have the ability to master it. You're just on a joy ride. I think the mechanics are the same, though, and you just go on the magical mystery tour."

THE HOLOGRAPHIC MODEL OF REALITY

New models of reality have to be introduced in order to correlate the evidence gathered by remote viewing and other extraordinary phenomena.

For instance, according to alternative science theoretician Bruce Cathie, "...a rough analogy of physical existence can be made by reference to a strip of motion picture film. Each frame or static picture on the film strip may be likened to a single pulse of physical existence. The division between one frame and the next represents a frame of anti-matter. When viewed as a complete strip, each frame would be seen as a static picture—say, one at either end of the strip—then the past and the future could be viewed simultaneously."

"However, when the film is fed through a projector, we obtain the illusion of motion and the passage of time. The divisions between the static pictures are not detected by our senses because of the frequency or speed of each projection on the movie screen. But by speeding up or slowing down the projector, we can alter the apparent time rate of the action shown by the film..."

In the 1970s, a radically new theory of consciousness was proposed by Stanford neurophysiologist Karl Pribram and University of London physicist David Bohm, a former protégé of Einstein and a world-renowned quantum physicist. Briefly stated, they came to the conclusion that the universe itself may be structured like a hologram—a kind of image or construct created at least in part by the human mind.

As described in Michael Talbot's book, *The Holographic Universe*, they considered another way of looking at the world: "Our brains mathematically construct objective reality by inter-

preting frequencies that are ultimately projections from another dimension, a deeper order of existence that is beyond time and space. The brain is a hologram enfolded in a holographic universe."

Talbot's book is an invaluable introduction to the paradigm. This model also shows the interconnectedness of the so-called physical and metaphysical worlds, how various non-physical phenomena and states of consciousness, mystical states of awareness, out-of-body experiences and near-death experiences can co-exist and interact with one another.

Even prophecy or forecasting the future can be described using this model, *vis-à-vis* Puthoff's and Targ's precognitive remote-viewing experiments; in other words, "a view of the future as a hologram that is substantive enough for us to perceive it but malleable enough to be susceptible to change". Ingo Swann speaks of the future as "crystallising possibilities".

Relating to Morehouse's description of accessing the fourth dimension through remote viewing, the late Itzhak Bentov, author of *Stalking the Wild Pendulum*, described the relationship between normal versus expanded states of consciousness as a constant "on-off" process in which time spent in our "solid" reality, as opposed to other realities, is like fine-tuning the frequency dial of consciousness.

OTHER MODELS FOR EXTRASENSORY PERCEPTION

Morehouse's description of remote viewing also correlates to the Sanskrit term *sid-dhis*, or powers, which include clairaudience, clairvoyance, even precipitation of matter from the ethers. Christians have called them the "gifts of the Holy Spirit"—spiritual gifts given by the grace of God.

"Yes, I don't disagree," he says. "It's a gift, but by the same token I think there must be a reason why we're not born with it."

Some Christians disagree with his advocacy of teaching remote-viewing techniques. "Their position is that I'm teaching the black arts, and we shouldn't be doing this type of thing," says Morehouse. "I don't disagree that there

is a dark side to this, but in the coming millennium we are eventually going to be in somewhat dire straits. We are going to be confronted with very difficult choices. If you knew that people with you are good people, would you not want them to be counted as warriors who serve God with you? Would you not want them to be armed with these powers?"

So do other so-called extrasensory powers like clairvoyance or telepathy come with this ability for remote viewing?

Morehouse replies that "...what happens is that these are all words which describe the perceptions of individuals who have conduits open. The hardest thing is for the conscious mind to develop this ability. It's a learned or practised thing to interpret the data presented to it by the unconscious mind. As the unconscious mind travels backwards and forwards on the time-space continuum, it throws back raw data without analysis. It wants to develop a dialogue, but the dialogue development has to come from the conscious mind. We have to consciously interpret, not

"I don't disagree that there is a dark side to this, but in the coming millennium we are eventually going to be in somewhat dire straits. We are going to be confronted with very difficult choices."

analyse, what we're given by the unconscious mind. It's learning how to live with that still, small voice within yourself and learning to interpret it correctly."

And what is that "still, small voice"? Is it the voice of God? Or the voice of the Holy Spirit?

"You have to learn how to interpret it, how to speak that language," says Morehouse. "Your conscious mind can very successfully shut out the Holy Spirit."

This could be what the Christians call "carnal mind", the rational logical mind that breaches no intuitive sensitivity.

And what is the difference between out-of-body experiences and remote-viewing techniques?

"We tried to do an out-of-body experience," says Morehouse. "There was actually experimentation done in developing protocols in developing OOB remote viewing. Remote viewing is just opening conduits, and out-of-body is an actual separation of the spiritual body from the physical body. And this did not take place in the remote viewing."

"When you tear the spiritual body from the physical, what does that mean? It's harmful. That means that you leave the physical body open, allowing inhabitation by whatever else that wants to step in because the spiritual body is now gone. We're not talking about levels of consciousness. We're talking about spiritual separation. The spiritual body roams around and it's not under control. It's like a balloon floating in a hot breeze. It goes wherever the breeze will carry it, and God only knows what makes up that breeze."

What about the idea that this spiritual body is the responsibility of every individual, that karma can be made and destructive things can be done because the body is not in control?

"I agree wholeheartedly with that," says Morehouse. "In fact, I know that it's true. The physical body is never left in remote viewing. There is always contact, but the physical body begins to manifest the physiological signs of what the projected consciousness is experiencing in the target area."

So what is the term for this projection of consciousness into the target area if it isn't a body?

Morehouse says, "It's called bilocation. It's folding space, folding time and space. It's like bringing the event to you without ever going to the event, if you tap into it. It's omnipresent while

traversing back and forth on the time-space continuum. What does it mean? It means you're everywhere at the same time. So the only way you can be everywhere at the same time is because everywhere is where you are. So, folding space is the best analogy I can think of—like an accordion that folds in on itself, where you don't move. I was taught to believe that it was like the pages of a book, of an encyclopaedia. There are planes that are separated, yet they're connected by the spine of the book. The spine of the book corresponds to the unconscious."

REALITY (TIME) BITES

In his book, *Psychic Warrior*, Morehouse wrote that "the past was locked and the future was an untethered fire hose rocking and swaying, constantly changing".

So can past time be changed to affect future time?

"If you went back to look at it, it's like pulling up that event like a slide and stepping into it, reliving it. You are there in apparitional form, but you aren't really there at all. What you are experiencing there is the temperature, the sound, the sights, the smells. Plus you take it a step further in the unconscious mind on all the intangibles, the aesthetic impact, the emotional impact. You feel the pain of the people. You feel all things. Why? Because you are looking at it from a four-dimensional perspective, and translating it as quickly as the mind can operate, back to the conscious mind, puts it into physical terms. So you're experiencing it and it can take a definite toll on you."

"For instance, go to 1945 and step into Ground Zero Hiroshima. You can pull that event up and step into it, and all the torment of souls being torn from their bodies, all of the horror relevant to that event lives on. You can step back there and experience it."

So this is a record that remains forever and ever?

"The past remains, but it's locked in that part of the time-space continuum," explains Morehouse. "You can step in and experience it, but you couldn't go and kick someone in the shins, so that Adolf Hitler stumbles off the platform and breaks his neck. You can't affect anything. You can't do anything there except be there and observe and gather information."

ACCESSING THE COSMIC MEMORY BANK

This is where physics and metaphysics collide. Morehouse's description of remote viewing sounds very similar to accessing what has been called the "akashic records". *Akasha* is a Sanskrit word which means "primordial substance".

According to *Supermemory* authors Ostrander and Schroeder, "...this cosmic databank of the totality of universal happenings was conceptualised as being recorded on a 'subtle ether', a kind of invisible, all-pervading medium through which 'kasha', or the visible light, passes throughout space as a manifestation of vibration."

In other words, like a 4D cosmic camcorder, the holographic record of each instant on the time-space continuum is captured and held there forever.

A book titled *The Human Aura* carries a very apt description of this phenomenon which clearly resonates with Morehouse's descriptions:

"It is of utmost importance that the



student understand that there is a process whereby every observation of his five senses is transmitted automatically to subconscious levels within himself, where, by inner hieroglyph, events he has witnessed or matters which he has studied are recorded; thus the entire transmittal of data from the external world to the internal lies in the akashic records of his own being.

"The process of recall, while quite involved from a technical standpoint, is almost instantaneous. Out of the storehouse of memory, man quite easily calls forth these treasures of being. Unfortunately, not all events are benign; not all recordings are examples of perfection."

Akashic records, then, describe "...all that transpires in matter is recorded in *akasha*—etheric energy vibrating at a certain frequency so as to absorb, or record, all of the impressions of life."

Here's another definition of akashic records: "...the recordings of all that has taken place in an individual's world are written by recording angels upon a substance and dimension known as *akasha*."

"*Akasha* is a primary substance; the subtlest, supersensuous, ethereal substance which fills the whole of space; energy vibrating at a certain frequency so as to absorb, or record, all of the impressions of life. These recordings can be read by those whose soul faculties are developed."

Edgar Cayce, "the Sleeping Prophet", is said to have contacted these records when he went in his "sleep" to bring back astonishingly precise information about the past, including historical details relating to people and events during the time of Jesus, for example.

Cayce's work also delivered specific prescriptions for diseases as well as the reasons why. Authors Ostrander and Schroeder write that Cayce's amazing gift "...overshadowed the arresting fact that he could so easily dip into an unseen information bank and bring back provable data."

It would also stand to reason that details of historical events could be accessed in an attempt to discover what really happened—especially in events of criminal conspiracy, negligence and subsequent cover-up.

Like, for example, what really happened to TWA Flight 800...

TWA FLIGHT 800: TARGET PRACTICE GONE WRONG

"It was like turning a 747 into a microwave oven."

That's how David Morehouse explained what happened to TWA Flight 800, after he delivered a remote-viewing report for CBS News—a report which was never aired.

"We originally started at the request of a producer at CBS to work in consonance with them to investigate the downing of Flight 800," explains Morehouse.

"We used a team of six remote viewers. After having gone back in time and looked at the event, five of them did not say that a missile struck the aircraft, but said that it was an energy beam or a light beam and that the aircraft exploded. It was a light beam that could not be seen by the human eye. It was high-powered microwaves.

"We did a 32-page report for CBS on it; a lengthy investigation. We used a law enforcement liaison officer who was a retired US

city cop. I was dealing with Ph.D.s who owned patents on fibre optic cables.

"It goes right back to the CBW thing in the Gulf War [the cover-up of chemical/biological warfare by the Pentagon]. The first thing that came out of the Navy was, 'We had no exercise going on, none whatsoever.' I saw the message from the Department of the Navy to the FAA [Federal Aviation Administration] that said that from this time to this time—which was a time window that included the departure time of Flight 800—there was an exercise going on.

"The microwave that we think it was built by Phillips Laboratories. It's about the size of a Ryder truck, a moving truck about that size, which produces 1.4 gigawatts, a billion watts of power in a concentrated stream of electrons that are guided by a self-generated electromagnetic field. The footprint of this particular weapon can be anywhere. They can tweak it up or down. They can crank it down to a footprint the size of a basketball. They can expand it out to a footprint the size of a football field. Of course, the more you disperse the electrons, the less effective the beam is, but it's still pretty nasty stuff."

Morehouse, of course, had to deal with the usual denial. "The executives at CBS said, 'We don't have anything that has that kind

of range.' It's like the Ph.D. who installed microwave dishes around New York and New Jersey who told us that when the guys working on the Empire State Building go out on a platform to change the lights for Christmas, they wear flash bulbs in their pockets. The reason is because of the microwave energy from all the dishes and power mounted on the building. When they get closer than they're supposed to be, it pops the flash bulbs. That's how much ambient radiant energy is coming out of those dishes. If you were to stick a frozen chicken on the end of a fibre-glass pole and stick it in front of a microwave dish, faster than you could blink your eye it would be charred black.

"Because of all the microwave dishes, the building next to the World Trade Center had the top 20 floors surfaced with a special film coating on the windows to reflect the microwave energy. All the employees in the building were complaining of ringing in the ears and headaches.

"We went through this analysis. We looked at the message traffic. There are seven military operational or warning areas off the coast of Long Island. Of those military operational areas, three out of four of them were active. They were joined together into an operational area that was code-named 'Tango Billy' by the Department of the Navy. This was an open-source message—the Navy just informing the FAA that these warning areas are off the coast. When those warning areas are active, the Navy tells the FAA. The FAA establishes what is called 'Flight Corridor Betty'.

"I interviewed at least a half-dozen TWA pilots who said, 'Yes, that's right; I've flown Betty many times.' They go to a VOR [VHF Omni-directional Radio range] in New Jersey. They break a hard left and they fly an outbound radial to pick up an inbound radial on the Nantucket VOR. They hit the Nantucket VOR and they break right and head for the European theatre. But they fly

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through an invisible tunnel in the air called a 'flight corridor'. It's supposed to be a safe corridor and they stack the aircraft in this corridor—aircraft going north-south, aircraft going south-north.

"So Flight 800 was in Flight Corridor Betty. It was late. The FAA doesn't notify the Navy that 'We have aircraft late on takeoff' or anything else. There was also the USS *Normandie*, 35 nautical miles away from this area called Tango Billy, 10 or 15 miles off the coast of Long Island.

"There is also Brookhaven National Labs which was formed in the early 20th century by Nikola Tesla. It's a miniature version of Los Alamos. There are people out there with Gamma clearances. There is a nuclear power plant and particle colliders there. The Governor of New York is trying to close it down because of all the radiation seepage into the water that is poisoning the people. It's supposed to have the highest cancer rate on the east coast.

"And there is also a top-secret naval weapons testing facility adjacent to Brookhaven National Labs. They share the fence-line. This is a naval facility that is completely sterile; an airfield with no airplanes because everything's locked up in the hangars. At night they roll them out and test them and do whatever they do.

"From this facility they were trying to shoot out over the water into Tango Billy and, with a high-powered microwave weapon, kill a test drone *Tomahawk* missile that was fired from the deck of the USS *Normandie*. When that missile fired off, which was what everybody saw, they saw a drone climb, level off and head for Tango Billy.

"But what happened was the drone missile climbed and put Flight 800 between it and the gun. TWA Flight 800 was in the gun target line.

"When you're testing weapons, it's an automated target acquisition device or, worse yet, manually acquired and fired.

"So you have some dork, and he looks at a bleep on the radar screen, knowing that he just got 'Launch!' over from the USS *Normandie*. He sees that bleep which is now really two bleeps—the *Tomahawk* missile and Flight 800. He presses a button that fires a high-powered microwave weapon.

"We presented all the evidence and the facts. We had satellite imagery that was purchased from the French. We had autopsy data from the French, testimony from Suffolk County medical examiners where guys had inadvertently revealed the fact that they had seen a flight attendant who had a piece of metal fused to her back. That doesn't come from an explosion; that comes from a high-energy microwave beam that superheats metal and burns it into human tissue. It fuses it. It was cutting open cranial cavities; it was removing brains; it was dishing out eyes. It was doing all that stuff because a microwave beam on humans takes out all the ocular neural networks first. It fries the brain and fries the eyes; it hits the spinal fluid, the blood and the marrow. It boils the blood. It actually gels the blood. This sounds very gruesome, but it happens so fast that the brain doesn't even have time to register pain. You're dead instantly.

"Did it hit everybody in that plane? No. What it did, we think, was that it hit centre of mass, which would have been under the left wing, directly into the fuel tank in the belly of this thing, right near the galley. What it did was it fried all the analog circuitry in this aircraft because high-powered microwave weapons have an electromagnetic pulse effect, which means that they blow up

solid-state circuitry. Everything inside this 747 that was run in the cockpit was all fed by analog circuitry, so all the digital readouts in the cockpit were frozen in time. And that's why the black boxes which were recovered had no readings whatsoever. All the readings were eliminated, so it's just like zeroing it out. That's why they didn't come back with anything on the black boxes. There was just white noise.

"When it was a deceleration injury, like the plane that crashed in the swamp in Florida, we could listen to what the pilot said right up the point when they went into the ground.

"Why would this be covered up? If a missile had shot an airplane down, rest assured that the Department of Defense would have said, 'Golly gee, we're really sorry; we did a missile test' and paid off the surviving family members. They would have apologised.

"But what happened was that Les Aspin, as part of the current Clinton Administration, told the American people: 'We are now at the end of the Star Wars era.' That is a direct quote from him. What he was saying is that you no longer need this defence—thus ending the ten-year-long debate about whether it was smart, safe or feasible for us to put space-based weapons platforms, laser

microwaves or otherwise, into orbit around our planet.

"So he was lying to us because we've spent US\$358 billion working on weaponry of this nature: Star Wars technology.

"What was going to happen four months after Flight 800 went down? The November election of the President vying for his second term. It would have been the perfect stake in his heart if the wrong people got hold of it. They would have said: 'You told us in '93 when you took office, you liar, that you weren't doing this any more. Now you are.

"But what happened was the drone missile climbed and put Flight 800 between it and the gun. TWA Flight 800 was in the gun target line."

You've been doing this.'

"So after the elections in November '96, on the pages of *Armed Forces Journal International*, we proudly displayed the new airborne laser system which is a 747-400 outfitted with a chemical oxygen-iodine laser. The entire first-class section is all target acquisition and tracking. And now we're going to build seven of them so we can fly at 55,000 feet, have a range of 480 nautical miles, and we'll be able to burn a hole in whatever—somebody's head, another tank, an airplane. It's up there allegedly to protect us from inbound intercontinental ballistic missiles at the boost or post-boost phase.

"Seen any of those flying over us lately?"

Continued in the next issue of NEXUS...

Note: The second and final part of this article covers David Morehouse's recent life as a whistleblower; CIA harassment and disinformation; remote viewing the Ark of the Covenant; encounters with angels and demons; Gulf War crimes cover-up; the truth behind the assassination of Martin Luther King, Jr; the future of non-lethal weapons and remote-viewing technologies; and more. A bibliography will be published at the end of Part 2.

About the Author:

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BRIGHT SKIES

Top-Secret Weapons Testing?

***Did the Japanese
Aum Supreme
Truth sect
purchase an
Australian outback
sheep station for
its own Tesla-style
weapons testing,
or to eavesdrop on
someone else's
secret tests, or
both?***

Part 3

by Harry Mason, B.Sc., M.Sc.

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"BANJAWARN BANG" REVISITED

Part 1 of this "Bright Skies" series of articles described an anomalous event—consisting of a bright, flat-trajectory fireball, a huge flash of white light, a major explosion, a red flare rising skywards to a great height, and a 3.6-3.9 Richter-scale earthquake—which occurred on the late evening of 28 May 1993 on or close to Banjawarn sheep station (ranch) in the northeastern Goldfields region of Western Australia.

The majority of eyewitness evidence placed the "ground zero" of the 1-2 kilotonne explosion on the northwestern edge of this Banjawarn property.

A large hemisphere (some two times as large as a half-setting Sun) of opaque orange-red colour with a silver lining then rose from ground level to bob around for two hours before turning off as if a light switch had been thrown.

The Banjawarn sheep station soon became newsworthy due to its purchase and occupation in 1993 by the Japanese sect, the Aum Supreme Truth (Aum Shinrikyo), of Tokyo subway gas-attack fame. The sect's stated purpose at that time was "to conduct experiments there [at Banjawarn] for the benefit of mankind". It was reported in the media in 1995 that Aum sect members had experimented there with sarin nerve gas on sheep—as a prelude to the Tokyo gas attack on 20 March 1995.

The Aum sect's deputy leader, Kiyohide Hayakawa, visited Perth in April 1993. Aided by Perth-based Japanese Mahikari sect agent, Japanese-born Yasuko Shimada, he hired a light plane and flew with a Perth real estate consultant (Japanese-Australian, Micky Webb) out to the northeastern Goldfields to view several "for sale" sheep stations.

Interestingly, in his pre-Aum days, Hayakawa had studied for his Masters degree at Osaka University in "Greening Technology". His thesis is marked highly confidential and is under top-secret wraps. The University authorities originally stated that he studied "Anti-Desertification" in the Climate Engineering department. However, Japanese investigative journalist Yoichi Shimatsu (see web site www.pelago.com) has uncovered strong evidence that this department is a cover for secret Japanese electromagnetic (EM) weapons research.

More recently, in response to Shimatsu's published story concerning Hayakawa's true area of study, Osaka University now insists that Hayakawa studied "Landscape Engineering". The outcome of the deployment of certain types of EM weapons is, if you like, a higher order of "Landscape Engineering"!

These weapons systems appear to be candidates, amongst many other examples, for the geo-physical environmental warfare weapons originally envisaged by Professor Gordon McDonald in Nigel Calder's 1968 book, *Unless Peace Comes*.

Hayakawa left Osaka University and soon found his way into the Unification Church—the Korean Moonies sect. The Reverend Moon was a long-time friend of the recently deceased North Korean "Great Leader", and is now known as an associate of George Bush in new Moonies ventures in South America. After some years, Hayakawa became a high-ranking member but broke with this sect under cloudy circumstances in 1987. He left the Moonies (with their permission?)—with US\$20 million of their funds, the deeds to several Tokyo buildings, and the rights to several Moonies businesses—and joined the Aum sect.

According to an analyst for the Japanese Police, Hayakawa was under surveillance at this time—believed to be a possible spy for the North Korean military. He inadvertently led them straight to the relatively unknown Aum sect.

Hayakawa apparently utilised these Moonies assets to buy his way into the Aum sect—to whom he brought some 35 fellow Moonies. He rose almost immediately to the position of deputy leader, running a nearly separate organisation surrounded by his ex-Moonies cadres, in his so-called "Aum Construction Ministry". Hayakawa reportedly began to use the multi-

faceted Aum organisation as a convenient cover for a variety of drugs, arms and high-tech scientific equipment (of use in weapons manufacture) dealings around the world. For instance, during the Gulf War, Saddam Hussein was among his trading partners.

Hayakawa visited Russia 22 times, and North Korea 17 times since 1992. He traded with KGB official Vitaly Masenko—operating under cover of the Ukraine Ministry of Industry and Trade. Masenko had previously worked closely with the Ukrainian chapter of the Unification Church since at least the mid-1980s.

JAPANESE CULTS: COVERT POLITICAL SUPPORT

Yasuko Shimada, Hayakawa's contact and helper in Western Australia, also had an interesting career prior to her 1993 Banjawarn role, according to author Garry Greenwood.

In his 1997 book, *All The Emperor's Men*, Greenwood discusses his experiences with the international Japanese cult Mahikari. He was a devoted member of this "New Civilisation" spiritual healing religion for some 17 years and was their number-two spiritual leader/executive in Australia for about 10 years.

