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NEXUS

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**Aerial mind-control:
a threat to civil liberties?**

**The enigma of
psychic surgery**

**Toxic mattresses
and cot deaths**

UK crop circles '99

**Does the sun control
greenhouse gas levels?**

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• Sir Laurence Gardner • Echelon Pt 2 • HIV≠AIDS •

NEXUS

NEW TIMES MAGAZINE

Volume 6, Number 6 OCTOBER – NOVEMBER 1999

PO Box 30, Mapleton Qld 4560, Australia

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PUBLISHED BY

NEXUS Magazine Pty Ltd, ACN #003 611 434

EDITOR

Duncan M. Roads

CO-EDITOR

Catherine Simons

ASSISTANT EDITOR/SUB-EDITOR

Ruth Parnell

EDITORS' ASSISTANT

Richard Giles

OFFICE ADMINISTRATOR

Janine Carmichael

CONTRIBUTORS THIS ISSUE

Piers Corbyn; Jim Sprott, OBE, PhD; Patrick S. Poole; Harvey Martin; Judy Wall; Valendar F. Turner and Andrew McIntyre; Sir Laurence Gardner, KTStGm, KCD, KTStA; Robert Nelson; Andy Thomas; Gildas Bourdais

LAYOUT & DESIGN

Duncan M. Roads

CARTOONS

Phil Somerville

COVER GRAPHIC

John Cook, jscook@ozemail.com.au

PRINTING

Warwick Daily News, Queensland, Australia

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HEAD OFFICE - All Correspondence

PO Box 30, Mapleton, Qld 4560, Australia.

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

E-mail: nexusmagazine@mpx.com.au

Website: www.mpx.com.au/~nexusmagazine/

NEW ZEALAND OFFICE - PO Box 226, Russell,

Bay of Islands. Tel: +64 (0)9 403 8193;

Fax: +64 (0)9 403 8196;

E-mail: nexusnz@xtra.co.nz

USA OFFICE - PO Box 177, Kempton, IL 60946-

0177. Tel: (815) 253 6464; Fax: (815) 253 6454

E-mail: nexususa@earthlink.net

UK OFFICE - 55 Queens Rd, East Grinstead, West

Sussex, RH19 1BG. Tel: +44 (0)1342 322854;

Fax: +44 (0)1342 324574;

E-mail: nexus@ukoffice.u-net.com

EUROPE OFFICE - PO Box 372, 8250 AJ Dronten,

The Netherlands. Tel: +31 (0)321 380558;

Fax: +31 (0)228 312081;

E-mail: frontier@xs4all.nl

STATEMENT OF PURPOSE

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Editorial

While sifting through the mass of information that pours into our office, it can be all too easy for me to slip into a mood of despair. However, every now and then I find something that reveals things are changing—so you'll find a couple of good-news items tucked away inside Global News this issue, and even something humorous to round it off!

In particular, I was encouraged to read that consumers in Europe are refusing *en masse* to buy genetically modified food—so much so, that a leading bank is advising investors to reduce their exposure to companies devoted to such markets—companies like Monsanto. I cannot stress enough, to the many readers who express a desire to help change the world, that change starts at home. As big as those transnationals are, it is still our spending that keeps them all alive. Where you spend your money reflects where you want the world to go—at least, that is what big business assumes.

Also on the information-empowerment angle, I'm pleased to be able to present some under-recognised research into what causes cot (crib) death, or SIDS. Now, before you mentally switch off because you've survived your cot stage of development, this information could also be relevant to many adults. It appears that a major cause of cot death is the outgassing of toxic nerve gases (arsinines, phosphines, stibines) from mattresses and other bedding, caused by the action of warmth on a common fungus that resides in the bedding. Wrapping mattresses or changing to non-toxic bedding is the answer. Jim Sprott in New Zealand told me that many adults also suffer from mild poisoning, but not at doses toxic enough to kill them. (This could explain many of those headaches that some people suddenly experience when they go to bed.)

We have weighed in on the greenhouse/global warming debate with several items in this edition, which should make many sit up and ponder the truth of what we are being told by various well-meaning organisations. There is increasing evidence to suggest that the Sun is far more important in determining climate change than is industry. Also, that solar activity (with very low oxygen levels in the upper atmosphere) is far more responsible for ozone layer depletion than the popularly blamed CFCs. Mind you, this doesn't mean we shouldn't eliminate chemical pollutants, preserve biodiversity, and work *with* and *for* Nature—instead of against it.

On a different matter, I wonder how many people are aware of the openly declared "mind-control" capabilities of the US military. The US Air Force has aircraft purpose-designed for using mind-control technology to broadcast subliminal messages while flying at high altitudes. The question remains: who are they using this technology on—their own people, foreign powers, or both? Judy Wall speculates that the next step is satellite-delivered mind control. Who knows, we could be the last free-thinking generation (if you can still describe Western society as free-thinking). Future generations may well have satellites monitoring their every thoughts and delivering either therapy or punishment to "mental" radicals.

As I write this editorial, the English crop circle season appears to be reaching a finish, but the mystery of "who" and "how" is far from over. I just hope that the black-and-white pictures of some of the formations this year inspire readers to visit the Crop Circle Connector website, <<http://cropcircleconnector.com>>, to see the full-colour pictures for themselves. They are spectacular!

Harvey Martin's article on psychic surgery is a must-read. While sceptics and true believers will always remain at opposite ends of the see-saw, most of us sit somewhere in the middle in terms of belief and explanation. This article will help many "fence-sitters" work out their position.

Today is the first day of September 1999, the start of Spring in the southern hemisphere, and suddenly the year 2000 seems all so near...

Duncan

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Letters to the Editor ...

Asthma Linked to Vaccinations

Dear Duncan: Congratulations on your continued good work.

I wanted to comment on one article in particular in the 6/05 edition—that by Dr Paul J. Ameisen, on the Buteyko method of dealing with asthma. Whilst well done, it failed to note one major underlying causal factor for asthma: that of vaccines.

For example, in one study in the UK it was found that children vaccinated against whooping cough were six times more likely to have asthma as those who hadn't been given the jab. This figure, because the DPT shot has been found to damage (through demyelination) cranial nerve systems, including those governing respiration. Thus, the over-breathing characteristic of asthma is an attempt to overcome the defence mechanisms of the body in responding to the stress and damage occasioned by the vaccination shots.

There has also been a link noted between asthma and the bacterium *Chlamydia pneumoniae*. Infection with this bug appears to trigger an inflammatory reaction which then predisposes babies and children to asthma. But, as with ear infections, also extremely common in babies and children these days, it is a matter of what came first.

With vaccines known for suppressing the immune system (occupied fighting their toxic load) and for triggering inflammatory reactions (that is their job, in order to stimulate the production of antibodies, occasioning other autoimmune conditions as well), it's no wonder that various bugs chronically take root in their wake. No wonder except, apparently, to the allopathic medical profession—which is another story...

In any event, this answers the question of why so much asthma is being triggered, and has been triggered in the last 50 years—a period precisely coinciding with the advent of mass vaccination programs. Seen in conjunction with other epidemic conditions in this same time-period, denoting various forms of brain damage—ADD/ADHD, dyslexia, autism, anorexia/bulimia, bipolar disorder, OCD, etc., etc.—the vaccination connection begins to become

clearer...for those who have eyes to see, that is.

As for tidal wave prognostications and such: keep breathing; just don't hyperventilate.

Yours sincerely, Stan Stanfield, Palm Beach, NSW, Australia

More "AIDS" Fallacies

Dear Editor: I was delighted to read the article by Val Turner and Andrew McIntyre in the June-July 1999 issue of NEXUS [6/04, Part 1]. "AIDS" is perhaps the biggest medical hoax of the century (if not many centuries), and I hope you find space in future issues to cover more on this subject.

Val Turner is well known to me and a frequent correspondent, and therefore knows my views regarding anal sex and "AIDS", so he will not be surprised that I take exception to his reference to this subject in his paper as well as to the reliability of Michael Callen's anecdotal statements regarding his sex life which supposedly killed him (2nd page, col. 1).

The authors state (5th page, col. 1): "Consistent also with the Eleopulos oxidative stress theory is the direct relationship between high frequencies of passive anal intercourse and the development of AIDS, as well as the fact that the only animal model of AIDS is non-infectious. Mice repeatedly injected with foreign cellular proteins [read sperm] develop a dramatic depletion of T4 cells and Kaposi's sarcoma-like tumours..."

The fact is that there is no correlation between "AIDS" and anal intercourse—which I revealed in my paper, "Anal Sex and AIDS" (*Continuum*, London, vol. 4, no. 4, Nov-Dec 1996, pp. 18-19). In this brief paper, I give data which indicate that anal sex is so ubiquitous in the human population, being practised in large numbers by heterosexuals, that any correlation with "AIDS" is impossible.

For example, in an article by Voeller (*AIDS and Sex*, Oxford University Press, 1990, p. 283), we can read that "In a survey of some 5,000 households, over 40% of those interviewed in rural Brazil considered anal intercourse a normal part of sexuality [emphasis mine], and over 50% of urban citizens in Rio de Janeiro did..." These astounding figures for heterosexuals are not generally known...

Incidentally, the counting of T4 cells in no way is a correlation with illness and is another fallacy which Dr Turner interjects to make his correlation. Before the "AIDS" construct, T4 cell counts had been totally discarded as indicating anything at all. They fluctuate wildly in individuals, and Dr Turner is only taking the CDC's line to prove his point on this issue. It is a specious argument. Many athletes and perfectly normal people have low T4 cell counts.

In the animal model referred to in the quotation above, it would appear that "Kaposi sarcoma-like tumours" are not the same as the true Kaposi's sarcoma which is diagnosed in "AIDS" patients and is invariably linked to the use of nitrite inhalers. It is a true cancer...

The evidence, therefore, would seem to point to drugs of all kinds, which is what Dr Peter Duesberg has been saying all along.

What, then, is the only thing that is new to the scene? Drugs! In the interview with Michael Callen, he is portrayed as having come down with "AIDS" because of his libertine lifestyle alone. This is a partial truth. The whole truth is that those who knew him have revealed that he was a heavy user of amyl nitrite (poppers) and other recreational drugs. I can also tell you that his diet was abominable. I heard him lecture in San Francisco and he urged those with "AIDS" to eat whole boxes of chocolates if they wished. In addition to all that, he was taking copious quantities of prescription drugs for his "AIDS" condition. That alone is enough to kill off anyone.

I lived through that period, also, and contracted most of the diseases (not all listed are necessarily venereal) that Callen did. I did, however, always eat well and exercise, and never used hard drugs such as poppers and cocaine.

The conclusion of most of us who have thought deeply about this situation is that about 95 per cent of all "AIDS" cases have been caused iatrogenically (i.e., by prescription drugs). Michael Callen might have survived, as I have, if he had eaten right, not taken the prescribed drugs and not

used recreational drugs.

That, in my mind, is the true story. At 70 years of age, I am living proof that one can live through such an experience. I am not advocating going back to that kind of lifestyle, but, in the end, one creates one's own destiny both physically and spiritually.

I have still the highest regard for the Perth group and its pioneering work on "AIDS", with only these minor differences. Their work on exposing the total hoax of African "AIDS" is superb, as is their work on the very existence of HIV.

Sincerely, Fred A. Cline, Jr, Facpat@aol.com

Pine Gap & the UFO Mystery

Dear Duncan: I've noted that you've forgotten in your Clinton-related death list [5/06] the name of Admiral Boorda. He was an Admiral of the US Navy and Commander-in-Chief of the Navy Seals. He was interested in UFOs and heavily involved in the Pine Gap affair.

I've found that in the same year of his death (1996), two strange events happened in Australia: the first, a group of Greenpeaceers disappeared in the desert, after interesting things were discovered about US presence at Pine Gap; the second, there was subsequently a UFO wave over your skies, but it ceased soon after Boorda's death...

I suppose that Boorda ordered the Greenpeaceers to be killed, and then someone killed the Admiral.

Pine Gap is one of the most important facilities on Earth. If someone from outer space... You've already got the message.

A friend from Italy, dpenati@usa.net

Healthy Dairy Products

Hi! I've seen NEXUS on the web, but just bought the first copy of the magazine (June-July issue, 6/04). I noticed a letter to the editor from Mary Angeline who objected to statements or implications from Enig and Fallon about animal products in the diet [6/01, 6/02].

While I agree that modern farm practices are questionable—true for meat, grains, vegetables, fruits, etc.—independent research long ago (e.g., Price and Pottenger) showed that a totally

... more Letters to the Editor

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

vegetarian diet is not associated with healthy, long-lived people groups and often it is the opposite, such as with the Inuit and, as she mentions, the Masai.

I'm afraid that Mary Angeline suffers from political correctness and emotional viewpoints, since her letter is extremely biased. For instance, in mentioning milk allergies, she avoids the fact that milk products are used in virtually every healthy, long-lived native group—but not in the form that is sold in our grocery stores! Does she do us a service to harp on allergies or bad dairy practices, rather than campaigning for healthy dairy products? I think not.

Keep on publishing folks like Enig and Fallon who don't fall for the newest big lie (like the great soy swindle).

Best regards, Virginia Raines, rainesco@earthlink.net

A Window on the World?

If you've ever experienced the following, please e-mail me.

While at work, walking outside in a small northwest Ohio town not far south of Toledo, I witnessed a window or door open up in the sky above a home at the end of a school playground.

In the window were humanoid beings dressed like us and they were pulling another similar being into the window. They were seated on or leaning over a ledge, it appeared, and I knew they knew I was witnessing their appearance. Then one reached up and pulled down on the door, and there was the sky again, clear as day.

I went on, about my business!
Jose Loyola, Ohio, USA,
ijwham@turbosurf.net

Men's Health at Risk

Dear Duncan: I wait with eager anticipation for every issue.

Today I watched a morning news show and the doctor on staff was discussing the "male Pill" (actually, it's a three-monthly injection of "progesterone"; she doesn't even know that it's progesterin). I was, needless to say, horrified. After reading all those wonderful articles by Sherrill Sellman on the dreadful health problems women have had to suffer from since the introduction of the Pill and HRT [4/04, 4/05,

6/02, etc.], it seems that now men, too, have to lay down their lives for the pharmaceutical companies' profit margin.

So many men I know accept that women's health has also been damaged by the xeno-oestrogens and endocrine disrupters in our environment, yet none seems to realise the damage done to them is just as great, if not a little harder to detect.

My question to you is: where are the articles to inform all you unsuspecting males what is happening to your bodies? Surely there is someone around who can write such an article?

Thank you for making me aware, angry, suspicious and a conspiracy nut. I have never felt so alive and in charge of my own life. Keep up the good work, and I will continue to spread the message.

Regards, Hella Hanus, Sydney, Australia, harryo@wolf.net.au

MTBE and Unleaded Fuels

Dear Sir: I am very concerned about the effects of MTBE seeping through the ground and into our water supplies. There have been reports of this happening in California, and many people who did not know the dangers of unleaded fuel, do so now.

I added my two bits some time back when I wrote Layton Black at the Texas Capitol building at Austin, Texas, about how I felt with the use of unleaded fuel. I thought it was dangerous then, and I believe it's dangerous now.

When I was a mechanic working in New Zealand, we converted a great deal of large American and Canadian cars to run on CNG or LPG, with very good results. We did a 1967 Impala with V8 and 2-bbl carburettor, and achieved almost 30 mpg with only a negligible loss in engine power. Had we in the US adopted these two alternative fuels, we could have still kept our large, luxury cars with the added bonus of the mpg—which some cars today are struggling to meet. We do have some vehicles here on CNG or LPG, but nowhere near enough.

If they take MTBE out of the unleaded fuel, I do wonder what they will replace it with. If it cannot be done successfully, and we cannot raise the octane rating safely, I can see the return of larg-

er, low-compression engines running on "pool" petrol. The modern, small, high-output engines will not have the cubic capacity to handle the job.

Yours sincerely, Keith Fontaine,
be-bop@n-link.com

David Icke's "Biggest Secret"

Hi, Duncan: Just a brief note to tell you that I agree with your analysis of David Icke's new book and of his demonisation of certain individuals purely on hearsay from very dubious sources.

The research is poor and the links and evidence presented are tenuous. Essentially it is a series of collated summaries of other people's work with a thread inserted to link them together. The thread is erroneous from the beginning and thus makes the book highly flawed.

When I helped edit the book, there was much in it I was not happy about, and I told David of mistakes and that he had misrepresented a great deal of the occult archetypes and myths. He told me that it was an initial draft which would be far more balanced on completion.

However, since he met—or was set up with—"eyewitness" Arizona Wilder, who claims to be an ex-mind-control slave, he has actually gone further down the road of false demonisation. I had not read the completed version nor seen the AW interview until the book had been out a while, and I had not realised that it was so imbalanced.

I was recommending people read the book and make up their own minds, as there is some powerful information in there, albeit buried in swathes of erroneous material. However, I now realise it is the erroneous areas which people are focussing on, and that the book is causing quite a bit of chaos in people's ability to see what is really going on. So I have now withdrawn from recommending the book.

I have information in the next edition of *The Truth Campaign* magazine which will clarify the reptilian issue and explain where David has been led to the wrong understanding on this.

The reptilian alien scare appears to have been a propaganda/MK-Ultra tool which has been in preparation for a long time. Many

who have been under government mind-control—Cathy O'Brien, the Montauk people, etc.—speak about this. The powers that be have tapped into the oldest and most powerful fear-thoughtform mankind has and are using it (Kabbalistic magic/demonology) to control the emerging UFO/New Age kind of followers of *The Biggest Secret*. Fear generation will create more fear, in a time when spiritual energies entering our sphere are increasing, thereby closing many off to the evolutionary impulses of the universe. A last-ditch panic by those working with and for the "dark elite"...

Laurence Gardner, however, is right on the money and his latest article links in with my own researches very closely. There are insights in there which reach right back to the most profound understandings of how Creation manifests...

Won't waffle. Thanks for the mag.

Ivan Fraser, *Truth Campaign*, 49 Trevor Terrace, North Shields, Tyne and Wear NE30 2DF, UK, ivan@truthcam.freemove.co.uk, www.vegan.swinternet.co.uk/truthcampaign.html

Should Yowies Stay a Mystery?

Dear Duncan: I read with great interest the article by Gary Optit on the existence of a so far undiscovered species of primate [6/05]. His evidence shows clearly that this creature must exist.

I feel that the numerous eyewitness accounts by people who have no real reason to concoct such strange stories only prove that the "authorities", who are always ready to dismiss anything they do not understand, should wake up and get a grasp on reality.

Do we really want, or need, to locate this mysterious creature? Perhaps we should leave it in peace and simply enjoy the fact that we do not know everything about the natural world. Isn't a little mystery good for us!

If I were a naturalist, which unfortunately I am not, I would prefer not to know about this creature—as the chase is far more stimulating than seeing the results on display in a museum or in a cage at the zoo.

Regards, David Burns,
ziggy0@hawknnet.com.au

VITAMIN A MAY HELP VACCINE-DAMAGED AUTISTIC CHILDREN

Autistic children are "waking up" as a result of a pioneering approach created by Mary N. Megson, MD, a developmental paediatrician in the United States.

Megson is testing the effects of natural vitamin A on children with autism. So far, results seem promising. "Many of these kids are waking up," Megson says.

Many autistic children develop normally until about 15 to 18 months of age. "Then all of a sudden, they shut down," says Megson, the former director of developmental paediatrics at the Children's Hospital in Richmond, Virginia.

But why do they shut down in the first place? Megson's theory is that the receptors in the brain, controlling vision, language and perception, may already be weakened in some children. These receptors may depend on natural forms of vitamin A, found in sources like cold water fish such as salmon.

For these at-risk children, Megson theorises it's possible that some vaccines may act as an "off switch" to the already weakened receptors. "The kids stop talking" and descend into a world of their own, she says.

Natural vitamin A may "switch on" these receptors, Megson says. Her patients take safe doses that she carefully monitors.



High dosages can be toxic, she cautions.

Bernard Rimland, PhD, of the Autism Research Institute (ARI), and Portia Iverson, of Cure Autism Now (CAN), both report that many parents of autistic children note symptoms soon after vaccinations.

The US-based National Vaccine Information Center (NVIC) reports significant increases in vaccine reactions, including immune system dysfunction and autistic behaviours as the required number of vaccinations increases.

(Source: *Vaccine Information & Awareness*, e-mail <via@access1.net>, website <www.access1.net/via>, 5 August 1999)

PEOPLE WANT IMPLANTS?

What started out as a humorous test in psychology over the Internet has turned into a shocking glimpse of the future.

Located at <www.idchip.com> and headlined "Building a Cashless World", the website is run by Global Monetary LLP which claims US\$5 billion in assets, offices in Seattle, Zurich, Nairobi, Montevideo and Singapore, and headquarters in Bentonville, Arizona.

Over the Internet, Global Monetary is offering qualified persons US\$250 if they take a below-the-skin electronic implant in the palm of their hand!

According to the Global Monetary website: "The IDchip™ implant is a very small electronic

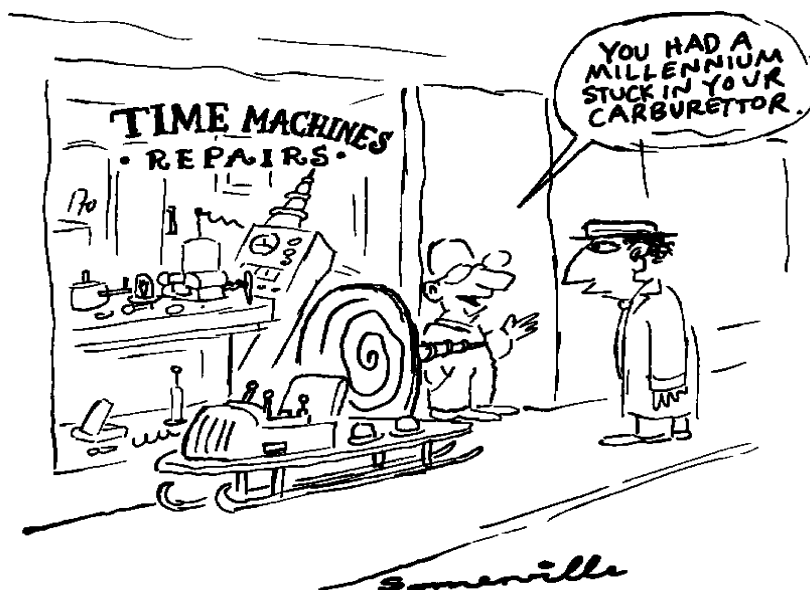
device that is painlessly implanted into the tissue of your right palm. It leaves no scar and is not visible in any way. You will not be able to feel it in your hand, as the device is mostly soft, flexible plastic. It will never need to be removed as it is continually recharged by the proprietary mouse." The computer mouse "interfaces directly with the electronic implant in your palm, thus establishing a foolproof electronic ID system for e-commerce over the Internet and in stores... Once operational, you will be able to purchase everything without the need of cash or even a credit card!"

On top of all this, we are told: "Global Monetary is very active in the world community and is an avid supporter of and contributor to the United Nations." Being big fans of the UN, Global Monetary even offers a computerised link to the organisation's website and a gallery of photos and information about recent wonderments of global intervention performed by the UN.

Of course, it is not real. The website is part of an intriguing project run by Bill Cross. He wants to record a glimpse of how humans will react when such chip technology actually becomes available in the 21st century.

And according to him, visitors are signing up for his imaginary implants in droves. Cross is totally confounded that so many people are willing to receive the "Mark of the Beast".

(Source: From a commentary by author Jim Keith, at website <www.nitronews.com/keith.html>, August 1999)



GM TEST SCIENTISTS PAID BY LEADING GM FOOD COMPANY

Two scientists responsible for independently verifying the safety of the UK Government's controversial genetically modified (GM) food trials are also being paid by a leading GM company.

Bob May and Alan Dewar of the Institute of Arable Crops Research, an organisation subsidised by the government, were appointed in June to help lead a team of "world-class scientists" to look at the potentially adverse impacts of the farm trials.

They had earlier been commissioned by Norfolk-based GM company AgrEvo to look for the environmental benefits of the company's crops. Dr May and Dr Dewar are testing AgrEvo's crops for the Department of the Environment.

In the past year, the UK Government has made great play that all official GM committees should be seen to be completely independent, after it was shown that many of its advisers had direct involvement with the biotechnology industry.

"How can scientists be working for the biotech companies on the benefits of the crops even, as they are supposed to be carrying out independent research on their risks?" asked Adrian Bebb of Friends of the Earth. "The farm-scale trials are becoming a farce."

(Source: By John Vidal and James Meikle, *The Guardian*, <www.newsunlimited.co.uk/gmdebate>, 4 August 1999)

"UNABOMBER" WAS A CIA MIND-CONTROL VOLUNTEER

It turns out that Theodore Kaczynski, aka the "Unabomber", was a volunteer in mind-control experiments sponsored by the CIA at Harvard in the late 1950s and early 1960s.

Michael Mello, author of the recently published book, *The United States of America vs Theodore John Kaczynski*, notes that at some point in his Harvard years—1958 to 1962—Kaczynski agreed to be the subject of "a psychological experiment". Mello identifies the chief researcher for these experiments only as a lieutenant colonel in World War II, working for the CIA's predecessor organisation, the OSS (Office of Strategic Services).

In fact, the man who experimented on the young Kaczynski was Dr Henry Murray, who died in 1988. Murray was recruited to the OSS at the start of the war,

applying his personality theories to the selection of agents and, presumably, also to interrogation.

As chairman of the Department of Social Relations at Harvard, Murray zealously prosecuted the CIA's efforts to carry forward experiments in mind control conducted by Nazi doctors in the concentration camps. The overall program was under the control of the late Sidney Gottlieb, head of the CIA's Technical Services division.

(Source: *Los Angeles Times*, 9 July 1999)

CIA ADMITS SPYING ON ANTI-GM BRITISH MINISTER

Agents of the US Central Intelligence Agency (CIA) have secretly investigated the UK Environment Minister, Michael Meacher.

Mr Meacher said last night [10 July] that he was "astonished" after the US Government confirmed that the CIA keeps a file on him. Compiled recently, it is believed to contain details of Mr Meacher's reservations about genetically modified foods which Washington promotes in Europe.

The CIA has refused to release details of the contents of its file, described by another department as a "biographical profile". However, enquiries by the *Telegraph* have uncovered no other files compiled by the CIA on British ministers.

Environment groups expressed alarm over the CIA's actions. Charles Secrett, director of Friends of the Earth, said: "The

immediate fear is that the CIA is working hand in glove with Monsanto [the US biotechnology company] to do anything they can to force this technology down our throats, whatever democratic politicians say. It would be dynamite if this file has anything about Michael Meacher's track-record on genetically modified crops and foods. What business is it of the CIA to worry about any politician's views about biotechnology products?"