Several years ago Greenwood left this sect upon discovering that its founder, Lt Colonel Yoshikazu Okada (ex-Emperor's bodyguard and Imperial Guards), had been instrumental in planning the Japanese Army's infamous "Rape of Nanking" in China prior to World War II. He also found out that at the higher Japanese Mahikari command levels the cult was viewed as designed with just one purpose: to initiate the placement of the current Emperor of Japan back to his "rightful" position as Emperor of Planet Earth within our lifetime. Apparently these people believe that in an earlier lifetime, many of thousands of years ago, the present Japanese Emperor ruled this entire planet, and it is now his ordained destiny to rule the Earth again.

Greenwood noted that Yasuko Shimada, Hayakawa's 1993 Perth contact, was instrumental in establishing Mahikari in Australia in 1974. This cult has only some 2,000 members here, but it concentrates on the rich and powerful.

Jo Court, the wife of Western Australian Premier Richard Court, has been a member for some 15 years, and she and her husband celebrated his February 1993 election win all the next day at the Perth Mahikari temple, before leaving two weeks later on a holiday tour of Japan, reportedly involving many meetings with powerful and influential Mahikari-sponsored Japanese "businessmen".

It is interesting just how many events in this Banjawarn story happened in sequence during early 1993.

In April 1993, yet another Japanese group arrived in WA. The Japanese Environment Ministry approached the Western Australian Government with a plan to undertake an "Anti-Desertification" study in the eastern Goldfields area of WA. This project went silent after the Aum affair exploded into the world news, but after help by Richard Court and Deputy Premier Hendy Cowan it is now in full swing around Kalgoorlie and Laverton. Japanese university post-graduate students are tending electronic monitoring equipment installed all over these areas of the eastern Goldfields—"in order to learn how to green third-world deserts".

Joint research by Yoichi Shimatsu in Japan and Garry Greenwood has uncovered a trail of connections between the covert Japanese money-power supporters of both the Aum and Mahikari sects. These included prominent LDP (Liberal Democratic Party) politicians such as Shintaro Ishihara, co-author (with the late Sony chairman Akio

Morita) of a book entitled *The Japan That Can Say No*. This 1989 book's basic thesis suggested that Japan should ally with Russia, and that by mating Japanese microchips to Russian super-weapons they could put the finger up to the USA and jointly rule the world. It appears to describe the plan that is currently being followed by a covert money-power group that controls the Japanese Government.

Much evidence suggests that both the Japanese Aum and Mahikari sects are offshoots of covert Japanese God-Emperor worship groups and serve mainly as deniable political (and military technology) action arms intended to aid their particular Japanese brand of world hegemony. It is unlikely that most international members are aware of this or their dupe roles in this scenario. Jo Court was informed of this Mahikari-Emperor scenario by her (now ex-) friend Garry Greenwood, but she refused to believe it.

HAYAKAWA'S FIELDWORK

In April 1993 Hayakawa, aided by the Perth real estate consultant, spent 12 days examining sheep station properties in the Leonora-Laverton outback region of Western Australia.

Flying in to each station, Hayakawa strangely and openly asked to

**Flying in to each station,
Hayakawa strangely and openly
asked to be shown immediately
the uranium prospects that were
located there.**

be shown immediately the uranium prospects that were located there. Hayakawa took small rock samples away for assay from each uranium prospect that he was shown. He then requested a station 4WD vehicle to "tour the station alone to view the property potential and make up his mind re purchase".

According to information from the consultant, Hayakawa drove to locations within the central areas of the properties, often over the soil-covered granites. At first he attempted to drill two small holes

into the ground with a small portable rock-drill, but the drill soon failed and he had to dig small holes by spade. He placed an electrode into each ground-hole, connected the two electrodes to a small electrical instrument about the size of a fax machine, and proceeded to record some electrical or electromagnetic variable for several hours at each site. He did not move the electrodes at all during this process.

Back at the station quarters he would "number-crunch" this data all night long on a powerful portable computer.

Hayakawa was rather touchy when the consultant asked him what these procedures were all about, and he mumbled that it was necessary for the Aum's future experiments "for the benefit of mankind" to choose the correct location. In fact, he carried out these ground geophysical surveys without the knowledge of any of the station owners, who thought he was merely sightseeing around their properties in station 4WD vehicles.

As a geophysicist often involved in geophysical surveys of many types for mineral exploration purposes, I could not immediately understand or deduce what electrical system Hayakawa was utilising or for what purpose. Normal electrical and electromagnetic ground surveys involve moving the sensors along lines over the prospective ore-body location, not measuring some parameter for hours at one static location, and they never involve number-crunching measurements all night long.

Hayakawa repeated this procedure of uranium sampling, ground geophysics and all-night number-crunching at each sheep station that he visited.

Eventually, after further aerial surveying of Banjawarn, Hayakawa decided that this station was ideal for Aum's purposes. It appears that

he chose Banjawarn due to its isolation rather than its contained uranium prospects which, if anything, were much smaller and lower in grade than those located on the other stations he had inspected.

Banjawarn is arguably the most isolated sheep station in the eastern Goldfields, and the area lying along its northern, northeastern and eastern perimeter is even more isolated sand-dune/spinifex country linked to the edge of the Gibson Desert. The entire area is almost totally devoid of inhabitants.

Hayakawa attempted to purchase the station then and there in mid-April 1993, showing the owner a briefcase full of Australian paper money notes. The owner, being a prudent man and well aware of colour ink-jet printers, refused to deal in that manner and requested a properly signed legal purchase document and the handover of a reputable WA bank cheque.

Obviously Hayakawa was keen for the Aum to own the Banjawarn station right away, in mid-April 1993—which suggests he was operating to a tight time schedule.

Hayakawa then immediately returned to Perth and left for Tokyo, but in early May 1993 he travelled to the Soviet naval base at Cam Ranh Bay in Vietnam—according to Japanese Police inspection of his travel agent's ticket stub lists.

Later in April 1993 two other Aum personnel arrived in Perth from Tokyo, whereupon they utilised the services of a firm of solicitors to establish a WA company and draw up a legal purchase document which would be satisfactory to the owners of Banjawarn station. These Aum representatives had a poor command of English and were quite agitated at the slow and lengthy legal process necessary to effect the purchase agreement—which again suggests a tight timetable for their agenda.

This Banjawarn purchase agreement was signed on 23 April 1993. Yasuko Shimada, being an Australian resident, was co-signatory on the Banjawarn ownership papers in order to help the Aum get past Australian land ownership regulations. Without her Mahikari help, the Aum would have had severe problems gaining title to Banjawarn and conducting experiments there "for the benefit of mankind".

I find it interesting that the Mahikari sect includes amongst its members the wife of the Premier of Western Australia; the same Premier who had an investigation conducted into the Aum sect's activities in connection with the "Banjawarn Bang". He was prompted by my 1995 report to him regarding the early fireball/explosion/quake data that suggested this event could have been nuclear in nature and was certainly suspicious enough to warrant a full scientific investigation.

Premier Court stated in a letter to me (dated 15 May 1996) that this WA Police inquiry had established that the Banjawarn event was natural in origin. Yet not one of the eyewitnesses (whose testimony was detailed in my report) was ever approached by the WA Police (or anyone else) during the alleged investigation. It appears there is room here for some interesting scenarios and, at least, a few important questions require answering.

The exchange of Aum's bank cheque to the owner of Banjawarn took place on 1 June 1993. Thus, actual ownership of Banjawarn station was in the hands of the Aum sect via a front company only three days after the fireball event of 28 May 1993, though this had been guaranteed by signed agreement some 35 days before the Banjawarn fireball event.

The WA Government's Pastoral Board finally registered the official change of ownership on 1 September 1993.

THE AUM THAT NEVER WAS

In mid-1995 the chief lawyer of the US Senate inquiry into the Aum sect informed this author of the Aum's great interest in Nikola Tesla's EM earthquake-inducing weapons technology. This suggested an interesting line of research and posed the question of whether there was a connection between the bizarre fireball events of the night of 28 May 1993 and the interest shown by Hayakawa and the Aum sect in Banjawarn station.

On 26 May 1993 a party of Australian and Japanese amateur astronomers was touring the Goldfields *en route* from Leonora to Meekatharra when they encountered several Japanese people camped in the bush north of Leonora. The Japanese astronomers remarked to their companions that these people were quite strange in their demeanour and conversation, and they were seen to be very oddly attired. It is quite possible they were Aum members, as the sect is renowned in Japan for strange dress and behaviour.

From where they were camped it was only about one hour by 4WD

vehicle on bush roads to the 28 May event's ground-zero location near or on Banjawarn station. These people were ideally placed to cover the fireball events that occurred just two days later. Japanese tourists are very rare in this region which is well off the beaten track.

The Australian Federal Police informed me in April 1995 that Aum sect personnel, including their science minister Hideo Murai (a nuclear physicist, regarded as "the most intelligent living Japanese"), were at Banjawarn on 28 May 1993, having arrived in Australia in mid-May. (Interestingly, Murai also had a pre-Aum background in

EM technology. He had worked at Kobe Steel, researching microwave and other EM ray/wave technology applications for cold moulding of steel, having graduated as an astrophysicist specialising in cosmic X-ray analysis. His Kobe Steel laboratory was at the epicentre of the great 1995 Kobe earthquake.)

About one month later the Federal Police retracted this story, stating that there was no evidence of any Aum members being at Banjawarn (or in Australia) at the time of the fireball event, therefore the Aum could not have been involved in the event of 28 May.

The amateur astronomers' information suggests that the Federal Police were at best mistaken. Unknown Aum members could easily have arrived in eastern Australia posing as Japanese tourists and might have been missed by Australian immigration authorities.

The Australian Federal Police also claimed later that ownership of the Banjawarn station was only transferred to the Aum sect as late as September 1993, hence there was no possible tie-up with the fireball events. Technically this is correct, since this was when the WA Pastoral Board registered the change of ownership. However, this claim is very misleading since the purchase agreement was signed by both parties on 23 April 1993, and Aum handed over the bank cheque on 1 June 1993.

At the time of the "fireball" event at 23.03 hours on Friday evening 28 May 1993, the Aum knew that Banjawarn was theirs by legally enforceable right. They also knew there was rarely anyone in residence at the station buildings during weekends from Friday to Monday when, typically, the station owner and his wife would drive 100 km to the southwest to stay with relatives.

The party of strangely dressed Japanese persons (Aum?) could eas-

In mid-1995 the chief lawyer of the US Senate inquiry into the Aum sect informed this author of the Aum's great interest in Nikola Tesla's EM earthquake-inducing weapons technology.

ily have checked that all tracks in the event ground-zero were devoid of personnel—if this was even considered necessary. They could certainly have filmed the events of 28 May and/or carried out monitoring of field scientific parameters.

In late September 1993 Shoko Asahara, the bearded guru-leader of the Aum sect, arrived in Perth with deputy leader Hayakawa and several group members (including young teenage girls), carrying excess air freight baggage reportedly costing some A\$330,000.

This "baggage" included laboratory and "mining equipment" in the cargo hold, as well as dangerous chemicals (hydrochloric acid) concealed in toiletry containers and sake bottles in personal luggage. Many of these items were confiscated by Australian Customs, and two Aum members spent time in detention over their infringement of air safety regulations.

The Aum entourage hired a couple of twin-engined planes to fly them out to Banjarnaw. They later utilised the planes for low-level aerial recce around the entire station area as well as examination of areas outside the station to the east, south and north.

The Australian Federal Police alleges that the Aum sect tested sarin nerve gas on sheep at Banjarnaw station during its September 1993 occupation. The evidence for this is slim and would probably fall down if ever tested in court. Moreover, there is copious evidence that sarin was not the gas used in the Tokyo subway gas attack.

Gas attacks on the Japanese railway system, and strange (possibly terrorist-initiated) "accidents" in Japanese nuclear power plants, have continued well after Asahara's incarceration. There is some evidence that points to North Korean terrorist activities being the source of all of these incidents—including the original Tokyo subway gas attack.

Today, Asahara is generally being vilified in the Japanese/world media and is kept in a cold cell; but Hayakawa is hardly ever heard of while under house arrest (where his 'warders' call him "Sir"!).

It appears likely that the Aum was simply nominated as the source of the gas attack to shut down a compromised intelligence asset and hide the true state of affairs regarding North Korea.

NUCLEAR BOMB SCENARIO

The eyewitness observations of the Banjarnaw explosion of 28 May 1993 resemble a description of a night-time nuclear blast. Calculations utilising the seismic signals received around WA suggested that the energies involved in the explosion were at least 1-2 kilotonnes of TNT equivalent, i.e., similar to a small nuclear bomb. Following mid-1995 press reports that linked the Aum to attempts to procure nuclear weapons, I decided that this possibility was serious enough to alert the US Senate inquiry and the Australian authorities. However, a lack of radioactive dust particles in Australian collectors for that month, as well as intelligence information and other considerations, soon led me to discount the nuclear bomb theory. However, the US Senate is still researching this possibility.

During their brief one-month occupation of Banjarnaw station in 1993, the Aum entourage established a field chemical laboratory in one of the Banjarnaw station houses. They also built a new graded track down to the edge of the large salt lake south of the station buildings, presumably to allow better access for uranium sampling.

There is solid evidence from Australian Federal Police sources that the Aum re-sampled many uranium mineral shows in the district and air-freighted a trunkload of local uranium ore back to Japan. Samples of this ore left in the Banjarnaw laboratory and found by the

Federal Police have been analysed in the WA Government Laboratory in Perth. These rocks contained such low levels of uranium that the chemists and Police laughed at the Aum's apparent stupidity in attempting to use these ores for nuclear-bomb-making purposes. There is no other evidence of any illegal uranium mining or large-scale sampling by the Aum at or near Banjarnaw.

Thus Hayakawa had undertaken geochemical sampling of the local uranium shows before and after the 28 May '93 Banjarnaw fireball event with its associated explosion, earthquake and two-hour orange-red hemispherical structure.

Later news reports, sourced from an Aum detainee imprisoned in Tokyo, suggested that Aum had attempted to extract fissionable uranium from the Banjarnaw ore.

This nuclear technology story fitted the earlier press releases of US Senator Sam Nunn, who, as senior member of the US Senate inquiry into the Aum sect and Weapons of Mass Destruction (Oct-Nov 1995), had argued that there was evidence the Aum had attempted to acquire nuclear weapons from their Russian contacts, and had also attempted to develop their own nuclear weapons in Aum factories.

On the available evidence, Nunn was worried that the Aum may have succeeded in either endeavour and had therefore acquired nuclear weapons. His worry was justified, given media information suggesting that Aum leader Asahara was not only predicting a future major nuclear war between Japan and the USA, but was also plotting to initiate such a war by detonating a clandestine nuclear weapon within continental USA.

The eyewitness observations of the Banjarnaw explosion of 28 May 1993 resemble a description of a night-time nuclear blast.

The ore available to the Aum at Banjarnaw was very low grade, and, in common with all uranium ore, consisted of 99.999% ²³⁸U with only very minuscule amounts of ²³⁵U—the highly reactive, fissionable bomb-making uranium isotope. Until the recent development of laser extraction technology, it would take years to acquire useful amounts of this isotope—using large centrifuge and gas extraction industrial plants operating on huge amounts of ore with massive electrical power requirements. It still

takes large amounts of ore but can now be achieved in months rather than years.

It was obviously impossible for the Aum to effect recovery of sufficient ²³⁵U for a standard uranium nuclear bomb in their field laboratory and with their limited mining actions at Banjarnaw. But a "dirty" bomb (²³⁸U-cased tactical or micro-nuke, as acquired from Russia?) could possibly have been achieved by the Aum's actions.

However, Hayakawa had expended a great deal of effort in his geophysical all-night-long number-crunching surveys and in his geochemical sampling of the local uranium shows. What was his purpose, and was there a link with the events of 28 May 1993?

The possible links between the Aum sect and the Banjarnaw events can be summarised as:

(1) The Aum's interest in the same piece of Planet Earth as the strange "fireball" and its associated events, and at approximately the same time;

(2) Hayakawa's earlier "Landscape Engineering", i.e., EM weapons studies at Osaka University, and Murai's EM work at Kobe Steel;

(3) The US Senate inquiry chief lawyer's comments re the Aum's interest in Tesla's earthquake-inducing EM weapons systems;

(4) The strange nature of the "fireball" events, as reported by eyewitnesses, apparently not fitting a normal, natural meteorite scenario.

SOVIET/RUSSIAN-JAPANESE EM WEAPONS SCENARIO

Japanese seismologists' first inkling of EM earthquake-inducing weapons technology came at a joint meeting between them and Soviet seismologists after the huge Armenian earthquake of 1988.

Strongly supportive evidence about these weapons came from a Moscow source developed by Japanese investigative journalists. This person was present during a conference in Moscow (January 1990) when a top Japanese delegation, led by Foreign Minister Shintaro Abe, met with USSR President Gorbachev and his aide, Politburo member Alexander Yakovlev. Their intent was to establish "bilateral cooperation".

At further meetings in January 1991, Gorbachev via Yakovlev offered the Japanese the USSR's super-secret intercontinental EM weapons technology—capable of producing earthquakes—for US\$900 million. This EM weapon system had been on active service in the USSR since the early 1960s.

Gorbachev also agreed with Japanese Diet member Toshio Yamaguchi to the setting up of a joint Japan-Russia University in Moscow that would be tasked with co-opting the brightest young nuclear physicist minds of both countries to develop new second- and third-generation EM super-weapons by mating Japanese microchip and electronics know-how to Russian first-generation weapons technology. Note the scenario similarity to that of the book, *The Japan That Can Say No*.

This university was soon formed, and under the cover of "Cultural Studies" was administered by the Aum sect and one Lobov. Lobov became Yeltsin's head of the Security Council—after the late 1991 coup that removed Gorbachev. The Aum cadres first arrived in Moscow in late 1991. Under the support of Lobov, given many hours of free time on Radio Moscow and access to the Russian Army, the Aum soon had more Russian members (over 50,000) than Japanese (around 30,000).

The Aum sect was utilised to effect many covert arms purchases in Russia as cover for the Japanese Government. Yakovlev still managed the Japanese/Aum relationship—but from behind Lobov, due to this close association with the now-tainted Gorbachev. Both met Hayakawa repeatedly over the next few years.

The asking price for this EM weapons technology exchange was US\$900 million—but it was not destined for the USSR exchequer. The US Senate inquiry into the Aum found evidence that very large sums of money had indeed been transferred to Lobov's Swiss bank account, but did not know why! Several people ended up very dead in Russia whilst attempting to research this scenario.

This intelligence raises the possibility that a test site would be required for demonstrating the intercontinental range and effectiveness of said EM weapon system to the purchaser. The weapon would need to be 'fired' from an existing KGB transmitter (Tx) site somewhere inside Russia, and/or from a KGB-controlled naval vessel. (Remember, Hayakawa visited the Russian Navy at Cam Ranh Bay soon after his April 1993 visit to WA.) Probably two or three actual transmitters would be required to effect the fireball and associated events. This test site could not be in highly populated Japan for obvious reasons; nor could it be inside Russia's borders, where the Russians totally controlled the target site, since the purchaser might suspect a sham—set up to extract their money.

Western Australia demonstrates a similar intercontinental test-range distance from, say, the Siberian Kamchatka Peninsula, as that from Japan to the eastern seaboard cities of the USA.

Kamchatka contains a huge, 30-km-diameter, circular EM weapons Tx site—which the infamous flight KAL 007 was attempting to gain intelligence on, before being shot down by Soviet forces on 31 August 1983.

Obviously one or several test-firing demonstrations of the EM weapon system's many capabilities would be in order before any US\$900 million could be handed over for the weapon. What better way than to purchase an isolated Australian outback station to act as the independent Japanese target and test range? Practically no one lives in this desert to notice the tests. If someone did, they would dismiss them as natural meteorites. The biggest and most explosive test, and the one involving major earthquake initiation, was best conducted prior to the Aum's official residency there.

US nuclear physicist and former US Army Lt Colonel Tom Bearden has researched Soviet EM weapons systems for over 20 years. He has documented many eyewitness accounts from around the world of "Tesla fireballs" and large spherical or hemispherical orange-red "Tesla shields". Bearden believes that the Banjawarn incident and associated events fit perfectly to known Soviet/Russian EM weapons technology.

A Tesla fireball is created by two or more transmitters broadcasting Tesla rays to create a slug of very high 'infolded' EM energy that is moved across three-dimensional space by manipulation of the ray parameters. When over or in the target, their contained EM energy is released in microseconds to create nuclear bomb-sized explosions or large earthquakes.

A Tesla shield consists of highly charged scalar EM field-generated plasmas capable of blowing electrical circuits in missiles or aircraft, thus downing them or removing their threat potential for accurate weapons delivery. A Tesla shield is also believed to be capable of engineering changes within the atomic nucleus such that slow application of low-level EM energy transmutes the nuclear isotopes within a warhead from, say, ^{235}U to ^{238}U ; i.e., this technology can 'dud' nuclear warheads in their silos or in flight. Alternatively, rapid application of high EM energy levels may cause warheads to be prematurely detonated.

The Aum sect was utilised to effect many covert arms purchases in Russia as cover for the Japanese Government.

HAYAKAWA'S REAL PURPOSE AROUND BANJAWARN

So why was Hayakawa carrying out a recce field geophysical survey on the sheep stations around Banjawarn in April 1993? The following scenario is considered plausible.

Hayakawa needed to know the local 'infolded' EM (Tesla ray) telluric or magneto-telluric parameters. This data would allow for accurate targeting of the Russian EM weapon, and for a study to detect changes induced during and after the actual fireball-explosion-quake weapon test. Obviously the Japanese powers wanted to know all they could about the technology.

For test purposes Hayakawa also required knowledge of the $\text{U}^{208}/\text{U}^{205}$ ratio in the local uranium ore shows around the district. Repeating these analyses during and after the tests would allow an assessment of the nuclear warhead 'dudding' ability of the Tesla rays within the huge orange-red hemisphere that formed north of Banjawarn on the night of 28 May '93.

Thus, the simple Aum Banjawarn field laboratory could easily handle analysis to determine the $^{238}\text{U}/^{235}\text{U}$ ratios of the local uranium

ore samples. Any changes in these ratios would demonstrate the Russian claims about the transmutation of radioactive warhead material. Such a scenario appears more plausible than the impossibility of the Aum attempting to extract ²³⁵U from the Banjawarn ores in the field laboratory.

A second fireball was reportedly seen at Banjawarn that night, at 24.00 hours. It appeared to arc up from ground level, high over Banjawarn, before crashing to Earth inside the orange-red hemisphere structure. Was this a small test missile, with electronic navigation and a payload of uranium ore, designed to aid testing of this Tesla shield's ability to dud both electronic and radioactive nuclei?

AMERICAN EM WEAPONS TESTING SCENARIO

A third large fireball was seen over Banjawarn at 5.00 am by truck drivers in May or June of '93. It flew a nearly identical low-level nap-of-the-Earth trajectory and track to the first fireball of 28 May '93. It was similar in all respects, except we do not know if it made a Diesel-engine roaring noise in flight. Another low-level, large roaring fireball was observed by a dogger (dingo trapper) flying this same track from Laverton to Banjawarn in about 1988-89. Other "Tesla shield" structures consisting of orange-red hemispheres and spheres were seen north of Banjawarn much earlier in the 1980s, and in late 1988-89 and during 1992.

This data suggests either that a very strange natural Earth EM system is operational in this region, or possibly that alien activity has been ongoing in this area for some time. Or perhaps a group other than the Japanese Aum has been utilising the area as its EM testing ground for some years.

Certainly I and several witnesses experienced odd effects just west of this area in 1988 whilst engaged in a gold exploration project. Three HF radio systems, a computer and three 4WD vehicles all suffered burnt-out electrical circuits at 11.00 am one morning. All of these systems were isolated from each other and spread apart by distances varying from 10 to 50 kilometres. At the time we joked about nuclear EMP blasts and UFOs (none seen!).

This electronics burn-out incident now looks like a strike from an OTHR EMP plasma wave system—such as is currently being deployed at Laverton, WA, Alice Springs, NT, and Longreach, Qld. Sold to the public as simply "Over-the-Horizon Radar" (OTHR) utilising HF hertzian waves, these systems actually have other, hidden effects. By utilising pulsed radar beams of high power, they can create and project a charged EM plasma via waveguide layers in the ionosphere. This can be triggered to create severe Earth-dielectric induced currents, causing electronic damage, human electrocution, and other collateral damage upon targets located thousands of miles distant—a modern on-off switch equivalent of a nuclear bomb EMP blast.

Over recent years the Laverton district has had a history of strange electrical events involving the burn-out of power station generators, overvoltage blow-out of power lines, interference on microwave telephone links, and radio receivers picking up powerful, sparking current-flow interference at specific times.

It is quite possible that Hayakawa and Aum were actually eavesdropping on someone else's EM weapons tests in this area. If so, the best source candidate is the "ex-US base" at the Exmouth Peninsula VLF/HF microwave transmitter site, located in northwestern Australia. This is where so many reported fireball flights appear to have originated. However, other fireballs have been seen to fly

towards this facility (due to Tx-reversed Tesla wave polarity?). The Banjawarn "fireballs" also appear to have been on course for Exmouth.

This Exmouth site also contains a large "mushroom farm" (HAARP clone) aerial system—believed to be a prototype experimental OTHR plasma weapon. Presumably this system has been carrying out propagation tests for several years across the outback to target sites located on Australian soil.

Hayakawa would still have needed to check for the Exmouth Tx ground-infolded Tesla ray-wave, and ordinary EM hertzian wave, signal strengths—in order to deduce which was the best sheep station area to purchase for eavesdropping on these presumably US-controlled tests. The Aum would probably still have wished to test the nuclear dudding ideas by sampling the local uranium ores in an attempt to study the effects of the local Tesla shield developments.

On a related note, there is evidence that in April 1993 the Japanese Mitsui Corporation sent a field crew into Australia to study "ground truth" geology obtained by their high-definition Earth Resources Satellite. (The images produced by this system appear to be of very high military-intelligence-resolution definition, rather than standard Earth resource exploration resolution.)

This Japanese team recruited the services of an Australian prospector to help them survive in the outback—and obtain stereo aerial photography over the Exmouth Tx site.

This request was queried by Canberra, but they allowed the sale of these photos when he notified Canberra that they were for oil exploration.

The prospector noted the Japanese team's interest not only in outback geology but in the Exmouth, Laverton, Alice Springs (Pine Gap) and Longreach OTHR Tx sites (planned or constructed).

It would appear that certain powers in Japan viewed these locations as dangerous and in need of urgent covert intelligence-gathering. They were most likely alerted to these OTHR systems by the Russian KGB.

This intelligence and spying scenario probably also explains the many lone Japanese motorcyclists who, from 1990 to the present, have been mapping the entire system of WA/NT outback bush tracks at 1:50,000 scale on Mitsui Corporation satellite imagery (searching for other hidden US-Australian defence bases?).

Similar reasoning could explain the strange Japanese "desert greening" research being conducted in the eastern Goldfields. Could this work be a cover for field instrumentation emplacement across the region for observing the Laverton OTHR EM weapon system and any Exmouth Tx field emissions? Remember Hayakawa's research at Osaka University in "Greening Technology", i.e., EM weapons?

US SURPRISE AT "GROUND ZERO" CALCULATIONS

The US Senate inquiry under Senator Sam Nunn sent my early 1995 Banjawarn fireball incident report to the Incorporated Research Institutions for Seismology (IRIS). IRIS is charged with developing US seismological methods and technology to search for violations of the United Nations nuclear test-ban treaty using chains of seismograph receivers located around the world.

IRIS has published a preliminary report by Gregory van der Vink

It is quite possible that Hayakawa and Aum were actually eavesdropping on someone else's EM weapons tests in this area.

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THE SECRETS OF CHARGED BARRIER TECHNOLOGY

by Bill Fogal ©1997

The Fogal Semiconductor

We are only bound by the limits of our own imagination. We perceive what we cannot see. We feel what we cannot hear. We strive for perfection in our thought models, but we seem to forget that sometimes it is the imperfection in nature that can help make things work.

This paper covers a new way of thinking in solid state physics. Now, one seeks to utilise and tame pure energy flow rather than just broadly dissipate the collected energy by means of electron current flow. This paper also looks at some of the ideas and theories that make up our world.

The Fogal Semiconductor, which is an experimentally demonstrated device, may force us to ask some unique questions about conventional electromagnetic (EM) theories, and wonder, "Do things really work that way? Could they work differently after all?"

I particularly caution the reader against simply assuming normal EM theory, either classical or quantal, as having the 'final answer'. The topology of these models has been severely and arbitrarily reduced. If one looks at circuits in a higher topology algebra, many operations are possible, though excluded from present tensor analysis.

Flowing Energy Fields

Have you ever taken two magnets and held one magnet in each hand with the magnets facing each other with the same poles? As you bring the magnets close to each other, you can feel the repulsion and the build-up of the 'energy field' as the magnets begin to push your hands away from each other. Each of the magnetic poles is pouring forth hidden energy that acts upon the other pole, producing the force that you feel.

That energy is continuously flowing from the magnets and fills the entire space around them, literally to the ends of the universe.

The electron also has such a flowing energy field, and electrons will react just like the magnets under certain conditions. When two like charges approach each other, their

streams of energy impact one upon the other, producing (i) excess pile-up of energy on the electrons, and (ii) mutual repulsion.

However, unlike the magnets, the electrons are usually notoriously free to move. So, free electrons will rapidly move away from the site of repelling charges.

As electrons mutually repel each other and move away, they also drain away the collected portion of their excess energy field in the process.

Now if we could only collect and use the energy from the flowing energy field directly, further down the circuit, and not move the repelling electrons themselves! In that case, our constrained electrons would continue to be an inexhaustible *source* of that energy flow, and we could collect and use the excess energy from them without draining away the source by allowing electron current flow from it.

And there'd be another great advantage. We would also rid ourselves of most of the electron collision noise that is created in the lattice by the longitudinal movement of the electrons as ordinary current. In other words, we could simply use the direct energy flow changes, caused by our signal modulations, without adding lots of little unwanted and spurious field changes due to those electron collisions. This notion is simple: use field energy flow to bypass the blocked electron flow, and you bypass much of the noise in the intervening transmission line and associated circuits.

New Areas in Solid State Physics

To comprehend fully some of the content of this paper, a fairly extensive knowledge of quantum solid-state physics is helpful. Even then, using the tantalum electrolytic capacitive material to form and sustain spin density waves at room temperature, and forming an EM field by moving and overlapping the energy states of compressed electrons, appear to be new areas in solid state physics.

This paper will also explain why the AC Josephson tunnel junction effect can be developed at room temperature in the Charged Barrier device, and how and why the AC supercurrent can also be developed at room temperature.

Basic Design Configuration

The simplified schematic of the hybrid Charged Barrier semiconductor is shown in Figure 1. The device has an electrolytic capacitor and a parallel resistor attached to the emitter junction of a bipolar transistor. Such a circuit configuration has been known in textbook theory as a bypass element, and the capacitor in the circuit configuration will react to frequency to lower the emitter resistance and create gain.

However, there is one interesting point to consider. I have been granted two US patents on the same circuit configuration, using an electrolytic capacitor to form a unitary structure. Under certain conditions, electrolytic capacitors react differently in this type of circuit configuration than in a standard non-electrolytic bypass capacitor.

I use the electrolytic capacitor to create a unique electromagnetic field. The parallel resistor is used to 'bleed off' excess charge potential from the plate of the capacitor to generate the electromagnetic field. It also performs another function that I will detail later. The exact values of the capacitive element and resistive element are not listed at this time.

Capacitor Complexities

In theory, a simple capacitor will pass an AC signal and voltage and block a DC voltage from crossing the plate area. However, a physical capacitor is not necessarily simple; instead, it is a complicated system having many internal functions.

An electrolytic capacitor will pass an AC signal and voltage, and also hold a DC charge—with its accompanying DC poten-



Fig. 1: Schematic for Fogal Charged Barrier Device

tial—on the plate area of the capacitor. If an electrolytic capacitor can hold a DC charge potential on the plate area, then one can move small portions of that charge potential—and that charge—with the use of a parallel bleed-off resistor. This small bleed-off current and change of E-field will create a very small, associated magnetic field on the plate area of the capacitor.

Through experimentation it has been found that this very small electromagnetic field will oscillate at a very high frequency that is not detected under normal test conditions.

Conventional theory has shown that one needs to have a movement of the charge state to generate current to create a magnetic field. However, theory does not tell the exact amount of current needed to create the field.

Could the bleed-off effect from a parallel resistor element change enough of the charge state to sustain a very small EM field? The resistor element would have to have just the right specific value in order to bleed off just enough excess charge potential so that the charge state between the plate of the capacitive element and the resistor bleed-off would not reach a point of equilibrium (equalisation) between the charge states.

Scope Traces

At the point of charge, with no signal applied, and with a bias of the junction, the capacitive element will charge to the voltage potential of 250 mV DC at the emitter junction. The parallel resistor element will work to 'bleed off' excess charge from the capacitor plate area and try to reach a point of equalisation of the charge state. However, the associated field will oscillate at a frequency around 500 MHz and will not reach a point of total equalisation due to this high-frequency oscillation. In other words, equilibrium does not occur.

Formation of Electromagnetic Field

The formation of the electromagnetic field is shown in Figure 2, which is a photograph

from a Tektronix transistor curve tracer operating in the microamp region. A reading of the DC operating voltage of the emitter junction of the transistor will not show a change in the voltage potential due to the high-frequency oscillation of the electromagnetic field. At this point, the emitter electrons become trapped and pinned within the electromagnetic field of the capacitor. This pinning blocks current and dampens the amount of electron collision noise and heat due to electron interaction.

Charge Blocking

The photograph in Figure 3 is taken from the Tektronix transistor curve tracer operating in the microamp region. At the point of a small signal injection to the base region of the transistor, the effect of the AC carrier disruption to the internal DC emitter junction electromagnetic field can clearly be seen. This effect is caused by the overpotential of charge state and the compression of the pinned electron clusters within the DC-charged electromagnetic field developed by the capacitor.

At this point in device conduction, the parallel resistor element will try to equalise the field charge and align the pinned electron clusters in the charged field on the capacitor plate. The E-field will start to develop along with its associated Poynting energy density flow (S-flow).

Formation of AC Supercurrent

The photograph in Figure 4, taken from the Tektronix transistor curve tracer, shows the effect to "disruption and compression of the pinned electron clusters".

At this point in time in the semiconductor, the parallel resistor element can no longer handle the bleed-off of excess charge potential from the charged plate of the capacitor, due to the compression of electrons and the consequent rapid formation of an E-field. So there is a build-up of the Poynting energy density flow due to the change in electron

energy state and compression of charge clusters. A spin density wave will develop and increase within the tantalum capacitor.

Discharge of AC Supercurrent

The photograph in Figure 5, again taken from the Tektronix transistor curve tracer, shows almost the full development of the AC supercurrent, due to the Poynting energy density flow and the increased spin-density wave action of the tantalum capacitor. The development of the E-field is almost complete.

The emitter junction DC electromagnetic field is about to collapse and release the AC supercurrent as well as the flow of Poynting energy density.

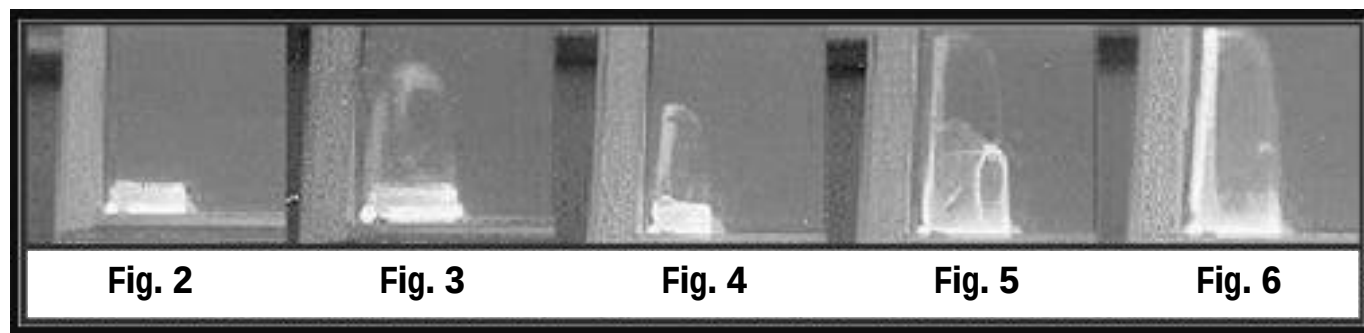
The AC supercurrent is too massive and the increased nature of the spin density wave of the tantalum element is too fast, due to the build-up of the E-field, for the bleed-off resistor to effectively regulate and shut down the action.

Poynting Energy Flow

Taken from the Tektronix transistor curve tracer, the photograph in Figure 6 shows the point of discharge and the Poynting energy density flow, the AC supercurrent, and the collapse of the DC-charged electromagnetic field due to the change of energy state on the plate of the tantalum capacitor.

Most of the device conduction is a Poynting energy density flow across the doped regions of the device's crystal lattice. With a dramatic decrease in electron collisions, the S-flow now is not subject to distortions due to the material defects within the lattice structure. Device switching times are far faster (at optical speed) and there are few, if any, limitations on frequency response.

The phenomenal frequency response—essentially, up to the optical region—follows, since the shortest frequency wavelengths can be passed directly as Poynting energy density flow. Without divergence or scattering of this energy flow, there is no "work" being done in the conventional sense on the non-



translating electrons in that region, even though they are potentialised. That is, electron transport has been halted temporarily or dramatically reduced, while the Poynting flow continues apace.

With most electrons not being translated longitudinally, there is no heat build-up in the device as there is with lattice vibration interactions with a normal electron current.

This device can work as a charge coupled device with the ability to pass both voltage and Poynting current flow, S , rather than conduction electron current flow, dq/dt .

Change of Energy State

Tantalum is one of the elements that is used in the construction of the Charged Barrier device, as well as the parallel resistor element. Under certain conditions, when stimulated with a very small electric current to align the charge state, the excess bleed-off effect due to the parallel resistor can move the charge state on the capacitor and develop a very small electromagnetic field. Electrons are 'held' and 'pinned' within this field to reduce electron lattice interaction within the emitter junction.

With the influence of the AC conduction electrons reacting with the pinned electrons within the charged field, a unique effect will start to happen: the clusters of bound electrons within the charged field are compressed to a point where there is a change of energy state within the compressed, bound electrons in the tantalum lattice. This will start the formation of the E-field due to the interaction of the compressed electron clusters with the influence of the AC conduction electrons.

Remember the magnets, when their like-poles were brought within close proximity to each other? An analogous action will start the formation of the AC supercurrent and the Poynting energy flow within the device.

Charged Barrier Fogal Engine

Putting together all the actions discussed,

we may compare the electromagnetic actions to the actions of a special kind of engine cycling, as shown in Figure 7.

Figure 7 shows four analogous actions involved in the Fogal Engine. Figure 7A shows the start of the 'down stroke', so to speak, of the Fogal emitter piston, and the formation of the DC electromagnetic field. Figure 7B shows the signal injection into the cylinder from the injector base region as the emitter piston pulls the signal into the chamber. Figure 7C shows the compression of electron density and the formation of the amplified E-field due to the charge compression, with a resulting expansion of the Poynting energy density flow. Figure 7D shows the point of discharge of the Poynting energy density flow, the resulting AC supercurrent, and the collapse of the DC electromagnetic field of the emitter piston.

Device Wave Function

Though not in conventional theory, signal waves actually travel in wave pairs, each pair containing the familiar wave and an associated 'hidden' antiwave.

The two waves of the pair have the same frequency. Current semiconductor technology cannot separate these wave pairs due to limitations in switching time. The Charged Barrier device can switch at a sufficiently fast rate to:

- (i) separate the wave pairs at the higher frequencies, and
- (ii) define the polarisation of light waves to show background imaging and enhanced video resolution.

A pre-recorded audio or video tape can be processed to reveal hidden sounds or background imaging that standard electronic equipment will not process. The device has been shown to process frequencies in the range from 20 Hz to 5 GHz and higher, with no loss in frequency response due to the ability of the device to separate and process wave pairs and also due to faster device-switching.

Some Foreseeable Applications

Prototype Charged Barrier devices have been tested in video equipment to process composite video images for a higher resolution. The device has the ability to process and separate the wave pairs and define the polarisation of light from background objects. This ability can produce a high-definition image on a CRT, and a near-holographic image on liquid crystal display (LCD) panels. The clarity of LCD panels can be greatly improved by the switching speed of the Charged Barrier technology, with the visual improvement sometimes being startling.

Encryption & Transmission Capability

A preliminary test was constructed in Huntsville, Alabama, in May 1996, to determine if video information could be infolded within a DC voltage potential and transmitted across a wired medium.

Live video information at 30 frames per second was processed and converted by full wave rectification into a DC potential at a voltage of 1.6 v DC and connected to a twisted-pair wire medium of 2,000 feet in length. As a voltage, the 5 MHz video information rectified to DC potential had no modulation or AC signal present that could be detected by sensitive signal-processing equipment.

The analog oscilloscopes that were used to monitor the transmission could only see the DC voltage flat line, although the best digital storage scope could see very weak signal residues because of slightly less than 100% filtering.

I later performed additional tests with increased filtering, so that the residues could not be seen. These tests were constructed to see if video information could be 'infolded' into an audio carrier and transmitted across an ELF frequency transmission source for communication with submarines, or down a 2,000-foot twisted wire pair.

The Charged Barrier device was able to process the hidden video, due to the ability of



the device to sense the infolded AC electromagnetic wave information hidden inside the rectified DC voltage—sensed as a disruption to the internal DC electromagnetic field of the Charged Barrier device.

I have since repeated the test with a better build-up to eliminate the very weak signal residues, and have found the effects are real and replicable. Use of the infolded EM waves in an ELF carrier for video frequency signalling is real.

A novel effect uncovered in the Huntsville tests was that, by adjusting the gain control of the receiving box containing the Charged Barrier device, the focused field of view of the fixed image could be varied, even though no adjustment at all was made in the video camera's stationary focusing. This showed that the 'internal information' in an image actually contains everything needed to scan a fixed volume of space, forward and backward in radial distance, in a focused manner.

The internal information seems to contain information on the entire volume of view of the camera. And it is possible to scan that volume from a seemingly 'fixed' image, where much of the image is out of the camera-focused field of view. The implications for photo analysis are obvious and profound.

Charged Barrier Device Applications

Existing radar technology can be refined and improved with the Charged Barrier device. One of the most complex problems in the industry is the noise content in signal processing. The Charged Barrier device can be used as a front-end, low-noise amplifier and can increase the sensitivity of the target signature scan capability.

Radar imaging could be greatly improved

simply by processing the return image with the Charged Barrier device for high-resolution CRTs and LCD panels.

Systems could also be improved for faster targeting and return echo due to the optical speed of the Charged Barrier device switching. By utilising the 'internal' information, it should be possible to develop improved imaging for sonar applications so there will be no gaps in the frequency spectrum.

The ability to get at and detect the hidden internal EM information of an object from its surface reflection is an innate capability of the Charged Barrier device that needs to be explored. It is already well known that the entire interior of a dielectric participates in the reflection of light from it, and that the information on the interior of the reflecting object is in the reflected image, but in the form of hidden EM variables.

Radar & Sonar Imaging Application

A new type of 'volume-viewing' radar system can be constructed with the Charged Barrier technology, that can scan the inner EM signal image produced over a given area or volume and sense disruptions within the Earth's magnetic field.

The movement through that volume of an object (such as a low-flying aircraft made of metal or epoxy resin skin design) can be detected and tracked, regardless of electronic countermeasures and atmospheric disruptions (such as tornadoes, hurricanes, or windshear due to microbursts), without the need for target echo return capability. The Charged Barrier device can sense and amplify very small disruptions to the internal electromagnetic fields and create an image for identification. The volume can be scanned, in focus, back and forth in distance.

For sound direction and distance sensing, the pinna (small folds) of the outer ear use phase reflection information more than 40 decibels below the primary sound signal that strikes the eardrum.

Any target's nonlinearities and defects, regardless of overall reflective angle and reflective sonar signals, also produce such minute, hidden, pinna phase

reflections and disturbances in:

- (i) sonar reflections,
- (ii) the Earth's magnetic field (and, in fact, in the electric field between the surface of the Earth and the electrosphere), and
- (iii) in the ocean, in the overall subsurface static potential formed by the conglomerate potentials of the hydrogen bonding, ionisations, etc.

These pinna signals are broadcast through the surrounding normal fields/potentials of the Earth, including underneath the ocean, although they are many dB below the normal field fluctuations whose gradients are detected by normal sensors. By detecting this 'internal' information, Charged Barrier detectors would be able to detect these hidden pinna signals and dramatically increase the information available to the sensor system.

Terrain-following cruise missiles, for example, could be detected, tracked and identified by this means, as could submarines, floating subsurface mines, etc. Field camouflage and decoying would be essentially useless against such sensors.

A New Revolution in Electronics

The Charged Barrier technology is an innovation which calls for using the energy flow in circuits that is already

- (i) extracted from the vacuum flux, and
- (ii) freely provided to the external circuit by the source dipoles.

It utilises an extended electromagnetics that includes a higher topology and a new, inner, 'hidden variable' EM. This 'inner EM' has been in the literature for nearly a hundred years—but ignored. The use of the Charged Barrier technology will expose many of the present shortcomings in EM theory and models, but it should also lead to a corrected, highly extended electromagnetics.

Now that you know the theory behind how this technology works, be aware that you still need the exact design parameters and component tolerances in order to duplicate the technology.