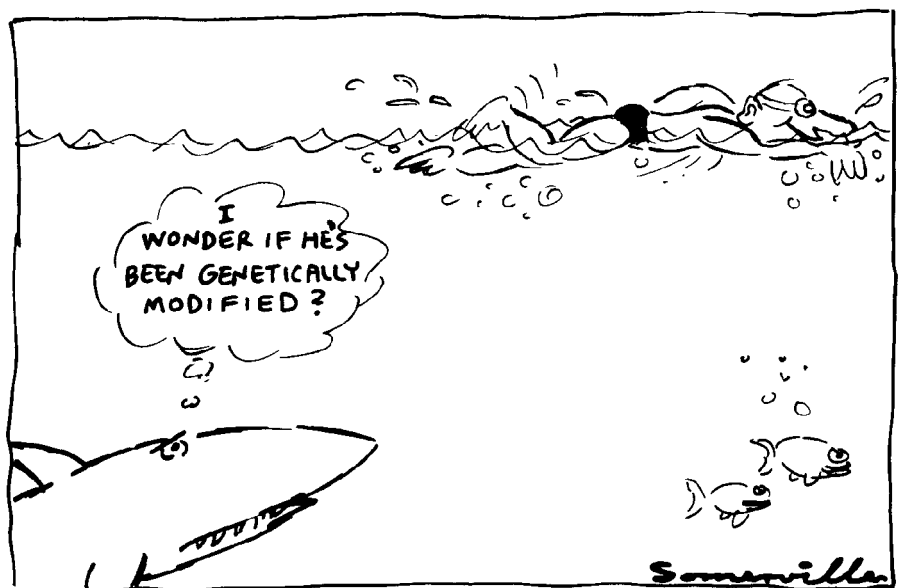
With the US pressing for GM products to be allowed more freely into Britain—despite British consumers' worries—GM food is emerging as a potential source of conflict between the two countries.

Within the government, Mr Meacher has been the most cautious on GM crops, insisting that none should be grown commercially before trial plantings establish whether they pose an environmental risk. He is also reconstituting the main committee advising ministers on GM foods, to reduce the number of members with links to the biotechnology industry. He is well regarded by environmentalists.

(Source: By Andrew Gilligan, Rob Evans and Greg Neale, *The Telegraph*, London, <www.telegraph.co.uk>, 11 July 1999)

UN FOOD AGENCY SUPPORTS EUROPEAN MORATORIUM ON MONSANTO'S GM MILK

The Codex Alimentarius Commission, the United Nations food and drugs safety agency representing 101 nations worldwide, has ruled unanimously in



... GLOBAL NEWS ...

favour of the 1993 European moratorium on Monsanto's GE hormone-treated milk (rBGH). This unexpected ruling, revealingly greeted by the US Press with deafening silence, is a powerful blow against US global trade policies which are strongly influenced by powerful multinational corporations such as Monsanto.

The Codex Commission ruling has also forced the US to abandon its threats to challenge the European moratorium before the World Trade Organization later this year. And, as importantly, the ruling represents the first large-scale defeat of genetically modified foods on unarguable scientific grounds, apart from ethical and ideological concerns.

(Source: *The Campaign for Food Safety*, <www.purefood.org/rbghlink.html>, 18 August 1999)

EARTH'S CHANGING ORBIT MAY EXPLAIN ICE AGES

Variations in the Earth's orbit around the Sun could explain why ice ages, which occur about every 100,000 years, have not been more regular.

"The Earth circles the Sun every year in an orbit that becomes either more elliptical or less elliptical over tens of thousands of years," says Jose Rial, a professor of geophysics at the University of North Carolina at Chapel Hill.

"Variations in the orbit over time chiefly account for the ice ages as differing amounts of sunlight warm the planet."

The shift from circular to elliptical and back is one of several known, long-term

changes in the Earth's orbit, called Milankovitch variations. They are named after Serbian astronomer-mathematician Milutin Milankovitch, whose theories about ice-age timings were accepted from the 1920s until about 30 years ago.

The orbital variation, known as "eccentricity", has two cycles: one every 100,000 years and one every 413,000 years. But while the 100,000-year cycle shows up in studies of ancient climate—as seen in samples taken from glacial ice-cores, old sediments, etc.—there has been no evidence of the 413,000-year cycle.

Writing in the journal *Science*, Rial says he has found the evidence and may thus have exonerated Milankovitch. He says the pattern looks like an FM (frequency modulated) radio wave. He does not know the physical mechanism behind it, but says it helps explain why the ice ages seem to have occurred at irregular intervals.

Other scientists have suggested that changes in the plane of the Earth's orbit, or periodic dipping into a dust ring that also circles the Sun, might have triggered the ice ages.

(Source: *Fox News*, <<http://foxnews.com>>, 24 July 1999)

OZONE HOLES CAUSED BY SOLAR WIND, NOT HUMANS

The hole in the ozone layer over the South Pole is due to the Sun, not people, according to research by a Chinese scientist, the Xinhua news agency reported on 20 June.

Yang Xuexiang, a professor of geologi-

cal sciences at Changchun University of Technology, believes the damage is caused by solar winds—a current of high-energy particles—rather than the use of freon, the official news agency said.

Yang, who is engaged in research into the evolution of the Earth and changes in global climate, published his research in an article in the May 1999 Chinese edition of *Scientific American*.

He argues that the solar wind has made the atmosphere at the South Pole thinner. The eruption of volcanoes in the southern hemisphere has then released large amounts of harmful gas, which has further damaged the ozone layer there.

The third factor is that the solar high-energy particle currents consume ozone at both the South Pole and the North Pole when they enter the Earth's atmosphere.

Yang argues that the northern hemisphere is where the use of freon is concentrated, and so, if the freon theory were correct, the ozone hole should have appeared above the North Pole instead of the South Pole, Xinhua reported.

(Source: *Agence France Presse*, *Xinhua news agency*, <www.insidechina.com>, 21 June 1999)

WHAT BUFORD FURROW'S E-MAIL ADDRESS MEANS

It has been revealed that Buford Furrow, the man who committed the bloody assault on a Jewish community centre in Los Angeles on 10 August, had an interesting e-mail address: <NSC-McChord@DDN-CONUS.DDN.MIL>.

- NSC: Denotes National Security Council.

- McChord: Denotes McChord Air Force Base, outside Seattle.

- DDN: This most likely means either Department of Defense Network or Defense Data Network.

- CONUS: This seems to indicate "Continental US".

- MIL: This is a military e-mail designation (written in all capital letters here).

This e-mail address for Buford Furrow was active until a little more than 24 hours after he turned himself in to his FBI handlers at their Las Vegas office on Wednesday 11 August.

Incidentally, Buford O'Neal Furrow Senior was in the Air Force for many years, most recently at Nellis AFB in Nevada.

(Source: *By John A. Quinn* <jaq@saber.net>, 17 August 1999, © NewsHawk Inc.)



"I stitched up a great deal getting 'em mass printed in Vietnam, shipped by a Liberian line, and distributed through the Club Med chain."

BIOTECH STOCKMARKET IN CONSUMER-LED DECLINE

Europe's biggest bank has advised the world's largest investors to sell their shares in leading companies involved in the development of genetically modified organisms (GMOs), because consumers do not want to buy their products.

In a report sent to several thousand of the world's large institutional investors (including British pension funds), Deutsche Bank says that "growing negative sentiment" is creating problems for leading companies, including Monsanto and Novartis.

"We note that Monsanto has spent more than US\$1.5 million [£1 million] to persuade English consumers of the rectitude of their position, but alas, to no avail. Monsanto is little match for Prince Charles, an anti-GMO advocate, when it comes to sensitivity for the English people's desires," says the report. "More broadly speaking, it appears the food companies, retailers, grain processors and governments are sending a signal to the seed producers that 'we are not ready for GMOs'."

Since the report was circulated to investors, share prices in the companies named have fallen against a rising trend in stockmarkets generally, and the frenzy to take over seed companies has stopped.

The concerns of European consumers are real, concludes the report. "European consumers have recently been through the 'mad cow' crisis, the French AIDS-tainted blood crisis, the Dutch pig plague crisis, the Belgium chicken dioxin crisis, the Belgian Coca-Cola crisis, etc. Therefore, hearing from unsophisticated Americans that their fears are unfounded may not be the best way of proceeding."

The report is a serious embarrassment to the British Labour party because its pension fund has large investments in two leading GM companies: AstraZeneca and Novartis, both of which are reportedly considering selling their GM divisions after years of heavy investments but few returns.

The report coincides with growing official unease about claims made for genetically modified crops. Recent US Government research has shown that GM crops of maize, soya and cotton do not automatically produce greater yields or lower the use of pesticides.

(Source: By Paul Brown and John Vidal, The Guardian, London, website <www.newsunlimited.co.uk>, 25 August 1999)

And now for something completely different...

NOT-FARMING

You have probably heard of the British fishermen paid not to fish, and European farmers paid not to grow their traditional crops, etc.—all to keep food prices and trade treaties in line for globalisation. America, it seems, is also feeling the hogwash...

Don't raise hogs, and make dollars now!

Dear Secretary of Agriculture,

My friends Darryl and Janica, over at Jonestown, Oklahoma, received a check the other day for US\$1,000 from the government for not raising hogs. So, I want to go into the "not raising hogs" business myself next year.

What I want to know is, in your opinion, what is the best type of farm not to raise hogs on, and what is the best breed of hogs not to raise?

I want to be sure that I approach this endeavor in keeping with all government policies. I would prefer not to raise Razor hogs, but if that is not a good breed not to raise, then I can just as easily not raise Yorkshires or Durocs.

As I see it, the hardest part of this program will be keeping an accurate inventory of how many hogs I have not raised. If I can get \$1,000 for not raising 50 hogs, will I get \$2,000 for not raising 100 hogs? I plan to operate on a small scale at first, holding myself down to about 4,000 "not raised" hogs, which will give me \$80,000 income the first year. Then I can buy an airplane.

Now, another thing: these hogs I will not raise will not eat 100,000 bushels of corn. I understand that you also pay farmers for not raising corn or wheat. Will I qualify for payments for not raising corn and wheat not to feed the 4,000 hogs I am not going to raise? I want to get started not feeding as soon as possible, as this seems to be a good time of the year not to raise hogs or grow grain.

I am also considering the "not milking cows" business, so please send me any information on that, also.

In view of these circumstances, I understand that the government will consider me totally unemployed, so I

plan to file for unemployment and food stamps as well.

Be assured that you will have my vote in the coming elections.

Patriotically yours,

Duster Benton

PS: Would you please notify me when you plan to distribute more free cheese?

(Source: Various Internet postings, August 1999)

MOVE OVER, REVERSE SPEECH...

An anagram is a word or phrase made by transposing or rearranging the letters of another word or phrase. The following are exceptionally clever:

Dormitory:	Dirty room
Evangelist:	Evil's agent
Desperation:	A rope ends it
The morse code:	Here come dots
Slot machines:	Cash lost in 'em
Animosity:	Is no amity
Mother-in-law:	Woman Hitler
Snooze alarms:	Alas, no more Zs
Alec Guinness:	Genuine class
Semolina:	Is no meal
A decimal point:	I'm a dot in place
The earthquakes:	That queer shake
Eleven plus two:	Twelve plus one
Contradiction:	Accord not in it
Princess Diana:	Ascend in Paris
The public art galleries:	Large Picture Halls, I Bet

"That's one small step for a man; one giant leap for mankind."

— Neil Armstrong

The anagram:

"Thin man ran, makes a large stride; left planet, pins flag on Moon; on to Mars."

And for the grand finale:

"To be or not to be: that is the question. Whether 'tis nobler in the mind to suffer the slings and arrows of outrageous fortune."

— William Shakespeare

The anagram:

"In one of the Bard's best-thought-of tragedies, our insistent hero, Hamlet, queries on two fronts about how life turns rotten."

A SOLAR-BASED ALTERNATIVE TO THEORIES OF GLOBAL WARMING

by Piers Corbyn, Weather Action, UK © 1997, 1999

1. Summary

The current "conventional" wisdom of man-made global warming is increasingly being called into question and is now clearly contradicted by reliable satellite measurements which indicate that no warming has taken place in the lower atmosphere (troposphere) as a whole over the last 20 years.

Hitherto, critics of the models which are used to support the conventional CO₂-centred greenhouse wisdom have concentrated on questioning the size of man-made effects rather than the fundamental assumptions that underlie those models. However, the failure of conventional CO₂-centred models to explain the observed facts necessitates a new approach.

Here, a new approach is put forward: namely, that the fundamental assumption of the primacy of CO₂ as a greenhouse gas is incorrect; and that, instead, natural forcing factors, especially solar activity, are essentially responsible for temperature changes. In particular, it is posited that solar activity and other natural factors govern the concentration of a number of important primary greenhouse gases (H₂O and O₃, for example) and these in turn control world temperatures, including sea temperatures. These temperatures then determine the natural dynamic equilibrium level of CO₂ which is consequently relegated to the status of a secondary greenhouse gas. This means most of the small quantity of CO₂ emitted by mankind's activity gets rapidly re-absorbed, and any temperature effect it might have is a "second order" effect of little import.

2. The relative importances of different greenhouse gases

There are numerous and mounting observational and theoretical reasons why traditional global climate models, used by the IPCC [Intergovernmental Panel on Climate Change] to make claims of climate change, are failing.¹⁻¹¹ However, the core reason for the failures of these models is now becoming clear: namely, they misunderstand the status of carbon dioxide as a greenhouse gas and overestimate its effects.

2.1 The sizes of greenhouse effects

Water vapour (H₂O), ozone (O₃), carbon dioxide (CO₂), methane (CH₄) and various oxides of nitrogen are all greenhouse gases which, by absorption of electromagnetic radiation and re-emission at different wavelengths, cause "greenhouse warming". The relative importance of these gases on different time scales is determined not by their absolute average effects—which, if constant, will have no bearing on climate change—but by the variation of their heating effects, here termed their "greenhouse importance" (GI).

The absolute greenhouse effect of water vapour is twice as large as that of CO₂ in its long-term, average, greenhouse effect (IPCC report), but more importantly it varies hugely in concentration in time and space. This means that the greenhouse effects of H₂O are much more important than greenhouse effects of CO₂.

However, traditional CO₂-centred models assume that water vapour variation is small on the time scales considered, and so it

is ignored. This assumption is invalid for two reasons:

(i) There is strong evidence that water vapour varies by large amounts on all time scales.²⁰

(ii) Water vapour content of the atmosphere, it appears, is strongly influenced by solar activity (such as changes in magnetic, particle, UV and X-ray effects) which varies by significant factors on all time scales.²⁰ As evidence of the reliability of this statement, it should be noted that knowledge of these effects is already used in the Solar Weather Technique (SWT) of long- and medium-range forecasting and in "solar factor enhancement" of traditional, short-range forecasts¹³ which work largely by predicting solar-activity-based changes in efficiency of water vapour condensation. Ozone (O₃) is also a powerful greenhouse gas. It shows similarly high variability on all observed time scales and is very strongly influenced by solar activity.¹⁶

2.2 Primary and secondary greenhouse gases

The facts about the relative sizes of greenhouse effects are enough to cast serious doubt on CO₂-centred models. However, examination of the temperature-dependence of CO₂ concentration¹⁻¹¹ shows the necessity to question the assumptions of traditional models. The new concepts of primary and secondary greenhouse gases and the corresponding alternative solar-based model of climate development firmly relegate CO₂ into the category of a secondary greenhouse gas and can explain the failures of traditional models to predict observations.

Ice core measurements covering the last 250,000 years and other observations¹⁻⁴ show that CO₂ levels generally follow temperature changes—not the other way around.²¹ This leads to the inescapable conclusion that the non-CO₂ factors which determine world temperatures, and thereby affect the dynamic equilibrium levels of CO₂, are dominant compared to any independent, CO₂-induced greenhouse warming effect.

What, then, determines world temperatures? There are many natural factors,^{18,19} but the key mediators of world temperatures must be the primary greenhouse gases: water vapour and ozone. This is partly because their GIs are greater than that of CO₂, but also, and more fundamentally, because their equilibrium levels are dictated by external forcing factors, especially solar activity, not temperatures. CO₂ is a secondary greenhouse gas because its concentration is mainly controlled by temperature. (For example, an increase in temperature reduces the absorptivity of the CO₂ by the oceans and results in an increase in atmospheric concentration, and a fall in temperature has the opposite effect.)

Primary greenhouse gases such as water vapour have more influence on world temperatures in the long run than secondary greenhouse gases, such as CO₂, because concentrations of the former are determined primarily by external, independent forcing factors, whereas the concentration of the latter is controlled primarily by temperatures through their effect on dynamic absorptivity rates.

Of course, in general terms, the detailed developments of concentration of some primary as well as secondary greenhouse gases are affected both by external forcing as well as by temperature-dependent feedback mechanisms. For primary greenhouse gases such as O₂ and H₂O, external factors (especially solar forcing) are dominant, whereas for secondary greenhouse gases, especially CO₂, temperature is dominant.

3. The size of solar-activity-based effects in determining world weather and climate

Much has been reported on the effects of solar activity on weather and climate on all time scales, and it has been well propounded that the most important factor affecting climate over periods of decades is solar activity.^{23, 24} In general, Sun-Earth weather relationships concern the high variability of particle, magnetic and some electromagnetic (e.g., UV) fluxes, rather than changes in visible radiance which show small variability.²⁵

There are several observational estimates which show quantitatively that solar-based factors are more significant than CO₂-centred greenhouse effects on various time scales.

3.1 Solar-magnetic modulation of cosmic ray enhancement of cloud formation (time scales of year to decades)

It has been suggested (and tentatively shown) that extra-solar cosmic ray particles induce cloud droplet formation by ionising water molecules. The higher solar magnetic fields present during periods of high solar activity keep some of these cosmic rays out of the solar system and the Earth's atmosphere, thereby reducing their cloud formation role which may result in an increase in temperature of the lower atmosphere or surface.²²

It has been estimated that the effect of this solar magnetic expulsion of cosmic rays by solar activity in the 1980s was to reduce the production of cloud condensation nuclei and hence cloud cover by about three per cent, which corresponds to solar heating reduction of 1.5 Wm⁻². This matches the official estimate of about 1.5 Wm⁻², of the effects of all man-made CO₂ added to the atmosphere so far.¹²

3.2 General solar effects, random accumulation (time scales of days and weeks to decades) and slow changes (time scales of decades to centuries)

Many extremes of weather have been correctly predicted by

the Solar Weather Technique (SWT) of long-range forecasting,^{13, 14} which depends on the prediction of solar effects. These extremes can therefore be reasonably attributed to changes in solar activity. Such temperature deviations from normal can be 2°C over a season. Therefore, a random addition of such (in principle, predictable) deviations over 25 years (100 seasons) could easily be (using "random walk" addition and binomial statistics): $2 / \sqrt{100} = 0.2$. Therefore, a 0.4°C change could reasonably be attributed from time to time to solar changes over 50 years. This is comparable to supposedly recent man-made CO₂ effects.

This argument for solar activity effects is even stronger when one considers the slow and extreme changes in solar activity which appear to have caused major cooling in the "Maunder minimum" period of the 17th century.

4. Solar activity magnifiers

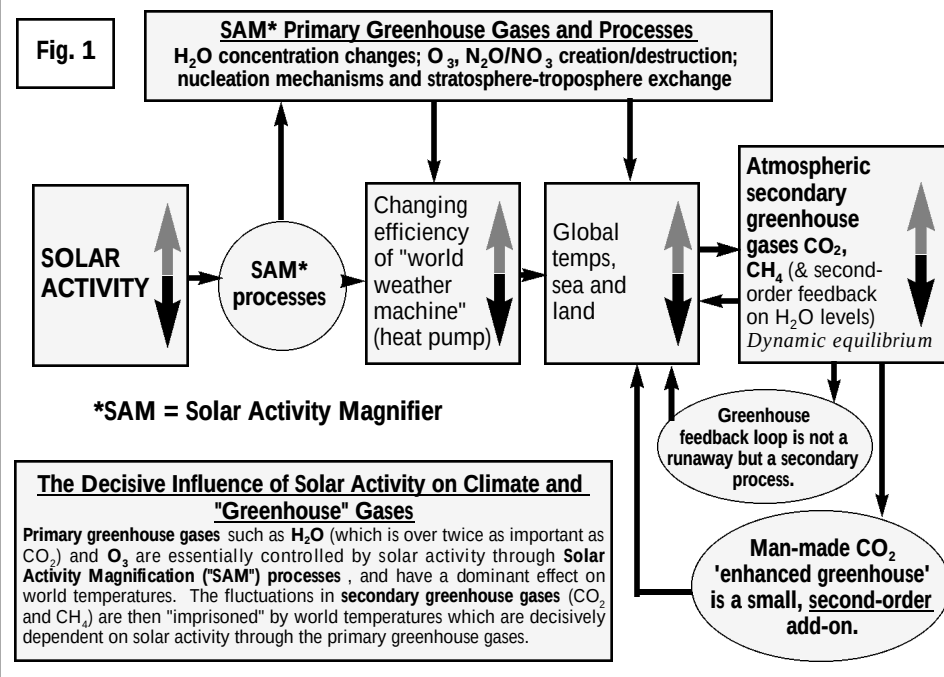
There are a number of Solar Activity Magnifier (SAM) processes which magnify the effects of solar activity on the atmosphere directly, by affecting the concentration of primary greenhouse gases, and, indirectly, by various solar-enhanced greenhouse mechanisms (SEGMs) of stratosphere-troposphere exchange.^{13, 15, 16} Mechanisms involved include particle and ultra-violet (UV) effects on ozone and many electrical effects on water vapour, and dynamic exchanges.

SAM processes also change the efficiency of frontal systems and the "world weather machine" which pumps heat from the equator to the poles. SAM processes have a decisive influence on world temperatures.

Dozens of potential mechanisms for Sun-Earth weather links and SAM processes are being researched in different parts of the world.¹⁷ This work clearly shows there are a number of channels of SAM processes and that it would be wrong to assume there is just one main SAM process.

The ozone UV effect magnifier process, for example, essentially involves competition between particle and UV (<209 nm) to modulate stratospheric O₃ concentration; which then, in turn, modulates flux of UV (>209 nm) into the lower atmosphere. This process is very sensitive to stratospheric wind directions,¹⁵ as are many SAM processes.

There is mounting evidence of the importance of solar forcing operating on all time scales and that, in particular, the world's most significant weather signals are probably "solar powered". Indeed, the Solar Weather Technique propounds, with increasing evidence, that the two most significant world weather signals—namely, the quasi-biennial oscillation in stratospheric wind (SQBO) and the El Niño phenomenon (ENSO)—are driven or triggered by solar activity.



5. A solar-based weather, climate and greenhouse model

The new approach needed which gives solar activity its proper place is summarised in figure 1, which is a diagrammatic representation showing the alternative theory of global warming.

Under this model (which does not consider volcanic activity at this stage, although this is known to modulate some Sun-Earth links), solar activity dominates the primary greenhouse gases and carbon dioxide is a secondary greenhouse gas.

Man's additions of CO₂ into the atmosphere are a small second-order effect, since the extra CO₂ is reabsorbed into the sea and biosphere at rates determined by temperatures which are controlled by primary greenhouse gases and thereby largely by various aspects of solar activity. The fact that world temperatures have risen (primarily due to external solar forcing and reductions in volcanic cooling) over the last hundred years, and thereby have caused an increase in dynamic equilibrium levels of CO₂, while at the same time mankind's emissions of CO₂ have increased, makes reliable unravelling of effects difficult.

Some estimates of the actual size of any man-made effects have been made, and one study²⁴ suggests that the combined man-made CO₂ and CH₄ effects may be up to one-third of observed changes. However, a closer consideration of the solar-based model would probably substantially reduce this figure.

Why CO₂-centred greenhouse theory is inadequate

1. Facts

- None of the greenhouse campaigns' catastrophic predictions has ever come true, and all their forecasts have been revised downwards.
- Satellite measurements do not show any global warming going on over the last few decades.
- There is nothing special happening in the world's weather now, when compared with the last few hundred years.
- All the so-called extreme events commonly attributed to global warming have been going on at various times for millions of years; for example, African droughts, bits of ice-caps breaking away, floods in America, periods of storms, ozone "holes" over Antarctica and the Arctic.
- 250,000 years of ice-core measurements in Antarctica show that world temperatures control CO₂ levels, rather than the other way around.

- Most of the so-called global warming of the last hundred years is probably in fact in response to relative global cooling 100 years ago (caused by volcanic dust) and other natural processes, many of which are influenced by solar activity.

2. Assumptions and Theory

Current CO₂-centred greenhouse computer models are fundamentally flawed for a number of reasons, such as:

- They ignore changes in water vapour which has a much higher greenhouse importance than CO₂. Its average absolute greenhouse heating effect is at least twice as large as that of CO₂ and, furthermore, it shows huge variations, much of which depend on solar activity (e.g., due to solar particles, UV radiation, etc.).
- They ignore the temperature-dependence of the dynamic interaction of CO₂ with sea water which covers 70 per cent of the world! This temperature-dependence of CO₂ absorptivity makes CO₂ a secondary greenhouse gas.
- They ignore all important interactions of sea life, algae, etc., with atmospheric CO₂.
- They ignore the crucial role of the quasibiennial oscillation of stratospheric winds (SQBO) in weather systems, which displays complex relationships with solar activity.
- They ignore variations in stratospheric ozone, which are strongly influenced by solar activity (both particle and UV).
- They ignore cosmic ray enhancement of efficiency of cloud nucleation, which is strongly influenced by solar (magnetic) activity. ∞

Editor's Notes:

- Piers Corbyn's paper was presented during the Climate Changes Symposium, Bonn, Germany, 10-11 November 1997 (text can be found at <www.weatheraction.com/scipubs/altgreen.htm>).
- Piers Corbyn is the Founder and Managing Director of Weather Action, an independent weather-forecasting company providing long-range weather forecasts for individuals, industry, commerce and agriculture. Weather Action works in conjunction with South Bank University and other institutions in the UK and worldwide to conduct ongoing research into Sun-Earth weather links.
- Contact details: Weather Action, South Bank Technopark, London Road, London SE1 6LN, UK, tel +44 (0)171 922 8844, fax +44 (0)171 401 8915, e-mail <info@weatheraction.com>, website <www.weatheraction.com/>.)

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COT DEATH (SIDS): WHAT CAUSES IT, AND HOW TO PREVENT IT

by Dr Jim Sprott © 1999

Toxic mattresses linked to cot death (crib death, or SIDS)

According to a number of published studies, cot death (sudden infant death syndrome, or SIDS) is caused by poisoning by extremely toxic nerve gases: phosphines, arsines and stibines.

These gases are produced in a baby's cot (or any other bed where a baby sleeps) by the action of common household fungi, such as *Scopulariopsis brevicaulis*, on compounds of phosphorus, arsenic and antimony present in the mattress and in certain other underbedding, e.g., sheepskins.

Compounds of the elements phosphorus, arsenic and antimony are very frequently present in bedding. In some instances they are added as part of the manufacturing process (e.g., for fire-retardant or plasticising purposes). In other instances they occur naturally (e.g., in sheepskins, kapok and tree bark).

Phosphines are produced from compounds of phosphorus; arsines from compounds of arsenic; and stibines from compounds of antimony. These gases shut down the central nervous system, resulting in cessation of heart and breathing function, and thereby causing cot death.

Babies can be protected from this gaseous poisoning by enclosing such bedding in a protective cover, e.g., polythene wrapping or a BabeSafe slip-on mattress cover. Provided the mattress is correctly wrapped, bedsharing does not cause cot death.

Face-up sleeping is only a partially preventive measure against cot death, as many babies have died sleeping face up on unwrapped mattresses. The danger of cot death increases when an unwrapped mattress is re-used from one baby to the next.

Analysis of baby bedding on the New Zealand market

In 1996, a wide selection of items of baby bedding on the New Zealand market was analysed for the presence of phosphorus, arsenic and antimony by Rooney Laboratories Ltd of Basingstoke, England. Analysis showed that all three elements were present, phosphorus being especially prevalent. Sheepskins were shown to contain all three elements. Results of the analysis are shown in table 1.