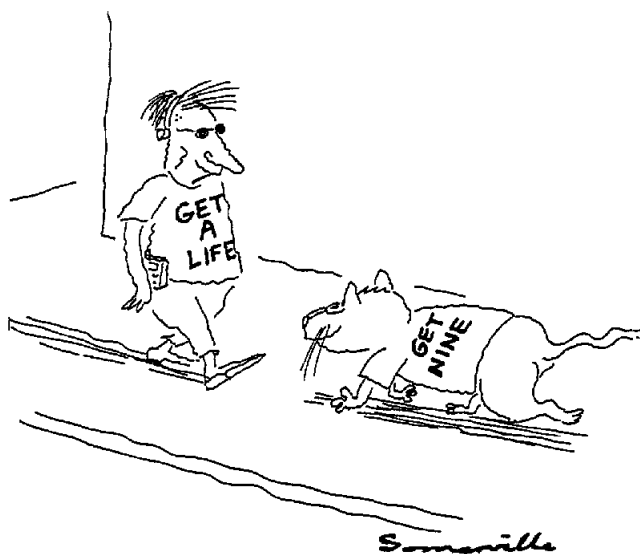
Let us hope that the Charged Barrier technology can receive the full scientific attention, testing and theoretical modelling that it deserves. With that attention and examination, I believe this technology will usher in a new revolution in electronics.

For further information, contact:

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Charged Barrier Technology

http://www.eskimo.com/~ghawk/fogal_device/



The Origin of Our Species: Evolution or Intervention?

*Are humans the
engineered
product of
flesh-and-blood
"gene genies"
rather than an
accident of
evolution?*

by Alan F. Alford ©1996

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INSIGHTS INTO MAN'S GENETIC INHERITANCE

Flesh-and-blood "gods" used genetic engineering to create mankind "in their own image" to be slaves. This amazing conclusion can be drawn from a literal interpretation of 5,000-year-old texts unearthed during the last 100 years by archaeologists in Mesopotamia. In this article I offer scientific evidence from these ancient texts that confirms this assertion, and suggest that the "gods" who created us may still be with us today, benefiting from genetic longevity. As incredible as it might seem at first, these "gods" may have been ruling the Earth for around 270,000 years.

More recently, during the last 13,000 years, it appears that individual gods have taken turns for "lordship" over the Earth according to a "star-clock" which divides the Earth's 25,920-year precessional cycle into 12 periods. The evidence for this star-clock still exists today at the enigmatic sites of Stonehenge in England and Machu Picchu in Peru. Analysis of the star-clock provides scientific grounds for believing that flesh-and-blood gods—our creators—are preparing for their imminent return amongst us.

CIVILISATION: A GIFT FROM "THE GODS"?

In recent years, new discoveries have challenged fundamentally our preconceptions regarding mankind's past. The paradigm shift which is currently underway is centred on Egypt, where the discovery of a secret doorway inside the Great Pyramid and the independent dating of the Sphinx to at least the era 10,500 BC to 8000 BC have captured the public's imagination. Less well known is the discovery that ultrasonic machining, a technology discovered only in the late 20th century, was most likely used to cut the ancient Egyptian granite.¹

These historical anomalies are not just confined to Egypt. All over the world we find sites—such as Stonehenge, Tiwanaku (Tiahuanaco), Nazca, Baalbek, and, now, underwater structures in Japan²—that do not fit the historical paradigm. At Baalbek in Lebanon, to name but one example, an ancient stone platform includes three 800-ton stones which have been placed in a wall at a height of 20 feet.

Such a construction would be difficult even for modern-day engineers with the very latest crane technology. In summary, a shadowy prehistory seems to exist as a legacy in the form of stone, maps and mythologies which our 20th century technology has only lately allowed us to recognise.

These historical anomalies have caused many writers to grasp at Atlantis. However, I believe that the advanced knowledge of the Egyptians, the Maya of Central America and many other ancient peoples can be traced back to the civilisation of Sumer which suddenly and mysteriously emerged 6,000 years ago. The Sumerians claimed that their culture was a gift not from Atlantis but from "the gods", and that these gods had created mankind. In view of the physical evidence, can we afford to dismiss the Sumerians' claims?

Many of us will find the concept of "gods" rather alien or meaningless, for we have been conditioned to believe in One God and disregard gods with a small "g" as idols, supernatural beings or manifestations of primitive mythology. These preconceptions are the legacy of 2,000 years of monotheism which has not only distorted the original meaning of the ancient texts but, more importantly, has veiled our ways of thinking.

Whilst the term "gods" is full of awkward connotations for us, the Sumerians did not suffer from such problems and regarded these gods as flesh-and-blood people who, due to their higher status and technology, ruled over mankind. They called them "the Anunnaki", meaning "those who came from the heavens to Earth".

NATURAL SELECTION vs 'DIVINE' INTERVENTION

The Sumerian claim that man was created by the Anunnaki gods clearly implies that we did not evolve by the Darwinian process of natural selection. Is there any scientific basis for such a controversial claim?

The evolutionist Stephen Jay Gould has indeed referred to the "awesome improbability of human evolution".³ Allow me to highlight the scale of these improbabilities. If we use an ape as the starting point, a significant number of big evolutionary jumps are necessary if it is to evolve into a man. Scientists agree that mutation is the mechanism by which natural selection works, but they also agree that the vast majority of mutations are bad. They also agree that the mutational mechanism must take a long time because mutations which produce big changes (macromutations) are particularly dangerous to the survival of a species. Furthermore, they say, if a positive mutation is going to take hold in a species it will do so only in the right circumstances, such as when a small population becomes isolated.

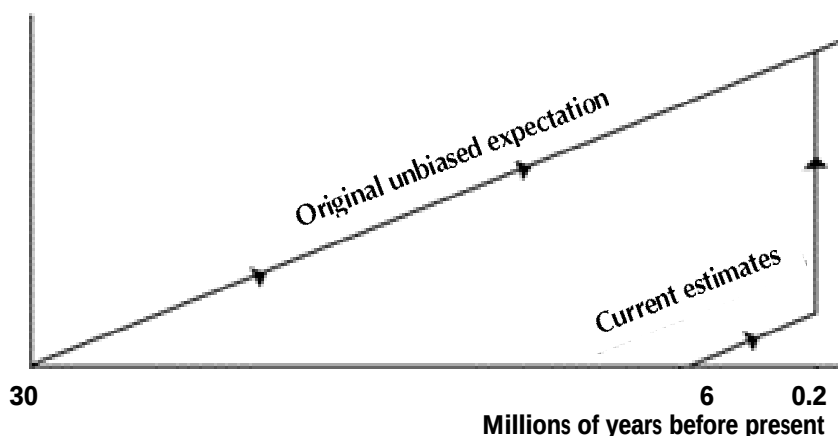
This combination of improbable factors, allied with the short period of six million years allowed for man's supposed evolution from the apes, has caused severe discomfort for some of our top evolutionary scientists and thinkers such as Roger Penrose and Noam Chomsky.⁴

Back in 1954 it was thought that the hominid line leading to mankind split from the apes 30 million years ago, and that we then proceeded to evolve gradually into our present form.⁵ That 30-million-year period sets an unbiased benchmark of how long evolution should possibly have taken. However, following the discovery that the split occurred only six million years ago, evolutionists have been forced to assume a much faster rate of evolution to explain our existence.

The other disconcerting discovery since 1954 is the shockingly slow evolutionary progress made by *Homo erectus* and his predecessors up to around 200,000 years ago. The evolutionary graph has thus changed from a nice straight line into an overnight explosion (Figure 1).

The great power of Darwinism, according to its proponents such as Richard Dawkins, is that, given enough time, natural selection can explain anything and everything. But when it comes to mankind, the lack of evolutionary time becomes a major problem. What are the odds against mankind benefiting from not one, but several macromutations in the course of only six million years?

Figure 1: Evolutionary graph



To illustrate the point further, the Darwinists often claim that we are remarkably similar to the chimpanzee since 98 per cent of our DNA is identical. I would like to turn this ratio around and ask how a mere two per cent genetic difference can account for so many 'value-added' features in mankind: the larger-sized brain, language and sexuality, to name but a few. Furthermore, it is a strange fact that *Homo sapiens* has only 46 chromosomes compared to 48 in chimpanzees and gorillas. The theory of natural selection has been unable to suggest how the fusing together of two chromosomes—a major structural change—should have come about in such a short time-scale.

How did the hominid known as *Homo erectus*, unchanged after 1.2 million years, suddenly transform itself 200,000 years ago into *Homo sapiens* with a 50 per cent increase in brain size together with language capability and a modern anatomy? One of the central principles of Darwinism is that "nature never overreaches a species beyond the needs of everyday existence".⁶ Where was the competitor that caused the brain of *Homo sapiens* to evolve to such an extreme level of size and complexity? What rival caused intellectual ability to be such an essential survival development? Who were we trying to outsmart?

One hundred years ago genetics was an unknown science, so it would have been ridiculous to suggest that the biblical idea of divine creation was actually a physical, genetic intervention. Nowadays, the intervention which is alluded to by the Sumerian texts cannot be dismissed so easily.

It is a fact that in the late 20th century we now possess the genetic capability to act as "gods" by creating life in a test tube. The highly focused change in two per cent of the human DNA, as just described, defies Darwinism but is highly suggestive of genetic intervention.

Furthermore, the possibility of our DNA being semi-extraterrestrial could help explain the many anomalous features of mankind which have been cited by supporters of the aquatic ape theory.⁷

The idea of a genetic enhancement by the Anunnaki gods (I have termed this "interventionism") provides an alternative to the conventional debate between Church and Science. Most importantly, it provides us with two scientific theories from which to choose.

In the past, evolutionists have forced their theory of natural selection to fit mankind simply because no other scientific theory seemed to exist. They were unable to consider genetic intervention for the reason that the science of genetics did not exist. Even now, their eyes and minds remain closed to the possibility of intervention due to the widespread prejudice which dismisses "the gods" as mythology.

THE 'IMMORTAL' SUMERIAN GODS

Why are the tales of the gods so routinely dismissed as mythology? One reason is because of the representations of the Hindu and Egyptian gods which combine human and animal features. However, these unreal zoomorphic images were designed to represent certain perceived attributes of real anthropomorphic gods from an earlier era.

If we travel back in time to the civilisation of Sumer where the people lived alongside their gods, then we find that the Anunnaki gods were indeed depicted as humanlike (Figure 2). The term "gods"

must therefore be understood as representing technologically advanced, flesh-and-blood people who created us "in their own image" and thus physically resemble us. If they passed among us today, we would not know it.

An even greater conceptual problem arises from consideration of the alleged immortality of the Anunnaki gods, and this is the area I concentrate upon in this article.

According to an ancient text known as the *Atra-Hasis*, the same god who created man also saved Noah from the Flood and was later worshipped by the Sumerian people in the period 3800-2000 BC. If this god, known as Ea or Enki, was truly the creator of *Homo sapiens* as claimed, then he must have been at least 180,000 years old in Sumerian times. It is not surprising that scholars have therefore rejected these claims as romanticised mythology.

The example just cited is typical of ancient texts which consistently attest to the immortality of the gods. But what if these gods only appeared to be immortal? What if their apparent immortality was actually an extended longevity?

With the benefit of hindsight, we do indeed find textual clues to suggest that the Anunnaki did suffer the effects of ageing over the very long term. Ninharsag, for instance, a goddess who assisted in the creation of man, was later known in Egypt as "the Cow"—an unflattering reference with definite ageing connotations. The Canaanite god El, meanwhile, was described in one ancient text as having a grey beard.

LONGEVITY: THE NEW GENETIC SCIENCE

What does modern science have to say on the question of extended longevity? Is it physically possible for a humanlike body to survive for thousands of years? Let us now review the latest findings from genetic science.

In the past we might have been forgiven for thinking that our bodies simply wore out through the stresses of everyday life. However, we now understand that ageing is genetically pre-programmed into the cells of the human body. When our cells divide, the splitting of one cell into two involves a duplicating of the genetic message (the human genome) which is carried on the 46 chromosomes in every human cell. But instead of an exact duplication, our genetic program is being gradually eroded by an imperfect copying process. When enough of these genetic errors (or mutations) have accumulated in our cells, the effects of ageing become visible.

Geneticist Steve Jones describes ageing as a "biological identity crisis" and explains that our bodies are working from "an imperfect instruction manual, full of printing errors".⁸ Professor Rajinder Sohal of the Southern Methodist University in Dallas, Texas, states that "after the age of 55 human beings go to hell very fast because the rate of deterioration doubles every six years".⁹ So serious is this escalation in the rate of genetic degradation that, by the time we reach 80, a critical one-third of our protein has been damaged.

In June 1995 it was announced that scientists had found a longevity gene that could prolong the life of microscopic earthworms by up to 65 per cent. A team led by Tom Johnson of the Institute for Behavioral Genetics at the University of Colorado discovered a gene, which they named "Age-1", that regulated the worms' ability to repair their cells. By experimenting with mutations of this gene, they found that one mutation caused a remarkable improvement in the worms' resistance to toxins, temperature fluctuations and ultraviolet radiation. The team believes that this major breakthrough represents the first step towards understanding how cells that degenerate in later life can be repaired. They hope that within the next decade the human equivalent of Age-1

will be understood, enabling human life to be prolonged by more than 40 years.

In December 1995 it was reported that Dr Barbara Bregman and teams from the University of Zürich and Georgetown University in Washington, DC, had also made another major breakthrough, hailed as "the holy grail of neurobiology". It had been thought that it was biologically impossible to regenerate the nerve cells in the brain and spinal cord (unlike other body tissues) once they were damaged. However, Bregman discovered that by using antibodies she could block the

action of inhibitor chemicals which prevented the nerve cells of rats from growing. In this way, she successfully managed to restore the growth potential which the rats' cells had when they were young. This discovery has enormous significance for human longevity since the human brain is one of our most critical systems. Curiously, cell divisions within our brains cease at a very early stage, followed by a long process of gradual cell deaths. This affects critical faculties such as hearing, sense of smell and memory.

The idea of a genetic enhancement by the Anunnaki gods (I have termed this "interventionism") provides an alternative to the conventional debate between Church and Science.



Figure 2: The gods Enki and Enlil (seated)

Meanwhile, a team of scientists in France, led by Dr François Schachter, has been studying an equally critical system: the human immune system. By means of a painstaking comparison of French centenarians' DNA to a control sample of the general population, Schachter has already found one gene, named "HLA-DR", which is far more prevalent in the centenarian group. The immune system, rather strangely, has the highest mutation rate of all body cells and is among the first to fail with age, leaving us susceptible to all manner of diseases. The combined deterioration of the immune system and the brain is central to the ageing process which ends in natural death.

Why is the genetic copying system so imperfect? It would seem that the problem lies partly in the air that we breathe. Doug Wallace, head of genetics at Emory University in Atlanta, USA, has spent 25 years studying minute organisms called mitochondria which exist inside every human cell. These mitochondria are the power plants of the cells, and thus of the body, synthesising oxygen (provided by our red blood cells) and other nutrients to provide energy for the cells' various functions. Wallace, along with many other eminent scientists, believes that excess "free radicals" cause corrosive damage to the cells.

Dr François Schachter's colleague Marie-Laure Muirais is one of many scientists who are studying ways to reduce the damage caused by free radicals. Muirais has found in the centenarian group a gene, named "PARP", which may be responsible for specifying the DNA repair process. If we could fully understand this genetic system, we could consider the creation of genes which specified a super-efficient maintenance system.

An alternative defence against ageing is to fend off the free radicals before they cause any damage. Professor Rajinder Sohal has injected fruit flies with genes which protect their cells against free-radical attack and has already successfully increased their life-spans by one third. Doug Wallace thinks it may be possible to overcome the effect of the free radicals by assembling a cocktail of chemicals to form a barrier around the cells.

Recent research has begun to provide clues as to the exact process of cell ageing. Scientists at the Geron Corporation, whose board of advisors includes James Watson (from the famous Watson and Crick partnership that discovered the structure of the DNA molecule), believe they may have discovered the biological clock, the mechanism that controls life and death in the cell. It is called a "telomere"—a repeating DNA sequence found at the tail of every chromosome and often compared to the protective plastic tip of a shoelace. Every time a cell divides and the DNA in the chromosome replicates, this tail grows a little shorter. In a baby it is about 20,000 'letters' long, whilst in a 60-year-old it is less than half this. When the telomere has been reduced to a certain point, the cell stops dividing and enters a stage called "senescence". At this point, the cells and their functions suffer an escalating amount of damage.

Scientists working for the Geron Corporation are quietly confident that it may be possible to influence the length of a telomere. This would be a dramatic development, with the possibility of preventing the vast majority of genetic copying errors arising in the first place as well as enabling the restoration of youth to already senescent cells.

If we can eliminate the effect of the free radicals, indefinitely extend the number of cell divisions and possibly even restore growth to nerve cells in the brain and spinal cord, what limits would there be to human life? Even if we were to suffer disfiguring accidents, new breakthroughs in tissue engineering could step in to repair and preserve our bodies.

In the words of Dr François Schachter, one of the most eminent scientists in the field, "There is no reason why we should not extend the maximum human life-span. We are very close to having the technology, and the pieces of the jigsaw are rapidly falling into place."¹⁰

LONGEVITY OF THE GODS

As we stand on the threshold of a huge breakthrough in the science of ageing, we have to ask ourselves whether the Anunnaki gods, who allegedly created us, were here before us.

There is evidence that our genes, the genes we inherited from the gods, evolved over a long and peaceful period—elsewhere. However, while the laws of natural selection would statistically favour the development of longevity genes, it is difficult to imagine that the gods *naturally* acquired life-spans of hundreds of thousands of years. The feasible solution to this puzzle could be that they artificially mutated their genes, using a form of gene therapy such as our own scientists are now researching. We are

thus at a point in history where we can begin to take seriously the textual evidence that the gods *appeared* to be immortal.

If the gods did live so long, what evidence would we expect to find? Fossilised remains, if they existed, would tell us nothing. The genetic code would also be mute unless we could march one of these super-beings into a laboratory (a most unlikely prospect). The only evidence of such longevity would therefore be textual records and cultural impact. This is exactly what we find.

A strange feature of the ancient Mesopotamian texts dealing with the affairs of the Anunnaki is their preoccupation with having offspring by a half-sister. Under the gods' rules of succession, the progeny of such an alliance became the legal heir in preference to the first-born son. This rule is recorded in the tale of the chief god Anu (who resided in "Heaven") and his two sons who descended to Earth. The first-born son, Enki, was displaced by the second-born son, Enlil, who was the offspring of Anu and his half-sister. Enlil thus preserved his father's genes through the male line far better than Enki. Such a practice seems strange to us because it verges on incest. Furthermore, it increases the risk of inheriting two copies of a harmful recessive gene. Why then were the gods not only unconcerned about inbreeding, but positively in favour of it?

The answer can only be that the genes of the Anunnaki were pure and contained no harmful imperfections. This might explain the rather strange meaning of the name of the Babylonian god Marduk (MAR.DUK, "Son of the Pure Mound"), possibly indicating the genetic purity of his father Enki. Detailed textual evidence consistently suggests that the gods were trying to avoid dilution of their artificially enhanced longevity genes.

Nevertheless, whatever genetic improvements the Anunnaki had made, they still experienced an inexorable state of deterioration. In addition to the examples cited earlier, my studies show

Detailed textual evidence consistently suggests that the gods were trying to avoid dilution of their artificially enhanced longevity genes.

that the elder gods Enlil and Enki entered a distinct retirement phase in mankind's more recent history. If this were the case, then we would expect to find evidence of further attempts to slow down the ageing process—steps above and beyond the original, artificial creation of the genes and their ancestral preservation through incest. We are talking here of a maintenance system, directly equivalent to the modern fight against free radicals. Once again, this is exactly what we find.

It has long been assumed that Egyptian depictions of gods being served with cups (contents unknown) symbolised their immortality. The ancient artist would hardly bother to commemorate the event if it were not important.

The symbolic importance of the cup of immortality is also evident from numerous Mesopotamian tombs where archaeologists have found bodies lying with the hand holding a cup to the mouth, as if the dead were about to drink. These burials included various other accoutrements for day-to-day life, implying an association of the cup with eternal life in the hereafter. The cultural comparison with Egypt hardly requires elaboration.

Does the ancient Egyptian association of gods and cups represent an eyewitness account of the gods consuming anti-ageing substances?

Such observation may have occurred not necessarily in Egypt but in nearby Mesopotamia, where the kings and high priests lived alongside their gods.

One source of this esoteric knowledge may have been the Sumerian king, Gilgamesh. Tablet X of *The Epic of Gilgamesh* describes his journey to the land of the Anunnaki, where he meets Noah (Ziusudra, or Utnapishtim). In Tablet XI, Noah relates to Gilgamesh the story of the Flood, and then gives to the departing hero a plant called "the old man becomes young":

*Gilgamesh, I will reveal unto thee
a hidden thing,
namely, a secret of the gods I will tell thee:
there is a plant like a thorn...
Like a rose its thorns will prick thy hands.
If thy hands will obtain that plant, thou wilt find new life.*

Another Sumerian text, dealing with the tale of Adapa—a "model man" created by Ea/Enki—describes his trip to Nibiru, the planet of the gods. Here we find references to "the water of life" and "the bread of life". Finally, there is the biblical Garden of Eden with its "tree of life" which offered potential immortality to Adam and Eve. From a genetic perspective all of these substances, including the "fruit" in the Garden of Eden, could have been anti-ageing drugs which protected the cells against damage by free radicals.

THE MEANING OF EDEN

The biblical tale of Adam and Eve is nowadays regarded as pure myth, but three clues suggest that it might reflect a highly embellished account of a real event.

The first clue is the presence of the serpent—a well-known symbol for the ancient Egyptian gods and particularly Enki himself, the genetic engineer who allegedly created mankind.

The second clue is the acquisition by Adam and Eve of sexual knowledge. Ancient texts such as the *Atra-Hasis* suggest that the first man, referred to as the LU.LU, was a hybrid mixture of Anunnaki and *Homo erectus*, and that further men and women were then cloned in order to relieve the toil of the gods and goddesses.¹¹ As we shall soon see, these events preceded the Garden of Eden incident. Since virtually all hybrids are born sterile, the ability to procreate, which was bestowed on mankind in the Garden of Eden, becomes highly significant.

The third clue is the meaning of Eden, which is certainly derived from the Sumerian term E.DIN. Since DIN was an abbreviated form of DIN.GIR, meaning "the gods", there is little doubt that Eden meant "the abode of the gods". According to my studies, we would indeed expect there to be more than one abode of the gods, for the Earth was divided geographically between the two rival brothers Enlil and Enki and their respective descendants. Whilst the Enkiites inhabited the African continent (known as "Abzu" or "the lower world"), the Enlilites occupied Asia and particularly the fertile lands of Mesopotamia. We are thus dealing with a western Eden and an eastern Eden.

There is a strong suggestion in the Old Testament that man already existed when he was placed by God in the Garden of Eden.¹² A text, *The Myth of the Pickaxe*, named by Professor Samuel Kramer, confirms this and suggests that the Lord God was Enlil who travelled to Africa and seized the LU.LU slaves by force:

*The Lord called forth the AL.ANI,
gave its orders.
He set the earth-splitter as a crown
upon its head,
and drove it into the Place-Where-
Flesh-Sprouted-Forth.
In the hole was a head of a man;
from the ground, people were
breaking through towards Enlil.
He eyed the Black-headed Ones in
steadfast fashion.*

In other texts, the "Place-Where-Flesh-Sprouted-Forth" was referred to as "Bit Shimti"—the "house" of Shimti. The Sumerian syllables SHI.IM.TI literally translate as "breath-wind-life". Bit Shimti was thus the "house where the wind of life was breathed in". The wording is directly comparable to Genesis 2:7, where the Lord God formed man and "breathed into his nostrils the breath of life".

It would thus seem that man was originally formed by Enki in the western Eden of Africa (in accordance with "out of Africa" scientific evidence) and was subsequently seized by Enlil and placed in Mesopotamia to relieve the gods' toil in that region.

The reason for the expulsion of Adam and Eve from Eden now becomes clear. Until that time, men formed a controlled population which was used for slave labour, and longevity would thus have been a useful trait. However, once Adam and Eve were given the ability to procreate, it was essential to bar access to the "tree of life" by which they might live forever—otherwise there would have been an uncontrollable population explosion.

LONGEVITY OF MAN

If man was made in the genetic image of the Anunnaki who lived more than 200,000 years, then did man, too, originally have

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population explosion.**

a longer life-span? Given the scenario which I have outlined so far, this would make sense. The Old Testament suggests that this was indeed the case, with Adam living 930 years. The Sumerian Kings Lists go even further, listing reigns lasting thousands of years (although some of these "kings" may well have been gods). It almost goes without saying that both of these sources of data have been traditionally disregarded due to their perceived impossibility. However, with the insight gained from modern genetics, we can now study this data scientifically.

The first thing that strikes us about the longevity recorded in the Bible is that the data must be significantly understated. The Old Testament carefully preserves the ancestral line of Adam through to Noah in its records of the ages at which each father begot a son. These years, including allowance for Noah's age at the time of the Flood, add up to 1,656, suggesting that mankind was created 1,656 years before the Flood. In addition, the Bible similarly records the ancestral line after the Flood from Noah to Abraham, amounting to a period of 292 years.

Whether we use 2123 BC for the date of Abraham's birth or any other commonly accepted date, these numbers simply do not stack up, for they suggest that the Flood took place in 2415 BC and man was created in 4071 BC. The scientific evidence of advanced civilisation in 3800 BC and *Homo sapiens* 200,000 years ago—in addition to the lack of any archaeological evidence of a Flood circa 4000 BC—suggests that the biblical data is fundamentally understated.

It seems to me that the biblical editors, lacking the knowledge of genetic science, were uncomfortable with the original life-spans from which they drew the biblical data. In my recently published book, *Gods of the New Millennium*, I have reconstructed the patriarchal life-spans by reversing the earlier editorial divisions. It is my conclusion that the pre-Flood life-spans were divided by a convenient factor of 100. Thus, Adam lived for 93,000 years.

MATHEMATICAL PROOF OF MAN'S LONGEVITY

Amazingly, it is possible to offer a chronological proof of my longevity theory, based on ancient texts which date the arrival of the Anunnaki and the creation of mankind relative to the Flood. The date of the arrival of the gods is given by the mysterious verse in Genesis 6, in which the Lord says:

My spirit will not contend with man for ever, for he is mortal; his days will be a hundred and twenty years.

This statement is made by the Lord shortly before the Flood and in the context of wishing to destroy mankind utterly. According to the Book of Genesis, Noah then proceeded to live for 950 years rather than the supposedly allotted 120. If, however, the original verse is translated literally, we find the past tense being used rather than the future tense. Thus, "his days were a hundred and twenty years".

In 1976, Zecharia Sitchin concluded that this count of "years" meant "periods" and should be applied not to mankind but to the deity.¹³ The Bible was thus recording the periods that the Lord had been on Earth. As for the date of mankind's creation, this is supplied by an Akkadian text, entitled "When the Gods like Men Bore the Work". This text states that the creation of man was pre-

ceded by 40 periods of suffering by the rank-and-file gods:

*For 10 periods they suffered the toil;
for 20 periods they suffered the toil;
for 30 periods they suffered the toil;
for 40 periods they suffered the toil.*

It was then, after these 40 periods, that the rank-and-file gods staged a rebellion which ended with an ingenious solution. The god Enki offered to genetically-engineer a slave worker to relieve the toil of the rank-and-file gods.

The above "40 periods", combined with the biblical "120 periods", provide the basis of a chronology for dating the creation of *Homo sapiens* to approximately 80 periods before the Flood.

But how long were these "periods"? Zecharia Sitchin concluded that the period was 3,600 years, based on a sacred number of the Sumerians. He was attracted to this possibility by Babylonian texts which listed various kings ruling for a total of 432,000 years (120 "sars" of 3,600 years each) before the Flood. Using a Flood date of 11,000 BC, Sitchin thus dated the arrival of the gods to 443,000 BC and the creation of man to 299,000 BC.¹⁴

But did Zecharia Sitchin get it right? The Babylonian data is in fact contradicted by a much earlier and more reliable Sumerian Kings List which listed only 67 sars before the Flood, not 120.¹⁵ I

have invested considerable time trying to prove Sitchin's chronology, based on a sar of 3,600 years, but have concluded that it cannot be reconciled with any degree of certainty. On the contrary, I have achieved an amazing reconciliation to both the Old Testament and the Sumerian Kings List using an alternative sar of 2,160 years.

This new chronology was prompted by a simple but stunning mathematical breakthrough relating to the Sumerian mathematical system. Unlike our decimal numbering system which uses units rising by a factor of 10 each time, the Sumerian system was sexagesimal or quasi base 60. The units of this, the world's first mathematical system, rather strangely alternated by factors of 10, then 6, then 10 and so on. The place-digits thus ascended as follows: 1, 10, 60, 600, 3,600, 36,000, 216,000, 2,160,000, 12,960,000. The last number, which was highly symbolic to the Sumerians, represented exactly 500 times 25,920 years, the latter period representing the precessional cycle which is caused by the Earth's wobble. The preceding units represented 100 and 1,000 multiplied by the preceeding period of 2,160 years (25,920 divided by the sacred number 12). The number 2,160 thus played an equally important role to the number 3,600.

Many scientists have been mystified by the astronomical knowledge encoded in the Sumerian mathematical system. But here is something equally amazing. If we write the precessional number 2,160 in quasi base 60 Sumerian numerals, it appears as follows:

UNITS:	3,600	600	60	10	1			
	N/A	3	-	6	-	0	-	0

Continued on page 89



ANCIENT AVIATION?

In 1989, psychologist Dr Ruth Hover travelled to the temples and pyramids of Egypt. In the temple at Abydos, which supposedly dates to the time of Seti I, she photographed a beam where an overlaying panel bearing Egyptian hieroglyphs had crumbled and fallen away, revealing an older panel beneath it. The beam is set up high between two huge columns, about 20 feet off the floor by some estimates.

This older panel (below) contains carvings which many consider not to be of typical Egyptian style or origin. Many of the

depicted figures closely resemble modern-day military aircraft, and one has an uncanny similarity to the Apache attack helicopter.

From what we can gather, the Egyptian Government authorities have no comment on the claims. According to several reports, access to this area of the temple site has been cut off to visitors.

Modern aeroplanes, a helicopter, maybe an airship and a shuttle in Egyptian art? An ancient *Jane's* aviation catalogue?

A small model of a glider, estimated to be at least 4,000 years old, was found in

1898 in a tomb at Saqqara, and is now in the Cairo Museum. Its body is just over six inches long, and wingspan just over seven inches. Made of lightweight sycamore wood, the model reportedly could glide a short distance when thrown by hand.

Other model aircraft have been found in Egypt (dating to the third or fourth centuries BC) as well as in South America.

(Sources: Various, inc. *Ancient Skies*, Nov-Dec 1994. To check developments, we suggest you start at the following web site: http://www.in-search-of.com/frames/hamilton/ancientaircraft_nf.shtml)



1997 CROP CIRCLES: A UK SAMPLING

A 100-foot-diameter formation appeared in an oilseed rape field near Stretall in Essex during Thursday/Friday morning 2 May.

Photograph by Steve Alexander ©1997

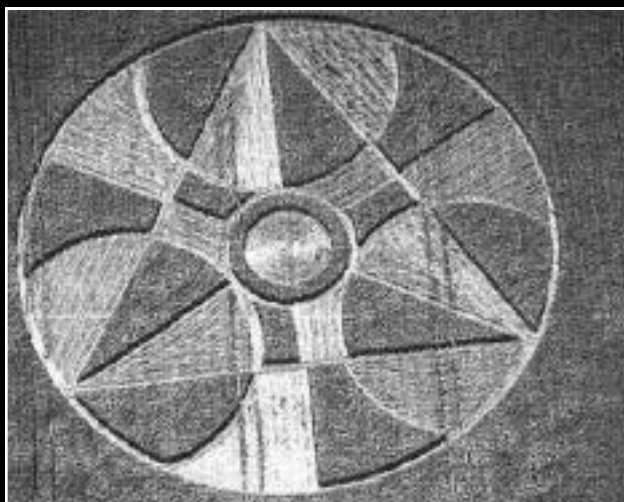


For the full picture (in colour) visit
www.marque.demon.co.uk/connector/1997.html

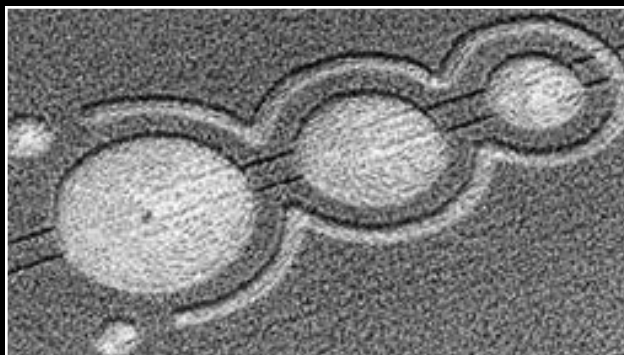
A 500-foot-long, hexagon-shaped formation was discovered in a barley field near Stonehenge on Monday 9 June by a local.
Photograph by Steve Alexander ©1997



A 160-foot-diameter, swirl-shaped formation was discovered in an oilseed rape field near Barbury Castle on Sunday 20 April.
Photograph by Lucy Pringle ©1997



A 150-foot-diameter formation was discovered in a barley field near Avebury on Sunday 1 June.
Photograph by Steve Alexander ©1997



A formation found near Eastleigh in Hampshire, first reported on Friday 4 July.
Photograph by Lucy Pringle ©1997

BACK-ENGINEERING ALIEN TECHNOLOGY

by Richard Boylan, Ph.D.

On the evening of 24 June 1997, on the *Nightline* program, Lt Colonel Philip J. Corso, US Army (Retired), contradicted the US Air Force's claims that aliens did *not* crash near Roswell in 1947.

Colonel Corso is a credible source because he was a Pentagon insider who claims he actually *saw* the alien bodies from a UFO crash near Roswell. More incredibly, he claims to have administered the distribution of alien technology to US companies who went on to develop devices such as the integrated circuit.

In late June 1997 Corso made public some startling revelations from his new book, *The Day After Roswell*, in an interview on NBC's *Dateline*.

Colonel Corso has an interesting military background. He was an intelligence officer on General Douglas MacArthur's staff during the Korean War and a member of President Eisenhower's National Security Council. He served as head of Foreign Technology in Army Research and Development at the Pentagon in the early 1960s, where he was in charge of the Roswell files and the cache of UFO parts and information which "an Army retrieval team...pulled out of the wreckage of a flying disc that had crashed outside the town of Roswell in the New Mexico desert in the early-morning darkness during the first week of July 1947". He retired from the Army in 1963 with 19 medals and ribbons; then served as national security specialist staff to US senators James Eastland and Strom Thurmond.

Colonel Corso tells that in July 1947 five extraterrestrials were found at a UFO crash site near Roswell. Two of them were still alive. The aliens were 4½ feet tall with greyish-brown skin, four-fingered hands and oversized, hairless head. One of the two survivors tried to run away and was shot by nervous soldiers. The other was still alive but dying when he arrived in the back of an Army truck at Roswell Army Air Field.

Corso was Post Duty Officer at Fort Riley, Kansas, on the night a shipment of Roswell artefacts arrived from Fort Bliss. Colonel Corso examined the shipment, which included one of the dead extraterrestrials preserved in a thick light-blue liquid. The shipment was destined for what is now

called Wright-Patterson Air Force Base, in Ohio. Corso speaks about serving in President Eisenhower's National Security Council, and seeing the memos about the Roswell incident and the "goods" retrieved from it.

The Colonel divulges how he spearheaded the Army's super-secret reverse-engineering project that "seeded" extraterrestrial technology at American corporations such as IBM, Hughes Aircraft, Bell Labs and Dow Corning—without their knowledge. He describes the devices found aboard the Roswell craft, and how they became the precursors for today's integrated circuit chips, fibre optics, lasers, night-vision equipment, super-tenacity fibres (such as Kevlar plastic armour), and classified discoveries such as psychotronic devices that can translate human thoughts into signals that control machinery, Stealth aircraft technology and "Star Wars" particle-beam devices.

He also discusses the role that extraterrestrial technology played in shaping geopolitical policy and events; in helping the United States surpass the Russians in space; in spurring elaborate military initiatives such as Strategic Defense Initiative (SDI) Star Wars projects, Project *Horizon* (to place a military base on the Moon), and HAARP; and ultimately in bringing about the end of the Cold War.

Colonel Corso also said that captured UFOs were/are kept at Norton, Edwards and Nellis (Area 51) Air Force bases. He said a UFO Working Group, that some call "MJ-12", was set up by President Truman in September 1947 and has been functioning ever since.

In the 1950s, he said, two prototypes of antigravity craft were constructed. Powered by crude human nuclear fission generators, they were inefficient and leaked radiation. He says that the Star Wars program was always primarily to prepare for war against the extraterrestrials in case of invasion.

(The following is an extract from an interview with

Retired Colonel Philip Corso by Michael Lindemann, as published in CNI News, vol. 3, no. 9, Part 2, 10 July 1997. Contact CNInews1@aol.com

ML: There have been rumours and speculations that Roswell, and what came from Roswell—the way we exploited Roswell technology—might not have been the very first time such a thing happened. There have even been indications or speculations that the Nazis had done such a thing, that some of their extraordinary technological developments may have come from a similar source. What do you think about that?

PC: Yes. True. I had German scientists on my team. I discussed this with them. I discussed this with Oberth and von Braun. I was part of Project *Paperclip* with General Trudeau... The Germans were working on it. They didn't solve the propulsion system. They did a lot of experiments on flying saucers. They had one that went up 12,000 feet. But where all, we and they, missed out was on the guidance system. In R&D we began to realise that this being was part of the guidance system, part of the apparatus himself—or itself, because it had no sexual organs. This is where most people missed out.

ML: Do you think, then, that if we are going to develop a way of interstellar travel, we will have to develop a similar relationship to our spacecraft?

PC: Man can't travel in space today. Those clones were created to travel in space, specifically. They can travel in space. Our muscles, our bones, our brain, can't take space travel, even today. We can't do it.



THE TWILIGHT ZONE

ML: We can do it to some extent.

PC: Well, when they go to *Mir*, they stay up there two or three months, and when they come off they have to be carried off. Their bones won't hold up. If they stayed a little longer, they'll never be able to walk. But the big thing that is not talked about is that the brain is affected up there.

ML: How is that?

PC: Gravity, radiation—it comes right through that ship. Look at Senator [John] Glenn. He saw "fireflies" coming through his capsule. They weren't fireflies, they were some kind of electromagnetic thing that came through there. Those [alien] beings are created specifically to travel in space...)

A further glimpse into the military's secretive obsession with UFO technology is provided by Colonel Steve Wilson, US Air Force (Retired), former head of Project *Pounce*—an elite Air Force/National Reconnaissance Office (NRO) Special Forces unit which retrieves downed UFOs.

Colonel Wilson reports that "...the first successful US antigravity flight took place on 18 July 1971 at S-4, "Dreamland" [Area 51], wherein light-bending capabilities were also demonstrated to obtain total invisibilities.

Present at this flight were notables such as Admiral [Bobbie Ray] Inman [former National Security Agency director], who is now head of SAIC [Science Applications International, Inc.] in San Diego, California, which makes the antigravity drives."

Colonel Wilson also reveals that the recent announcement by Lockheed about an unmanned, short-winged, electric-propulsion reconnaissance unit, named "Dark Star", was actually a "cover" project. The exotic technology being concealed is the *real* Dark Star, designated the X-22A and manufactured by the Lockheed Skunk Works at Helendale, California. This Dark Star is an operational, two-man, wingless antigravity craft.

I saw this UFO-copycat antigravity craft in test flight at Area 51 in 1992. In flight, its metallic airframe is obscured by an intense bluish-white light which pulsates off and on at about two-second intervals. During the phase where the intense light is off, the craft frame disappears from optical view (and *not* just because its light is off); then the craft reappears horizontally, several hundred yards distant, in the lit mode.

Does that mean that this craft travels by small jumps through hyperspace? Gravity does bend space-time.

The US also flies discs which glow an intense golden-orange colour during flight. They are made by Northrop Aerospace at their secret facility northeast of Lancaster, California, where I saw them test-flown in 1992.

Colonel Wilson says the military began publicly flying their enormous "black triangle" antigravity craft, back-engineered from extraterrestrial craft, on 3 January 1994.

Several sources state that the McDonnell-Douglas, Lockheed-Martin and Northrop antigravity plants are connected underground—by a superfast tunnel shuttle

system—to Area 51 and other sensitive underground installations. Colonel Wilson says that the system, where magnetically levitated trains zip through almost-vacuum tubes, is called TAUSS—Trans-America Underground Subway System. The tunnels are excavated by nuclear subterrenes which can burn through rock, creating six miles of tunnel per day.

The Colonel also furnishes the answer to the mysterious black helicopters spotted around so-called cattle mutilation sites. These aren't your ordinary helicopters, but yet another US antigravity craft, designated the XH-75D or XH *Shark*, made by Teledyne Ryan Aeronautical Corporation of San Diego. He says that many of these XH-75Ds have been assigned to the Delta Force-NRO division which retrieves downed UFOs.

Finally, Colonel Wilson states that a super-secret mobile unit within Delta-NRO is deployed with "The Equalizer", an exotic-looking electromagnetic-pulse cannon, six feet long and one foot in diameter, mounted on a pedestal on the back of a military truck. It is reportedly used to shoot down UFOs using low-frequency pulsed microwave energy. The Equalizer is built by LTV, Ling-Temco-Vought, at Anaheim, California.

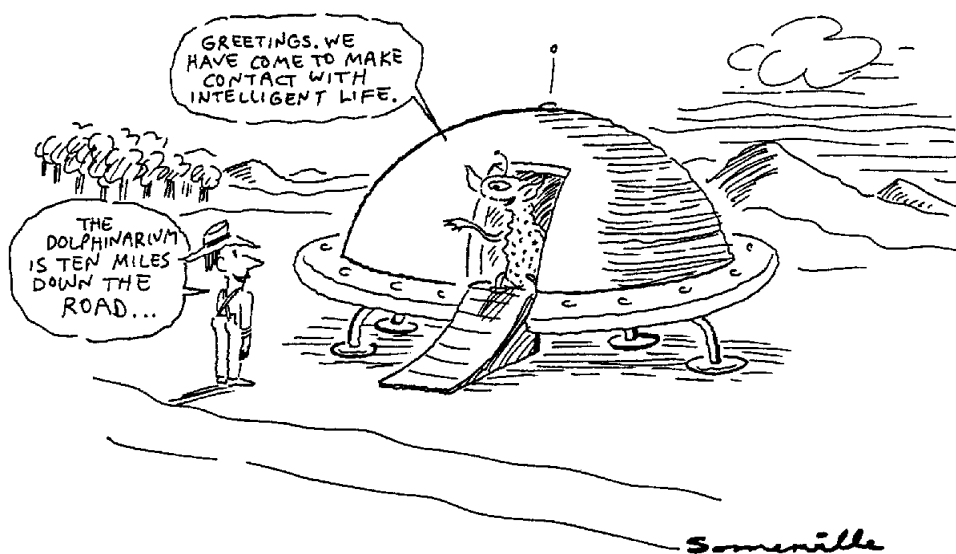
Pursuit of antigravity technology is international. Russia is reported to have its own antigravity vehicles. Paul Stonehill, a respected investigator of Russian ufology, reports that in April 1988 the Russians started using space-time-bending antigravity technology for time travel!

In June 1997 a Washington, DC-area intelligence "cut-out" (who has been quite reliable) passed on information that China has now acquired antigravity technology.

In addition, a world-class UFO/ET research professional has provided me with information that a renegade group in Japan also possesses antigravity technology.

He suggests that the possession of such extreme technology (which, besides ultrafast deployment, also involves radar and optical invisibility and, potentially, time travel capabilities), by a sometimes hostile Asian superpower, is destabilising the West's military edge.

(Source: Richard Boylan, Ph.D., website: www.ufonetwork.com/boylan/)



— THE ROSWELL INCIDENT — Fragments of Evidence

**Analysis of
metal pieces,
supposedly
retrieved from a
UFO crash near
Roswell,
confirms that
their purity and
composition are
unknown to
modern science.**

by Linda Moulton Howe ©1997

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SURPRISING STATEMENTS FROM AN ANONYMOUS SOURCE

I have been reporting news about science, the environment and unexplained phenomena on the nationally syndicated radio program, "Dreamland with Art Bell", since 1993. In the spring of 1996, host Art Bell received a letter, dated 10 April 1996, with a South Carolina postmark, that was signed only "A Friend" [see Twilight Zone, NEXUS 3/04]. The letter began:

I've followed your broadcasts over the last year or so and have been considering whether or not to share with you and your listeners some information related to the Roswell UFO crash...

The writer did not give a specific UFO crash date or location and still has not provided those specific details as of January 1997, even though Bell and I have repeatedly asked on the air for those facts. Different testimonies about UFO crashes near Roswell in different locations and different time periods have now confused the story, so we do not know if the anonymous writer means the now-famous incident of the first week of July 1947 on the Foster Ranch between Corona and Roswell, or another incident.