Many New Zealand sheepskins contain significant quantities of arsenic. Sheepskins have been shown by analysis to contain far more arsenic than is necessary to poison a baby by arsine gas generation via the action of common household fungi.

The fungal generation of arsines has been known for over a hundred years. This gas generation caused the deaths of thousands of children in Europe in the 1800s, until its cause was discovered by the Italian chemist Gosio in 1893.

A large proportion of cot deaths in New Zealand occur on sheepskins. Babies should *never* be put down to sleep on unprotected sheepskins.

Success of mattress-wrapping and BabeSafe products

Mattress-wrapping for cot death prevention, which has been publicised in New Zealand for over four years, has had a 100 per cent success rate.

More than 300 cot deaths occurred in New Zealand during the years 1995 to 1998 inclusive, but there has been no reported cot death among the tens of thousands of babies who have slept on mattresses wrapped to the Cot Life 2000 specifications.

The New Zealand cot death rate has fallen markedly since mattress-wrapping commenced in late 1994. From 1994 to 1997, the nationwide rate fell from 2.1/1000 live births to 1.4/1000, i.e., a reduction of 33 per cent. The reduction in the Pakeha (European) cot death rate was dramatic: approximately 65 per cent.

These major reductions in cot death cannot be attributed to the cot death prevention advice publicised by the New Zealand Ministry of Health and the New Zealand Cot Death Association. Between 1992 and 1997 there was no material change in that advice.

Sales information relating to BabeSafe mattress covers shows that tens of thousands of New Zealand babies have slept safely on wrapped mattresses, and also that mattress-wrapping has been enthusiastically adopted by Pakeha parents. The Ministry of Health has confirmed that mattress-wrapping is more prevalent among the Pakeha community than among other ethnic groups.

There is an urgent need for New Zealand baby-care professionals to stress mattress-wrapping advice to the Maori community. Although the incidence of Maori cot death has fallen since mattress-wrapping began, it is still high (3.5/1000). Whereas in the early 1990s the Maori cot death rate was about four times the Pakeha rate, it is now seven times the Pakeha rate. This, of course, reflects the marked decrease in Pakeha cot deaths since mattress-wrapping commenced.

Over the past four years, a considerable body of research has been reported which supports the toxic gas theory for cot death (on which mattress-wrapping is based).

Contrary to media publicity, the 1998 UK Limerick Report did not disprove the toxic gas theory—a fact which has been confirmed in the *New Zealand Medical Journal*. In fact, the Limerick Committee's experiments proved the gas generation on which the toxic gas theory for cot death is based.

Parents, however, are more interested in the practical proof: no reported cot death on a correctly wrapped mattress.

From 1995 to 1998 inclusive, over 300 cot deaths occurred in New Zealand. However, there has been no reported cot death on a BabeSafe mattress or mattress cover, or on a mattress correctly wrapped in polythene sheeting.

Research published on the toxic gas theory of cot death

• Publication of the toxic gas theory:

The toxic gas theory for cot death was published by British scientist Barry Richardson in 1994. See: "Sudden Infant Death Syndrome: a possible primary cause", *Journal of the Forensic Science Society* 34(3):199-204 (1994).

• Publication of proof of the gas generation involved:

The fungal generation of extremely toxic nerve gases from compounds of phosphorus, arsenic and antimony has been demonstrated many times over the last century. Recent confirmations include: "Toxic gas generation from plastic mattresses and sudden infant death syndrome", *Lancet* 346:1516-20 (1995); "Confirmation of the Biomethylation of Antimony Compounds", *Applied Organometallic Chemistry* 11:471-483 (1997).

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• **Publication of proof of the presence of fungal growth in babies' mattresses:**

Refer to "Sudden Infant Death Syndrome: a possible primary cause", *Journal of the Forensic Science Society* 34(3):199-204 (1994); and "Final Report of the Expert Group to Investigate Cot Death Theories: Toxic Gas Hypothesis" (Limerick Report), UK, May 1998.

• **Publication of proof of the presence of the elements phosphorus, arsenic and antimony in babies' bedding:**

Analyses of bedding have been reported by Dr Jim Sprott in *The Cot Death Cover-up?*, Penguin, 1996.

• **Publication of proof that the re-use of mattresses increases the risk of cot death (a corollary of the toxic gas theory):**

See "Case-control study of sudden infant death syndrome in Scotland, 1992-5", *British Medical Journal* 314:1516-20 (1997).

• **Publication of proof that later babies in a family are more at risk of cot death than first babies (a corollary of the fact that re-use of mattresses increases the risk of cot death):**

See "Risk factors of sudden infant death in Chinese babies", *American Journal of Epidemiology* 144:1070-73 (1997).

• **Publication of proof that face-up sleeping reduces the risk of cot death:**

All studies which show that face-up sleeping reduces the risk of cot death support the toxic gas theory. Face-up sleeping reduces the risk because the gases concerned are more dense than air; they diffuse away from a baby's mattress towards the floor, so a baby sleeping face-up is less likely to ingest them.

• **Publication of proof that cot death babies show physiological effects of gaseous poisoning:**

The study, "Decreased Kainate Receptor Binding in the Arcuate Nucleus of the Sudden Infant Death Syndrome", in *Journal of Neuropathology and Experimental Neurology* 56:1253-61 (1997), is proof that cot death babies have neurochemical deficits consistent with poisoning by nerve gases.

• **Publication of proof that cot death risk varies with mattress type:**

See report of the New Zealand Cot Death Study (1987-1990).

• **Publication of proof that the cot death risk in Britain is lower on PVC-covered mattresses:**

See the CESDI study, UK, reported in *Lancet* 345:720 (1995).

Any part of a baby's mattress which contains the chemicals phosphorus, arsenic and/or antimony is capable of the gas generation which causes cot death. Therefore, if a mattress is covered with a gas-impermeable diaphragm which does not contain those chemicals, the risk of cot death is eliminated.

Accordingly, following removal of those chemicals from British plastic-covered mattresses from 1989 onwards, the risk of cot death in Britain is less on PVC-covered mattresses (which are very frequently used in Britain). Thus the finding by the CESDI study, that babies are less at risk on PVC-covered mattresses, supports the toxic gas theory for cot death.

Preventing cot death with correct bedding and wrapping

The danger of cot death can be eliminated by ensuring that babies sleep on mattresses and underbedding known to be free from the elements phosphorus, arsenic and antimony. The BabeSafe range of mattresses complies with this requirement.

All other types of cot mattress (and any other mattresses on

which babies sleep, e.g. adults' mattresses, mattresses of other children, sheepskins, etc.) must be enclosed in a suitable slip-on mattress cover, such as the one available from BabeSafe, or in a polythene wrapping.

The wrapping should be a thick, natural-colour (not black) polythene sheeting or surgical rubber sheeting. Polythene suitable for this purpose is available at most garden centres. On no account should PVC (polyvinyl chloride) be used for wrapping mattresses.

Place the polythene or rubber over the top of the mattress and down the ends and sides, and then secure it firmly beneath the mattress with strong adhesive tape. The polythene or rubber on the underside of the mattress should not be airtight. It must be airtight on the top and sides of the mattress.

It is imperative to use the correct bedding on top of a polythene-wrapped mattress or BabeSafe mattress or mattress cover. Use a fleecy, pure cotton (flannelette) underblanket and tuck this in securely. Then make the bed using sheets and a pure cotton or pure woollen overblanket. Do not use any of the following as baby bedding: sheepskin; moisture-resistant cot mattress protector; acrylic underblanket; sleeping bag; duvet.

Contacts for BabeSafe products

BabeSafe products are available at baby care retail outlets throughout New Zealand. If you live outside New Zealand and would like to purchase BabeSafe products, contact:

• **in Australia:** Ms Louise Moas, 5/34 Salisbury Rd, Rose Bay, NSW 2029, tel (02) 9327 2208, fax (02) 9566 3022, e-mail <amit@fast.net.au>;

• **in UK:** Mrs Julee Oakley, 31 Ashridge Gardens, Honicknowle, Plymouth PL5 3PZ, tel +44 (0)1752 214089, fax +44 (0)1752 214089, e-mail <juleeoakley@juleeoakley.eurobell.co.uk>;

• **in USA:** Dr David D. Davis, 8381 El Paseo Grande, La Jolla, CA 92037, tel (619) 456 5897, fax (619) 456 9302, e-mail <drd@criblife2000.com>.

If you live elsewhere, contact: BabeSafe, PO Box 58-245, Greenmount, Auckland, New Zealand, tel +64 (0)9 273 9421, fax +64 (0)9 273 9421, e-mail <sprott@iconz.co.nz>.

About the Author:

Jim Sprott, OBE, MSc, PhD, FNZIC, is a consulting chemist and forensic scientist. During his wide-ranging career, he has been involved in forensic work on some of New Zealand's most famous criminal cases. In 1995 he received the OBE for services to forensic science and the community. He has been researching the cause of cot death for nearly 20 years. Dr Sprott is the author of *The Cot Death Cover-up?* (Penguin Books, 1996, ISBN 0-140-26198-2), and publishes a regular newsletter, *Cot Life 2000*, which is distributed to healthcare professionals, researchers and cot death associations.

Editor's Notes:

Jim Sprott's article was compiled and edited with his permission from the Cot Life 2000 website, <www.cotlife2000.com>, or <www.cotlife2000.co.nz>. Copies of his book, *The Cot Death Cover-up?*, can be obtained from: T. J. Sprott, 10 Combes Road, Auckland 5, New Zealand, tel/fax +64 (0)9 523 1150, e-mail <sprott@iconz.co.nz>.

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TABLE 1: RESULTS OF ANALYSIS OF BABY BEDDING ON THE NEW ZEALAND MARKET

Mfr	New products	phosphorus	arsenic	antimony
A	Waterproof wool mattress cover	+++	-	-
A	Bassinet mattress (polyester inner)	++	-	+++
A	Bassinet mattress (foam inner)	--	-	-
B	Imported PVC cot sheet	+++	-	-
C	PVC-lined cotton mattress protector	++	-	-
D	Acrylic underblanket	+	-	-
E	Sheepskin baby rug	+++++	+	++
F	Lambskin rug	+++++	+	+++
G	Ti-tree bark bassinet mattress	+++	-	-
H	Innersprung cot mattress	++	-	-
I	Ventilated cot mattress	++	-	+++
J	Kapok	++++	-	-
K	Innersprung cot mattress	++++	-	++++
L	Imported innersprung mattress	+++	-	+
No.	Used products	phosphorus	arsenic	antimony
1	Sheepskin baby rug	+++++	+	+++
2	Bassinet mattress	++++	-	-
3	Innersprung mattress	+++++	-	-
4	Foam mattress	++++	-	-
5	Foam mattress	+++++	-	-
6	Innersprung mattress	+++++	-	+
7	Coconut fibre	++++++	+	-
8	Foam mattress	++	-	-
9	Reconstituted foam mattress	+++++	-	-
10	Innersprung mattress	++++	-	+
11	Innersprung mattress	++++	-	+
12	Innersprung mattress	+++++	-	+++
13	Innersprung mattress	++++	-	-
14	Innersprung mattress	+++	-	-
15	Innersprung mattress	+++++	-	-
No.	Cot-death baby bedding	phosphorus	arsenic	antimony
CD1	Pillow cover	++	-	-
CD1	Pillow polyester inner	+	-	+++
CD2	Mattress cover	+++	-	-
CD2	Mattress foam	++	++	-
CD3	Mattress cover	+++	-	-
CD3	Mattress foam	+++	+	-
CD3	Sheepskin rug	++++++	+	++++
CD4	Mattress cover	+++	-	-
CD4	Mattress foam	-	-	-
CD5	Mattress foam	+	-	-
CD5	Mattress cover	+++++	-	-
CD5	Sheepfleece underlay	+++	-	-
CD5	Sheepskin rug	+++++	+	+++
CD5	Wool blanket	++	-	-

Key:

-	= not detected (<10 mg/kg)	++++	= 201 – 500 mg/kg
+	= 10 – 50 mg/kg	+++++	= 501 – 1000 mg/kg
++	= 51 – 100 mg/kg	++++++	= >1000 mg/kg
+++	= 101 – 200 mg/kg		

ECHELON

The NSA's Global Spying Network

The US National Security Agency uses the ECHELON system not only for surveillance of civilians and politicians, but also for spying on behalf of US corporations.

Part 2 of 2

by Patrick S. Poole © 1998/99

E-mail: pspoole@hiwaay.net
Website: <http://fly.hiwaay.net/~pspoole/echelon.html>

A fundamental foundation of free societies is that when controversies arise over the assumption of power by the state, power never defaults to the government, nor are powers granted without an extraordinary, explicit and compelling public interest. As the late United States Supreme Court Justice William Brennan pointed out:

The concept of military necessity is seductively broad and has a dangerous plasticity. Because they invariably have the visage of overriding importance, there is always a temptation to invoke security "necessities" to justify an encroachment upon civil liberties. For that reason, the military-security argument must be approached with a healthy skepticism: its very gravity counsels that courts be cautious when military necessity is invoked by the Government to justify a trespass on [Constitutional] rights.³²

Despite the necessity of confronting terrorism and the many benefits that are provided by the massive surveillance efforts embodied by ECHELON, there is a dark and dangerous side of these activities that is concealed by the cloak of secrecy surrounding the intelligence operations of the United States.

The discovery of domestic surveillance targeting American civilians for reasons of "unpopular" political affiliation or for no probable cause at all—in violation of the First, Fourth and Fifth Amendments of the Constitution—is regularly impeded by very elaborate and complex legal arguments and privilege claims by the intelligence agencies and the US Government. The guardians and caretakers of our liberties—our duly elected political representatives—give scarce attention to the activities, let alone the abuses, that occur under their watch. As pointed out below, our elected officials frequently become targets of ECHELON themselves, chilling any effort to check this unbridled power.

In addition, the shift in priorities resulting from the demise of the Soviet Empire, and the necessity to justify intelligence capabilities, resulted in a redefinition of "national security interests" to include espionage committed on behalf of powerful American companies. This quiet collusion between political and private interests typically involves the very same companies that are involved in developing the technology that empowers ECHELON and the intelligence agencies.

DOMESTIC AND POLITICAL SPYING

When considering the use of ECHELON on American soil, the pathetic historical record of NSA and CIA domestic activities in regard to the Constitutional liberties and privacy rights of American citizens provides an excellent guidepost for what may occur now with the ECHELON system. Since the creation of the NSA by President Truman, its spying capability has frequently been used to monitor the activities of an unsuspecting public.

Project SHAMROCK

In 1945, Project SHAMROCK was initiated to obtain copies of all telegraphic information exiting or entering the United States. With the full cooperation of RCA, ITT and Western Union (representing almost all of the telegraphic traffic in the US at the time), the NSA's predecessor and later the NSA itself were provided with daily microfilm copies of all incoming, outgoing and transiting telegraphs. This system changed dramatically when the cable companies began providing magnetic computer tapes to the agency, which enabled the agency to run all the messages through its HARVEST computer to look for

particular keywords, locations, senders or addressees.

Project SHAMROCK became so successful that in 1966 the NSA and CIA set up a front company in lower Manhattan (where the offices of the telegraph companies were located) under the code-name LPMEDLEY. At the height of Project SHAMROCK, 150,000 messages a month were printed and analysed by NSA agents.³³

NSA Director Lew Allen brought Project SHAMROCK to a crashing halt in May 1975 as congressional critics began to rip open the program's shroud of secrecy. The testimony of both the representatives from the cable companies and Director Allen at the hearings prompted Senate Intelligence Committee chairman Senator Frank Church to conclude that Project SHAMROCK was "probably the largest government interception program affecting Americans ever undertaken".³⁴

Project MINARET

A sister project to Project SHAMROCK, Project MINARET involved the creation of "watch lists", by each of the intelligence agencies and the FBI, of those accused of "subversive" domestic activities. The watch lists included such notables as Martin Luther King, Malcolm X, Jane Fonda, Joan Baez and Dr Benjamin Spock.

After the Supreme Court handed down its 1972 Keith decision³⁵— which held that, while the President could act to protect the country from unlawful and subversive activity designed to overthrow the government, that same power did not extend to include warrantless electronic surveillance of domestic organisations—pressure came to bear on Project MINARET.³⁶ Attorney-General Elliot Petersen shut down Project MINARET as soon as its activities were revealed to the Justice Department, despite the fact that the FBI (an agency under the Justice Department's authority) was actively involved with the NSA and other intelligence agencies in creating the watch lists.

Operating between 1967 and 1973, over 5,925 foreigners and 1,690 organisations and US citizens were included on the Project MINARET watch lists. Despite extensive efforts to conceal the NSA's involvement in Project MINARET, NSA Director Lew Allen testified before the Senate Intelligence Committee in 1975 that the NSA had issued over 3,900 reports on the watch-listed Americans.³⁷ Additionally, the NSA Office of Security Services maintained reports on at least 75,000 Americans between 1952 and 1974. This list included the names of anyone who was mentioned in an NSA message intercept.

Operation CHAOS

While the NSA was busy snooping on US citizens through Projects SHAMROCK and MINARET, the CIA got into the domestic spying act by initiating Operation CHAOS. President Lyndon Johnson authorised the creation of the CIA's Domestic Operations Division (DOD), whose purpose was to "exercise centralised responsibility for direction, support and coordination of clandestine operations activities within the United States".

When Johnson ordered CIA Director John McCone to use the DOD to analyse the growing college student protests against the Administration's policy towards Vietnam, two new units were set

up to target anti-war protesters and organisations: Project RESISTANCE, which worked with college administrators, campus security and local police to identify anti-war activists and political dissidents; and Project MERRIMAC, which monitored any demonstrations being conducted in the Washington, DC, area. The CIA then began monitoring student activists and infiltrating anti-war organisations by working with local police departments to pull-off burglaries, illegal entries (black bag jobs), interrogations and electronic surveillance.³⁸ After President Nixon came to office in 1969, all of these domestic surveillance activities were consolidated into Operation CHAOS.

After the revelation of two former CIA agents' involvement in the Watergate break-in, the publication of an article about CHAOS in the *New York Times*³⁹ and the growing concern about distancing itself from illegal domestic spying activities, the CIA shut down Operation CHAOS. But during the life of the project, the Church Committee and the Commission on CIA Activities Within the United States (the Rockefeller Commission) revealed that the CIA had compiled files on over 13,000 individuals, including 7,000 US citizens and 1,000 domestic organisations.⁴⁰

The Foreign Intelligence Surveillance Court (FISC)

In response to the discovery of such a comprehensive effort by previous administrations and the intelligence agencies, Congress passed legislation (the Foreign Intelligence Surveillance Act of 1978)⁴¹ that created a top-secret court, the Foreign Intelligence Surveillance Court (FISC), to hear applications for electronic surveillance from the FBI and NSA to provide some check on the domestic activities of the agencies. In 1995, Congress granted the court additional power to authorise surreptitious entries. In all of these actions, congressional intent was to provide a check on the domestic surveillance abuses mentioned above.

The seven-member court, comprised of Federal District Court judges appointed by the Supreme Court Chief Justice, sits in secret in a sealed room on the top floor of the Department of Justice building. Public information about the FISC's hearings is scarce, but each year the Attorney-General is required by law to transmit to Congress a report detailing the number of applications each year and the number granted.

With over 10,000 applications submitted to the FISC during the past 20 years, the court has only rejected one application (and that rejection was at the request of the Reagan Administration, which had submitted the application).

While the FISC was established to be the watchdog for the Constitutional rights of the American people against domestic surveillance, it quickly became the lap dog of the intelligence agencies. Surveillance requests that would never receive a hearing in a state or federal court are routinely approved by the FISC. This has allowed the FBI to use the process to conduct surveillance to obtain evidence in circumvention of the US Constitution, the evidence then being used in subsequent criminal trials. But the process established by Congress and the courts ensures that information regarding the cause or extent of the surveillance order is withheld from defence attorneys because of the classified nature of the court.⁴² Despite Congress's initial intent for the FISC, it is doubtful that domestic surveillance by means of ECHELON comes under any scrutiny by the court.

This quiet collusion between political and private interests typically involves the very same companies that are involved in developing the technology that empowers ECHELON and the intelligence agencies.

POLITICAL USES OF ECHELON AND UKUSA

Several incidents of domestic spying involving ECHELON have emerged from the secrecy of the UKUSA relationship. What these brief glimpses inside the intelligence world reveal is that, despite the best of intentions by elected representatives, presidents and prime ministers, the temptation to use ECHELON as a tool of political advancement and repression proves too strong.

Former Canadian spy Mike Frost recounts how former British Prime Minister Margaret Thatcher made a request in February 1983 to have two ministers from her own government monitored when she suspected them of disloyalty. In an effort to avoid the legal difficulties involved with domestic spying on high-level governmental officials, the GCHQ liaison in Ottawa made a request to CSE for them to conduct the three-week-long surveillance mission at British taxpayer expense. Frost's CSE boss, Frank Bowman, travelled to London to do the job himself. After the mission was over, Bowman was instructed to hand over the tapes to a GCHQ official at head office.⁴³

Using the UKUSA alliance as legal cover is seductively easy. As *Spyworld* co-author Michel Gratton puts it:

"The Thatcher episode certainly shows that GCHQ, like NSA, found ways to put itself above the law and did not hesitate to get directly involved in helping a specific politician for her personal political benefit..."

"[T]he decision to proceed with the London caper was probably not put forward for approval to many people up the bureaucratic ladder. It was something CSE figured they would get away with easily, so checking with the higher-ups would only complicate things unnecessarily."⁴⁴

Frost also told of how he was asked in 1975 to spy on an unlikely target: Prime Minister Pierre Trudeau's wife, Margaret Trudeau. The Royal Canadian Mounted Police's (RCMP) Security Service division was concerned that the Prime Minister's wife was buying and using marijuana, so they contacted the CSE to do the dirty work. Months of surveillance in cooperation with the Security Service turned up nothing of note. Frost was concerned that there were political motivations behind the RCMP's request: "She was in no way suspected of espionage. Why was the RCMP so adamant about this? Were they trying to get at Pierre Trudeau for some reason or just protect him? Or were they working under orders from their political masters?"⁴⁵

The NSA frequently gets into the political spying act as well. Nixon presidential aide John Ehrlichman revealed in his published memoirs, *Witness to Power: The Nixon Years*, that Henry Kissinger used the NSA to intercept the messages of then-Secretary of State William P. Rogers, which Kissinger used to convince President Nixon of Rogers' incompetence. Kissinger also found himself on the receiving end of the NSA's global net. Word of Kissinger's secret diplomatic dealings with foreign governments would reach the ears of other Nixon administration officials, incensing Kissinger. As former NSA Deputy Director William Colby pointed out: "Kissinger would get sore as hell...because he wanted to keep it politically secret until it was ready to launch."⁴⁶

However, elected representatives have also become targets of spying by the intelligence agencies. In 1988, Margaret Newsham, a former Lockheed software manager who was responsible for a

dozen VAX computers that powered the ECHELON computers at Menwith Hill, came forth with the stunning revelation that she had actually heard the NSA's real-time interception of phone conversations involving South Carolina Senator Strom Thurmond. Newsham was fired from Lockheed after she filed a whistleblower lawsuit alleging that the company was engaged in flagrant waste and abuse. After a top-secret meeting in April 1988 with then Chairman of the House Permanent Select Committee on Intelligence, Rep. Louis Stokes, Capitol Hill staffers familiar with the meeting leaked the story to the Cleveland *Plain Dealer*.⁴⁷ While Sen. Thurmond was reluctant to pressure for a thorough investigation into the matter, his office revealed at the time that it had previously received reports that the Senator was a target of the NSA.⁴⁸ After the news reports, an investigation into the matter discovered that there were no controls or questioning over who could enter target names into the Menwith Hill system.⁴⁹

The NSA, under orders from the Reagan Administration, also targeted Maryland Congressman Michael Barnes. Phone calls he placed to Nicaraguan officials were intercepted and recorded, including a conversation he had with the Foreign Minister of

Nicaragua, protesting the implementation of martial law in that country. Barnes found out about the NSA's spying after White House officials leaked transcripts of his conversations to reporters. CIA Director William Casey, later implicated in the Iran-Contra affair, showed Barnes a Nicaraguan Embassy cable that reported a meeting between embassy staff and one of Barnes' aides. The aide had been there on a professional call regarding an international affairs issue, and Casey asked for Barnes to fire the aide. Barnes replied that it was perfectly legal and legitimate for his staff to meet with foreign diplomats.

Barnes commented: "I was aware that NSA monitored international calls, that it was a standard part of intelligence gathering. But to use it for domestic political purposes is absolutely outrageous and probably illegal."⁵⁰

Another former chairman of the Senate Intelligence Committee has also expressed his concerns about the NSA's domestic targeting. "It has always worried me. What if that is used on American citizens?" queried former Arizona Senator Dennis DeConcini. "It is chilling. Are they listening to my private conversations on my telephone?"⁵¹

Seemingly non-controversial organisations have ended up in the fixed gaze of ECHELON, as several former GCHQ officials confidentially told the London *Observer* in June 1992. Among the targeted organisations they named were Amnesty International, Greenpeace, and Christian Aid—an American missionary organisation that works with indigenous pastors engaged in ministry work in countries closed to Western, Christian workers.⁵²

In another story published by the London *Observer*, a former employee of the British Joint Intelligence Committee, Robin Robison, admitted that Margaret Thatcher had personally ordered the communications interception of Lonrho, the parent company of the *Observer*, after the *Observer* had published a 1989 exposé charging that bribes had been paid to Thatcher's son, Mark, in a multibillion-dollar British arms deal with Saudi Arabia. Despite facing severe penalties for violating his indoctrination vows, Robison admitted that he had personally delivered intercepted Lonrho messages to Mrs Thatcher's office.⁵³

Seemingly non-controversial organisations have ended up in the fixed gaze of ECHELON... Among the targeted organisations...were Amnesty International, Greenpeace, and Christian Aid...

It should hardly be surprising that ECHELON ends up being used by elected and bureaucratic officials to their political advantage or by the intelligence agencies themselves for the purpose of sustaining their privileged surveillance powers and bloated budgets. The availability of such invasive technology practically begs for abuse, although it does not justify its use to those ends. But what is most frightening is the targeting of such "subversives" as those who expose corrupt government activity, protect human rights from government encroachments, challenge corporate polluters or promote the Gospel of Christ. That the vast intelligence powers of the United States should be arrayed against legitimate and peaceful organisations is demonstrative not of the desire to monitor, but of the desire to control.

COMMERCIAL SPYING

With the rapid erosion of the Soviet Empire in the early 1990s, Western intelligence agencies were anxious to redefine their mission to justify the scope of their global surveillance system. Some of the agencies' closest corporate friends quickly gave them an option: commercial espionage. By redefining the term "national security" to include spying on foreign competitors of prominent US corporations, the signals intelligence game has got uglier. And this may very well have prompted the recent scrutiny by the European Union that ECHELON has endured.

While UKUSA agencies have pursued economic and commercial information on behalf of their countries with renewed vigour after the passing of communism in Eastern Europe, the NSA practice of spying on behalf of US companies has a long history.