One surprising detail from the South Carolina source was his statement that his grandfather kept a journal and had described the crashed vehicle as "wedge-shaped" like a piece of pie, not shaped like a round disc. However, in the letters we received from this source, he referred to a "disc" perhaps because "disc" is becoming a generic term for UFOs regardless of shape. (Note, too, that any inconsistencies in word capitalisations are reproduced exactly as the source wrote them.) The first letter continued thus:

My grandfather was a member of the Retrieval Team sent to the crash site just after the incident was reported. He died in 1974, but not before he had sat down with some of us and talked about the incident.

I am currently serving in the [United States] military and hold a security clearance and do not wish to 'go public' and risk losing my career and commission.

Nonetheless, I would like to briefly tell you what my own grandfather told me about Roswell. In fact, I enclose for your safekeeping 'samples' that were in the possession of my grandfather until he died, and which I have had since his own estate was settled. As I understand it, they came from the UFO debris and were among a large batch subsequently sent to Wright-Patterson AFB in Ohio from New Mexico...

ANALYSIS OF 'UFO' METAL SAMPLES

In the package were many metal pieces in a variety of sizes ranging from one-quarter-inch squares, to a ten-inch-long by one-and-a-half-inch-wide thin strip, to one round piece nearly three inches in diameter and covered with circular grooves. There was also a series of small, connected rectangular "vents" in which the slits alternated in opposite directions from one rectangle to another (see Plate 1).

Art Bell contacted me about how to study the metal pieces, and I in turn contacted a university professor who has become a research colleague. This professor has access to a scanning electron microscope and to energy and wavelength dispersive spectroscopic instruments which can precisely determine the elemental composition of metals and photograph structure down to fractions of microns. Those tests confirmed that the metal pieces were nearly pure aluminum (aluminium).

After I reported the energy dispersive spectroscopy (EDS) findings on the radio, we received a second letter (dated 22 April 1996) from the anonymous South Carolina source, further detailing the make-up of the retrieval team as "On-site", "In-House" and

"Security". The team members were listed as:

...individuals with backgrounds from the University of Colorado, Office of Naval Research, AAF/USAF & US Army, UCLA [University of California, Los Angeles], Atomic Energy Commission, National Advisory Committee on Aeronautics, and Office of Scientific Research and Development. Additionally, there were consultants from England, France and Russia involved. [Note: Army Air Force was splitting into Air Force and Army during the summer of 1947.]

The anonymous writer continued with his recollections of what his grandfather had told him:

Grandad stated their own analysis of the samples indicated it as pure extract aluminum as a conductor for the electro-magnetic fields created in the propulsion systems. However, critically needed data was 'eliminated' by the self-destruct mechanisms on the disc vehicle itself. Furthermore, the occupant-survivor of the crash refused to disclose technical information despite a series of interrogative attempts to extract technological data. No means could be found to secure the information.

There were always two Security Team members present at every face-to-face meeting with the survivor. The survivor had the ability to deduce thoughts and questions prior to them being asked. Sometimes it became frustrating.

The Disc itself was literally dissected, and it was discovered that the propulsion system had actually fused together the many interior components. There were control-type devices forged in the shape of the alien hand, which were assumed as controls and activation surfaces.

What is today fiber-optic technology was part and parcel of the alien technology within the control panels, albeit fused and melted when the self-destruct mechanism was activated. There were Westinghouse-affiliated persons on the Team and Grandad always thought some of them had gone back with the knowledge and incorporated it into the future research with the phone systems.



Plate 1: Metal pieces sent by anonymous South Carolina source with his first letter of 10 April 1996, allegedly from a wedge-shaped craft that crashed somewhere near Roswell, New Mexico in the 1940s. Specific date and location were not given. Metal analyses showed that the pieces were more than 99% pure aluminum and normal density. Photograph by Art Bell ©1996.

Of course the military was concerned as to the ability of the Aliens to enter our atmosphere at will, undetected, and thusly they recommended to the President that a Space Program be set into motion and that a system of satellites be placed into orbit by 1957, and this satellite system be patched into the then DEW Line system [Distant Early Warning radar stations at 70th parallel across North America] which became later NORAD [North American Radar Defense]. Grandad stated that it was his opinion that NORAD was formed not only to track possible ICBMs from hostile nations, but as an established detection system for UFO craft...

The reference to an alien "survivor" and "control-type devices forged in the shape of the alien hand" provoked me to wonder if this incident had something to do with the controversial "alien autopsy" film excerpted in England and United States television productions on 28 September 1995.

I continued to report interviews with Alcoa aluminum metals experts and others about the possibility that the aluminum pieces might be 'punch-outs' from terrestrial machining operations, or might have been punched out of actual non-terrestrial metallic sections of the alleged craft for scientific study. The Alcoa experts were not certain, but agreed that the purity of the aluminum was not typical of normal industrial aluminum machining.

TESTS ON MULTI-LAYERED METAL PIECES

Then, on 27 May 1996, a third letter together with another metals shipment was received by Art Bell. The entire letter reads as follows:

Dear Mr Bell,

I have listened with interest to the ongoing reports on the samples I sent your way. I noted that the Researcher [Linda Moulton Howe] discussing the testing of the samples noted that basically it is merely Aluminum. Slight variations on the testing, but indistinguishable from 'normal' Aluminum.

Actually this is precisely the same initial findings of Grandad's Team. However, I neglected to include metallic samples of the exterior of the crashed Roswell disc. I now include the enclosed, and can only say that these scrapings came from the exterior underside of the Disc itself. It literally was a 'shell-like' shielding of the Disc. Brittle and layered, almost with a pre-fabricated design and placing.

Keep in mind, Mr Bell, that these are the last of Grandad's samples. They have sat for years inside a closet with his personal effects.

Because of certain concerns, I will not be contacting you on this matter. Perhaps, I am a bit paranoid, but I do have a family & career to think about. I hope you understand. Hope these last samples are helpful. Of course, I will be listening.

A Friend

Art Bell immediately contacted me and said there were half a dozen pieces about two inches long, about an inch wide and averaging a quarter of an inch in thickness. One side of each piece was dark and the

other side was a shiny silver. I contacted the professor who agreed to analyse the new pieces, so Bell shipped two of the pieces to him, keeping the others in a safe-deposit box.

The first step by the professor was to photograph the metal pieces as they arrived at his lab. To give colour and size perspective, he put the dark side of one piece up on the left and the silver side of the other piece up on the right, both near a quarter coin, about an inch in diameter, for size comparison (see Plate 2).

On 8 June 1996 the university professor released his preliminary analyses of the metal pieces. He had examined a cut-and-polished cross-section with a scanning electron microscope to look at structure, and EDS to determine element composition. The professor wrote:

These were very different from the aluminum specimens received earlier. The material was in two main pieces, referred to as "skins".

Sample One was approximately six centimeters by three centimeters and about three to four millimeters in thickness. Sample Two was about five centimeters by two and a half centimeters and again three to four millimeters thickness. Sample One weighed 6.23 grams. Sample Two weighed 6.9 grams. The shape of each sample was quite irregular, and the thickness in each case varied in different areas. It is emphasized that these measurements are meant to provide only some notion of the general size of the specimens.

Each sample had a 'silvery', shiny side with a rough (granular) appearance. The other side was blackish-gray. Looking at the samples edge-on, numerous layers can be seen. The samples were hard but brittle, and a few small pieces could be broken off using a small hand vice and manual pressure. ...Energy dispersive spectroscopy (EDS) revealed that the shiny side contained more than 95% magnesium (Mg) and a small amount (2-3%) of zinc (Zn). The dark side contained a significant amount of bismuth (Bi).

...the material appears to represent layers of a substance consisting mainly of magnesium and a small amount of zinc separated by thin layers containing a high bismuth content.

On 23 July 1996 the professor released another more refined test report after applying Wavelength Dispersive Spectroscopy (WDS) to analyse the element composition of the metal skin. In his conclusion he wrote:

The WDS confirms more quantitatively the previous EDS measurements. The material corresponds to layers of Bi and Mg/Zn with the weight percent of the Zn varying slightly from about 2.4% to 2.9% between Bi layers. In addition, no zirconium (Zr) could be detected with the Mg/Zn area. (That search was because zirconium (Zr) is frequently found in Mg/Zn alloys.)

There were questions about the isotope ratios in the magnesium which the universi-

ty professor did not have the technical equipment to analyse. "Isotope" refers to the number of protons and neutrons in the nucleus of each atom. On Earth, magnesium (Mg) metal is made up of about 80% ^{24}Mg and about 10% each of ^{25}Mg (one additional neutron compared to ^{24}Mg) and ^{26}Mg (two additional neutrons compared to ^{24}Mg). If the metal were truly extraterrestrial in origin, one would wonder if anomalies might be detected at the magnesium isotope level that would prove the metal was highly strange.

For example, in 1957 a metal fragment allegedly from a UFO that exploded off Ubatuba near São Paulo, Brazil, was analysed by the Brazilian government in laboratory tests.

On 14 September 1957, eyewitnesses had seen a "flying disc" approach them at fantastic speed and pull up to avoid striking the water; then it exploded into thousands of fiery fragments which fell into the sea.

A number of pieces fell near the beach and some were recovered. A witness sent three small fragments in a letter to an investigator who eventually got them to the Mineral Production Laboratory, a division of the National Department of Mineral

Production in Brazil's Ministry of Agriculture.

The metal tested to be nearly 100% pure magnesium, entirely without the metallic trace elements characteristic of Earth-manufactured magnesium. Another strange result was that the metal was 6.7% heavier than ordinary pure magnesium.

Former NASA scientist Paul Hill, who later summarised the results of the lab analyses done on the Brazilian fragments, suspected that if there were more of the isotope ^{26}Mg , it could explain the density difference. In fact, his computations would explain the density anomaly if the metal was the pure isotope ^{26}Mg .

So I arranged to have a piece of the "skin" from the alleged

The metal tested to be nearly 100% pure magnesium, entirely without the metallic trace elements characteristic of Earth-manufactured magnesium.



Plate 2: Photograph of two metal pieces from second shipment by anonymous South Carolina source. Each piece had a dark side and a shiny silver side. On the left, the dark side is up; on the right, the silver side is up. An inch-diameter quarter coin was placed next to the pieces for size comparison. Photograph by university professor ©1996.

Roswell crash examined on 20 July 1996 at the Carnegie Institute in Washington, DC. A sophisticated ion microprobe instrument was used which could analyse magnesium isotopes.

It was the third confirmation that there were only three elements in the skin: bismuth, zinc and a bit more of the isotope ^{26}Mg than in the control sample of magnesium, but not outside normal terrestrial ranges for normal magnesium metals. The most striking anomaly was that the bismuth/magnesium layered material emitted 60 times more positive ions than the pure magnesium metal being used for standard comparison (see Plate 3). Ion microprobe analyst Erik Hauri wrote in his formal report:

The Bi-Mg sample gave count rates of Mg^+ ions which were enhanced sixty times more than [the Mg^+ ion count] in the pure Mg metal standard [used for control].

Hauri suggested three possible reasons for the difference. First, he explained that the zinc might act as a catalyst for magnesium ionisation. Second, that catalytic process might be enhanced if there were a distinctive arrangement in the Mg crystal structure which related to how the material was originally constructed. Third, if oxygen were somewhere in the sample it could enhance Mg ionisation. However, Hauri acknowledged that none of the ion microprobe spectra showed any oxygen.

By then I had reported on "Dreamland" that the unidentified metal pieces sent to us from the anonymous South Carolina source appeared to be made up of thin layers of nearly pure bismuth which alternated with thicker layers of nearly pure magnesium mixed with a little zinc. On the air, I asked if anyone listening had any information about the construction or function of such a material.

I have also contacted more than 50 people in the scientific and industrial community to see if I could find anyone who had worked with bismuth and magnesium/zinc and knew what the metals might do layered together in the alternating and varying micron thicknesses. But, to date, no one—ranging from the Director of Material Sciences at Massachusetts Institute of Technology (MIT) in Cambridge, Massachusetts, to metallurgists

at Sandia National Laboratory in Albuquerque, New Mexico, to exotic metals manufacturers and other university specialists—has any knowledge of layering these metals in alternating layers in which bismuth is about one to four microns thick and magnesium/zinc is about 100 to 200 microns thick.

ANTI-GRAVITY CHARACTERISTICS OF METAL "SKIN"?

Speculation about what this layered metal material might do has included resisting or detecting magnetic fields, because bismuth has the greatest Hall effect and is the most diamagnetic of any metal. Concerning the Hall effect, if a voltage is placed on bismuth while the metal is in a magnetic field, a current flow will be induced that is 90 degrees to the voltage. Bismuth's diamagnetism does not allow magnetic field lines to penetrate it. Bismuth also absorbs infrared energy which could be converted to electricity. One tantalising suggestion was that the bismuth/magnesium material would provide anti-gravity lift when surrounded by a strong electrostatic force combined with a radio frequency (RF) signal, a "Class C" RF signal, though no specific frequency was given.

That last suggestion came from a man who claimed to have worked at Edwards Air Force Base, California, and Area 51, Nellis AFB, Nevada, from 1973 to 1979, back-engineering technology retrieved from the Soviet Union during the Cold War. The man claimed that, during that time, layered metal with bismuth and magnesium had come into his lab as an "unknown" and left as an "unknown". He also claimed he later learnt that if the bismuth/magnesium metal were placed in a million-volt electrostatic field provided by a van de Graaff generator with an additional radio frequency (RF) signal applied, the metal would turn into a "lifting body".

Laser optical physicist Travis Taylor at the Redstone Arsenal in Huntsville, Alabama, had previously contacted me, offering to help with experimentation on the metal "skins". So I contacted him about doing the electrostatic and radio signal experiment. He agreed to try, so in September 1996 he was sent a small piece of

the skin which had been cut by the university professor from one of the bigger pieces he had analysed in his laboratory.

The first stage of the Travis Taylor experiment was at 500,000 volts without the added radio signal. To compare DC versus AC electric current, he tried both an AC Tesla coil and a DC van de Graaff apparatus. A control piece of normal aluminum was cut from a pop can to compare reactions in the field.

Taylor's videotape of this first experiment showed a dramatic movement by the bismuth/magnesium layered material. It moved sideways with such energy that it literally flipped off the plastic insulator cap that Taylor was using to separate the metal pieces from the van de Graaff generator. The aluminum control piece did not move at all.

After I reported this test, other scientists around the US called to say the experiment needed to be more refined to control for purely electrostatic effects, so we set about to do another experiment at a million volts with the RF signal added.

This time Taylor used only a DC van de

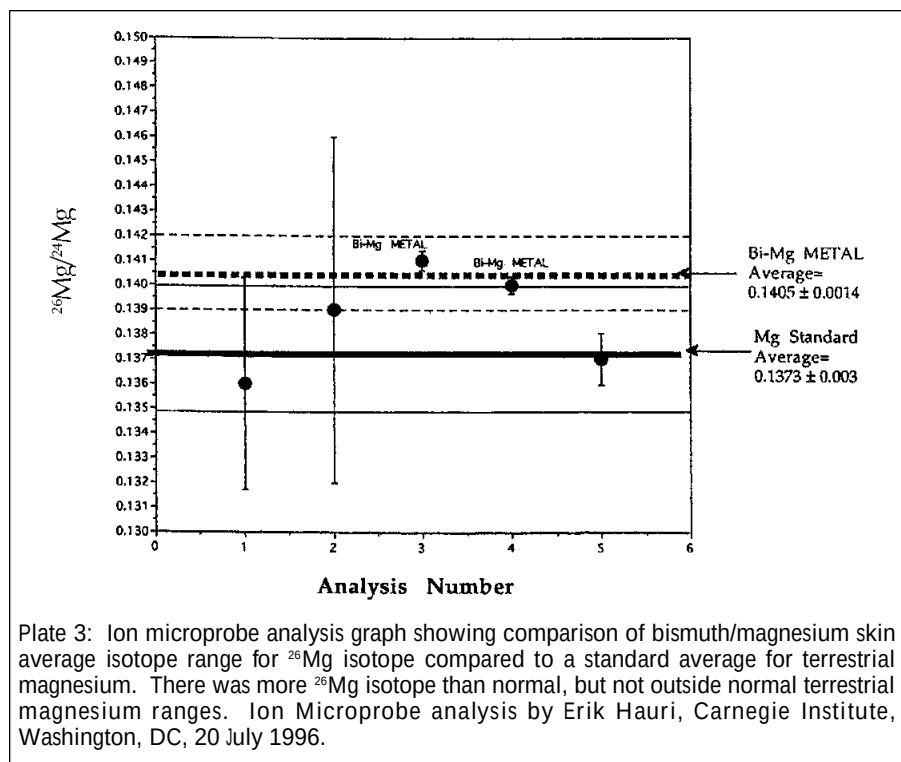


Plate 3: Ion microprobe analysis graph showing comparison of bismuth/magnesium skin average isotope range for ^{26}Mg isotope compared to a standard average for terrestrial magnesium. There was more ^{26}Mg isotope than normal, but not outside normal terrestrial magnesium ranges. Ion Microprobe analysis by Erik Hauri, Carnegie Institute, Washington, DC, 20 July 1996.

Graaff electrostatic field generator, as per the instructions of the alleged government informant. Insulation from the field in this experiment was a thin piece of paper suspended above the generator, upon which the bismuth/magnesium skin was placed. A control was made out of alternating layers of a magnesium/zinc alloy that almost perfectly matched the EDS and WDS analyses of about 97% magnesium and about 3% zinc.

When the control was placed on the suspended paper alongside the bismuth/magnesium layered metal piece in the million-volt field with 7-MHz radio frequency signal applied, the bismuth/magnesium material seemed to have a more energetic reaction *away from* the direction of the RF signal. The skin's response was to back away from the RF signal. The control piece of magnesium and zinc did not have that reaction.

This experiment was also videotaped, and neither metal moved as dramatically as in the first videotape. There might be a connection to the nuclear magnetic resonance frequency of bismuth which is about 7 MHz, the same as the RF signal. Nuclear magnetic resonance occurs at the subatomic level under certain conditions when a substance is placed in an external direct-current magnetic field.

Another scientist, Nick Reiter, who is an expert with solar cell manufacturing, agreed to try to make a bismuth and magnesium/zinc layered material in his vacuum vapour deposition apparatus in order to see if the material could be duplicated.

So far, after four tries over several months and slowing down the process to building one layer per week, he has produced a very thin material that somewhat resembles the unidentified metal "skin", but does not match. So, we still do not know precisely how the "skin" was manufactured or what it is supposed to do.

AN EXTRATERRESTRIAL EXPLANATION?

On 5 July 1996 Art Bell and I received another—and last—letter communication from the anonymous South Carolina source. The letter quoted allegedly from the deceased grandfather's journal about the layered material removed from the bottom side of a wedge-shaped vehicle near Roswell:

Sample extraction radiated light for a full (3) hours. Originally located on central underside of Wedge-shaped Disc. Speculate some type of Shielding(?) to enable Craft & Crew to survive accelerated entry into atmosphere, when Craft was experiencing uncontrolled descent. Pile of blackened ash was analysed and ash was confirmed of same elements of layering. Ash consisted of fibrous dust and residue. Ash and all debris swept into bagging. Bags placed in tagged boxes. Boxes placed into Metal Footlockers. Initial examination (off-site) conducted at New Mexico

Institute of Mining & Technology. Secondary examinations at Los Alamos Facility. Footlockers subsequently airlifted by Courier to Wright Field, Ohio.

I asked physicist Travis Taylor in Huntsville, Alabama, if he could do a worldwide literature search in scientific and military channels to see if he could find anyone who had worked with bismuth and magnesium in layers. After several weeks, he told me:

Linda, basically I have exhausted every resource that I have ever tried to use in the past from about 1940 to now and I have found no reference, even in government research, for bismuth/magnesium layers. This material didn't just make itself. It had to come from somewhere. And that's one of the things about it that excites me is because somebody had to build it and no one has reported building it. And it's a very high-tech piece of material, so if they didn't report it, why did they build it? That's what we do in science. We do some research and then we tell everyone about it. And nobody's told anyone about this material.

Travis Taylor's comments were focused on terrestrial explanations for the bismuth/magnesium layered material, such as early 1940s stealth or other exotic metals research by the United States government.

But if the layered material had been produced by a non-human technology associated with a crashed disc and alien beings in New Mexico—as the anonymous South Carolina source's letter stated—then the absence of information in the worldwide scientific

literature is not so unreasonable.

Finally, the aluminum pieces might never have had any original connection to the bismuth/magnesium material. The information from the South Carolina source could be misinformation designed as a controlled government release which distributes information and images into the public consciousness without official sanction. However, the bismuth/magnesium material, in its layered combination for whatever function, remains an unknown in the scientific and metallurgic literature to date. ∞

One tantalising suggestion was that the bismuth/magnesium material would provide anti-gravity lift when surrounded by a strong electrostatic force combined with a radio frequency signal.

Note: If readers have any more information about the mysterious metal skin composed of alternating layers in micron thicknesses of pure bismuth and nearly pure magnesium with a little zinc, please contact Linda Moulton Howe as per details on the first page of this article.

About the Author:

Linda Moulton Howe is a graduate of Stanford University, USA, and has a Masters Degree in Communication. She has devoted her film/TV career to documentary and studio productions on science, medicine and the environment. Her documentaries, *A Strange Harvest* and *Strange Harvests 1993*, explored the worldwide animal mutilations which have been ongoing since the late 1960s. She has written several books, including *An Alien Harvest* and *Glimpses of Other Realities*, vols. I and II.

Ms Howe's investigations have taken in such diverse subjects as the crop circles phenomenon, the *chupacabras* mystery, humanity's hidden history, and the evidence for UFOs and ETs, most recently focusing her research efforts on the alleged Roswell UFO crash fragments.

For further information about the author's books and video documentaries, contact LMH Productions (see details on first page of this article).



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BOOKS

Reviewed by Ruth Parnell

TIME TRAVEL

by J. H. Brennan

Publisher: Llewellyn, USA, 1997

ISBN: 1-56718-235-6 (216pp s/c)

Price: AUD\$23.95; NZD\$29.95;

STG£10.99; USD\$12.95; CAN\$17.95

Available: **Australia**—Quest Books, ph

(02) 9264 7152; **NZ**—Peaceful Living, ph

(07) 571 8105; **UK**—Airlift Book Co., ph

0181 804 0400; **USA/Canada**—Llewellyn

Publications, ph (612) 291 1970.

The discovery of out-of-place artefacts and skeletal remains in rock strata dated millions of years older than humanity's supposed appearance on this planet begs many questions, not least of which is: Were they left there by time travellers who visited the ancient past? This question has ramifications that can't be discounted, says prolific 'new age' author J. H. (Herbie) Brennan.

In his latest book, *Time Travel*, he proposes that nothing in Newtonian, Einsteinian or quantum physics that says time travel is impossible. Brennan summarises the anomalies, theoretical physics and some landmark experiments in quantum dynamics in an easy-to-follow argument that acknowledges the profound influence of the human mind. He cites evidence from quantum physics and mystic traditions, confirming that the mind interacts with the entire space-time continuum—past, present and even future.