Gerald Burke, who served as Executive Director of President Nixon's Foreign Intelligence Advisory Board, notes commercial espionage was endorsed by the US Government as early as 1970: "By and large, we recommended that, henceforth, economic intelligence be considered a function of the national security, enjoying a priority equivalent to diplomatic, military and technological intelligence."⁵⁴

To accommodate the need for information regarding international commercial deals, the intelligence agencies set up a small, unpublicised department within the Department of Commerce: the Office of Intelligence Liaison. This office receives intelligence reports from the US intelligence agencies about pending international deals that it discreetly forwards to companies that request it or may have an interest in the information.

Immediately after coming to office in January 1993, President Clinton added to the corporate espionage machine by creating the National Economic Council, which feeds intelligence to "select" companies to enhance US competitiveness. The capabilities of ECHELON to spy on foreign companies is nothing new, but the Clinton Administration has raised its use to an art.

In 1990, the German magazine *Der Spiegel* revealed that the NSA had intercepted messages about an impending \$200 million deal between Indonesia and the Japanese satellite manufacturer NEC Corp. After President Bush intervened in the negotiations on behalf of American manufacturers, the contract was split between NEC and AT&T.

In 1994, the CIA and NSA intercepted phone calls between Brazilian officials and the French firm Thomson-CSF about a

radar system that the Brazilians wanted to purchase. The US firm Raytheon was a competitor as well, and was forwarded reports prepared from intercepts.⁵⁵

In September 1993, President Clinton asked the CIA to spy on Japanese auto manufacturers that were designing zero-emission cars and to forward that information to the Big Three US car manufacturers: Ford, General Motors and Chrysler.⁵⁶ In 1995, the *New York Times* reported that the NSA and the CIA's Tokyo station were involved in providing detailed information to US Trade Representative Mickey Kantor's team of negotiators in Geneva, facing Japanese car companies in a trade dispute.⁵⁷ Recently, the Japanese newspaper *Mainichi* accused the NSA of continuing to monitor the communications of Japanese companies on behalf of American companies.⁵⁸

Insight magazine reported in a series of articles in 1997 that President Clinton ordered the NSA and FBI to mount a massive surveillance operation at the 1993 Asia-Pacific Economic Cooperation (APEC) conference, held in Seattle. One intelligence source for the story related that over 300 hotel rooms had been bugged for the event—a move which was designed to obtain information regarding oil and hydro-electric deals pending in Vietnam, that was passed on to high-level Democratic Party contributors competing for the contracts.⁵⁹

But foreign companies were not the only losers. When

Vietnam expressed interest in purchasing two used 737 freighter aircraft from an American businessman, the deal was scuttled after Commerce Secretary Ron Brown arranged favourable financing for two new 737s from Boeing.⁶⁰

But the US is not the only partner of the UKUSA relationship which engages in such activity. British Prime Minister Margaret Thatcher ordered the GCHQ to monitor the activities of international media mogul Robert Maxwell on behalf of the Bank of England.⁶¹

Former CSE linguist and analyst Jane Shorten claimed that she had seen intercepts from Mexican trade representatives

during the 1992–1993 NAFTA trade negotiations, as well as 1991 South Korean Foreign Ministry intercepts dealing with the construction of three Canadian CANDU nuclear reactors for the Koreans in a US\$6 billion deal.⁶² Shorten's revelation prompted Canadian Deputy Prime Minister Sheila Copps to launch a probe into the allegations after the Mexicans lodged a protest.

But every spy agency eventually gets beat at its own game. Mike Frost relates in *Spyworld* how an accidental cellphone intercept in 1981, of the American Ambassador to Canada discussing a pending grain deal that the US was about to sign with China, provided Canada with the American negotiating strategy for the deal. The information was used to outbid the US, resulting in a three-year, \$2.5-billion contract for the Canadian Wheat Board. CSE out-spooked the NSA again a year later when Canada snagged a \$50-million wheat sale to Mexico.⁶³

Another disturbing trend regarding the present commercial use of ECHELON is the incestuous relationship that exists between the intelligence agencies and the US corporations that develop the technology that fuels their spy systems. Many of the companies that receive the most important commercial intercepts—Lockheed, Boeing, Loral, TRW and Raytheon—are actively involved in the manufacturing and operation of many of the spy systems that comprise ECHELON.

While UKUSA agencies have pursued economic and commercial information on behalf of their countries with renewed vigour after the passing of communism, the NSA practice of spying on behalf of US companies has a long history.

The collusion between intelligence agencies and their contractors is frightening in the chilling effect it has on creating any foreign or even domestic competition. But just as important is that it is a gross misuse of taxpayer-financed resources.

THE WARNING

While the UKUSA relationship is a product of Cold War political and military tensions, ECHELON is purely a product of the 20th century—the century of "statism". The modern drive toward the assumption of state power has turned legitimate national security agencies and apparati into pawns in a manipulative game, where the stakes are no less than the survival of the Constitution. The systems developed prior to ECHELON were designed to confront the expansionist goals of the Soviet Empire—something the West was forced out of necessity to do.

But as Glyn Ford, European Parliament representative for Manchester, England, and the driving force behind the European investigation of ECHELON, has pointed out: "The difficulty is that the technology has now become so elaborate that what was originally a small client list has become the whole world."⁶⁴

What began as a noble alliance to contain and defeat the forces of communism has turned into a *carte blanche* to disregard the rights and liberties of the American people and the population of the free world. As has been demonstrated time and again, the NSA has been persistent in subverting not just the *intent* of the law in regard to the prohibition of domestic spying, but the *letter* as well. The laws that were created to constrain the intelligence agencies from infringing on our liberties are frequently flaunted, re-interpreted and revised according to the bidding and wishes of political spymasters in Washington, DC. Old habits die hard, it seems.

As stated above, there is a need for such sophisticated surveillance technology. Unfortunately, the world is filled with criminals, drug lords, terrorists and dictators who threaten the peace and security of many nations. The thought that ECHELON can be used to eliminate or control these international thugs is heartening. But defenders of ECHELON argue that the rare intelligence victories over these forces of darkness and death give wholesale justification to indiscriminate surveillance of the entire world and every member of it. But more complicated issues than that remain.

The shameless and illegal targeting of political opponents, business competitors, dissidents and even Christian ministries stands as a testament that if we are to remain free, we must bind these intelligence systems and those that operate them with the heavy chains of transparency and accountability to our elected officials. But the fact that the ECHELON apparatus can be quickly turned around on those same officials in order to maintain some advantage for the intelligence agencies indicates that these agencies are not presently under the control of our elected representatives.

That Congress is not aware of or able to curtail these abuses of power is a frightening harbinger of what may come here in the United States. The European Parliament has begun the debate over what ECHELON is, how it is being used and how free countries should use such a system. The US Congress should join that same debate with the understanding that the consequences of

ignoring or failing to address these issues could foster the demise of our republican form of government. Such is the threat, as Senator Frank Church warned the American people over twenty years ago:

At the same time, that capability at any time could be turned around on the American people and no American would have any privacy left, such [is] the capability to monitor every thing: telephone conversations, telegrams, it doesn't matter. There would be no place to hide. If this government ever became a tyranny, if a dictator ever took charge in this country, the technological capacity that the intelligence community has given the government could enable it to impose total tyranny, and there would be no way to fight back, because the most careful effort to combine together in resistance to the government, no matter how privately it was done, is within the reach of the government to know. Such is the capability of this technology...

*I don't want to see this country ever go across the bridge. I know the capacity that is there to make tyranny total in America, and we must see to it that this agency and all agencies that possess this technology operate within the law and under proper supervision, so that we never cross over that abyss. That is the abyss from which there is no return.*⁶⁵

"The difficulty is that the technology has now become so elaborate that what was originally a small client list has become the whole world."

Glyn Ford,
European Parliament representative
for Manchester, England

RECENT DEVELOPMENTS

Since this author's ECHELON report was first sent to the US Congress in November 1998, increased attention has been directed at the spy system by international media outlets and governmental representatives. As news of the system's sweeping technological capability comes to light, questions continue to be raised concerning the possible illicit uses of the system to circumvent domestic civil liberties protections.

The May 1999 publication of British investigator Duncan Campbell's detailed report, "Interception Capabilities 2000",

for the European Parliament's Science and Technology Options Assessment Panel (STOA) continued to expose the scope of ECHELON's supporting facilities and the reach of its surveillance technology. Among the report's key findings:⁶⁶

- While "word spotting" search systems have been previously thought to be widespread throughout the system, evidence indicates that this nascent technology is currently ineffective. However, ECHELON utilises speaker recognition system "voiceprints" to recognise the speech patterns of targeted individuals making international telephone calls.

- US law enforcement agencies are working with their European counterparts under the auspices of a previously secret organisation, ILETS (International Law Enforcement Telecommunications Seminar), to incorporate backdoor wiretapping capabilities into all existing forms of communications systems. In addition, the US Government is continuing to pursue diplomatic initiatives to convince other governments to adopt "key escrow" legislation requiring computer users to provide law enforcement agencies with encryption keys.

- The NSA continues to work with US software manufacturers to weaken the cryptographic capability of popular software programs, such as Lotus Notes and Internet browsers, to assist the

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UNRAVELLING THE ENIGMA OF *PSYCHIC SURGERY*

***Filipino Christian
Spiritist healers
claim they perform
their miraculous,
fourth-dimensional
operations through
the intercession of
Spirit Protectors
under the direction
of Jesus Christ.***

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Metamind Publications
PO Box 15548
Savannah, GA 31416, USA
Tel: 1888 777 7417 (toll-free in USA)
Fax: +1 (912) 598 4900
E-mail: enigma@sysconn.com
Website: www.metamind.net

Of all the controversies that have emerged around the various forms of spiritual healing, none has reached the level of controversy surrounding "psychic surgery". In the 1958 book, *Into the Strange Unknown*, written by reporters Ron Ormond and Ormond McGill, are the first references to what would later be termed "psychic surgery". Ron Ormond used the term "fourth-dimensional operations" to describe the paranormal healing work of Eleuterio Terte, whom Ormond referred to as a "fourth-dimensional surgeon".

Ormond wrote: "A patient suffering from what had been diagnosed as a gallstone lay on the table, abdomen bared. Terte's thumb and forefinger of his right hand sank out of sight into the flesh. As his fingers disappeared within the man, the choir commenced their singing, stopping only when the healer's hands emerged with the gallstone, which he dropped into the waiting jar of alcohol." He went on to say: "In each operation, there was seemingly no pain, no bleeding, no open wound of any kind."

Overwhelmed by what they had seen, the reporters interviewed the patients, one of whom told them: "God had performed the miracle, using the man, Terte, as His instrument." Terte confirmed this observation, saying: "I can do nothing unless the power of the Spirit Protector is within me."

On their way back to Manila, the reporters discussed the amazing events they had witnessed. Ormond asked McGill: "What is your verdict?" McGill replied: "Either that man is working miracles, or he's the greatest magician that ever lived."

In conclusion, Ron Ormond summarised: "I, and McGill, still don't know what to think; but we have motion pictures to show it wasn't the work of any normal magician, and could very well be just what the Filipinos said it was: a miracle of God performed by a fourth-dimensional surgeon."

Lacking any understanding of the religious beliefs and spiritual practices of the "fourth-dimensional surgeons", well-meaning but misinformed parapsychologists attempted to define what they had witnessed. The very term "psychic surgery", coined by the writer Harold Sherman, suggested that the spiritual healing practices of the Filipinos, derived from their religious practices, were equivalent in some way to the surgical procedures of Western medicine.

This supposition aroused the ire of Western doctors and set into motion a concerted effort on the part of the Western medical profession to prove that "psychic surgery" was a fraudulent and deceitful form of medical quackery. On close examination, it became apparent that, in addition to the genuine miracles that had been thoroughly documented, some of the "psychic surgeons" were simulating the "operations" with a sophisticated and innovative form of sleight of hand.

In 1974, the US Federal Trade Commission (FTC) and the Senate Subcommittee on Health and Long Term Care held hearings on psychic surgery. In these hearings, the FTC heard the testimonies of 48 witnesses and reviewed 134 exhibits. According to these witnesses, the Filipino healers had defrauded their patients by palming small plastic bags which contained blood and tissue. The witnesses maintained that the Filipino healers were defrauding their patients by producing these plastic bags in sleight-of-hand simulations of surgery.

Working from the premise that Filipino healers were impersonating surgeons, thereby practising medicine illegally, police began setting up sting operations in order to prosecute them. In 1984, congressional hearings, chaired by Claude Pepper, reviewed the files of five governmental agencies: the FTC, American Cancer Society, National Institutes of

Health, Department of Health and Human Sciences, and the American Medical Society. This four-year review led to the conclusion that they "could find no evidence that psychic surgery was effective".

In 1986, the arrest and prosecution of psychic surgeons began in earnest. Gary and Terry Magno were arrested in Phoenix, Arizona, and charged with the fraudulent practice of medicine. They posted bail and immediately fled back to the Philippines. In 1987, Jose Bugarin was arrested in Sacramento, California, for cancer quackery and the illegal practice of medicine. He was sentenced to nine months in prison. In 1989, Placido Palitayan was arrested and prosecuted in Oregon for the illegal practice of medicine. In 1991, immigration officials arrested Terry Magno in the Philippines and deported her back to the United States to stand trial. Mrs Magno faced 17 counts of fraud and one of conspiracy in connection with the 1986 charges of practising psychic surgery in Arizona.

PLACEBO VS PARANORMAL SURGERY

While the persecution of the Filipino/Filipina healers was getting into gear, the Institute of Noetic Sciences published a report on aspects of the placebo effect that were known only to a select group of medical researchers. One of the topics covered in the report was the little-known subject of placebo surgery.

In the 1950s, several American doctors conducted experiments designed to determine the merits of the surgical procedure for angina pectoris. In one experiment, three of five patients received the operation. The other two were merely placed under anaesthesia and given a surface incision, which was then sutured. Once awakened, the five patients were monitored during their recovery from the operations. Overall, to the amazement of the physicians, a significant percentage of the patients who had received placebo operations was cured.

In 1961, Dr Henry Beecher reviewed two double-blind studies of placebo operations. These studies convincingly demonstrated that the actual operation produced no greater benefit than the placebo operation.

In a separate study, conducted by Dr Leonard Cobb and associates, placebo surgery proved to be more effective than the real thing. Cobb reported that 43 per cent of the patients who received placebo surgery reported both subjective and objective improvement. In the patients who had received the "real" operation, only 32 per cent reported satisfactory results. What this research established is that the mere form (metaphor) of surgical procedures can produce the same results as the actual surgical procedures.

When I first read this study, lights went off inside my head. Could the sleight-of-hand operations, the damning evidence in all of the criminal cases against the fourth-dimensional surgeons, actually be a sophisticated form of "placebo surgery"? Were the small bags of blood and tissue that had been used to seal the fates of healers accused of medical fraud, actually tools being used by the psychic surgeons to activate the mysterious placebo

mechanism—a belief-mediated healing process that produced a 43 per cent cure rate in American placebo surgery studies? If placebo surgery produced these results in the United States, was it not logical to expect the same results when performed by Filipinos?

All of the early research on psychic surgery was based on the assumption that the operations were 100 per cent paranormal phenomena. Paranormal phenomena were judged to be genuine only in cases where the phenomena could be subjected to rigid scientific scrutiny and proved to be replicable under clinical conditions. Though researchers from several different countries had succeeded in documenting a number of genuine psychic surgery operations in tightly controlled studies, the discovery that the Filipinos were using a form of placebo surgery breached the required standards of proof for scientists and parapsychologists alike.

To compound the confusion, it was becoming apparent to many researchers in the 1970s that placebo operations were somehow

healing people. The researchers saw that patients who believed in the veracity of the operations responded positively, even miraculously, to the placebo operations. The discovery of sleight-of-hand psychic surgery in the Philippines took place almost 20 years before scientific research advanced enough to provide an explanation for the success of the healers who used the placebo operations.

Having insufficient knowledge of psychoneuroimmunology, parapsychologists concluded, along with debunkers, that the placebo surgery practised by the Filipinos was a form of medical fraud. The discovery of fraud, however, did not change the fact that dramatically paranormal operations that did not involve sleight of hand had been extensively documented in both the Philippines and Brazil.

In the increasingly polarised and hysterical debate over psychic surgery, the focus of research came down to two main issues. The first was whether the psychic surgeons were actually opening the bodies of their patients, or whether their operations were merely simulations of surgery. The second was whether or not the extracted tissues and blood produced during the operations

were consistent with the tissue and blood types of their patients.

A number of studies were conducted on these questions in virtually every country the psychic surgeons visited. For every test that confirmed the tissue and blood to be of human origin and that matched the blood and tissue of the patients, another found the samples to be of either animal or non-human origin. For the Germans, Australians, Americans and Japanese who tested these samples of blood and tissue, the results of these tests merely led to increased polarisation and offered no solution to the enigma of psychic surgery. The early studies conducted by people like Henry Belk, Stanley Krippner and Andrija Puharich established that genuine paranormal operations did in fact take place.

Faced with two very different types of operations, and lacking the understanding to provide a satisfactory explanation for the supposedly "fraudulent" operations, those who had witnessed the "genuine" operations were placed in a truly mind-boggling predicament. If they acknowledged that sleight of hand was being

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used to simulate quasi-surgical operations, they were forced to separate the imposters from the genuine healers.

Realising that sleight of hand was indeed widely used, and not wanting to be labelled as facilitators of quackery, the advocates of psychic surgery began to distance themselves from the healers. Serious researchers who had documented hundreds of genuine operations retreated to the position that while sleight-of-hand simulations of operations were a reality, genuine paranormal "operations" were *also* a reality. Eventually, the debates on psychic surgery ceased, as no one could reasonably explain the practice of placebo surgery.

CONTROVERSY IN THE PHILIPPINES

In 1983, I had the opportunity to visit the Philippines as a guest of the famous psychic surgeon Reverend Alex Orbito. I met Rev. Orbito through a close friend who had been healed by him. Later, my friend and I co-sponsored Rev. Orbito to come to Hawaii to conduct a healing mission.

During this healing mission, we strictly controlled the healing environment, eliminating any possibility of fraud. The results of the healing mission were so impressive that I was immediately convinced that Rev. Orbito was genuinely performing paranormal healing, and that psychic surgery was a fact. Two days before returning to the Philippines, Alex asked my friend and me if we would come to the Philippines and produce a video documentary of his life and work. We agreed to do so, and after a month of preparation we proceeded on to the Philippines.

I arrived in the Philippines in June of 1983 and immediately became aware of the controversy surrounding psychic surgery. It seemed that everyone I met had an opinion on the subject. While detractors of psychic surgery insisted that it be rejected entirely as medical quackery, advocates insisted that it be integrated into the conventional practice of medicine. Since my only experience of psychic surgery had been totally positive, I was genuinely surprised to find myself surrounded by so many zealous detractors.

The publicity surrounding psychic surgery had drawn a number of people from around the world who fancied themselves as freelance quack-busters. They saw themselves as public servants, boldly blowing the whistle on medical fraud. To these sceptics, psychic surgery was a brazen hoax with no redeeming value. As I came to know these people, the flaws in their thinking became apparent. The most obvious was their total dismissal of the many dramatic, often miraculous, cures that were taking place. While working at Alex's healing centre, I saw hundreds of people come from around the world with all sorts of ailments and leave cured. I began to wonder why the debunkers were choosing to ignore the obvious success of the psychic surgeons.

I was deeply impressed by the fact that, whatever psychic surgery was, it seemed to be equally effective, regardless of the diverse backgrounds of the patients who continually arrived from all over the world. While sceptics insisted that psychic surgery

was nothing more than a "despicable" fraud, delegations of patients continued to arrive from around the globe on a daily basis.

I could not imagine a better way to study the efficacy of a healing technique than to subject it to the objective and subjective scrutiny of every conceivable belief system as well as the various racial and religious biases of a broad cross-section of the entire human race. It also seemed reasonable to assume that any method of healing that could produce consistent results, given these conditions, certainly had merit. It was quite common to hear enthusiastic testimonies to the healing abilities of the psychic surgeons being offered in Japanese, English, Arabic, Chinese and many other languages.

Rev. Orbito told these delegations to surrender to God in whatever way they perceived God to exist. The message at Rev. Orbito's healing centre was that God is larger than any particular religious orientation.

Living in the Philippines and working at Alex Orbito's healing centre, I saw overwhelming evidence that psychic surgery was a very effective method of healing. Surrounded by so many satisfied and grateful patients, I was both baffled and even offended by those who continued to insist that the psychic surgeons must prove, under clinical conditions, that what they were doing was "real". I couldn't understand why the hundreds of people who were visibly and dramatically cured didn't constitute "proof". In this surreal environment, the definition of what constituted "real" psychic surgery became increasingly nebulous. To parapsychologists, psychic surgery was "real" if performed without using sleight of hand. To scientists, only conventional surgery was "real".

Sceptics demanded that the healers submit to controlled scientific studies. When healers refused to submit to such experiments, their refusal alone was regarded as proof that they were fakes and that psychic surgery was quackery. This bizarre situation forced Alex Orbito to announce publicly that "the mission of the healing is not to convince the people, but to cure the people". In fact, several psychic surgeons did agree to extensive scientific testing, and it didn't take them long to figure

out that being the guinea pigs of scientific materialists was insulting, absurd and counterproductive.

In increasing desperation, those who continued to emphasise the failures and disregard the successes of the healers were forced to try to save face by taking a stand on the issue. Those who had hoped that psychic surgery would conform to their theories and expectations were bitterly disappointed. Sporadic miracles simply weren't enough. The miracles had to be produced on demand, under the intense scrutiny of total sceptics. Anything short of permanent miracles, produced on demand, were not miracles at all. Full of rage and bitterness, the detractors of psychic surgery denounced the healers. To the patients who were healed, however, a single miracle was more than adequate proof.

In the face of intense inquiry into the nature of their work, the healers offered a simple explanation for their phenomenal

... whatever psychic surgery was, it seemed to be equally effective, regardless of the diverse backgrounds of the patients who continually arrived from all over the world.

abilities. They told the scientists that they were human instruments of elevated spirits whom they called "Spirit Protectors". Under the aegis of the Holy Spirit, these elevated spirits performed psychic surgery through the healers' hands.

EARLY RECORDS OF FILIPINO SPIRITUAL HEALING

In addition to the obfuscation of the healers' successes, no one seemed to be even remotely interested in researching the history of psychic surgery. Seeing no end in sight to the bitter debates on the pros and cons of the operations, I decided to conduct research on these very questions—questions that had been overlooked by both the advocates and the detractors of psychic surgery.

In my studies, I discovered that the history of psychic surgery stretched back hundreds of years. As I delved deeper into the mystery of Filipino spiritual healing, I uncovered a history of not one, but two types of psychic surgery, each with distinctly separate but related histories. I discovered references to the therapeutic use of sleight of hand in manuscripts dating as far back as the 16th century.

In 1565, a Spanish priest/explorer, Pedro Chirino, described the earliest reference to the therapeutic use of sleight of hand in the Philippines. Chirino wrote: "He [the sorcerer] placed one end of the hollow bamboo upon the affected part, while through the other end he sucked up the air; then, he let fall some pebbles from his mouth, pretending they had been extracted from the affected spot." Chirino continued: "In times of sickness, these men were at their best, because in times of sickness they [the patients] were ready to venerate anyone who could give [them a remedy] or at least promise to obtain a remedy for them."

In 1588, an English explorer named Cavendish wrote: "The priests of these tribes were known as Catalona in the north, and Babailan in the Visayas. They were the sorcerers or medicine men, and rude beyond measure was their art in curing, consisting generally of the imaginary extraction of pebbles, leaves and pieces of cane from the afflicted part."

The second type of psychic surgery, the one that had been extensively documented by parapsychologists both in the Philippines and Brazil, was a more recent development. As my understanding grew, I began to realise that something very unusual had taken place in the Philippines.

"Spirit-directed psychic surgery", as I call it, began with the introduction of Catholicism by Magellan. Rather than being scientific in nature, the real mystery of Filipino spiritual healing lay in their religious practices, based on their unique understanding of what Western Christians call "the Holy Spirit". The history of spirit-directed psychic surgery is the history of the incorporation of the Third Person of the Christian Trinity, the Holy Spirit, into the heart of the shamanic traditions of the indigenous people of the Philippines.

As I listened closely to the Filipinos, I began to understand that their success in healing was derived from their abilities as mediums of the Holy Spirit. When the Spirit Protector was "incorporated", they were transformed into "fourth-dimensional surgeons".

When they finished their session, they returned to their normal routines and habits. All my research seemed to indicate that the mediumistic culture of the Filipinos had, in some inscrutable manner, predisposed them to discover in Jesus' teachings about the Holy Spirit the means of bringing forth an atavistic resurgence of the miraculous healing work first described in the New Testament.

Westerners were disturbed by the fact that psychic surgeons explained their work in Christian terms. Western scientists viewed their explanation as mythology. Western Christians denounced them as satanic. Bypassing both the dogmatism of science and the human domination of religion that Western civilisation has succumbed to, the paranormal healing abilities of the Filipino healers were derived from a verbal dialogue with the Holy Spirit, established in the 19th century through devout Christian mediums.

What I discovered Filipino Christian Spiritism to be, is nothing less than a fully integrated synthesis of Christianity and the paranormal. To comprehend the gifts of the Holy Spirit as paranormal phenomena mediated by trance, altered states of consciousness

and dissociative behaviour, sheds light on the reason why millions of our brothers and sisters in the non-Western cultures are increasingly redefining both Catholic and Protestant Christianity in charismatic terms. The world-view described in biblical narrative is much closer to the everyday experience of non-Western cultures than it is to our own. The reality of an unseen world that lies parallel to our own is as much a fact of life to Filipinos as the ground beneath their feet. Through the work of Dr George Ritchie and Dr Raymond Moody, the existence of this unseen world has now been widely documented in the West.

That this unseen world is inhabited by supernatural beings that can be communicated with, underpins not only the rationale behind prayer, but it can also be extrapolated to include all forms of mediumistic revelation.

Filipino/Filipina Christian Spiritists claim that they are instructed by elevated spirits who identify themselves as "the Spiritual Messengers of Christ". The Greek term for messenger is *angelos*. To Christian Spiritists, the messenger spirits that communicate with them through their mediums

are the Western equivalent of angels. Within the Christian Spiritist community, I found hard evidence that documents their claims: records of events that took place between 1904 and 1933 in the rural province of Pangasinan in northern Luzon. Without this evidence, the real source of the power to perform genuine, "fourth-dimensional operations" would probably have remained a mystery.

CHRISTIAN SPIRITIST UNION

At the core of the paranormal healing practices of the Filipino healers lies an organisation. This organisation was established according to directives received from the unseen world of the Spirit. I learned about the inner workings of this organisation from three documents which I had translated. This organisation

When the Spirit Protector was "incorporated", they were transformed into "fourth-dimensional surgeons". When they finished their session, they returned to their normal routines and habits.

was first established in 1904 and is named the Union Espiritista Christiana de Filipinas (the Christian Spiritist Union of the Philippines).

The first of the documents I discovered was the textbook of the Union. The President of the Union published it in a limited printing in San Fabian, Pangasinan, in 1909. His name was Juan Alvear, and the textbook's title translates as *A Short Spiritist Doctrine*. The text was very difficult to translate because it was written using a combination of three languages: Ilocano, Spanish, and a local dialect known as Pangasinense. After locating a translator who knew all three languages, the translation still dragged on for over a year.

In the textbook, Alvear wrote: "Here in the Philippines, the forces of Christ in the spirit world made themselves manifest through our mediums as medicine called 'magnetic fluid', which flows from the spirit world through the mediums to introduce Spiritism through healing."

Alvear described the reaction of the Church to this collective spiritual intervention when he wrote: "The pulpit and the learned claim that the appearance of the spirits was the work of the devil who settled in the Philippines."

He then added: "There is an increasing number infused with Spiritism, which is spreading to the provinces, and its result is none other than morality and sanctity and the knowledge of God's Spirit."

Alvear concluded: "So it has become clear that Spiritism is a good tree because its fruit is good. Now, it is apparent that God has manifested in the Third Person of the Holy Spirit, announcing to the world that those who believe will be saved."

These Divine spirits, who gained converts through paranormal healing, ultimately instructed the Christian Spiritists to establish an organisation that would facilitate what they termed "the Coming of the Holy Spirit".

The second of the three documents I discovered was the Constitution of the Union. The Constitution seemed in every way to be a normal document of association, outlining the duties and responsibilities of the members of the Union. It appeared so entirely ordinary that I didn't pay much attention to it. Then, one day, I took a closer look at it and found a chapter entitled "Spiritual Direction of the Association". I opened the booklet and read the following: "The Spiritual Direction shall be the Supreme Authority of the Association. This shall integrate a Court of Spirits of Light, officially known as Spirit Protectors, who shall be under the superior and unique direction of Our Lord Jesus. These Spirits are the ones who shall direct the works in general of the Association, principally scientific, philosophical, moral and spiritual, through [mediumistic] communications."

I was astounded to discover that this duly registered association, which appeared normal in every respect, was officially directed through mediums by Spirit Protectors from another dimension. I was also amazed to find that this entire spirit-directed organisation was under the "unique direction of Our Lord Jesus".

The third document I discovered had been recovered from the basement of an old Spiritist centre in Pangasinan that was being razed. The book was handwritten in colonial Spanish in a

beautiful, cursive style. The contents of the book were a mystery. When the archivist of the Union entrusted the book to me, he made it clear that he had no idea what information was contained in it. Once again, I began the arduous task of locating a translator. I soon discovered that this old book, brown and crumbling with age, was the only existing copy of the Minutes of the Union between the years 1919 and 1933.

As the translator worked, I learned firsthand of the precise nature of the trials and tribulations that the great-grandparents of today's psychic surgeons endured in laying the foundation for "the Coming of the Holy Spirit". As the Christian Spiritists proceeded to establish their organisation, they encountered intense opposition from both the Church and the Philippine Medical Association. Whatever challenges they faced, however, were overcome by the advice they received from the Spirit Protectors.

In 1966, the fourth-dimensional healer Eleuterio Terte led a schism from the Union Espiritista and founded the Christian Spiritists of the Philippines. With the arrival of reporters Ron

Ormond and Ormond McGill, Terte brought the mission of "the forces of Christ in the Spirit world" out of the rural Philippines and into the world at large.

THE THIRD DISPENSATION

With the growing scientific evidence for the existence of life after death and the scientific proof of the efficacy of prayer, the reality of the unseen world is gaining credence.

As Western culture grapples with the existence of this parallel dimension that exists in contradiction to the very premise of scientific material-

ism, the Filipinos have moved into a new and highly advanced Spiritual Dispensation. They believe that this Third Dispensation, in which the Holy Spirit will bring about the perfect spiritualisation of humanity, is the core of the prophecies of Jesus Christ. Having seen the evidence, I believe them. ∞

I was astounded to discover that this duly registered association, which appeared normal in every respect, was officially directed through mediums by Spirit Protectors from another dimension.

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About the Author:

Harvey Martin is a freelance researcher/writer who has spent many years investigating psychic surgery phenomena. He has just returned from Brazil where he visited the clinic of miracle healer João de Deus (John of God) (see NEXUS 5/02). His book, *The Secret Teachings of the Espiritistas* (ISBN 0-9660843-8-1, 278pp, USD\$24.95), is available from Metamind Publications, <www.metamind.net>.

AERIAL MIND-CONTROL

THE THREAT TO CIVIL LIBERTIES

**The US Air Force's
Commando Solo
aircraft are used to
broadcast
subliminal radio-
frequency messages
to manipulate the
minds of military
and civilian targets.**

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Special Interest Group
684 C.R. 535, Sumterville FL 33585, USA
Tel: +1 (352) 793 8748

USAF COMMANDO SOLO: AERIAL MIND-CONTROL BROADCASTS

The United States Air Force uses aerial mind-control broadcasts against civilian populations as well as enemy troops. Some of these actions against civilians are done with the intent of influencing public opinion and the outcome of elections.

In a previous article, we examined mind-control technology, especially that utilising Silent Sounds™, in which radio-frequency broadcasts carry subliminal patterns that entrain the listener's brainwaves into a preselected emotional state. According to ITV wire service reports, this technology was used during Operation *Desert Storm* in 1991, as part of US Psychological Operations (PsyOps) directed against Iraqi troops.^{1,2}

To the *Desert Storm* offensive we can now add several other incidents. Alex Horvat, editor of *The Probe*, calls to our attention the 1998 video, *Exotic Weapons of Mass Control*, produced by Bob Fletcher. "The excerpt played on Fletcher's video is from TLC [The Learning Channel] and clearly states that Commando Solo was used in Haiti for what was called Operation *Uphold Democracy*. As the general populace was violently opposed to Aristide and most in favor of his ouster, it took nearly a year of this clandestine counter-programming to get them to change their minds... Instead of butchering a population physically, we can now manipulate them mentally, virtually enslaving their thoughts with a criss-cross pattern of flights by an EC-130 (which is just a C-130 heavily laden with electronic hardware)."³

We were not at war with the citizens of Haiti, yet the US Government directed military weapons against this friendly, or at least neutral, civilian population. The US Government sanctioned the "rigging" of the Haitian election by mental control of the people, programming them to cast their votes for the Americans' favoured candidate. And they had the nerve to call it "Operation *Uphold Democracy*". Some sense of humour! Stalin would have loved it. Hitler would have loved it. Why is the US Government doing this? Who is behind this flagrant violation of civil liberties? Is it the US Central Intelligence Agency (CIA), which has a long history of interfering in foreign government politics? Or has this become standard military procedure?

The rationale is always the same: "to make the world safe for democracy". Yet what is democracy if not freedom? Freedom to think your own thoughts; freedom to express your own opinions; freedom to vote for the candidate of your own choice.

Fletcher's video also mentions that the same technology was used against the Bosnia population for a week to influence their election.⁴ This was probably done during Operation *Joint Guard* in 1995.⁵

The questions arise: If they have used mind-control broadcasts against foreign civilian populations to influence elections, will they use them against American citizens—or have they already? What other countries may be the recipients of this innovative technology?

Just what is this EC-130E Commando Solo? The United States Air Force has helpfully published a Fact Sheet that describes the Lockheed-built aircraft.⁶ This 1995 bulletin states that the "unit flyaway cost" is more than US\$100 million each, and that there are eight in the inventory. Its primary function is "Psychological operations broadcasts". The crew consists of four officers (pilot, copilot, navigator, control chief/EWO) and seven enlisted members (flight engineer, loadmaster, five mission crew).

According to the Fact Sheet:

"Air Force Mission: Commando Solo conducts psychological operations and civil affairs broadcast missions in the standard AM, FM, HF, TV and military communications bands. Missions are flown at maximum altitudes possible to ensure optimum propagation

patterns. The EC-130 flies during either day or night scenarios with equal success, and is air refuelable. A typical mission consists of a single-ship orbit which is offset from the desired target audience. The targets may be either military or civilian personnel.

"Secondary missions include command and control communications countermeasures (C3CM) and limited intelligence gathering.

"Air Force Features: Highly specialized modifications have been made to the latest version of the EC-130. Included in these modifications are enhanced navigation systems, self-protection equipment, and the capability of broadcasting color television on a multitude of worldwide standards throughout the TV VHF/UHF ranges...

"Air Force Background: Air National Guard EC-130 aircraft flown by the 193rd Special Operations Group were deployed to both Saudi Arabia and Turkey in support of Desert Storm. Their missions included broadcasts of 'Voice of the Gulf' and other programs intended to convince Iraqi soldiers to surrender.

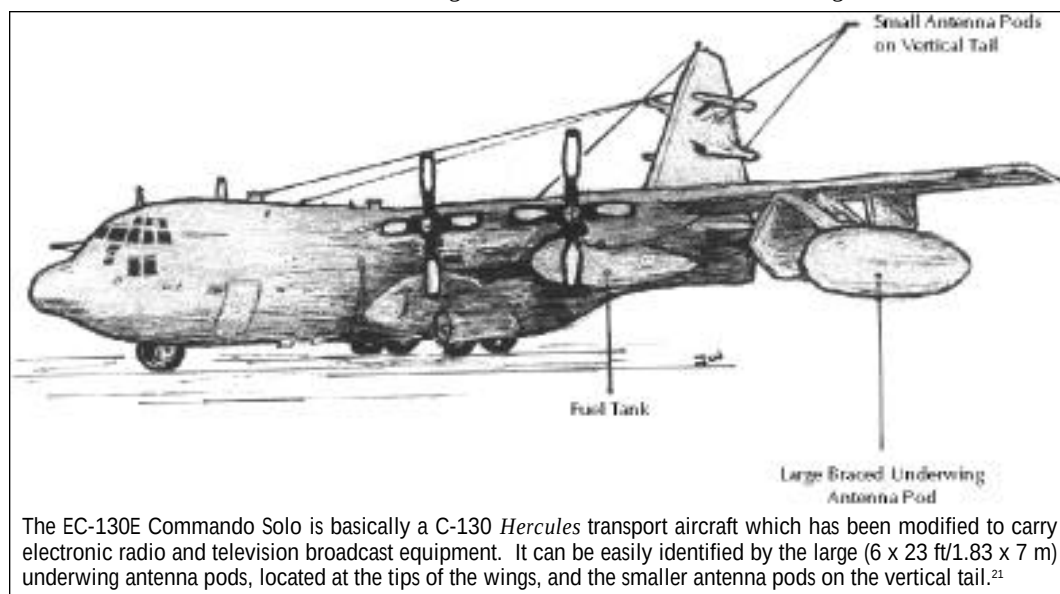
"The EC-130 was originally modified using the mission electronic equipment from the EC-121, known at the time as the Coronet Solo. Soon after the 193rd SOG received its EC-130s, the unit participated in the rescue of US citizens in Operation Urgent Fury, acting as an airborne radio station informing those people on Grenada of the US military action.

"Volant Solo, as the mission is now known, was instrumental in the success of coordinated psychological operations in Operation Just Cause, again broadcasting continuously throughout the initial phases of the operation..."

Operation *Just Cause*? This is another propaganda name, applied to the US invasion of Panama to take out that country's leader, General Noriega, the CIA's erstwhile partner in drug smuggling. Apparently the General had made someone mad—how else to account for the massive invasion of this tiny tourist country? To wit: "A superpower whipped the poop out of 10 per cent of the police force of a Third World nation. You are supposed to be able to do that. It was done well, and I credit those who did it. But it is important that we draw the right lessons from it," according to an anonymous US Marine.⁷

Our Commander-in-Chief had another point of view: "...the roll call of glory, the roster of great American campaigns—Yorktown, Gettysburg, Normandy, and now Panama."

— President George Bush, March 1990⁸



The EC-130E Commando Solo is basically a C-130 *Hercules* transport aircraft which has been modified to carry electronic radio and television broadcast equipment. It can be easily identified by the large (6 x 23 ft/1.83 x 7 m) underwing antenna pods, located at the tips of the wings, and the smaller antenna pods on the vertical tail.²¹

MILITARY PSYOPS AGAINST CIVILIANS

In a phone call to the USAF Special Operations Command Public Affairs Office, I questioned the legitimacy of using these subliminal broadcasts against civilian populations.⁹ I was told that it was all perfectly legal, having been approved by the US Congress(!). It may be okay by Congress, but I sincerely doubt that it would be approved by the recipient populations.

That conversation also elicited more information concerning the Commando Solo units. For instance, the Air National Guard of individual states in the US can also operate Commando Solo aircraft, should the Governor of a State request assistance. That means the PsyOps mind-control technology can be directed against US citizens.

The Commando Solo aircraft have participated in the following missions—possibly more, as the early missions of Volant Solo 1 were not known to the spokesperson:

- Operation *Urgent Fury* (Grenada, Oct-Nov 1983, Jan-June 1985)
- Operation *Just Cause* (Panama, late December 1989)
- Operation *Desert Shield* (Kuwait, Iraq, from August 1990)
- Operation *Desert Storm* (Saudi Arabia, Turkey, Iraq, 1991)
- Operation *Uphold Democracy* (Haiti, 1994–1995)
- Operation *Joint Guard* (part of a UN operation in Bosnia-Herzegovina, 1995)
- Operation *Desert Thunder* (part of a UN operation in Iraq)
- Operation *Desert Fox* (Iraq, 2 to 3 days in December 1998)

Other countries are known to have a similar aircraft, but the PR officer declined to identify them, suggesting instead that I check out *Jane's Defence Weekly* for such information. Not having access to that particular publication, I searched through my copy of *Jane's Radar and Electronic Warfare Systems 1993–94*.¹⁰ The Commando Solo unit was not listed, but a browse through the book was informative as to the numerous types of electronic offence and defence systems available. These include stationary and mobile land units (many housed in large trucks), shipboard and airborne models as well as space-based technology. If the military is spending US\$100 million per airborne unit (times eight, we're talking US\$800 million here), I think it is safe to assume that they have tried out mind-control equipment with less expensive, roving land units (trucks), but use the airplanes to cover wider areas and hard-to-reach locations of the world.

And I might add, we can assume that they have tried out the efficacy of this mind-control technology. Even the US military would not waste \$800 million on something unless it has been proven to work, and work effectively, even under the adverse situation of military combat. This is an important point.

The initial research into mind control in the USA was conducted under the auspices of the CIA. The flagrant abuse of human rights in experimenting on unsuspecting persons was based on the supposition that the veracity of the experiments would be compromised if a subject knew

that he was participating in an experiment. In the case of mind-control technology, this supposition may very well be true. But that does not justify its use—or so said the Nürnberg Code, the tenets of which were used as a legal basis to prosecute Nazi scientists for war crimes. However, the US seems to have excused its own military and scientific community from adhering to that Code.¹¹

MANIPULATING MIND AND BODY BY SATELLITE

The next logical step in mind control would be to incorporate this technology into satellite communications. Since other countries are known to have similar capabilities, there could occur a situation in which electronic mind-control warfare is waged against a civilian population, receiving conflicting mental manipulation from opposing sides. What would be the mental state of individuals so targeted? Would it cause a rise in mental aberrations and schizophrenia? And what are the limits of mind manipulations? Can people be forced to commit suicide? Can physical ailments or psychosomatic illnesses be induced?

A March 1990 report from Bosnia-Herzegovina in the former Yugoslavia suggests the latter may have already happened. The report concerns 2,990 ethnic Albanians who were admitted to hospitals with complaints of lung and skin problems for which doctors could find no physical cause.¹²

It is not a far step from manipulating a person's emotional state to influencing bodily functions. Indeed, much of the literature documenting microwave effects on biological systems deals with precisely this phenomenon. In fact, studies of the physical effects of microwave exposure (including radio frequencies) generally preceded studies of mental effects.

A meeting sponsored by *Defense & Foreign Affairs* and The International Strategic Studies Association was held in Washington, DC, in 1983. High-level officials from many countries met for this conference. They discussed psychological strategies related to government and policymaking. A summary of the agenda reads: "The group will be discussing the essence of future policymaking, for it must be increasingly clear to all that the most effective tool of government and strategy is the mind... If it's any consolation to the weapons-oriented among defense policymakers, the new technologies of communications—satellites, television, radio, and mind-control beams—are 'systems' which are more tangible than the more philosophically based psychological strategies and operations.

"But we should make no mistake; it will be the 'psychologically based' systems which determine the world's fate in coming years: the condition of the minds of populations and leaders. And we should not ignore the fact that the USSR is working on electronic systems to 'beam' messages directly into the brain. What good, then, are conventional systems if these types of weapons are not countered? And, on a more basic level, what good is a weapon system if public opinion or political constraints prohibit its deployment?"¹³

It is obvious that they found the answer to that last question. If the public does not know about a weapon system, it cannot prohibit its deployment. This is the situation that applies to mind-control technology.

MIND CONTROL AGAINST 'POTENTIAL' ENEMIES

The US military is aware that certain actions or procedures may not be acceptable to the American public. Metz and Kievit express these concerns in their paper, "The Revolution in Military Affairs and Conflict Short of War".¹⁴ "The use of new technology may also run counter to basic American values. Information age—and, in particular, information warfare—technologies cause concerns about privacy... American values also make the use of directed energy weapons...morally difficult, perhaps unacceptable. The advantage of directed-energy weapons over conventional ones is deniability. Against whom is such deniability aimed? ...deniability must be aimed at the American people." Later they state: "We must decide whether innovative military capabilities are, in fact, acceptable and desirable. That can only happen through open debate. The military must be a vital participant, but not the sole one."

But there has been no open debate.

On July 21, 1994, the US Department of Defense proposed that non-lethal weapons be used not only against declared enemies, but against anyone engaged in activities that the DoD opposed. That could include almost anybody and anything. Note that the

mind-control technology is classified under non-lethal weapons.¹⁵

A 1998 news item states that US Air Force General John Jumper "predicts that the military will have the tools to make potential enemies see, hear and believe things that do not exist" and that "The same idea was contained in a 15-volume study by the USAF Scientific Advisory Board, issued in 1996, on how to maintain US air and space superiority on the battlefields of the 21st century".^{16, 17}

It seems that, in military parlance, a "prediction" means: "Don't be surprised when you find out we've already got this, but it's classified and we can't admit to it just yet."

Notice that General Jumper predicts that mind-control technology will be used against *potential* enemies. The military and government agencies may apply this term to any group or individual they perceive as a threat to their own interests. Potential enemies may be counter-culture individuals, those of opposing political viewpoints, economic or financial competitors, biological undesirables, etc. It is part of the military agenda to identify potential threats so as to be prepared to meet them. Experience has shown that the US Government (the CIA and FBI, for example) has moved against these people or groups, slandering, harassing, even killing them, without adequate cause or legal sanction.

A weapon that can be used in secret lends itself to abuse by unethical individuals in positions of power. The military and secret services have shown themselves often to be lacking in ethical constraints. After all, the job of the military is war; it is killing people; and so, just how this is accomplished may be considered irrelevant. Lesser evils, like mind control, pale by comparison.

Of course, it can be argued that it is far more humane to brainwash a person via mind-control technology into accepting your ideas than it is to torture or kill them. Others vehemently deny this. They'd rather be dead than a mental slave to Big Brother! That is what revolutions are about. And if I recall correctly, that is the idea behind the US Bill of Rights.

Commando Solo conducts psychological operations and civil affairs broadcast missions in the standard AM, FM, HF, TV and military communications bands. Missions are flown at maximum altitudes possible to ensure optimum propagation patterns.

EUROPEAN PARLIAMENT WARNS OF DANGERS

Awareness of the existence of mind-control technology, and hence its dangers and possibility for misuse, seems to be more prevalent in Europe than in other areas. The European Parliament recently passed a "Resolution on environment, security and foreign policy".¹⁸ This document includes these articles:

"23. Calls on the European Union to seek to have the new 'non-lethal' weapons technology and the development of new arms strategies also covered and regulated by international conventions..."

"27. Calls for an international convention introducing a global ban on all developments and deployments of weapons which might enable any form of manipulation of human beings."

The United States will ignore these resolutions, of course, as it has other EP requests; for example, as mentioned in the same document:

"24. Considers HAARP (High-frequency Active Auroral Research Project) by virtue of its far-reaching impact on the environment to be a global concern and calls for its legal, ecological and ethical implications to be examined by an international independent body before any further research and testing; regrets the repeated refusal of the United States Administration to send anyone in person to give evidence to the public hearing or any subsequent meeting held by its competent committee into the environmental and public risks connected with the HAARP programme currently being funded in Alaska..."

One of HAARP's potential uses is as a communications system. The military officially acknowledges two communications-related applications: (1) to replace the existing Extremely Low Frequency (ELF) submarine communications system now operating in Michigan and Wisconsin; (2) to provide a way to wipe out communications over an extremely large area, while keeping the military's own communications systems working.¹⁹

As we have seen, the mind-control subliminal messages are carried on radio-frequency broadcasts. The HAARP facility could be used to broadcast global mind-control messages, or such messages could simply be inserted into existing systems.

Dr Igor Smirnov, of the Institute of Psycho-correction in Moscow, says in regard to this technology: "It is easily conceivable that some Russian 'Satan', or let's say Iranian [or any other 'Satan'], as long as he owns the appropriate means and finances, can inject himself [intrude] into every conceivable computer network, into every conceivable radio or television broadcast, with relative technological ease, even without disconnecting cables. You can intercept the [radio] waves in the aether and then [subliminally] modulate every conceivable suggestion into it. If this transpires over a long enough time period, it accumulates in the heads of the people. And eventually they can be artificially manipulated with other additional measurements, to do that which this perpetrator wants [them to do]. This is why [such technology] is rightfully feared."²⁰

A WORLDWIDE MIND-CONTROL MISSION?

To return to the USAF Fact Sheet, it concludes: "In 1990 the EC-130 joined the newly formed Air Force Special Operations Command and has since been designated Commando Solo, with no change in mission. This one-of-a-kind aircraft is consistently improving its capabilities. The next few years should see continued enhancements to the EC-130 and its worldwide mission." ∞

About the Author:

Judy Wall is the Editor of *RESONANCE*, the Newsletter of the Bioelectromagnetics Special Interest Group of American Mensa Ltd. Viewpoints expressed here are her own personal views.

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The Yin & Yang of HIV

When put to the test, conventional HIV/AIDS theory is at odds with the clinical evidence. Is "purified HIV" no more than a tangle of cellular debris?

Part 3 of 3

© 1999 by Valendar F. Turner
Department of Emergency Medicine
Royal Perth Hospital
Perth, Western Australia

and Andrew McIntyre
Freelance Journalist
Melbourne, Victoria, Australia

Discovery consists of seeing what everybody has seen and thinking what nobody has thought.

— Albert Szent-Györgyi, Physician and Nobel Laureate

THE DIAGNOSIS OF "HIV" INFECTION

• What proof is there for the existence of HIV?

Scientific evidence for the existence of a retrovirus must be consistent with the definition of a retrovirus as a particular kind of replicating, microscopic particle. Thus researchers must demonstrate the correct size, shape and construction of particles; that these particles have been purified and analysed and contain RNA as well as an enzyme (reverse transcriptase) that makes DNA from RNA; and that the particles are infectious—that is, when pure particles are introduced into fresh cell cultures, identical progeny appear. The latter necessitates a second round of purification and analysis. Indeed, although this method is entirely logical and was deemed essential at a meeting held at the Pasteur Institute in 1973,^{147, 148} it has been ignored by all HIV researchers.

Although there are electron microscope (EM) photographs from unpurified cell cultures of particles purported to be HIV particles, it was not until March 1997 that EMs of "purified HIV" were published.^{149, 150} Yet such data is the first, most essential step in attempts to prove particles are a virus, and for subsequent extraction of constituents for analysis and use as diagnostic reagents. These long-awaited micrographs reveal "purified HIV" to be a tangle of cellular debris. Scattered amongst this are scant particles which, without evidence, the authors claim are the HIV particles and which "copurify" (*sic*) with the cellular material. Close examination of these particles as well as other evidence in the papers shows they are too large, wrongly shaped, have too high a mass, and are devoid of knobs that HIV experts unanimously assert are absolutely essential for the "HIV" particle to cause infection. It is from this material that HIV/AIDS experts and biotechnology companies obtain proteins and RNA to use in tests to pronounce humans infected with a unique, exogenous, AIDS-causing microbe.

On 17 July 1997, the French investigative television journalist Djamel Tahi interviewed Professor Luc Montagnier in camera at the Pasteur Institute in Paris. Montagnier was asked: "Why do the EM photographs published by you [in 1983] come from the culture and not the purification?" His reply was: "There was so little production of virus it was impossible to see what might be in a concentrate of the virus from the gradient ["pure virus"]. There was not enough virus to do that. Of course one looked for it, one looked for it in the tissues at the start; likewise the biopsy. *We saw some particles but they did not have the morphology typical of retroviruses*" [italics ours].⁶¹ Questioned about the Gallo group, Montagnier replied: "Gallo? I don't know if he really purified. I don't believe so." This should have been both the beginning and the end of HIV.

Retrovirus-like particles are virtually ubiquitous in biological material,^{151, 152} including, for example, cell cultures and "the majority if not all human placentas".¹⁵³ (Note that Montagnier refers to EMs obtained from umbilical-cord blood lymphocytes.) However, as Gallo confirms, the majority of retrovirus-like particles are not retroviruses because they do not replicate.^{151, 154} The "HIV" particle has been "classified" into two subfamilies and three genera of retroviruses. This is analogous to describing a new species of mammal as a human, a gorilla and an orang-utan.

Besides the "HIV" particle, cell cultures contain other particles of numerous

morphologies whose origin and role are unknown.^{18, 155, 156} A long and detailed study from Harvard¹⁵⁷ revealed the identical "HIV" particle in 18 out of 20 (90% of) AIDS-related lymph node enlargements but also in 13 out of 15 (88% of) non-AIDS-related enlargements.

HIV experts claim to detect and even "isolate" HIV merely by demonstrating "reverse transcription" in cultures. However, although a property of retroviruses, reverse transcription is not, as many HIV/AIDS experts claim, unique to retroviruses or even viruses.^{158, 159} Well before the AIDS era, Gallo himself showed that chemically stimulated (a technique absolutely essential to "isolate HIV" from cultures) normal lymphocytes possess this function.^{160, 161}

• The "HIV" proteins and antibodies

Although both Montagnier and Gallo have never published EMs to prove the presence of retrovirus-like particles in their "pure virus", and Montagnier now concedes there weren't any, both groups, and all others since, claim such material is "pure HIV". This claim is based on the fact that such material contains proteins which react with antibodies present in AIDS patients. However, such reasoning is untenable.

Imagine a scientist who mixes two solutions together, obtains a precipitate and then proclaims the identity and source of several reactants. One does not need a degree in chemistry to realise this is an impossibility. Nonetheless, because cultures and antibodies derived from AIDS patients react together, the proteins are declared to belong to "HIV" and the antibodies—the "HIV-specific" antibodies.

In fact, Gallo admits that, for him, an antibody test is the quintessence of "HIV isolation". During an interview at the 1998 Geneva AIDS Conference he admitted: "Sometimes we had Western blot positive but we couldn't isolate the virus. So we got worried and felt we were getting false positives sometimes, so we added the Western blot. That's all I can tell you. It was an experimental tool when we added it, and for us it worked well 'cos we could isolate the virus when we did it."¹⁶² Actually, in 1984, Gallo's "false positives sometimes" were antibodies in 88% of AIDS patients but "virus-isolated" in 36% of AIDS patients. Gallo solved the twin dilemmas of the "missing virus" and gross non-specificity of the "HIV" antibodies by making the Western blot antibody test an integral part of virus isolation.