Brennan relates examples of individuals who have experienced "time slips" where they enter physically into a past time period of that same space—and whose testimony can often be verified. But short of having a

wormhole handy, the most useful technique for experimenting with time-travelling is psychometry, where data can be obtained by tuning into an artefact's vibrations and, later, comparing the results with historical accounts. The experience can then be determined to be mere fantasy, mental time-travelling or, who knows, time teleportation.

Brennan's book doesn't explore recent breakthroughs in 'time machines' or alleged military experiments in time-travel, but it does opens the mind to new possibilities.

SHAMBHALA: The Fascinating Truth Behind the Myth of Shangri-la by Victoria LePage

Publisher: Quest Books, USA, 1997

ISBN: 0-8356-0750-X (318pp s/c)

Price: AUD\$31.95; NZD\$39.95;

STG£12.99; USD\$16.00; CAN\$23.00

Available: **Aust**—Quest Books, ph (02)

9264 7152; **NZ**—Pathfinder Bookshop, ph

(09) 379 0147; **UK**—Airlift Book Co., ph

0181 804 0400; **USA**—Theosophical

Publishing, ph 1-800 669 1571.

The lost paradise-kingdom of universal love and wisdom, "Shambhala" or "Shangri-la", is central to all Central Asian myth and religion and has fired the spirits of many initiates and explorers in search of its secrets and precise location.

Author Victoria LePage has also been so inspired, and her first book, *Shambhala*, is the result of nearly 50 years' exploration into the Shambhala myth and related Hindu, Buddhist, Sufi and shamanic esoteric traditions. Her insightful perspective puts a few more pieces of this puzzle into place.

LePage points to a clue to Shambhala's geographical location in the sacred mandala of the Kalachakra texts, which she says can

be interpreted not only in psychic and metaphysical terms but as a physical representation. The eight petal-shaped lands featured in this mandala, with Mount Meru at its centre, could be a map of Shambhala bordered by the eight ethnic culture areas of Central Asia: Siberia (Altai), Mongolia, China, Tibet, Kashmir/India, Afghanistan, Turkistan and Kazakhstan. As Shambhala is seen as the wellspring of civilisation and religion, such a schematic may explain the myths these people have in common.

LePage maintains that Shambhala is a *real* place, but one which, for now, is accessible only on an etheric level to those of pure heart. It is said that the Hidden Directorate



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that resides there, overseeing humanity's evolutionary leaps, may soon reveal its secret kingdom in the physical realm as the major Earth energy axis centre that it is.

In covering much sacred ground, LePage's *Shambhala* takes the reader to great heights.

THE PHYSICS OF A FLYING SAUCER AND A UNIFIED FIELD THEORY by Ted Roach

Publisher: Roach Industries, Aust, 1997
PO Box 697, Wahroonga, NSW 2076,
Australia, ph +61 2 9238 6108
ISBN: 0-9594088-2-7 (120pp s/c)
Price: AUD\$16.95; o/s air AUD\$23.00
Available: **Aust**—NEXUS Magazine, ph
(07) 5442 9280.

Sydney-based engineer Ted Roach is challenging the scientific community as well as national security organisations with his book, *The Physics of a Flying Saucer*.

Curious about the UFO phenomenon since his youth, Roach has spent years developing his "Physics of Time" theory to explain the various dimensions of time and space in the universe—a theory which, by application, may make interstellar space travel possible.

One of the basic tenets of his thesis is that the dimensions of time create gravity, electricity, magnetism, light, matter and all that exists physically in space; but dimensions of space have no time dimension, only existing if time exists. He argues that whatever physics regards as a force is actually a dimensional time field, and that goes for the subatomic realm and heavenly bodies in motion. Thus, he claims, it is possible to develop a zero time field instantaneously

around a spacecraft and have it reappear anywhere in the universe in zero time.

Roach's application for a patent on 10 inventions based on his 'unified field' concepts was confiscated in 1995 by the Australian Safeguards Office and the Department of Defence for assessment of military interest. Divulging any details of his patent is risky business for Ted Roach who last year had to remove from his home a CIA-made high-frequency 'bug', of a type allegedly used by ASIO. Ted is obviously onto something significant, and his concepts deserve to come to the public's attention. Read his book and you'll understand why.

5/5/2000...ICE: THE ULTIMATE DISASTER

by Richard Noone

Publisher: Three Rivers Press/Crown Publishing, USA, 1997 (revised edition)
ISBN: 0-609-80067-1 (400pp s/c)
Price: AUD\$32.00; NZD\$34.00 + p/h; STG£10.99; NFL£36-; USD\$16.00 +p/h
Available: **Aust**—Cameron Books, ph (047) 587676; **NZ**—NEXUS Office, ph (09) 416 7320; **UK**—Hi Marketing, ph 0171 738 7751; **Europe**—NEXUS Office, ph +31 (0)321 380558; **USA**—Adventures Unlimited, ph (815) 253 6390.

In 1982, with the release of his controversial book, *5/5/2000*, visionary Richard Noone was at the crest of a new wave of alternative thinking about the world's mysteries. He predicted a date for "the ultimate disaster"—and it's only three years away.

For this revised edition, Noone has written a new Preface and 30-page Epilogue, summarising the recent important findings from archaeology, astronomy, climatology, engi-

neering and geology which support his thesis: that a powerful solar storm, likely to penetrate the magnetosphere in January 2000, plus an alignment of the Sun and five inner planets with the Earth and Moon on 5 May 2000, will trigger a calamitous slippage of Antarctica's unstable three-mile-thick ice mass, tilt the planet's axis, cause gigantic tidal waves, quakes and eruptions as well as crustal displacement of entire lands.

As Noone argues, there is mounting evidence that catastrophes of varying intensities occur approximately every 7,000 years. Indeed, warnings of future catastrophes may have been built into monuments like the Great Pyramid, which he claims survived at least one major natural disaster.

But major planetary alignments are not so





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rare, and our in-house astrologer Richard Giles notes that in the last 50 years there have been 20 multi-planet conjunctions in the one zodiac sign, and that the 5/5/2000 line-up, over 26 degrees, is very wide. Statistically, it's only a matter of time before a catastrophe strikes, but how on Earth can we prepare for such a worst-case scenario?

LO!

by Charles Hoy Fort

Publisher: John Brown Publishing, London, UK, 1996 (first published 1931)
ISBN: 1-870870-891 (320pp s/c)
Price: AUD\$25.00; AUD\$30.00 airmail to NZ; STG£9.99; USD\$22.00
Available: **Aust/NZ**—*Fortean Times*, 5/9 Palm Avenue, Bribie Island, Qld 4507, Australia, fax +61 (0)7 3408 6205; **UK**—*Fortean Times*, ph 01789 490215; **USA**—*Fortean Times*, ph (516) 627 3836.



Charles Fort (1874-1932), the prolific American collector of reports on strange phenomena, was one of history's true iconoclasts and sceptics. His third book, *Lo!* (first published in 1931 and just re-released in a major revised edition), is a fine place to start for those who have not yet encountered Fort's incisive wit and wisdom.

His words were his greatest weapon, and he used them with intense delight in his attacks on establishment thinking, whether religious or scientific. He castigated scientists, especially astronomers, for dismissing, discrediting and suppressing evidence they could not explain, while espousing theories they were unable to prove. Fort refused to believe in any explanations; only to give

"acceptance" to the inexplicable, for there is no such thing as absolute certainty.

Lo! is a hotch-potch of weird and wonderful stories, mostly gleaned from newspapers, magazines and scientific journals over decades of library research, interspersed with humorous, outrageous comments and his own tall stories about the nature of the physical universe and attempts by 'intelligent' life to come to terms with it.

Readers unfamiliar with Fort will not only be amazed at his accounts of heavenly bodies, fireballs, poltergeists, sea monsters, falling frogs, space aliens, and more, but *how* he delivers them. This is classic Fortean, admirably demonstrating the closest Charles Fort would go to defining reality: a world based on humour.

FUTURE MEMORY

by P. M. H. Atwater

Publisher: Birch Lane Press, USA, 1996
ISBN: 1-55972-320-3 (300pp h/c)
Price: AUD\$40.00; STG£7.99;
USD\$19.95; CAN\$27.95

Available: **Aust**—Cameron Books, ph (047) 587676; **UK**—Bookshops; **USA/Canada**—Carol Publishing Group, NY.

The expression "flash forward" was coined in the 1980s to describe how some survivors of near-death experiences (NDEs) were found to be able to tap into the future and pre-live an event, exactly as it occurred, before it actually manifested in physical reality.

Author Phyllis Atwater, who has written several books on NDEs and has herself been through three such experiences, believes the term should be redefined as "future memory phenomenon", for it is not only reported by people who have 'died' and lived to tell the tale. For her new book, *Future Memory*, Atwater has amassed and analysed the body of testimony on this little understood but very real phenomenon (at least it is for those who experience it).

Moreover, she presents a reasoned argument for how "brain shifts" such as future remembrances are aspects of higher brain development, allowing newer and richer sets of abilities and talents to be activated. The upshot of this is that it is possible for us to learn how to cause future memory states as a way of kickstarting our higher brain abilities—and Atwater suggests ways that we might be able to achieve this.

Future Memory is really an adventure into the labyrinth of the mind and all its workings. Atwater challenges us to break the bounds of our perceptions, to synthesise the most visionary physics and metaphysics in an attempt to understand the essence of human spirit and consciousness.

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BOOKS

MYSTERIES OF ATLANTIS REVISITED:

An Edgar Cayce Guide

by Edgar Evans Cayce, Gail Cayce
Schwartzter and Douglas G. Richards

Publisher: St Martin's Paperbacks, USA,
1997 (revised edition)

ISBN: 0-312-96153-7 (235pp p/b)

Price: AUD\$12.00; STG£5.00 inc. p&h;
USD\$5.99; CAN\$7.99

Available: **Aust**—Cameron Books, ph
(047) 587676; **UK**—Edgar Cayce Centre,
ph 01207 237696; **USA/Canada**—St
Martin's Press, ph (212) 674 5151.

Over a 20-year period, the great American psychic/healer Edgar Cayce (1877-1945) gave nearly 700 life readings mentioning Atlantis plus many general readings on the fate of this lost continent. As Cayce never wrote a book on the subject, it has been the task of his heirs and students to make sense of all the disparate details.

The result, *Mysteries of Atlantis Revisited*, was first published in 1988 but has just been revised with an update on the most recent developments. Some of these events already confirm Cayce's Atlantean visions, while others could be played out imminently, e.g., the Egyptian authorities may soon allow excavations under the Sphinx that may confirm Cayce's vision of the legendary Hall of Records, said to be a repository of ancient archives that survived the final migration from Atlantis to Egypt.

Meantime, to the ire of Egyptologists, evidence presented by the West/Schoch expedition—that the Sphinx has water erosion patterns that date its construction to a time when Egypt had a very wet climate, at least

7,000, perhaps up to 12,000 or more years ago—suggests that Cayce's dating (10,490-10,390 BC) may well be close to the mark.

The quest for proof of Atlantis also takes in the islands of Bimini in the Bahamas, where expeditions continue to uncover evidence of sunken roads, mounds and built structures in keeping with Cayce's readings (as we go to press, a temple complex has just been found). However, if the latest geological evidence suggests his prophecies of cataclysms may be fulfilled in the very near future, we can only hope Cayce was wrong.

OUT OF BODY EXPERIENCES: How to Have Them and What to Expect

by Robert Peterson

Publisher: Hampton Roads, USA, 1997

ISBN: 1-57174-057-0 (278pp s/c)

Price: AUD\$24.00; NZD\$27.95;

STG£9.99; USD\$11.95

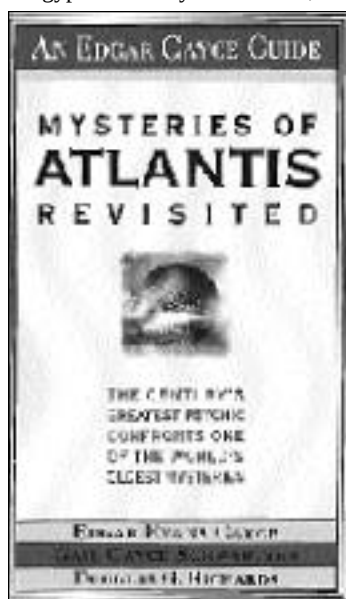
Available: **Aust**—Cameron Books, ph
(047) 587676; **NZ**—Peaceful Living, ph
(07) 571 8105; **UK**—Airlift Book Co., ph
0181 804 0400; **USA**—Hampton Roads
Publishing Co., Charlottesville, VA, ph
(804) 296 2772, fax (804) 296 5096.

One of the most effective ways of acquiring experiential knowledge about reality beyond the physical realm is through the out-of-body experience (OOBE). While many such experiences are reported within the context of near-death experiences, they do happen independently of such events.

In this practical how-to guide to OOBEs, author Robert Peterson describes his own explorations in inducing out-of-body states. Peterson started having OOBEs in childhood, but in the late 1970s began to apply Robert Monroe's work in this field and then go on to develop his own methodology. As he treats the reader to insights into his own progress, he gives step-by-step exercises that serve as signposts for the seeker who is prepared to practise. He includes a comprehensive bibliography for anyone who wants to read up on this before trying anything.

Peterson sees this ability of the astral body to leave the physical as a psychic development on the spiritual path. He claims that when someone is out of body, that person's Higher Self or Oversoul is still in charge and no other entities can possess that person's body—without permission.

In progressing through the techniques, the seeker is likely to become open to all manner of psychic experiences from greater incidence of synchronicities to telepathic and precognitive episodes. How much a distraction these are is up to the individual. It would seem that possession of this know-how requires a certain amount of personal responsibility, and Peterson wisely writes of the pinnacles and pitfalls on the path.





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ARK OF THE COVENANT

by Jonathan Gray

Publisher: J. Gray, Australia, 1997

ISBN: 0-646-3073-3 (600pp s/c)

Price: AUD\$39.95 + p&h; NZD\$30.00;

STG£16.00 + p&h; USD\$30.00 + p&h

Available: **Aust**—Jonathan Gray, PO Box 3370, Rundle Mall, SA 5000, ph (08) 8398 3862; **NZ**—PO Box 148, Rangiora, ph (03) 313 8908; **UK**—PO Box 14540, Dunfermline KY12 9ZD, ph/fax 01383 852863; **USA**—PO Box 623, Thorsby, AL 35171, ph (205) 646 3290.

One of the most sought-after relics of the Judaeo-Christian world is the fabulous Ark of the Covenant which disappeared from historical records with the fall of the First Temple in Jerusalem in 586 BC. The golden Ark is believed to have been constructed to house the stone tablets inscribed with the Ten Commandments, and to have possessed supernatural powers.

The search for the lost Ark has been an obsession for many biblical archaeologists in the meantime, and leads as to its whereabouts have taken in Israel, Ethiopia and Jordan. But what if the Ark was never removed from Jerusalem?

Author/explorer Jonathan Gray is one of many amateurs and professionals who have been on the track of this lost artefact for years. His latest book, *Ark of the Covenant*, is partly a record of his delving into the historical records, rumours and prophecies associated with the Ark (not to be confused with Noah's Ark). But it is also the story of the efforts of another explorer, American amateur archaeologist Ron Wyatt, who claims to have discovered the *real* hiding

place 20 feet under the "Skull Hill" crucifixion site on Mount Moriah in Jerusalem.

Having checked out Wyatt's evidence and visited the site with him, Gray is convinced that Wyatt's claims can be believed.

Meantime, Wyatt's excavation has had to be abandoned and the Ark is staying underground for now, partly because of difficulties with excavation and costs, but also because it is a political 'hot potato' for the Israeli Government and even for peace prospects in the Middle East.

Gray's book is a compelling, personal travelogue, rich with photos, diagrams and illustrations, and makes portions of the Old and New Testaments come very much alive.

THE BIBLE CODE

by Michael Drosnin

Publisher: Weidenfeld & Nicolson, UK,

1997; Simon & Schuster, USA, 1997

ISBN: 0-297-81995-X (h/c);

0-297-84091-6 (264pp s/c)

Price: AUD\$19.95; NZD\$29.95;

STG£20.00 (h/c only); USD\$25.00

Available: **Aust**—Cameron Books, ph (047) 58 7676; **NZ**—Penguin Books, ph (09) 444 4965; **UK**—Bookshops; **USA**—Simon & Schuster, New York.

Only 12 years ago, brilliant Israeli mathematician Eliyahu Rips heard about the existence of secret codes in the Old Testament of the Bible. So he set about testing this idea with group theory and computer power, using the first five books from Genesis to Deuteronomy—304,805 letters in all—as the basis for his calculations.

By deleting spaces between words, Rips found that any number of skip sequences, from one to thousands, can access meaningful networks of words and phrases far beyond statistical chance. His "Bible code" calculations have not been disputed yet. He was amazed to discover hidden names, words and dates covering a vast spectrum of past, present and even future events.

New York-based journalist Michael Drosnin has been researching the Bible code with Rips since 1992, and became sufficiently convinced that it's for real that he wrote this book about it. The turning point came with Yitzhak Rabin's assassination in 1995: a year earlier, Drosnin had found a pointer to this event in the code and tried to warn Rabin—to no avail, as it turned out.

Drosnin and Rips have tested the code against all manner of Earth- and cosmos-shaking events, and you name it, it's there: the Gulf War, the Hebron massacre, Comet Shoemaker-Levy 9, the Kobe earthquake, the Oklahoma bombing. They've also checked for future atomic holocaust (2000 and 2006 are two probabilities) and comet or asteroid impacts (2006, 2010, 2012).



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The Bible code's divinatory potential is only as good as the questions asked, but, as Rips says, "there is no limit to the amount of information that could be encoded" in this multi-layered hologram, this "mind beyond our imagination".

THE WISDOM OF THE BODY

by Sherwin B. Nuland

Publisher: Random House, USA, 1997; Chatto & Windus, UK, 1997

ISBN: 0-7011-6482-4 (409pp s/c)

Price: AUD\$19.95; NZD\$29.95;

STG£7.99; USD\$/a

Available: **Aust**—Random House, ph (02) 9954 9966; **NZ**—R/House, ph (09) 444

7197; **UK**—R/House (avail. mid-'98);

USA—R/House, ph (212) 572 2571.

What makes us greater than the sum of our parts is our human spirit, yet that spirit is a function of our genetic blueprint, writes Sherwin Nuland in his latest book, *Wisdom of the Body*. Still, the reality of our physical nature makes us no less mysterious, he says, for the human body and its workings are truly miraculous.

An experienced practising surgeon and physician, Nuland teaches surgery and the history of medicine at Yale University in between writing accessible medical books. His years of experience in dealing with life-or-death emergencies have given him firsthand proof of the power of the human spirit to want to survive, and its ability to permeate that intent instantaneously throughout all systems and cells of the body. Not insignificant is the spirit of each member of the medical team fighting for a patient's life.

Nuland takes the reader on a fantastic voy-

age through the human body, explaining the structure, workings and communications of DNA, cells, organs and systems. He explains the subtle balances and counterbalances involved in these interactions and how the equilibrium can malfunction. At times, he says, there is no option but to resort to surgery to rectify the imbalance.

Nuland has sewn some gripping survival stories, fascinating clinical histories and heart-rending experiences into his eminently readable narrative in praise of the wonders and wisdom of the body. Yet he is not so concerned at what wonders may exist beyond the limits of physical sight.

MEDICINE DREAM

by Marilyn Tunneshende

Publisher: Hampton Roads, USA, 1996; HarperCollins, UK, 1997

ISBN: 1-57174-046-5 (232pp h/c)

Price: AUD\$17.95 (s/c); NZD\$29.95;

STG£7.99; USD\$16.95

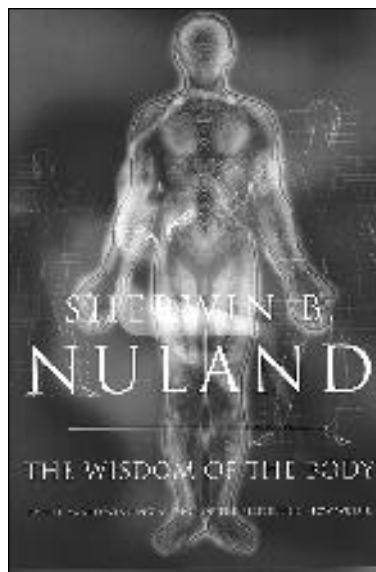
Available: **Aust**—Cameron Books, ph (047) 587676; **NZ**—HarperCollins, ph (09) 443 9401; **UK**—Thorsons, ph 0181 741 7070; **USA**—Hampton Roads, ph (804) 296 2772, fax (804) 296 5096.

For Marilyn Tunneshende, as for other visionaries and spiritual warriors, there is no turning back on the path of knowledge after that first step. *Medicine Dream*, her profound story of self-transcendence, continues the legacy of Carlos Castaneda whose books on Don Juan's Yaqui way of knowledge have shifted many a paradigm over the last two decades.

A Spanish linguist and student of Toltec and Mayan culture and religion, Marilyn headed south in the mid-1970s after a tragic event changed her life. Unexpectedly she found herself apprenticed to a Yuman shaman who later 'introduced' her to a Mayan magician/healer who continued to guide her on her path of metamorphosis. She had become a "nagual woman" with a special talent for "healing dreaming".

Merilyn's training was tested in 1992, after 12 years back in the US, when she was diagnosed with a life-threatening illness. She returned to Mexico and found her old mentors who performed powerfully energetic practices to support her self-healing. Some of these processes involved the ritual use of sacred mushrooms, and study of the Mayan prophetic calendar, the Tzolkin, which marks a new dawning of planetary consciousness by the year 2012.

Having entered spiralling vortices into timeless realms and experienced transformational, healing energies that operate on all levels of being, Merilyn's mission now is to make us aware that these realms and experiences are accessible to all those who seek.





REVIEWS

THE RETURN OF THE SERPENTS OF WISDOM

by Mark Amaru Pinkham

Publisher: Adventures Unlimited Press, USA, 1997

ISBN: 0-932813-51-8 (366pp s/c)

Price: AUD\$27.00; NZD\$36.00 + p/h; STG£17.00; NFL\$19.90; USD\$16.95 + p/h

Available: **Aust**—NEXUS Magazine, ph (07) 5442 9280; **NZ/UK/Europe**—NEXUS Offices; **USA**—Adventures Unlimited, ph (815) 253 6390, fax (815) 253 6300.

A symbol ubiquitous among ancient civilisations around the world is the serpent, and knowledge of its meaning and purpose has been kept and nurtured by mystery schools and native peoples through the millennia.

For seekers of enlightenment, the serpent is a symbolic and literal representation of spiritual transformation: *kundalini* 'serpent fire' rising from the base of the spine to enfold in the heart and then move up to the crown chakra, to fly out into the cosmos on eagle's wings. It's not hard to imagine why belief in the serpent-of-many-guises has been punished as heretical by biblical and Church 'authorities' through history. Yet, in an ironic twist, a spiralling pair of snakes is the 'mascot' of the medical profession!