However, an antibody test is not isolation of a virus. HIV proteins can only be defined by extracting them from particles purified and proven to be a unique retrovirus. Such material has never been shown to exist, and such extraction never reported. Notwithstanding, since the mid-1980s, HIV researchers claim that a culture which reacts with a monoclonal antibody to one of the "HIV" proteins, the p24 protein, is proof of isolation of HIV. Since "to isolate a virus" is to obtain infectious particles separate from everything else, it is particularly difficult to see how so many scientists persevere in referring to a chemical reaction in this manner.

• The origin of the "HIV" proteins

According to Eleopulos and her colleagues, all data presented to date are consistent with the "HIV" proteins being cellular. Using "HIV" antibodies as probes, "HIV" proteins have been identified in the tissues of persistently HIV-negative, healthy individuals, including in blood platelet and skin cells, thymus, tonsil and brain.¹⁵ As a mark of the bewildering status of the HIV theory, while HIV proteins could not be found in the placentas of 75 HIV-positive, pregnant women,¹⁶³ they could be found in the placentas of 25 healthy, HIV-negative women.¹⁶⁴

That the HIV proteins are cellular is further strengthened by a recent two-part experiment. Human lymphocytes, cultured in the absence of material from AIDS patients, were "purified" as they would be to obtain the "HIV" proteins. This "uninfected" material served as a "mock virus" in experiments involving both "HIV" and "SIV" (simian [monkey] immunodeficiency virus, claimed similar to "HIV"). Analysis of "mock virus" reveals qualitatively a series of proteins bearing the same molecular weights as the proteins of "real" virus, strongly suggesting that the "HIV" proteins are cellular because the existence of HIV proteins demands they appear exclusively in cultures derived from AIDS patients.¹⁴⁹

In the second experiment, monkeys were immunised on several occasions with "mock virus"—a procedure which subsequently protected them from a "challenge" with "real" SIV.^{165, 166} However, immunisation is specific. Immunisation with hepatitis vaccine does not protect against poliomyelitis. It relies on exposure of the animal's immune system to material specific to the organism against which protection is sought. Since proteins from the cells in which "SIV" is "grown" ("mock" virus) protect against "real" SIV, these must be exceedingly similar if not identical. That is, the "SIV" and, by inference, the "HIV" proteins are all cellular.

• The "HIV" genome

As is the case with the "HIV" proteins, the RNA purported to be the "HIV" genome has not been obtained from particles purified and proven infectious, but from the conglomerate material described above. Molecular biologists have produced possibly more information about the "HIV" genome than any other object in the Universe. Nonetheless, there are no reports of even one individual possessing a complete, full-length "HIV" genome, and there is no agreement as to how many genes HIV possesses. Opinions have varied from four through to eight, nine or ten. Human DNA and chimpanzee DNA differ by less than 2%, but variation in the composition of the "HIV" genome" (derived from analysis of "pieces" measuring 2%–30% of the presumed total) measures between 3%–40%. For comparison, two RNA-containing viruses (polio and influenza, the latter after 27 years of dormancy) vary by less than 1%, as do RNA molecules self-assembled in test tubes, denied the organising influence of living cells.^{167, 168}

Given that the DNA sequence determines the composition of a virus's proteins, and the latter the physical, biochemical and biological properties of a virus, how is it possible for such variation

As a mark of the bewildering status of the HIV theory, while HIV proteins could not be found in the placentas of 75 HIV-positive, pregnant women, they could be found in the placentas of 25 healthy, HIV-negative women.

to represent one and the same agent? For example, how is it possible that HIV can induce the same antibodies which can be recognised in a universal antibody test containing the identical proteins? Since, as the molecular biologist Duesberg reminds us, "there is a range, a small range, in which you can mutate around without too much penalty, but as soon as you exceed it you are gone, and you are not HIV any longer, or a human any longer...then you are either dead or you are a monkey, or what have you",⁸ it is evident that whatever the "HIV DNA genome" represents, it cannot be a virus.

If there exists certain RNA which is unique to a retrovirus HIV, then finding such RNA should prove infection. However, the concordance between antibody and genetic tests varies between 40%–100%,¹⁶⁹ and "HIV" RNA can be found in individuals not infected with HIV. In responding to this scientific dilemma, the HIV experts have proclaimed that "Plasma viral load ["HIV" RNA] assays are designed for monitoring the effectiveness of antiretroviral therapies and for measuring the quantity of virus in patients with confirmed HIV infection, not for the diagnosis of HIV infection. Their performance in patients who are not infected with HIV is unknown" and their use leads to "Misdiagnosis of HIV infection".¹⁷⁰ One manufacturer of PCR states that "The Amplicor HIV-1 Monitor test is not intended to be used as a screening test for HIV or as a diagnostic test to confirm the presence of HIV infection" (Roche Diagnostic Systems, 06/96, 13-08088-001).

These being the case, the specificity of "plasma viral load" is unknown and it is difficult if not impossible to claim that "HIV" RNA is the unique constituent of a specific retrovirus. How can one even consider using such tests to monitor or diagnose a supposedly deadly virus when the "viral load" obtained varies between zero and a million copies on the same sample, depending on which technique or strain of HIV is involved?

• Lessons from the past?

The evidence for the existence of Gallo's "first human" retrovirus (HL23V) was much stronger than that for HIV (see Part 1).^{20, 25, 172} However, in 1980, the antibodies to the HL23V proteins were shown to occur following a large variety of common, non-infectious factors and in far more humans than could ever have developed leukaemia.^{173, 174} Thus, from signifying that an "infectious mode of transmission [of leukaemia] remains a real possibility in humans" and "infection with an oncovirus [retrovirus] may be extremely widespread",¹⁷⁵ the "first" human retrovirus abruptly disappeared from the annals of science. At present no one, not even Gallo, believes it existed.

However, had it not been for the efforts of the two research groups at the National Cancer Institute and Sloan-Kettering, there was the distinct possibility that by now the world would be facing a pandemic of "HL23V disease" as well as a pandemic of "HIV disease".

In the AIDS era, experts recognise that antibodies to the "HIV-specific" proteins occur where there is no HIV and in many more individuals than will ever develop AIDS. On what basis, then, does "HIV" still exist?

THE DISSIDENT CASE: POLITICS AND PUBLIC HEALTH POLICY

The failures of the past 15 years are fairly and squarely affixed to the five Montagnier and Gallo 1983–84 *Science* papers. That the titles of three of these papers contain the word "isolation", and yet no such evidence was presented, must stand as a memorial to the demise of editorial integrity. The dissident cases—that HIV does not exist (Eleopulos), or, if it does exist, it does not cause AIDS (Eleopulos/Duesberg)—ultimately imply there will be devastating outcomes in terms of scientific credibility, including the failure of peer review, the demise of reputations of many experts and non-experts, the challenge to citizens' trust in governmental, scientific and medical leaders, as well as an uncertain period of ignominy for the medical profession as a whole. Weaving a just resolution through this maze of socio-medico-legal bedlam will require the utmost perspicacity and tenacity from political leaders.

Perhaps there are already signs of quiet beginnings with the Americans' 1994 return of the discovery of HIV to the French, followed by Montagnier's most recent admissions in his 1997 interview. Perhaps it is also written in the faces of the Nobel Committee and the stubborn absence of a Nobel Prize awarded for any of the 100,000 scientific papers representing HIV/AIDS research.

• Exceptionalism

Over and above all the uncertainties surrounding the HIV/AIDS debate, AIDS science/medicine must stand as the most remarkable case of "exceptionalism" in history. The funding it attracts far outstrips that justified by its prevalence and economic impact.¹⁷⁶ For example, over the past 17 years, Australia has a cumulative total of 7,766 AIDS cases including 5,575 deaths.^{177, 000}

The big spenders are (in order) the United States, France, the United Kingdom, Germany and Italy. Their combined annual HIV/AIDS research budget amounts to US\$1.8 billion for a

cumulative total of 761,572 AIDS patients (many of whom are dead). Of an additional \$US20 million spent by the European Union in 1994–98, most "money goes to support travel and meeting costs rather than laboratory research".¹⁷⁸

While thousands of dollars per patient are spent on HIV/AIDS research, only a few dollars are spent on heart disease, cancer, mental illness, suicide prevention or road trauma.

The funding paradox reaches epidemic, almost farcical proportions in developing countries where Western AIDS workers spend their days dispensing advice and condoms to a population dying for want of potable water, adequate sanitation and nutrition, and antibacterial, antitubercular and antimalarial medicines—in a word, dying of *poverty*.

Currently, the annual cost of anti-HIV drugs for one person is about \$US15,000 (greater than the entire health budget for many a Third World village). With 650,000 to 900,000 HIV-positive patients in the USA as of July 1996, it would take US\$10 billion to pay for drugs alone. This must be viewed against the World Health Organization's estimate that by the year 2000 there will be 30 to 40 million HIV-infected people.

**In the AIDS era,
experts recognise that
antibodies to the "HIV-
specific" proteins occur
where there is no HIV
and in many more
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ever develop AIDS.**

**On what basis, then,
does "HIV" still exist?**

Without HIV, AIDS patients and specialist AIDS units and their employees can rationally be absorbed into the existing infrastructure of clinics and hospitals. The pursuit of expensive drugs designed to kill HIV will be irrelevant, as will be the travail of the legions of HIV researchers. The same applies to AIDS councils, the armies of AIDS educators, fundraisers, volunteers and AIDS organisations. In the US alone, there are 93,000 of the latter—one for every four persons ever diagnosed with AIDS.³⁴

• Clear thinking

Homo sapiens (thinking man) was not named in vain. An honourable society provides unfettered information and encourages its members to make rational choices. Epidemiology shows that the development of a positive "HIV" antibody test and AIDS is not so much related to a given sexual practice, but rather to the frequency of passive anal intercourse in both men and women.

It follows that AIDS is not a disease of sexual orientation, and as far as women are concerned it is prudent to note that, in absolute terms, innumerable more women than men engage in anal intercourse. Thus AIDS is not unlike the case of the recently appended AIDS-defining disease, cervical cancer, which long before the AIDS era was known to be related to the frequency of vaginal intercourse. Even so, it is not the act itself, but the very high frequency of the act, which is pathogenic.

As serious as public reaction to an ill-conceived retrovirus may prove, it will not be anywhere as serious as the legal backlash. There are countless individuals alive who believe they are infected with a deadly microbe, and many of them are currently treated with potentially toxic drugs with no proven benefit. They avoid intimacy, avoid having children, and sometimes avoid even casual contact with others. It would take a flotilla of poet laureates to

voice the collective pain and suffering engendered by such a mistake. It would take an army of mathematically gifted lawyers to quantify, and the nation's coffers to compensate, those whose lives have been ruined by what Neville Hodgkinson has called "the greatest scientific blunder of the 20th century".²⁹

This is not to forget patients and relatives who have died at their own hands. In 1987, former US Senator Lawton Chiles of Florida told an AIDS conference of a tragic case where 22 blood donors were informed they were HIV-infected on the basis of an ELISA test. Seven donors then committed suicide.¹⁷⁹

In June this year, the Swiss AIDS analyst Michael Baumgartner

persuaded United Nations officials to include a dissident session at the XIIth International AIDS Conference held in Geneva. Speakers included: Huw Christie, editor of *Continuum* magazine; AIDS analyst and documentary film-maker Joan Shenton; epidemiologist Professor Gordon Stewart; retrovirologist and electron microscopist Professor Etienne de Harven; virologist Dr Stefan Lanka; and, by satellite, Eleni Eleopulos and her group from the Royal Perth Hospital. In the audience were observers from the Pasteur Institute and the US National Institutes for

It would take an army of mathematically gifted lawyers to quantify, and the nation's coffers to compensate, those whose lives have been ruined by what has been called "the greatest scientific blunder of the 20th century".

Health. The topic of the session was a scientific critique of the HIV antibody tests and the evidence for the existence of HIV.

At the official press conference held after the meeting, Professor Bernhard Hirschel, chairman of the organising committee, accused the speakers of "using outdated and untrustworthy scientific data". However, it was this "outdated" data, that of Montagnier and Gallo, that led to the 1984 proclamation that HIV is the cause of AIDS. That considered "untrustworthy" is the HIV experts' own data.

Notwithstanding these and many other challenges to the current dogma, HIV/AIDS experts are not in the least disquieted by

Editor's Note:

Some of the endnote references in Part 3 are to be found in Part 1, published in NEXUS 6/03, June-July 1999 issue.

Endnotes

∞∞ Of the cumulative 7,766 Australian AIDS cases to date, 387 (5%) are reported in the "Heterosexual contact" exposure category. However, 22 of these qualify on the basis of "Sex with injecting drug user", "Sex with bisexual male", "From high prevalence country" (where heterosexual spread is deemed dominant), "Sex with HIV-infected person, exposure not specified", or "Not further specified".¹⁷⁷ Thus, injecting drug use, anal intercourse in women, the presumption of any form of sexual intercourse, and lack of sufficient data question the mode of acquiring HIV infection in at least 330 (85% of) individuals listed in this exposure category.

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sceptical patients, relatives or scientists, and inveigh heavily against inquisitive journalists alleging great harm to public health. Thus it appears that the only hope for an immediate resolution of this troubled issue is to have lawyers appearing for plaintiffs who desire judgements that they are, or are not, infected with an AIDS-causing virus. However, even if an examination of "HIV science" is destined to be scrutinised by courts of law, at present one must be realistic that in the short term the status quo is extremely unlikely to change.

• A real debate?

Nonetheless, it is inexorably drawing nearer to the time when world governments will convene an international, adjudicated debate on this subject. In contrast to the 13,775 participants from 177 countries who attended the June 1998 Geneva AIDS Conference, this should be a small gathering where a dozen or so experts from each side put their respective cases to a disinterested group of scientists of the utmost stature—for example, another dozen made up largely of Nobel laureates. There is a precedent for such a "consensus conference" or *conférence de citoyens* in common sense and "along the lines of a model invented in Scandinavia and since applied in the United Kingdom and elsewhere". A "jury" of 14 people "screened for independence from interested parties" would have issues "debated in front of them by scientists, non-governmental organizations, industrialists and other bodies", as "The power of public research bodies is probably the best guarantee of independence with respect to private sector research and the influence of multinationals".¹⁸⁰ By AIDS standards, funding for such a meeting would be trivial. Indeed, such would be its significance that it would make money for the organisers.

Perhaps a disinterested observer could be forgiven for concluding that, although we are now well into the 18th year of the AIDS era and have spent many billions of dollars on treatments and research, the words of Dr Peter Duesberg continue to taunt us:

"By any measure, the war on AIDS has been a colossal failure...our leading scientists and policymakers cannot demonstrate that their efforts have saved a single life."

Dr Peter Duesberg

"By any measure, the war on AIDS has been a colossal failure...our leading scientists and policymakers cannot demonstrate that their efforts have saved a single life."¹¹

Perhaps the words of Eleopulos's group are of even greater portent: "The single most important obstacle in finding the explanation for AIDS is the belief in HIV."^{19, 26}

In his recent book, *Dancing Naked in the Mind Field*, Dr Kary Mullis writes: "Years from now, people will find our acceptance of the HIV theory of AIDS as silly as we find those who excommunicated Galileo."¹²

Indeed, it was Galileo who counselled: "In Science, the authority embodied in the opinion of thousands is not worth a spark of reason on one man."

Perhaps, seventeen years in, we should all pause, look around, and then take a long look back. ∞

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About the Authors:

• Valendar F. Turner is a Consultant Emergency Physician. He can be contacted at the Department of Emergency Medicine, Royal Perth Hospital, Perth, Western Australia, tel: +61 (0)8 9224 2662, fax +61 (08) 9224 7045, e-mail <vturner@cyllene.uwa.edu.au>, website <www.virusmyth.com/aids/perthgroup/>.

• Andrew McIntyre is a Melbourne-based freelance writer and social commentator. He has written extensively on the gender wars, and takes a particular interest in social and scientific issues normally avoided or distorted by the mainstream press for reasons of political expediency or cultural orthodoxy. He appears from time to time on radio and television. He can be contacted care of NEXUS Magazine.

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IN THE REALM OF THE RING LORDS

***To maintain its
persecution of the
Grail dynasts and
heretics, the Church
made sure it
subverted the
stories that would
keep the true Grail
legacy alive among
the people.***

Part 2 of 2

**by Sir Laurence Gardner,
Kt St Gm, KCD, KT St A**

From a lecture presented at the
1999 NEXUS Conference, Sydney

Transcript © Sir Laurence Gardner 1999

What the bishops did, however, at the 1545 Council of Trento in northern Italy, was they formally blacklisted and outlawed the prophecies of Merlin, withdrawing all related material from the public domain. Eventually, in order to weigh the literary balance in the Church's favour, a new breed of writing was born, and it came into its own as Gothic Romance.

The premise behind these tales was not so much about saving victims, but rather more about destroying the enemies of contrived "churchianity"—with crucifixes galore and gallons of holy water being the essential weapons in the dreaded undertaking against the sinister "evil ones".

Then, in time, the Christian movement had a wonderful idea for its own Merlin competitor: not a wizard as such, but an early Church bishop with canonised status. But, what a very strange choice they made!

Back in AD 325, one of the characters at Emperor Constantine's Council of Nicaea was a certain Nicholas, Bishop of Myra. At this Church conference the bishops were debating the nature of the Holy Trinity and of how Jesus was not simply the Son of God but was also God incarnate. The ageing Libyan priest, Arius of Alexandria, was not at all happy about this new concept and decided to make his feelings known. But when he rose to speak, Nicholas of Myra immediately punched him in the face!

This, of course, brought the debate firmly back onto the required track—subsequent to which, the violent protagonist was rewarded for his effort and duly became Saint Nicholas. This titular name was later corrupted in parts of Europe to become Sinterklaas or Sintniklaus, and then, in the English-speaking countries, to Santa Claus. Now, by virtue of a good deal of strategic propaganda, he is lovingly revered by children as the jolly, gift-bearing Father Christmas—a far cry from the original vindictive bishop of historical record.

Within the Celtic Church of the Dark Ages (in the days of Taliesin and the Merlin seers to the kings), there had been some very prominent adepts of the old wisdom: abbots and culdees such as St David, St Patrick and St Columba, all of whom were denounced in their day by the Roman Church for their so-called wizardry and pagan beliefs. Even the later papal establishment regarded them all as necromancers and sorcerers, but this is not the way things are currently portrayed. Although the Merlin prophecies were expressly banned by the Council of Trento, the teachings of David, Patrick and Columba were so firmly cemented in society that the Church pursued a different strategy of incorporation.

A thousand years after the lifetimes of these Druidic Magi, the Vatican elected to bring them into the orthodox saintly fold so that the real truth of their Celtic environment would be overshadowed. Then, only a couple of years ago, the British Post Office and the Anglican Church joined forces to promote the gentle St Columba of the Celts alongside his bitter Catholic rival, St Augustine of Rome, who came to England with an express papal brief to destroy the Columban movement immediately after Columba's death in 597. Notwithstanding this historical fact, however, the anniversary postage stamps and substantially hyped propagandist material of 1997 portrayed these two arch-enemies as if they had been blood brothers in a common cause—proving beyond doubt that new myths of "churchianity" are still being created to this day.

With regard to the werewolves, who were said to manifest at the height of the full moon, the definition of *were* is, quite simply, "man" (hence, "werewolf" is "man-wolf"), but it comes rather more precisely from an ancient High Druidic caste of Wood Lords (called *Weres* or *Wallans*). Their totem animal was the wolf—just as other tribes were

represented by, say, a boar or a horse. These totems were really no more than the early predecessors of heraldry, whereby families became identified by the animals, plants, shells and other devices on their banners.

Historically, the Wallans became very influential, founding great kingly dynasties in Ireland, Wales and England. The great Cadwallan of Wales was of this Druidic race, as was King Casswallan, the intrepid son of Beli Mawr—the greatest of all the sovereign Wood Lords in about 100 BC.

Other totems, of course, were the various god and goddess representations, and it is especially relevant that one of these still holds a prime British national position today, having persisted though the centuries from the early culture of the Wood Lords.

The original Wallans were apparent in Mesopotamia around 3,800 years ago, in about 1800 BC. They were called the *Yulannu*, which meant, quite simply, Wood Lords. Indeed, it was from their culture that the original Yule tradition derived, subsequently making its way across Europe to Scandinavia.

The venerated Goddess of the *Yulannu* was Barat An-na (Great Mother of the Fire-stone). The Sumerians called her Antu. She was the wife of the god Anu, and the mother of Enki. In later times, she was identified with Diana of Ephesus (Diana of the Nine Fires). The cult of Barat An-na spread across Syria into the Phoenician kingdom, where they began to portray her on their coins. In these representations, she sat by the seashore with a torch of fire, and at her side was a round shield bearing the cross of the *Rosi-crucis*.

Along with the Wallan Druids, the culture of Barat An-na was brought to the British islands, where her name became compacted to Bratanna. And in those islands, her image persisted to the extent that she became the great tribal goddess—a goddess who, despite all the emergent centuries of Christianity, has prevailed to this very day. Her image on the coins has barely altered, except that her flaming torch became a lighthouse, and the *Rosi-crucis* cross of her shield was amended to become the Union Jack. But, after all this time, she is still the Mother Goddess of the land, the Lady of the Fire-stone: Britannia.

Earlier, I mentioned the mighty King Casswallan who reigned in Britain at about the time of King Herod the Great. By virtue of being the son of the great Beli Mawr, he was not only a Wood Lord but was also a Ring Lord of the Cassi; hence, he was *Cassi-Wallan* or *Casswallan*.

The *Cassi* tribes were also from Mesopotamia, prior to which (having previously settled in the northern Zargos Mountains along with the *Yulannu*) they were Carpathian princes of the *Sidhé*. They were, in fact, of the *Tuatha Dé Danann* Fairy strain. They reigned in regional Mesopotamia from the 18th century BC and, from about 1600 BC, they governed all Babylonia for another 500 years.

This particular race developed one of the oldest Ring cultures in history and, in ancient Ireland, they were the sacred race of the god-men: the *Vere-Bolg*. The greatest of their Ring shrines still exists, known as Newgrange today—originally a sacred royal seat identified as a *Rath*. These shrines ("fairy rings") were called the *Creachaire* (temple-tombs), and they housed the *Raths* which were turf-covered mound dwellings constructed upon a frame-

work of poles. In later times, they were called *Tepes* (pronounced "tepesh")—from which derived the American Indian *tepee*—and they were reckoned to be Portals to the Netherworld, the sacred domain of ancestral souls.

It is from this mound-dwelling practice that the tribal name of the Cassi Kings evolved, for a *Cassi* was a Place of Wood. They were the seats of the Portal Guardians: the *Oupires*, the Ring Lords of the *Sidhé*, who, as we saw earlier, were later dubbed "vampires".

One of history's best known Grail Fairies was Princess Melusine, daughter of the Pictish King, Elinas of Alba—a descendant of the 2nd-century King Vere of Caledonia, Lord of the Dragon. In the year 733, Melusine (maintaining the family heritage) married Rainfroi de Vere, Prince of Anjou, and among their offspring was Count Maelo, the commander of Emperor Charlemagne's army. From Maelo's own marriage to Charlemagne's sister sprang the Vere Counts of Guisnes who, as previously mentioned, were the reputed Elf Kings and became England's Great Chamberlains and Earls of Oxford.

In the Arthurian and Magdalene traditions of the Ladies of the Lake (as discussed in *Bloodline of the Holy Grail*), Melusine was a "fountain fey"—an enchantress of the Underwood. Her fountain at Verrières en Forez was called *Lusina* (meaning "Light-bringer"), from which derived the name of the Royal House of Lusignan—the Crusader Kings of Jerusalem. The Fount of Melusine was said to be located deep within a thicket wood in Anjou, and Melusine was often depicted as a mermaid—as she is still beguilingly portrayed in an old painting at Count Dracula's Bran Castle in Romania.

In the 12th-century, Melusine's descendant, Robert de Vere, 3rd Earl of Oxford and legal pretender to the Earldom of Huntingdon, was appointed as King Richard I's Steward of the forest lands of Fitzooth. As Lord of the Greenwood and titular Herne of the Wild Hunt, he was a popular people's champion of the *Sidhé* heritage—as a result of which he was outlawed for taking up arms against King John. It was he who, subsequently styled Robin Fitzooth, became the prototype for the popular tales of Robin Hood.

Of all the monarchs who ever sat upon the throne of England, the Tudor Queen, Elizabeth I, was by far the most in tune with ancient cultures and wood lore. She was even called the Faerie Queene and, before being formally crowned, she was installed by the people as their Queen of the Greenwood. This was an ancient ritual of the Shining Ones—the Elven Race of the *Albi-gens*. The ceremony was conducted in the mist of early dawn in the depths of Windsor Forest and, to facilitate the installation, the customary Robin Hood legacy of the House of Vere was brought into play.

At that time, the Queen's Lord Chamberlain was Edward de Vere of Loxley, 17th Earl of Oxford, and it was his office to invest Elizabeth by first deposing the *Caille Daouine*. This was the traditional King of the Forest (whose name had given rise to Scotland's Pictish realm of Caledonia)—the mighty Stag of the Seven Tines, upon whose back Lord Vere rode into the ceremonial clearing.

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Edward de Vere of Oxford was a friend and student of the Rosicrucian alchemist and Secret Service operative John Dee, and he worked closely with the statesman and philosopher Francis Bacon (later Viscount St Albans). Between them (along with others) they comprised the Royal Court Syndicate which was responsible for providing much of the material for the works of their playwright colleague, William Shakespeare.

As mentioned in connection with Melusine, fountains, springs and water in general were always associated with the Ring Lord female line. This stems from the very earliest times of the *Anunnaki*, whose founding mother (as explained in ancient Mesopotamian literature) was *Tiâmat*, the Sea-dragon. In later times, these queens were commonly represented as mermaids (mere maids), and were often called Ladies of the Lake. This was a style granted to Mary Magdalene when she had settled in Provence from AD 44.

While the male descendants of Mary Magdalene and Jesus became the noted Fisher Kings in Gaul, the female line retained its Dragon Queen status, in a quite separate dynasty, as the matriarchal Queens of Avallon in Burgundy. They were known as the House *del Acqs* (the House of the Waters), and among their number was the great 6th-century Queen Viviane, revered as the Lady of the Lake in Arthurian romance. This heritage was so important to the Celtic Church that, when King Kenneth MacAlpin united the Scots and Picts in 844, his extant installation document made special mention of his descent from the Queens of Avallon.

The true significance of King Arthur was his immediate joint descent in both the male and female lines of the Albigen. His father was King Aedàn of Dalriada, the Pendragon of Britain in the year 559 and a descendant of the Wood Lord Beli Mawr. His mother was Ygernia del Acqs, the daughter of Queen Viviane, whose grandson (by Ygernia's sister, Viviane II) was the legendary Lancelot del Acqs. Ygernia (sometimes called Igraine in the Grail tradition) was the High Queen of the Celtic kingdoms, and her daughter Morgaine (by her first husband, Gwyr Llew of Carlisle) was High Priestess of the Sisters of Avallon.

Over the years, there have been any number of speculations concerning the historical Arthur, but these are mainly fronted by tourist establishments endeavouring to claim the Arthurian heritage for their particular parts of England or Wales. The fact is, however, that (in line with the traditional accounts) there was only ever one High King of Britain called Arthur. There was only ever one Arthur born as the son of a Pendragon. There was only ever one Arthur whose mother was Igraine of Avallon and whose grandmother was the recognised Lady of the Lake. There was only ever one Arthur with a son named Modred, and there was only ever one Arthur with a sister called Morgaine (or Morganna as some of the stories refer to her).