So how did all this come about? Having studied many of the world's mystical traditions at first hand and followed prescribed disciplines for 20 years, truth-seeker and healer Mark Amaru Pinkham claims he is tasked with disseminating the story of the "Serpents of Wisdom". More than mere myth, these particular "Serpents" belong to a hierarchy of spiritual adepts who 'dwell' in non-physical planes but are able to enter into

human form—for hundreds or thousands of years at a time if they so wish.

The involvement of these beings with planet Earth and the original 'human' blueprint is said to extend back many millions of years, and they are believed largely responsible for the rise (and demise?) of civilisations as well as man's evolutionary leap into *Homo sapiens* around 200,000 years ago.

As hinted at in the title—*The Return of the Serpents of Wisdom*—Pinkham suggests that the imminent millennium changeover heralds the return of these spirits who embody the serpent's wisdom and power. What will be their purpose this time?

PSYCHIC DISCOVERIES

by Sheila Ostrander and Lynn Schroeder

Publisher: Marlowe & Co., USA, 1997

ISBN: 1-56924-750-1 (438pp s/c)

Price: AUD\$30.00; STG£13.50;

USD\$14.95

Available: **Aust**—Cameron Books, ph (047) 587676, fax (047) 58 9047; **UK**—NEXUS Office, ph 01342 322854; **USA**—Publishers Group West, ph (416) 504 3900, 1-800 788 3123.

The 1971 publication of *Psychic Discoveries Behind the Iron Curtain* may well have prompted various intelligence agencies like the US CIA and DIA to step up their psychic research programs in an attempt at least to keep up with the expertise and technology of the Eastern bloc.

This 1997 edition of that classic book is really two books in one. The first part is an abridged version of the original, but has all the chapters dealing with Eastern bloc telepathy, bioplasma, telekinesis, Kirlian photography, psychotronic generators, etc.

Part Two is an entirely new section, subtitled "The Iron Curtain Lifted". Authors Ostrander and Schroeder consider developments since the late 1960s in psychokinesis, mind control, microwave zapping, biomagnetic warfare, weather manipulation, remote viewing, etc., but cover these all too briefly, resorting to too many comparisons with US research rather than providing nitty-gritty details of, say, KGB ESPionage programs.

The authors go on to document the huge resurgence in psychic, shamanic and spiritual interest since the Iron Curtain was lifted, evident not only among the general public but among practitioners who are applying this knowledge in such areas as healing, learning and dowsing. They conclude Part Two with highlights of Eastern European UFO/ET experiences, and Russian evidence for artificial structures on the Moon.

In bridging the East/West divide, *Psychic Discoveries* is part of a paradigm shift affecting planetary citizens everywhere.



REVIEWS



VIDEO

Reviewed by Duncan Roads

UFOs: THE CONTACTS

Part 1: The Pioneers of Space

Producer: 2000 Film Productions, Düsseldorf, Germany, 1996
Price: AUD\$45.00; NZD\$59.00;
STG£25.00; NFL£70.00 (120mins, VHS)
Available: **Aust**—NEXUS Magazine, ph (07) 5442 9280; **NZ**—NEXUS Office, ph (09) 416 7320; **UK**—NEXUS Office, ph 01342 322854; **Europe**—NEXUS Office, ph +31 (0)321 380558; **USA**—Adventures Unlimited, ph (815) 253 6300.

Another excellent video from Michael Hesemann, editor of the Germany-based *Magazin 2000* and well-known researcher and author in the UFO field.

This is a great video for those interested in the high-profile 'contact' cases of the '50s and '60s, such as George Adamski's case.

As usual, Hesemann flies in the face of popular opinion and presents convincing information, in the form of interviews and solid research, that there is more reality to these oft-dismissed cases than we realise.

I found the information on Adamski and the Mengers to be largely new and very intriguing. It was refreshing to revisit these famous cases in light of more recent events.

This video is the first of a promised series of documentaries on UFO contact cases—a series I certainly look forward to.

MYSTERY FIREBALLS OF THE AUSTRALIAN OUTBACK

A Lecture by Harry Mason

Producer: Instant Replay, for NEXUS Videos, Australia, 1997
Price: AUD\$35.00; NZD\$49.00;
STG£20.00; NFL£55.00 (110mins, VHS)
Available: **Aust**—NEXUS Magazine, ph (07) 5442 9280; **NZ**—NEXUS Office, ph (09) 416 7320; **UK**—NEXUS Office, ph 01342 322854; **Europe**—NEXUS Office, ph +31 (0)321 380558.

One of the most popular presentations at the 1997 NEXUS Conference in Sydney in May was that given by geologist Harry Mason, with his research on the mysterious fireballs over the outback.

As readers of this and the last two issues will realise, Harry's research trail has led far beyond the Aussie outback, to include the Japanese Aum cult, covert Tesla weapons testing and secret bases. Even the bombing of the Oklahoma City federal building exhibits evidence of being the result of targeting by a beam weapon.

It seems that the mysterious fireballs are just one piece of a much larger puzzle. This is your chance to see the picture so far.

AUDIO DOCUMENTARY

Reviewed by Duncan Roads

THE EDWARDS AIR FORCE BASE

ENCOUNTER:

The US Air Force vs UFOs

Producer: Independent-International Pictures Corp., USA, 1995
Price: USD\$14.95 + USD\$2.00 p&h in USA (54mins, cassette)
Available: **USA**—Independent-International Pictures, PO Box 565, Old Bridge, NJ 08857, ph 1-800 227 1015.

If you have ever wanted something to convince friends that you are not a loony UFO believer for nothing, then get them over to listen to this tape.

It is almost an hour's worth of declassified audio tape recordings of some pretty candid conversations between military personnel, discussing and directing aircraft on intercepts towards a major UFO flap over Edwards Air Force Base, California, on 7 October 1965.

Don't worry; the audio clarity and quality are just fine. Copies of official documentation come with the tape in a large, book-sized vinyl display case. It looks neat, actually, and would make a great present.

PRODUCTS

Reviewed by Duncan Roads

GRANDER LIVING WATER UNITS

Produced by: UVO-Vertriebs KG, A-6100 Seefeld i.T., Pfarrhuegel 293, Austria, ph +43 (0)5212 4192-0, fax (0)5212 419228
Prices: on application
Available: **Aust/NZ**—Grander Water Technologies, 2/1 Alex Fisher Drive, Burleigh Gardens Industrial Park, Qld 4220, Australia, ph +61 (0)7 5593 4650, fax +61 (0)7 5593 4561.

Grandeur Living Water units are 'things' you place on water pipes, allowing water to flow through. The water that flows out is claimed to enhance the health of humans, plants and animals.

When ordinary water passes through the Grander unit, it assimilates information and energy in the form of electromagnetic frequencies—much the same way as sound is transferred to a blank audiotape. The water passes just once through a stainless steel energiser and emerges at the other side revitalised and energised. The units are available in a variety of pipe diameters, ranging from sizes for use in household taps to large homes and industrial plants. There is even a pendant for personal 'by-the-glass' use.

I've heard many favourable reports on this product from buyers and researchers.



REVIEWS

AUDIO

Reviewed by Richard Giles

IN THE KEY OF HEALING

by Steve Halpern

Producer: Steve Halpern for The Relaxation Co., NY, USA, 1996
Price: AUD\$29.95, USD\$14.95 (CD) (58mins)

Available: **Australia**—New World Productions, ph (07) 3367 0788; **USA**—Relaxation Co., ph 1-800 788 6670.

Steve Halpern is world-known for his sound-healing music, with over 50 recordings to his name. The sound on *The Key of Healing* vibrates in the deep alpha (8 cycles per second) range, associated with deep relaxation and meditation. Halpern creates what he calls a "sonic sanctuary" for listening, that helps spirit, mind and body reconnect with the Source at a cellular level.

HAND WOVEN

by Lorin Grean

Producer: Lorin Grean for Silver Wave Records, USA, 1997
Price: AUD\$29.95, USD\$14.98 (CD); AUD\$19.95, USD\$9.98 (cass.) (53mins)
Available: **Aust**—MRA Entertainment, ph (07) 3849 6020; **USA**—Silver Wave Records, Boulder, CO, ph (303) 443 5617.

If you're after just classical harp performance, then Lorin Grean does not supply. Instead, on *Hand Woven* she takes a distinctly adventurist approach to her instrument, combining it with violin, percussion, flute, cello and more, to produce what could be called "world harp fusion music". She does it well and with excitement. With her warm voice woven into the world accompaniment, this is a thrilling, enchanting album.

TRANCE PLANET: Volume Three

Compiled by Tom Schnabel for Triloka Records, NM, USA, 1996
Price: AUD\$29.95, USD\$16.98 (CD); AUD\$19.95, USD\$10.98 (cass.) (74mins)
Available: **Aust**—Festival Records, ph (02) 9660 4022; **USA**—Triloka Records, ph (505) 820 2833.

Looking for a comprehensive collection of music from around the globe to thrill you? Then try this third *Trance Planet* release from Triloka. True to its name, it will en-trance you with mystical and universal styles from the four corners: Armenia's Djivan Gasparyan on the soulful duduk; Mali's exotic vocalist Oumou Sangare; Germany's Stephan Micus's extraordinarily evocative music; Israeli percussionist Iki Levy and his psychically charged "Lovelorn"; and Algeria's Rachid Taha with his Arabic rock "Valencia". Also featured

are Tulku, Ali Akbar Khan, Mozambique's Orchestra Marrabenta and more. A truly planetary compilation.

BOHINTA

by Bohinta

Producer: Bohinta for Vélo Records, Dublin, Ireland, 1996
Price: AUD\$29.95; IR£12.99 (CD) (44mins)

Available: **Aust**—MRA Entertainment, ph (07) 3849 6020; **Ireland**—Excellent Ltd, Dublin, ph/fax +353 1 4944486.

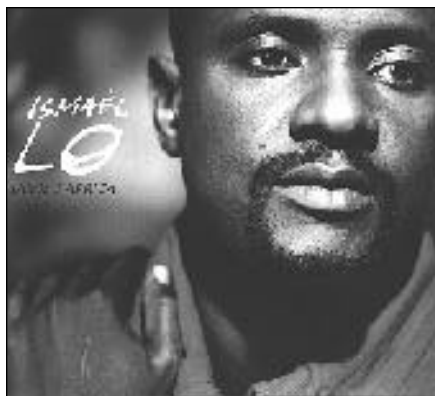
The Fureys' name has shone brightly in Irish/Celtic music. For this album, Áine Furey and Martin Furey have come together with 15 other musicians to record their last three years' collected works. Bohinta is the comings and goings of a diverse bunch of fiddlers, guitarists, mandolin and bodhran players, keyboardists and percussionists who have combined their talents under Furey brother and sister. Driving guitars and emotion-charged lyrics are mixed in with some excellent pieces. The Furey harmonies are superb. Certainly worth a listen.

JAMMU AFRICA

by Ismaël Lo

Produced for Mercury/Sankara, 1996
Price: AUD\$30.95 (CD) (59mins)
Available: **Aust**—Island Records, ph (02) 9207 0500; **Europe**—Mad Minute Music, Paris, France, ph +33 1 4010 2555.

Among the large number of African singers now on the world scene, Ismaël Lo stands out as one of the smoothly skilled practitioners. This is an outstanding album of Senegalese music recorded in Dakar and mixed in Paris. On one track, Ismaël combines with husky-voiced Marianne Faithfull to produce the softly sweet and wistful "Without Blame". With jazzy horn section and graceful vocals and percussion, *Jammu Africa* builds some cool, infectious, African dance music. Highly recommended.



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The numbers 2,160 and 3,600 are thus intimately related mathematically! Moreover, it seems to me that this relationship has caused a great deal of confusion. If we return to the Babylonian Kings Lists used by Sitchin, we find that the sars of 3,600 may well have been drawn from a Sumerian text which stated "a sar is 3-6-0-0". However, if that text had been properly converted from quasi base 60, it would really have been saying "a sar is 2,160".

Although both 3,600 and 2,160 were important numbers to the Sumerians, my study suggests that the number 2,160 became more important after the Flood. It is highly likely, in my opinion, that pre-Flood records expressed in sars of 3,600 years were converted after the Flood into sars of 2,160 years. Only after this conversion were the priests of the first civilisation told by the gods to pick up their pens and write.

In my book, I have set out the full details on how the 2,160-year sar perfectly reconciles the Sumerian Kings Lists and the Book of Genesis. In so doing, I have strengthened my argument that human lives

once spanned thousands of years. I have also reconstructed the entire sequence of life-spans for the patriarchs and shown exactly how our original longevity genes were lost. In addition to the dilution caused by natural genetic drift, I have identified a further genetic intervention by the Anunnaki at the time of the Flood in order to tackle man's tendency for rapid population growth. Incidentally, I suspect that the human races were also created via deliberate genetic intervention at this time.

Based on my dating of the Great Flood to 10,983 BC, I have concluded that the gods arrived in 270,183 BC and that man was created in 180,183 BC. It should be noted that the latter date is highly consistent with the fossil and genetic evidence for the sudden emergence of *Homo sapiens*.

THE STAR-CLOCK AND THE RETURN OF THE GODS

The chronological proof, based on the precessional period of 2,160 years, is but one aspect of a star-clock which was designed by the Anunnaki after the Flood to give the younger gods the opportunity for lordship over the Earth.

This star-clock is evident in the lion-bod-

ied Sphinx at Giza, symbolising the era of Leo (10,900-8700 BC) during which it was carved. Human civilisations, which began in the era of Taurus the Bull, used the symbol of the ram just over 4,000 years ago to commemorate the precessional shift to the era of Aries.

The gods' use of the star-clock at that time is evident in the design of both Stonehenge in England and the remote site of Machu Picchu in Peru—both designed as stellar observatories.¹⁶ Moving forward in time, recent books have identified Jesus and the Nazarenes as "fishers of men"—a sect with secret knowledge of the aeons, in effect a "new age" movement celebrating the beginning of the era of Pisces some 2,000 years ago.¹⁷

In summary, genetic science has finally enabled us to begin to unlock the secrets of our past and to recognise that the gods of ancient mythology were real, flesh-and-blood people, in all likelihood astronauts who had been given genetically enhanced life-spans. The reality of these "immortal" gods finally solves the mystery of how ancient civilisations gained a knowledge of

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the 25,920-year precessional cycle and why they regarded it as important.

This astronomical knowledge has been preserved within certain occult traditions and secret societies for two millennia, but, as usual, the public is not in full possession of the facts.

Instead of recognising the imminent era of Aquarius as an astronomical watershed, we are mistakenly dismissing it as astrological bunkum and focusing our attention on the millennium with which it approximately coincides. Many of us are thus sleepwalking into the new era with a sense of expectation that something is about to happen. Millions of people are convinced that we will shortly be witnessing the Second Coming of Christ, an invasion of aliens, or the birth of a New World Order.

However, the evidence from our past throws up another extraordinary possibility: that the Anunnaki gods are about to return, either in a physical or political sense, and reassume the helm of the ship.

As unbelievable as it might seem at first, we may literally be about to meet our makers. ∞

Endnotes

1. Dunn, C., "Hi-tech Pharaohs?", *Amateur Astronomy & Earth Sciences*, issue two, 1995, and issue three, 1996 (two-part article).
2. *Ancient American*, no. 17, 1997.
3. Gould, S., *Wonderful Life: The Burgess Shale and the Nature of History*, Norton, New York, 1989 (introductory comment).
4. Dennett, D., *Darwin's Dangerous Idea*, Penguin, 1995.
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6. This statement is credited to Charles Darwin's partner, Alfred Wallace.
7. See, for example, Morgan, E., *The Aquatic Ape: A Theory of Human Evolution*, Souvenir Press, London, 1982.
8. Jones, S., *The Language of the Genes*, Flamingo, 1993, chapter 4, p. 93.
9. *Daily Mail*, 29 January 1996.
10. *ibid.*
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12. Genesis 2:7-8.
13. Sitchin, Z., *The Twelfth Planet*, Avon Books, New York, 1976, chapter 8.
14. *op. cit.*, chapter 14.

15. Jacobsen, T., *The Sumerian King List*, Chicago, 1939; cited in von Däniken, E., *Signs of the Gods*, Putnam's, New York, 1980, pp. 201-2.

16. Alford, A.F., *Gods of the New Millennium*, Hodder & Stoughton, UK, 1997, chapter 11 (first published by Eridu Books, UK, 1996).

17. See, for example, Knight, C. and Lomas, R., *The Hiram Key*, Arrow, 1997, chapter 5.

About the Author:

Alan F. Alford is a 36-year-old chartered accountant turned author. Following his first visit to the pyramids of Giza as a 14-year-old, Alford has travelled extensively to more than 24 countries in his quest to solve the riddles of mankind's mysterious past. This article is extracted from his book, *Gods of the New Millennium*, which is the culmination of more than 10 years of research.

Note: *Gods of the New Millennium* has recently been republished by Hodder & Stoughton and is available from bookshops in Australia, New Zealand, UK and Canada. US customers can order by credit card via the World Wide Web, <http://www.eridu.co.uk>, or by telephone/fax, +44 1543 370453.

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et. al., suggesting that although this Banjawarn incident in many ways resembles a clandestine test scenario, it was not caused by an explosion (nuclear or otherwise) or a normal quake, but was probably due to a three-metre iron-nickel meteorite impact.

Van der Vink has been interviewed by (Australian) ABC radio and continues to propagate the meteorite impact theory in spite of the lack of any impact crater discovery, the peculiar evidence from eyewitnesses on the nature of the fireball flight and its associated events (e.g., the large orange-red hemisphere structure), and the evidence of multiple fireball flights along the same track at Banjawarn—each occurring on different dates/times and demonstrating very odd, sentient, meteorite behaviour.

Continuing its research, IRIS established the best possible fix on the 28 May 1993 earthquake epicentre. This brilliant work was achieved by studying the seismic energy paths from recent mine blasts at the newly developed Bronzewing gold-mine (located some 50 kilometres west of Banjawarn).

IRIS recomputed the Banjawarn quake epicentre using new algorithms deduced from

this mine-blast wave-path research, coupled with input from the seismographic record data provided by the chain of AGSO (Australian Geological Survey Organisation) receivers.

AGSO data has always shown that the 3.6-3.9 Richter-scale quake epicentre was south of Banjawarn—but with wildly varying results from three different calculations, due to a lack of knowledge of the regional seismic wave propagation. Earlier Leonora-Laverton mine blasts demonstrated errors of ± 100 kilometres in standard AGSO algorithms and calculations.

IRIS proudly sent me a map detailing the small rectangular area that, with 95 per cent confidence, contained the Banjawarn 28 May '93 quake epicentre. It *exactly* coincided with the plan outline of the Laverton-Jindalee Rx (receiver) site.

IRIS was presumably operating on a "need to know" basis within US Government circles and was unaware of the existence of this Laverton OTHR Rx site.

In fact, I supplied IRIS with most of its detailed topographic maps of this area, and I had not included information about the Laverton-Jindalee Rx site as it seemed irrelevant at the time.

This OTHR system consists of a Tx site located east of Laverton at White Cliffs, and an Rx site west of Laverton, close to the southern boundary of Banjawarn station.

About five per cent of eyewitnesses to the "Banjawarn Bang" suggested that this Rx site area, where the fireball exploded into a huge red flare, was "ground zero".

Most other eyewitnesses placed "ground zero" much further north, so I discounted these few isolated reports, but I searched this location in mid-1995 from the air and on the ground—just in case.

The reason for this discrepancy between 95 per cent of eyewitness evidence of the explosion site and the quake epicentre calculation remains unexplained at this time. (The five per cent of eyewitnesses who saw an explosive flare at the Rx site were present that night with the many other witnesses who observed the explosion well north of that location.)

At the time of the 28 May '93 "Banjawarn Bang", the location was virgin bush and just a planned rectangle noted on the local Mines Department maps—to warn prospectors that no mines could be allowed in this area due to future OTHR developments.

In mid-1995 whilst flying an aerial search

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for the Banjawarn "meteorite crater", I flew over this site and later visited it on the ground. Bulldozer clearing of bush scrub was in progress over an area of a few square kilometres.

Unfortunately for IRIS, there was no meteor impact structure there; nor has one been found anywhere else within 300 kilometres of Banjawarn. The bulldozers were not filling in a crater, either!

However, one is left with the strong impression that this site is a very bad place to install an OTHR military system, possibly due to rare and highly accurate "meteorite impacts", rapidly evolving exotic "natural" Earth EM events, strangely coincident earthquakes (in a region where no quake has ever been recorded since detectors were first set up in 1900), or other alien phenomena.

Or perhaps someone else knows that it is not just a radar system but also a projective plasma weapon system, and this someone sent one of his own EM weapon blasts to hit the target fair and square at 23.03 hours on 28 May 1993 with a warning: "I can take out your proposed weapons asset whenever I like."

Perhaps this same someone is responsible for the 1,000+ major fireball events known to have occurred in Australia over the last four years (right up to 24 June 1997)—100 of these involving huge aerial explosions of nuclear-bomb-force levels, and 10 of these involving huge aerial explosions coincident with medium-power 3.6-4.0 Richter-scale earthquakes (equivalent to 1-2 kilotonnes of TNT explosive).

Who, or what, is that "someone"?

Whatever the source or cause, it is now obvious that these events pose a severe and rapidly evolving threat to human life and property. It is only a matter of time before a modern "fly-by-wire" electronics-controlled airliner is brought down by a ray-wave field coupling with onboard electronics.

Ground or air-burst explosions or induced earthquakes obviously threaten many "ground zero" deaths if any of these events occur within a built-up area.

Unfortunately, it appears we have to wait for a fireball event to destroy Canberra before any government action will occur. We probably won't have to wait too long!

~ Continued in the next issue of NEXUS ~

Part 4 of "Bright Skies" will cover the physics of EM fireballs (weapons), 'natural' Earth fireball events last century, possible recent EM weapon strikes, a 1997 Australian fireballs update, and the secret oligarchic power wars evolving around us.

Note: Anyone wishing to report exotic fireballs/light emission events, or knowing about EM weapons systems technology/testing in Australia or elsewhere, may phone the author on +61 (0)8 9525 5999 (after 10.00 am WA time = gmt + 8 hours), fax on +61 (0)8 9525 5944, or e-mail orbitx@ois.com.au.

About the Author:

Harry Mason, BSc, MSc, is a UK-born geologist/geophysicist, resident in Perth, Western Australia. His 30-year international career has given him extensive field experience in mineral resource exploration, including seismic and EM studies. He specialises in the geology and resource exploration of WA's eastern Goldfields.

Lately Harry has been devoting his private time and expertise to researching mysterious Australian outback phenomena of natural and man-made origins.