In this regard, the old annals of Scotland and Ireland, along with the records of the Celtic Church, are unanimous in identifying Arthur mac Aedàn of Dalriada. He was invested as Sovereign Commander and High King in the year 575 by the Druid, Merlin

Emrys, and his primary seat was at Carlisle in the north of England, from where he controlled the military defence of the English-Scottish border country.

Returning to the Raths (or royal mound-dwellings), we should perhaps consider the fact that, as mentioned, these Portals to the Netherworld were called *Tepes*—for this was the very style afforded to one of the most enigmatic of all Gothic figures: Count Dracula. Historically, and quite outside the Christian propagandist mythology which surrounds the vampire character of Bram Stoker's famous novel, Dracula was Prince Vlad III of Wallachia, who is often referred to as Vlad Tepes.

Since the word *tepes* relates to "wooden poles", it is often thought that Vlad's descriptive nickname relates to his individual method of executing enemies of the State by impaling them upon

wooden stakes. Hence, Vlad Tepes is sometimes said to mean "Vlad the Impaler". This, however, is completely untrue. He was called Tepes (as were many other Druidic elders before him) because, within the ancient Ring Lord culture of the Sidhé, he was an appointed Creachaire Portal Guardian.

Vlad Tepes, a 15th-century Prince in Romania, founded the capital city of Bucharest. His popularised name, Dracula, means "Son of Dracul", and *Dracul* (or Dragon) was a style by which his father was known within the Grail fraternity of the *Ordo Draconis* (The Imperial Court of the Dragon) from 1431.

During this past century, ever since the 1897 novel, *Dracula*, was published, Vlad has become an archetype of the Church-promoted Gothic tradition. However, the establishment's real fear of Dracula was not his harsh treatment of enemies, as is so often cited, nor that he was a blood-sucking vampire in the Stoker tradition. What they feared was his in-depth knowledge of alchemy and the fact that he was truly an operative Oupire—a ven-

erated Overlord of the Rath, a Portal Guardian in the ancient Yulannu manner of the Ring Lords.

Those of you who have read *Bloodline of the Holy Grail*, or maybe even *Genesis of the Grail Kings*, will be familiar with the terracotta portrayal of the Sumerian goddess, Lilith, from around 2000 BC. In this depiction (as in those of other Anunnaki hierarchy) Lilith is seen to be holding the Rod and Ring of Divinely Measured Justice. The Rod was actually an instrument of measure, and in some portrayals it is very clearly marked in calculable units (like a modern ruler). By Babylonian times, it was referred to as the Rule, and the one who held the Rule was the Ruler—which is from where our governmental term derives.

The Ring (as mentioned at the beginning of this talk) was a symbol of wholeness, unity and eternity. It represented a continuance of Divine Justice—a justice that was measured by the Rod (or Rule). Hence, the Ring was the ultimate insignia of the Anunnaki Overlords—the enigmatic Oupires who were responsible for the establishment of municipal government and kingly practice—for they were the progenitors of civilisation from about 4000 BC.

Fountains, springs and water in general were always associated with the Ring Lord female line.

This stems from the very earliest times of the Anunnaki, whose founding mother was Tiâmat, the Sea-dragon.

In view of this, it is of particular interest to note that Tolkien, when asked about the Middle Earth environment of his book, *The Lord of the Rings*, answered that he perceived its setting to relate to somewhere around 4000 BC. "The cauldron has always been boiling," he said. "We simply add new ingredients to the soup." In this respect, his popular tale, although enthralling, was not actually new in concept. From the earliest of European times, the Saxon god, Wotan (or Odin, the equivalent of the Sumerian Anu), was said to have ruled the world with eight rings, having one more, the ninth ring (the One Ring), to govern the others.

During the mediaeval days of the Church's persecution of heretics and, indeed, through the Middle Ages and beyond, all manner of Grail-related subject matter fell prey to the wrath of the bishops and friars. Unsuspecting victims were accused of any number of apparently unsavoury practices, and any association with the Ring culture was proscribed. Indeed, when Joan of Arc was accused of witchcraft, one of the charges laid against her by the bishops was that she used magical rings for enchantment and curative purposes. As a result, she was burnt at the stake in 1431. But, in 1920, the Church reconsidered her case and she was pardoned and canonised!

As detailed in *Bloodline of the Holy Grail*, not only were proscriptions levelled against the writings of Merlin—with a good deal of other literature confined to the supposedly "lost" coffers of the Dark Ages—but pictorial art also came under close scrutiny and many new rules were made. One of these was that the Virgin Mary could only be portrayed wearing blue and white (just as she is commonly depicted today). The reason for this was that other colours, especially the red of the cardinals, might have implied that she held some form of ecclesiastical office within a Church that afforded no clerical status to women.

What is not so commonly known is that the Church's regulations also applied to music—in particular, ancient music which could be traced to cultures other than that of Rome, Greece or Lydia. It is by virtue of these implemented regulations that so many of today's reference books determine that, for the most part, music evolved either from Greece or from various parts of the Roman Empire.

It is precisely the same with the English language, which is largely, but quite erroneously, said to derive from Greek and Latin. To cement this notion very firmly into our culture, we are taught from the classical literature of Homer and Virgil; but what is always forgotten is that both the Greek and Roman languages themselves evolved from other, far older, sources. Much of the language of Europe, including the English language, can be traced back into Phoenicia, Syria, Egypt, India and Mesopotamia, with many of the word stems being thousands of years old.

In the world of music, we have the very same scenario and, by virtue of discoveries made in the past few decades, there is no doubt that structured and sequenced music played a major role way back in the days of the Babylonian kingdoms and beyond.

Silver pipes, bells and drums, along with beautifully ornamented harps and lyres, have all been unearthed in ancient Sumer from graves dating back five or six thousand years, and it is known that lutes were also used.

Buried along with kings and queens of the Dragon succession, these finely produced instruments were clearly ceremonial and would appear to have been used in ancient Star Fire and Fire-stone rituals, as described in *Genesis of the Grail Kings*. The Fire-stone ritual (the ritual of the goddess Antu, or Barat An-na) was largely a levitation ceremony conducted with the monatomic, superconductive element of the Highward Fire-stone (the white powder of gold).

Even in modern times, music has been used to perform levitational feats—notably in Tibet, where prohibitively large stone blocks have been lifted and positioned high in the mountains by using anti-gravitational sound frequencies. The ritual involves nineteen musicians and, behind them, 200 monks, radiating outwards in lines (in groups of five) at five-degree intervals, facing towards a mountain cave. The musicians use thirteen barrel-drums of variant sizes (weighing up to 150 kilograms apiece), suspended from wooden frames and directed towards a bowl-shaped cavity in which the required boulder is placed, between the musicians and the cave. Also, there are six long trumpets positioned at intervals between the drummers. On command, the trumpets and drums begin, with the monks at the rear providing a baffle whilst chanting. The time span before levitation of the stone occurs is four minutes and, in this manner, stones have been lifted some 400 metres, to be lowered into their necessary mountain temple positions.

Having made an intensive study of the intricacies of this ancient procedure, Adrian Wagner has recreated a musical enactment in "The Phoenix and the Fire-stone" track of the *Genesis of the Grail Kings* album—strategically breaking the sequence with a Golden Mean partition and concluding immediately before the four-minute deadline. Locked within this are frequencies that are so low as to be

inaudible to conscious awareness, but which resonate directly with the frequency of the pineal gland. This, as many of you will know, is the gland responsible for heightened states of awareness and perception.

Also included within the *Genesis* album are aspects of musical harmonics which were banned by the Vatican in the Middle Ages, subsequent to their use by the Knights Templars and Cistercian monks in the construction of their Magdalene-dedicated *Notre Dame* cathedrals, which are noted for their architectural defiance of gravitational theory. The knights of this particular branch of the Templars (constituted by King Baldwin of Jerusalem in 1118) were called the Guardian Princes of the Royal Secret.

One of these musical sequences is the most famous of all: a tritone dubbed by the Church as "the Devil's interval". This is a direct extraction from the discovered harmonic scales of ancient Mesopotamian deities, which include the Enki scale, Enlil scale, Anu scale, Marduk scale, Kingu scale, Inanna scale and others.

No composer has done so much to preserve the legacy of Ring

Even in modern times, music has been used to perform levitational feats—notably in Tibet, where prohibitively large stone blocks have been lifted and positioned high in the mountains by using anti-gravitational sound frequencies.

lore as Adrian's great-great-grandfather, Richard Wagner. His renowned 16-hour, four-part Nibelungen Ring Cycle—*The Rhinegold*, *The Valkyrie*, *Siegfried* and *Götterdämmerung* (*Twilight of the Gods*)—was largely drawn from Burgundian folklore, but derived ultimately from the very old Norse mythology of the Volsunga Saga.

The Ring's ultimately key character is the warrior Siegfried who, while under the spell of a potion, betrays the woman he loves—a goddess-turned-mortal called Brunhilde, who then masterminds his death. Subsequently, however, she realises her error and throws herself upon Siegfried's funeral pyre to be with him in eternity. The magical Ring that Siegfried gave to Brunhilde is retrieved from the ashes by the Rhinemaidens, the rightful Water Guardians of the Gold. And, by virtue of this, along with Brunhilde's self-sacrifice, a hitherto curse (placed upon the Ring by Alberic the Nibelung, Dwarf Lord of the Underworld) is lifted.

The Ring had originally been stolen from the Rhinemaidens by the *Nibelung*, who lost it to Brunhilde's father, the sky-god Wotan. Then Siegfried won it by killing a dragon. But, upon the final cleansing of the Ring by the Rhinemaidens, Wotan perishes, together with his dream kingdom of Valhalla. With the Ring now back in its rightful hands, the world is redeemed and the Cycle is complete.

And so, once again the traditional Ring lore is apparent, just as in Tolkien and the Grail stories, for the Ring is finally seen to destroy those who hold it without the right of affinity. The golden Ring itself (forged from the enchanted flat-stone of the Rhinegold) had the power to afford its master the lordship of all the world, but only at the cost of forsaking love and selling his soul to the Ring's awesome power.

In terms of the straightforward Messianic line of King David and Jesus, the most powerful of the Ring Lords was King Solomon, who, in the Hebrew Talmud, was said to be the mightiest magician of the age. His great wisdom and considered judgement as a sorcerer-king were directly attributed to his ownership of an enchanted ring, and the legend of King Solomon's Ring was clearly a major inspiration for Tolkien.

In the same manner as Solomon, Tolkien's Ring Lord, Sauron, used his One Ring to command all the demons of the Earth. Solomon used the demons to build a Temple of Jerusalem, whilst Sauron used them to build the Tower of Mordor. The rings were also similar (as is usual in the tradition), in that each had the power to corrupt and destroy its master. Solomon's Ring achieves his downfall through the agency of the demon Asmodaeus, whereas Sauron is, in effect, his own destructive demon.

Along with the rings, there are also story similarities concerning the possession of light-radiating jewels, with Solomon's being the *Schamir* and the Elf King Thingol's being the *Silmaril*—each of which is said to be an heirloom of the respective King's race.

By virtue of such Jewish writings, the Dominican wrath of the Spanish Inquisition (from about 1480) was largely directed against the Jews, especially those connected with Kabbalistic studies, and it was really as a direct result of this persecution that

the witch-hunts began.

Prior to that, the Roman Inquisition had been more concerned with heterodox Christians: those heretics who were Christians of one sort or another (Arians, Nestorians, Nazarenes, or whatever), but were not members of the Roman Church, and whose culture revolved, to some extent, around traditions of magic and alchemy that were outside Church control. But, here were the Jews putting forward their own versions of the old lore—particularly those Jews in the Narbonne region of the Spanish Marches, where the House of David had once been given privileged rights of princely independence by Emperor Charlemagne.

It was recognised, therefore, that the net should be cast over a wider arena, so as to take account of those of completely different persuasions. It was no longer a matter of the Church simply endeavouring to clean up the Christian house. What of the Jews? What of the Muslims? What of the pagans in general?

And so, from the late 15th century, the Inquisition began a thorough process of "ethnic cleansing". No one who was other than a full-blooded and obvious Catholic was safe. But, there had to be some new form of classification to pull all the prey into the ever-expanding net. The Grand Inquisitor at the time was the brutal Tomás de Torquemada, Senior Confessor to Ferdinand II and Queen Isabella of Spain. Under his direction, the answer was found and, very soon, the friars had set their sights upon "the most diabolical heathens who ever conspired to overthrow the Roman Church".

In 1484, two Dominicans, Heinrich Kramer and James Sprenger, published a book called *The Hammer of Witches*. This evil but imaginative work gave full details of what was perceived to be the hideous new threat posed by all the practitioners of satanic magic. The book was so persuasive that, two years later, Pope Innocent VIII issued an official Bull to authorise the suppression of this blasphemous sect. Up to that point, the cult known as Witchcraft (to the extent that it existed at all) had not really constituted a threat to anyone. It rested mainly in the continuation of pagan ritual and fertility rites by the peasant classes. In real terms,

it was little more than the vestige of a primaevial belief in the divine power of natural forces, focused above all on Pan, the mischievous Arcadian god of the shepherds.

Pan was traditionally portrayed with the legs, ears and horns of a goat, but the creative Dominicans had other ideas about the pipe-playing Horned One, and they blackened his image so that he was seen to correspond to the Devil himself. However, since the Inquisitors were all men, it was determined that witchcraft must be a form of depravity linked to the insatiable wantonness of women!

The problem was that nobody really knew who these presumed witches were, and so a series of ludicrously tragic trials and tests was devised to root them out. In the midst of all of this, the harsh Puritan sect became politically allied to the Roman strategy, implementing its own witch-hunts in England and, later, in America. Over a period of some 250 years, more than a million innocent men, women and children were murdered by the delegated authority of the witch-finders.

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It was against the backdrop of this religious fanaticism and persecution that the Renaissance movement was born—an era of rebirth and resurrection, facilitated by an environment of democratic free-thinking. This era (with its height in the early 1500s) was the age when Leonardo da Vinci, Raphael and Michelangelo developed the harmony of classical art to its highest form. And it was the age in which the excitement of pagan-oriented scholarship re-emerged in a burst of colour to cross new frontiers of science, architecture and design.

During the course of this, in 1614 and 1615, two tracts, entitled *The Rosicrucian Manifestos*, emerged from Germany. These were immediately followed by an associated romance called *The Chemical Wedding*, written by the Lutheran pastor Johann Valentin Andreae. The publications announced a new Age of Enlightenment and Hermetic liberation in which certain universal secrets would be unlocked and made known.

In view of the advent of Britain's scientific Royal Society and the inspired work of Isaac Newton, Robert Boyle, Robert Hooke, Edmund Halley, Christopher Wren and others a few decades later, the prophecies were correct enough but, at the time, they were veiled in allegory and appeared to convey an even more pertinent message.

The writings centred upon the travels and learning of a mysterious character named Christian Rosenkreutz, a Brother of the Rosy Cross. His name was plainly designed to have Rosicrucian significance, and he was depicted wearing the apparel of the Knights Templars.

The action of *The Chemical Wedding* takes place in the magical Castle of the Bride and Bridegroom—a palace filled with lion effigies, where the courtiers are students of Plato. In a setting worthy of any Grail romance, the Virgin Lamplighter arranges for all present to be weighed on the scales, while a clock tells the motions of the heavens and the Golden Fleece is presented to the guests. Music from strings and trumpets is played throughout, and all is cloaked in an atmosphere of chivalry, while Knights in Holy Orders preside.

Beneath the castle stands a mysterious sepulchre bearing strange inscriptions, and outside in the harbour are twelve ships of the Golden Stone, flying their individual flags of the Zodiac. Amid this curious reception, a fantasy play is conducted to tell the compelling story of an unnamed princess who, cast ashore in a wooden chest, is discovered by a prince, whom she marries, thereby causing a usurped royal heritage to be restored.

This is another Lost Bride fairy story of the type we have already seen. But, when combined with the two earlier publications, *The Chemical Wedding's* Grail significance was blatantly obvious, and the Church wasted no time in bringing the full weight of its condemnation against the Rosicrucian movement.

Having considered the historical Fairies, Pixies and Elves, we can now take a look at some others of the so-called Shining Ones: the Sprites, Goblins and Gnomes.

The definition of "sprite" is no more nor less than a "spirit person"—one of the transcendental realm of the Sidhé. The original Sprites were the ancient Scythian ghost warriors who painted their bodies grey-blue to look like corpses when they entered the battlefield.

In Shakespeare's *A Midsummer Night's Dream*, the character Puck is described as a "sprite", and in traditional English wood lore Puck is identified with a certain Robin Goodfellow who was said to be a "goblin". His father was Herne the Hunter. Hence, Oberon and Herne are one and the same. The name Oberon (a variant of Albrey the Elf King, as we have seen) is itself a derivative of the Scythian *Oupire* (meaning "over") and *Ron* (meaning "reign"). Oberon, therefore, means "Over Reign", which is the same as High King or Pendragon.

The description of "goblin" stems immediately from the Germanic word *kobelin*, and the *kobelins* were said to be mine-workers or those who worked underground. In the context of the Ring culture, goblins were, in essence, attendants of the Oupire Portal Guardians of the Rath—the mound-dwellings of the Tepes gateways to the ancestral Netherworld—and they were just as human as the Oupires themselves.

Gnomes, like Goblins, were said to be the guardians of the underground treasures—which is why the word is today associated with banking, as in the so-called "Gnomes of Zurich".

The word root is in the Greek equivalent of *gno-*, from which we get "gnosis" and "gnoble" ("noble"). The Gnomes were therefore, once again, of the noble race and were referred to as "the Wise Ones". Their job was indeed one of guardianship: they were guardians of the gnosis (the knowledge) and the Sacred Bloodline of the Albi-gens. It is by way of the noble (or gnostic) distinction that the Fairy Race in general was referred to as the Gentry—particularly the Druidic caste of the *Pict-sidhé* (the Pixies) who were the ultimate custodians of law and culture. Their female counterparts were the *Behn-sidhé* (the Banshee), which, in old Irish, simply means "the Wise Women".

In life, when presented with a seemingly unsurmountable problem, one can either submit to the stress and pressure that it causes or, alternatively, one can mentally diminish the problem. That does not mean that it goes away, but it can appear less harassing and more controllable. Well, that was precisely what the Church did with the

Dragon succession—the Ring Lords of the Albi-gens, the Sacred Bloodline of the Holy Grail. By way of redefining all the original names—Fairies, Elves, Pixies, Gnomes, Goblins, Sprites, or whatever—they diminished the problem by miniaturising the nominal significance. In so doing, the transcendental race of the Sidhé was portrayed as minute little figures and moved into the realm of mythology. The fraudulent Donation of Constantine was then brought into play and, henceforth, only the Church could determine who was and was not a king!

If this strategy did not work sufficiently on its own, as was indeed the case in the Renaissance (a period of a more general awareness and enlightenment), then part two of the plan was brought into operation. This was more specifically targeted at the key members of the Messianic strain: the ultimate Dragon succession of the Albi-gens—the dynastic Kings and Queens of the *Sangréal* and their senior Oupires. These people were real, and everyone knew that, so they could not be confined to the superficial realm of fantasy. They could, however, be portrayed as if (being of the Dragon blood) they were of a weird, half-human

One of the most surprising things about the Scythian Ring Lords is that their preserved remains from thousands of years ago show their bodies substantially tattooed with ring-tailed lemurs.

Continued on page 87

THE TRANSMUTATION OF MERCURY INTO GOLD

by Robert Nelson © 1998

In March 1924, Prof. Hantaro Nagaoka et al. (Tokyo Imperial University) described their studies "on the isotopes of mercury and bismuth revealed in the satellites of their spectral lines"—gold in particular. In May 1925, they reported some of the technical details.

Nagaoka and his co-workers discharged about 15×10^4 volts/cm for four hours between tungsten and mercury terminals under a dielectric layer of paraffin oil. They used the Purple of Cassius test to detect Au in the viscous residue of C, Hg, etc. The black mass was purified *in vacuo*, then by combustion with oxygen and extraction with HCl, to yield Au, either in aqua regia solution or as ruby-red spots in the glassware. Microscopic films of Au were found on occasion.

Nagaoka stated that when a discharge was passed through drops of Hg falling between iron electrodes, the formation of silver and other elements was observed. Another run of an Hg lamp for more than 200 hours at 226 volts produced a milligram of gold plus some platinum. It was noted that: "In order to be sure of transmutation, repeated purification of Hg by distilling in vacuum at temperatures below 200°C is essential."

Considerations of the satellites of the spectral lines of Hg led Nagaoka to the conclusion that a proton is "slightly detached" from the nucleus of Hg, and it can be removed. It was surmised that "if the above assumption as to the Hg nucleus is valid, we can perhaps realise the dream of alchemists by striking out a hydrogen proton from the nucleus by α -rays or by some other powerful methods of disruption" to produce Au from Hg.

At about the same time, Professor Adolf Miethe of the Photochemical Department at the Berlin Technical High School found that the mercury vapour lamps, used as a source for ultraviolet rays, ceased to work after a time because of a sooty deposit which formed in the quartz tubes. Miethe

tested these deposits and detected gold. Subsequently, Dr Miethe and Dr Hans Stammreich were issued German Patent Specification No. 233,715 (8 May 1924) for "Improvements in or Relating to the Extraction of Precious Metals".

According to the specification: "...an electric arc is formed between mercury poles, in the same way as is done in mercury quartz lamps. With sufficient difference in potential, gold is then produced in the mercury. It is advisable to condense again the evaporated mercury. The quantity of gold produced depends, all other conditions being equal, on the quantity of current and also, among others, on the vapour pressure of the mercury or on the difference of potential in the arc. The difference of potential in the arc must therefore be sufficiently great. If it drops to excessively small amounts, the efficiency will be greatly reduced. If the difference of potential is increased, the quantity of gold formed will be considerably increased, beginning with a certain difference of potential."

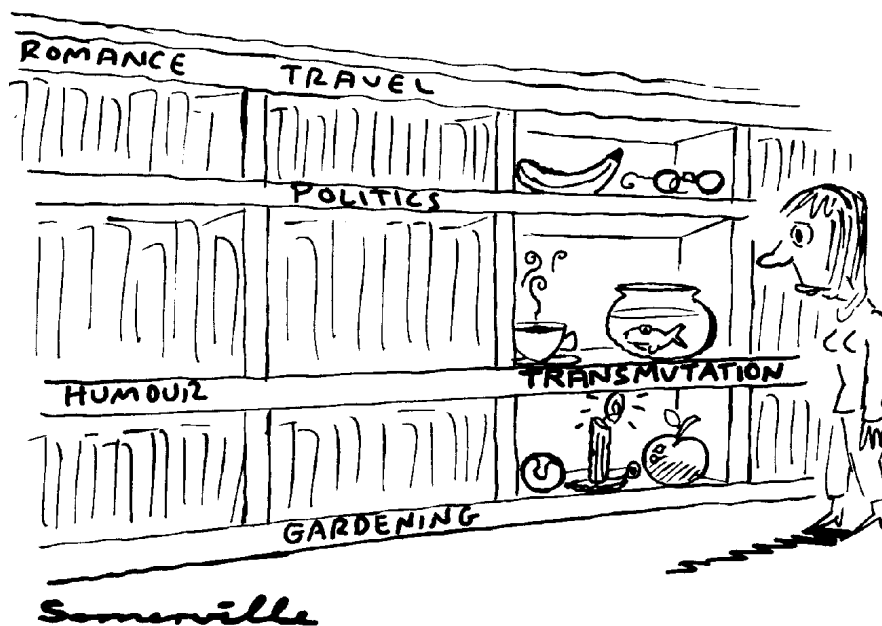
In July of 1924, Dr Miethe announced that he and Dr Stammreich had changed mercury into gold in a high-tension

mercury vapour lamp. The experiment produced one dollar's worth of gold at a cost of US\$60,000, equivalent to over \$2 million today (gold then sold for \$330/lb).

Miethe used a potential of 170 volts applied for 20–200 hours. The lamp consumed 400–2,000 watts. A minimum potential difference is necessary. The yield of gold was minute: 0.1–0.01 mg. The mercury and the electrodes were analysed and determined to be free of gold before the experiments. Miethe was not able to attempt to prove the production of α -rays or β -rays, hydrogen or helium.

O. Honigschmid and E. Zintl determined the atomic weight of Miethe's mercuric Au, using potentiometric titration of auric salt with TiCl_2 . It was found to be 197.26 (± 0.2), which is heavier than ordinary Au (197.2). They emphasised the need for a mass spectral analysis.

Frederick Soddy responded to the announcement of Miethe's claims with the suggestion that such a change might be effected by attaching an electron to the mercury nucleus: "Consider the collision of high-speed electrons with mercury atoms. A small proportion of these electrons must be directed upon the



nucleus. If they possess sufficient energy to penetrate the external levels of electrons in the mercury atom, they must reach the positively charged nucleus and be captured by it. Since the loss of an electron (as a β -ray) by the nucleus of an element results in the atomic number of the element in question being increased by one, the gain of an electron by an atomic nucleus must result in the diminution of the atomic number by one. This is quite general. In the case of an isotope of mercury of atomic number 80, the product will be an isotope of gold of atomic number 79.

"Upon existing knowledge it is simply a question of (1) the potential sufficient to drive the electron through the outer levels of electrons surrounding the mercury nucleus until it comes within the sphere of attraction of the powerfully charged nucleus; (2) whether the exceedingly small fraction of direct collisions with the nucleus that is to be anticipated will be sufficient to enable the gold produced to be detected.

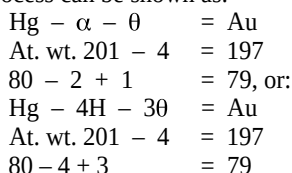
"As regards the first, it may be expected that the repulsion of the external shell of mercury electrons will diminish rather than prevent altogether the chance of the radiant electron reaching the nucleus; for once the shell is penetrated, the resultant force on the radiant electron must be on the average an attraction... The chemical detection of the gold produced would probably be the more formidable experimental difficulty."

In the opinion of A. S. Russell: "The experiments on the transformation of Hg into Au suggest the possibility of the

transformation of a nucleus into that of the element next below it, by the absorption of one electron when both nuclei are stable. This occurs most obviously as an isobar. The possibility of the existence of two isobars of odd mass-number, Tl 205 and Au 199, among non-radioactive elements may be inferred from experimental work... Aston has shown the existence of the Hg isotope 199... This type of transformation may occur in the two pairs of elements Pb and Tl, Hg and Au... The masses of the Tl and Au produced are 205 and 199 respectively."

Aston advanced strong arguments against the probability of the alleged Hg-Au transmutation. Conceivably it could be effected by the addition of an electron to the nucleus of Hg or by removing a proton from it, but the chance of an electron hitting a nucleus is extremely remote, and its weight would not make a significant contribution. Theoretically, an Hg isotope of atomic weight 197 could absorb an electron and produce common Au, but none of the six Hg isotopes (198, 199, 201, 202, 204, 209) identified by Aston has that weight. According to Aston, the removal of a proton from the nucleus by Miethe's method is untenable: "The forces employed are ludicrously inadequate."

The process can be shown as:



In December 1924, the journal *Scientific American* announced that it was arranging for a comprehensive and exact test of the Miethe experiment. The test was conducted at the Department of Physics, New York University, by Professor H. H. Sheldon and Roger Estey. They used a quartz lamp which contained no gold, and pure tungsten wires were sealed into the quartz to provide electrical contacts. The mercury was tested for purity. Three runs were made, lasting from 30–50 hours each, at about 170 volts/13 amperes. The mercury was removed and tested.

"In no instance was any trace of gold detected... According to Prof. Miethe's reports, taken in connection with the theoretical interpretation of Prof. Soddy, this experiment should have produced a substantial quantity of gold; at least ten times as much as could easily have been detected by the analytical methods used. The negative result of the three experiments established, therefore, a strong probability that the transmutation announced by Prof. Miethe could not be confirmed."

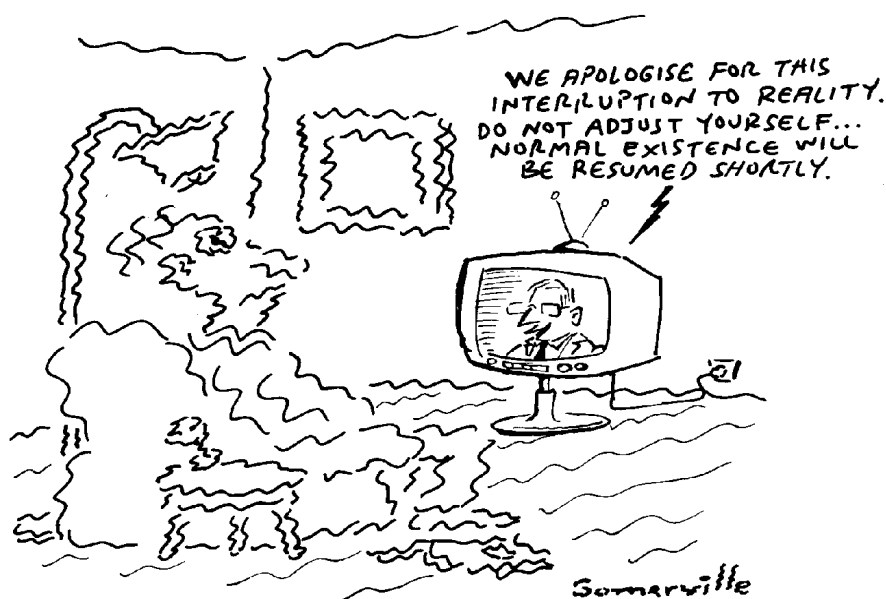
The researchers procured from the manufacturers in Germany a replica of the lamp used by Miethe, and repeated the exact technique described by him. The final run lasted 172 hours, at 165–174 volts/12 amps, depending upon the temperature of the lamp:

"After the run, the most careful analytical tests failed to show any trace whatsoever of the precious metal.

"It is necessary to conclude, therefore, that the experiment described by Prof. Miethe does not always result in the transmutation of mercury atoms into gold atoms. The experiments recorded by Prof. Miethe and our own experiments, conducted as far as humanly possible in exactly the method described by Prof. Miethe, are entirely discordant with each other.

"It would be improper to assert, on the basis of these results alone, that Prof. Miethe's experiments have been proved to be definitely wrong. All that is proper to say is that a careful, competent and long, continued effort to confirm the German results has resulted in an entire failure to do so."

The *Scientific American* article politely suggested: "...one very vital possibility of mistake in experiments of this character lies in the accidental presence of a small impurity of gold in the mercury



employed... It is at least possible that such was the case... Perhaps it will be discovered that some minor and unnoticed detail in the arrangements or in the conduct of the experiment was really responsible for a successful transmutation in Prof. Miethe's case... We must confess, however, that we do not believe that this will prove to be the case. On the basis of all the evidence now available, including the experiments of Dr Sheldon and Mr Estey...it is our belief that a transmutation of mercury atoms into gold atoms does not occur and will not occur under the conditions which have been described by Prof. Miethe.

"It is to be freely admitted, of course, that a transmutation of mercury atoms into gold atoms is a theoretical possibility. The internal structures of the two atoms are similar. The removal of one unit of positive electric charge from the nucleus of a mercury atom, or the insertion of one additional electron into this atomic nucleus would result, it is believed, in the conversion of the mercury atom into an atom indistinguishable from the ordinary atoms of gold. Quite aside from the failure to confirm the results of Prof. Miethe, it remains entirely possible that one of these changes of atomic structure can be accomplished by some physical or chemical method yet to be discovered."

The scientists concluded with sardonic solemnity: "Gold can be extracted from mercury, but mercury cannot be transmuted into gold."

Sheldon and Estey reported elsewhere (*Phys. Review*): "The suggested explanation of a change of the number of electrons in the nucleus changing mercury to gold seems good in theory, but incredible in fact, for the potential drop per mean free path of an Hg molecule is only about 0.1 volt in these arcs."

Scientific American published another report, "More Mercuric Gold from Germany", in April 1926, announcing that a 10,000-fold increase in yield had been obtained in the production of mercuric gold. In his first experiments, Miethe found one part Au per 100 million parts Hg. The Siemens Works in Berlin bombarded Hg with electrons in extremely high vacuum, and obtained 100 mg Au from 1 kg of Hg. In June 1925, Siemens & Halske Akt.-Ges. registered its German Patent Specification (No. 243,670) for

"Treating Hg" with spark discharges, cathode rays and canal rays. The difference of potential could be between 100–150,000 volts; capacitance was adjustable. Paraffin, ether or carbon tetrachloride were used as dielectrics.²⁹

Other researchers were not so optimistic. Erich Tiede et al. reported: "The transmutation of Hg into Au is considered theoretically possible, but all experiments carried out under strict control of the original Hg proved to be failures. When the Hg, which was purified according to Miethe and Stammreich, was distilled in an all-glass apparatus similar to the one used by Bronsted and von Hevesey to separate

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the isotopes of Hg, it still showed up to 10⁻⁹% Au. Optical detection is not sufficiently accurate, so they considered it necessary to melt the Au granule, which still held Hg, and weigh it on a microbalance.

Milan Garrett (Clarendon Lab, Oxford) published completely negative results of his repeated attempts to reproduce the Hg-Au transmutation experiment by several methods. Garrett also attempted to prepare indium from tin and scandium from titanium by X-ray bombardment, also without success.

Erich Tiede et al. reported: "Hg distilled according to Miethe still had 0.3 mg Au per kg Hg. After two high-vacuum distillations, no more Au could be detected. With this preparation, the experiments of Miethe were repeated in several forms; no resultant Au formation was observed in any case." E. Duhme and A. Lotz confirmed this finding.

Duhme and Lotz also conducted numerous experiments with the initial cooperation of Miethe and Stammreich. They used very large arcs: 1.6 metres long, carrying 10 kW at 40 kV/800 amps per sq. cm through Hg vapour. Gold was found in some instances, such as when a sufficiently powerful current was passed between electrodes dipped in mercury, but those experiments were rejected because there had been too much contact with foreign metals. They found that Au will escape detection if certain impurities are present, producing an inhomogeneous distribution of Au which becomes detectable only after the arc treatment has coagulated it.

Prof. Fritz Haber et al. made careful attempts to repeat the work of Nagaoka and Miethe. Mercury in which no Au could be detected was subjected to six different treatments, but no Au was formed. In some cases Au was found, but only in amounts smaller than what could have come from the materials or from contamination. Nor could the yield be increased at will. The applied treatments were made with liquid and solid dielectrics with high-tension discharges, arcs in low, normal and high pressures, and high-vacuum electron bombardments.

The extraordinary sensitivity of their detection methods was exemplified by the instance of a co-worker who suddenly found traces of gold in some material he was analysing. No one else could detect Au in the other samples. It was found that the chemist habitually removed his gold-framed eyeglasses before making an observation. On this occasion, he had removed the glasses and then picked up a strip of ultra-pure lead to perform an analysis.

Another incident occurred when a lab worker was melting some Au. Soon afterwards, another worker in the next room found Au in material which previously had none in it.

The authors described their results as "proving merely that no method has yet

been published whereby analytically detectable amounts of Au can be formed in Hg".

Scientific American (April 1926) otherwise reported that at a "recent meeting" of the German Chemical Society, "Prof. Haber, who previously cherished the greatest doubt as to the accuracy of the experiments, congratulated Prof. Miethe and related...that he himself could confirm the results by repetition of the experiment". Haber apparently made the comment *before* he had completed his analyses of the electrodes, etc., and determined them to be the source of the Au.

Most of the criticism of Miethe's, Stammreich's and Nagaoka's experimental work focused on the questionable purity of the mercury they used. Their Hg had been purified by distillation and by dissolving it in nitric acid (1:4) and fusing the residue with borax (0.1 g). The resulting bead of Au, if any, was examined under the microscope. Usually they distilled the Hg twice, but in some cases as many as 15 times. Other researchers showed that no matter how carefully or often Hg was distilled, Au could be detected.

Miethe and Stammreich showed that the formation of Au from Hg depends on the application of intermittent electrical discharges. No gold forms when Hg is exposed to direct current. They also described an Hg turbine which allowed 2,000 breaks/minute with a potential of 110 volts; the current varied from 1 to 12 amps.

The experiments showed a linear proportionality between the yield of Au and the product of wattage and time. The average yield of gold was 0.0004 mg/amp hour. The production of Au was facilitated by high pressure. When the discharge was passed between Hg poles in a paraffin dielectric, the gold was found dispersed

The entire issue was never definitively resolved. Therefore, these experiments ought to be repeated with modern equipment and analytical techniques.

along the line of discharge, but not in the Hg poles.¹⁵

A. Gaschler attempted to reverse the Miethe-Nagaoka experiment by treating

gold with high-speed hydrogen nuclei. He assumed that one of them might penetrate deeply into the electron shells of Au and be held by the innermost shells as a "paranucleus", forming a *Tiefenverbindung*. After 30 hours of bombardment, the spectrum of the tube began to show Hg lines which steadily increased in intensity. Gaschler postulated that Hg is a gold-hydrogen compound, similar to Manley's Hg halide.

The scientific community gave a fair and thorough review of the claims of Miethe, Stammreich and Nagaoka (who also skilfully managed the criticism). However, the entire issue was never definitively resolved. Therefore, these experiments ought to be repeated with modern equipment and analytical techniques. ∞

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NEWS OF THE SWIRLED!

UK Crop Circles of 1999

***This season's
round-up of crop
circles continues to
amaze, with
unusual geometric
shapes and
variations on
familiar themes.***

**Introduction
by Andy Thomas © 1999**

Southern Circular Research
13 Downsview Cottages
Cooksbridge, East Sussex BN8 4TA
United Kingdom
Tel: +44 (0)1273 474711
E-mail: 101476.1452@compuserve.com

Each crop circle season in England, enthusiasts wonder how the phenomenon can possibly better what has gone before, yet 1999, like every year, sprang astonishing new surprises in addition to developments on familiar themes. The quality of the designs displayed a dynamism bordering on audacity.

The pictogram which arrived on 3 April at Over Wallop, Hampshire, marked a record early appearance and was soon followed by a scattering of other designs over several counties. One emerging theme was a number of "eclipse" motifs, perhaps foreshadowing the forthcoming August event, most notably at nearby Middle Wallop on 3 May, each phase of a total solar eclipse depicted in a linear sequence.

Of May's Wiltshire formations, a strange biological-looking symbol at Avebury Trusloe intrigued many, while religious symbolism impacted with the arrival of a clear Jewish Menorah, the sacred candelabrum, at Barbury Castle on 31 May. There has been much speculation as to its context as a crop formation.

In June, circle "Mecca" Alton Barnes was hit with the longest pattern of the year: a chain of older pictogram shapes from the early 1990s, spanning over 1,000 feet! A "serpent" design lay nearby. The field had been watched by "croppies" until 2.30 am, yet the formation was found at first light—not much time for the alleged hoaxers (whom the media continually promote) in which to work.

The most prominent of the now traditional summer debunkings was initiated by the *Daily Mail* newspaper, claiming a triangular emblem of 33 standing circles at Avebury as a hoax it commissioned. The lack of evidence and contradictory prose left many unconvinced, but even if the design was man-made it explained only one out of thousands which have appeared in far more mysterious circumstances. More positive media interest followed the announcement that Laurance Rockefeller is funding a number of crop circle research projects.

Oblivious to this, the formations continued to amaze with a series of breathtaking glyphs, playing not just with circles but also hexagons, squares and representations of 3D-cubes, amongst other geometrical lessons. A record was broken on 16 July at Windmill Hill, Wiltshire, when a square containing 288 small circles appeared—the most ever found in one pattern. On 6 August, an amazing star of standing rings at Roundway, Wiltshire, was distinguished by a unique woven chequerboard lay—the first of its kind. It existed for just a few hours before being harvested.

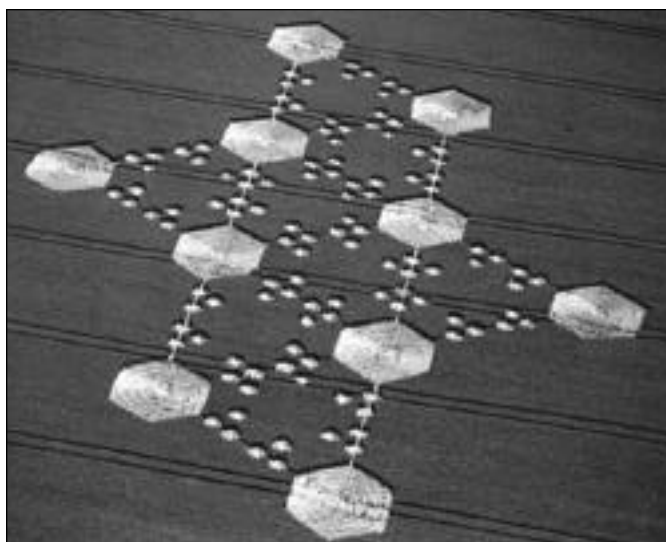
Around 130 English crop formations were reported during the summer. Curiously, from the total solar eclipse which touched the British Isles on 11 August, things quietened down, leaving some awaiting a grand finale to close the season at the time of writing. Even without one, those drawn to this most beautiful of mysteries, the source of which remains elusive, could hardly complain after such a season.

— Andy Thomas, 24 August 1999

Editor's Note: Andy Thomas is editor of the bimonthly crop circle journal, *SC*, a founding member of the Southern Circular Research team, and the author of three books exploring aspects of the circles: *Fields of Mystery*, *Quest for Contact* (with Paul Burra), and *Vital Signs*—which has been described by many as the definitive guide to the phenomenon. Andy regularly writes and lectures, and has made numerous TV and radio appearances.



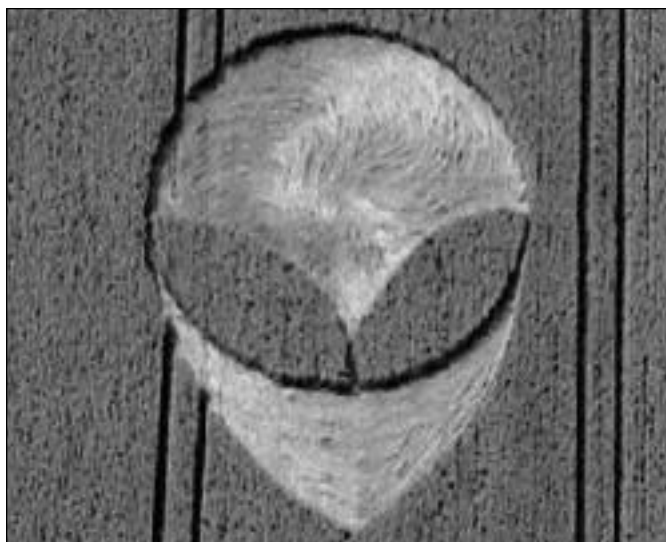
Allington, near Devizes, Wiltshire. Reported 24th June.
Image by Steve Alexander © 1999.



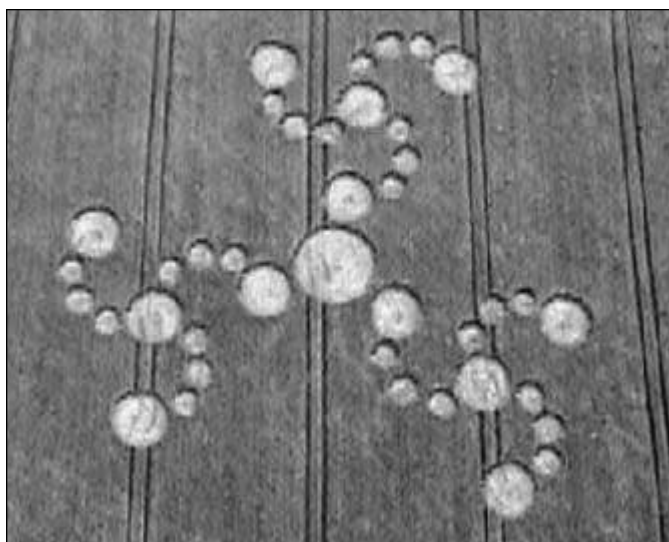
West Overton, near Avebury, Wiltshire. Reported 24th June.
Image by Steve Alexander © 1999.



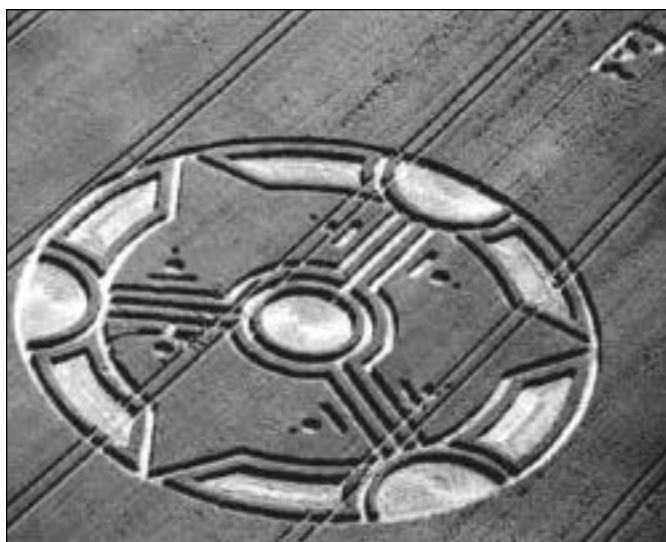
Allington Down, near Devizes, Wiltshire. Reported 26th June.
Video by M. J. Fussell © 1999. Circle in centre is 32 feet across.



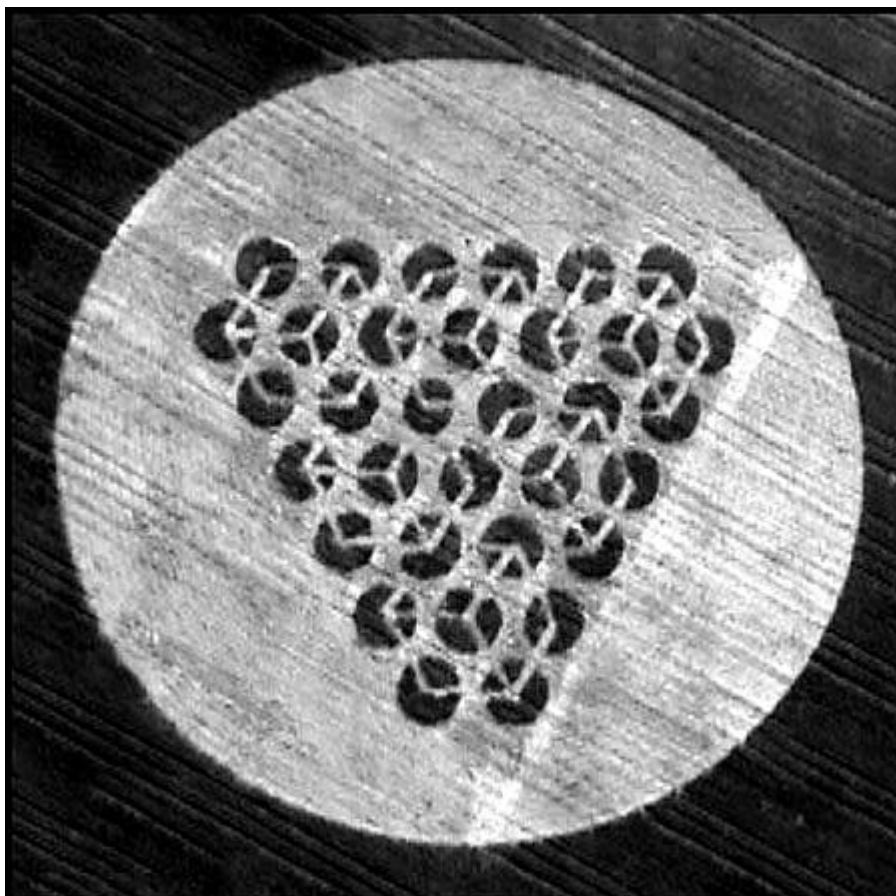
Bishop Cannings, near Devizes, Wiltshire. Reported 22nd August.
Image by Peter Sorensen © 1999. About 50 feet in width.



East Kennett, near Avebury, Wiltshire. Reported 21st July.
Video by Peter Sorensen © 1999. Circle in centre is 32 feet across.



Liddington Castle, near Swindon, Wiltshire. Reported 21st July.
Image by Steve Alexander © 1999. Approx. 200 feet in diameter.



Avebury Avenue, near Avebury, Wiltshire. Reported 29th July. Image by Steve Alexander © 1999. Report by Stuart Dike from the Crop Circle Connector website at <http://cropcircleconnector.com/1999/>.

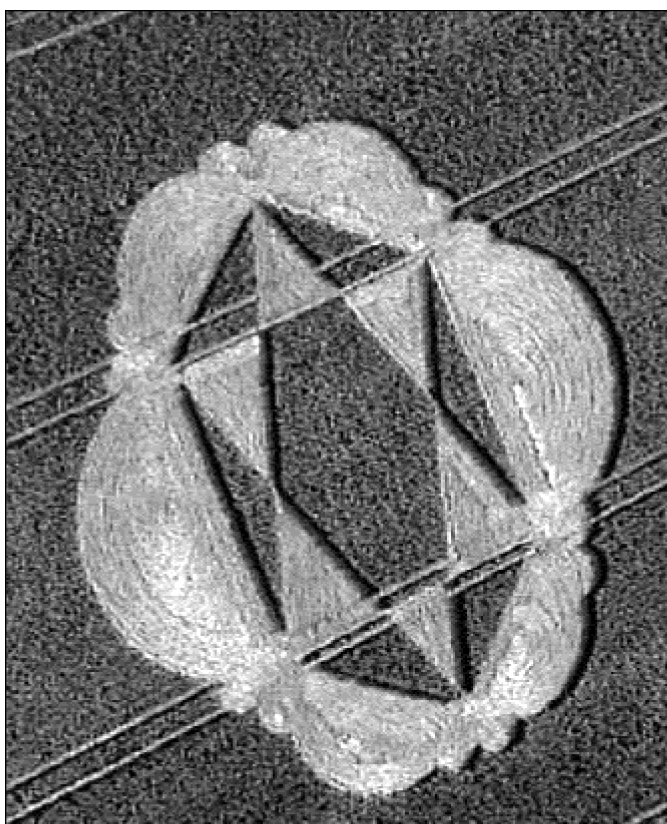
"THE NIGHT THE *DAILY MAIL* DIDN'T UNDERSTAND"...?

On 29 July, a huge design appeared opposite the standing-stone circle of Avebury, and shrouded the crop circle phenomenon in controversy once again.

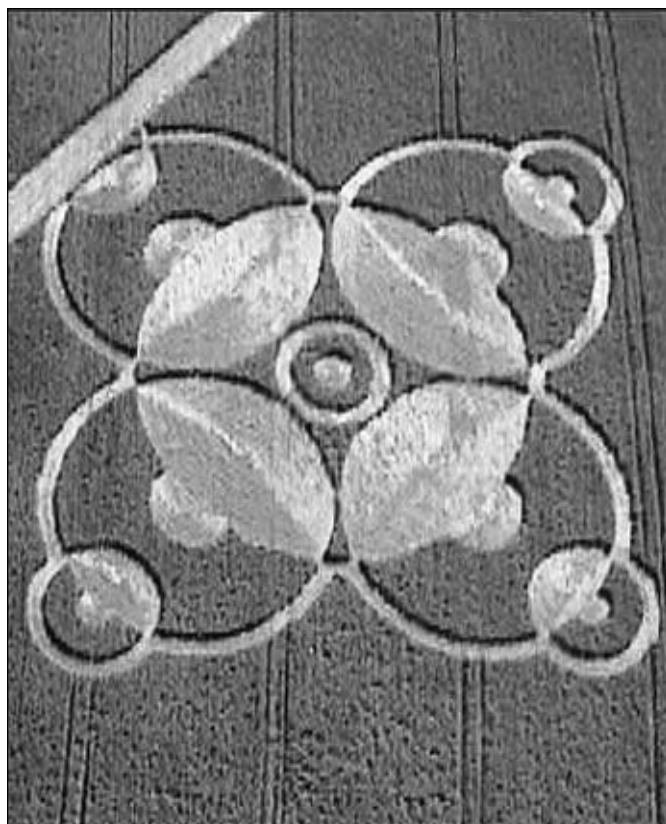
This latest design was reportedly part of a huge experiment at the hands of the national newspaper, the *Daily Mail*.

The newspaper's aim was to prove that a team of well-organised artists could go out in the dead of night and create a large, convincing formation—which, according to their article, would prove that people could be fooled into believing crop circles to be genuine.

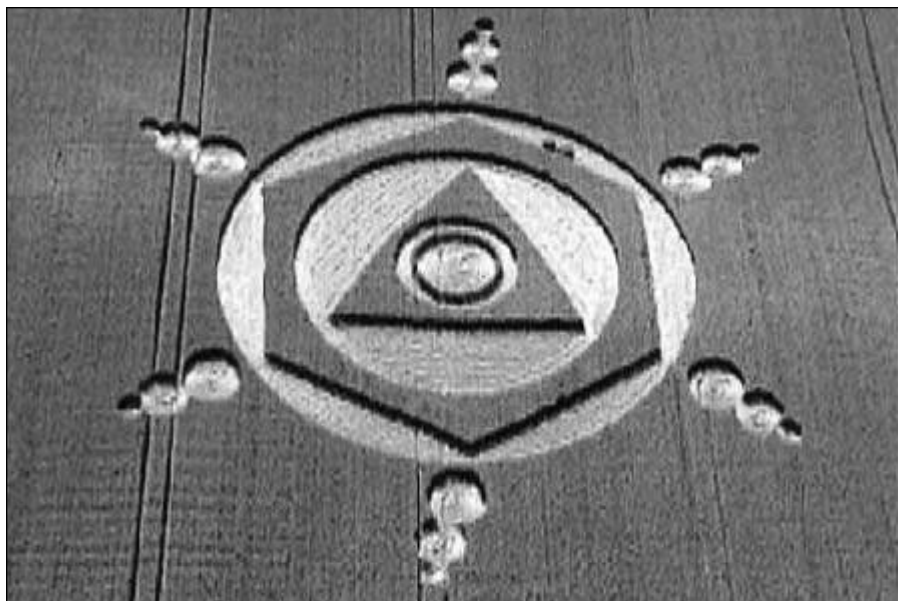
The article within the *Daily Mail* was titled, "The night the UFOs didn't land", but perhaps it should have have read, "The night the *Daily Mail* didn't understand"!



Upavon, near Pewsey, Wiltshire. Reported 22nd August. Video by Peter Sorensen © 1999.

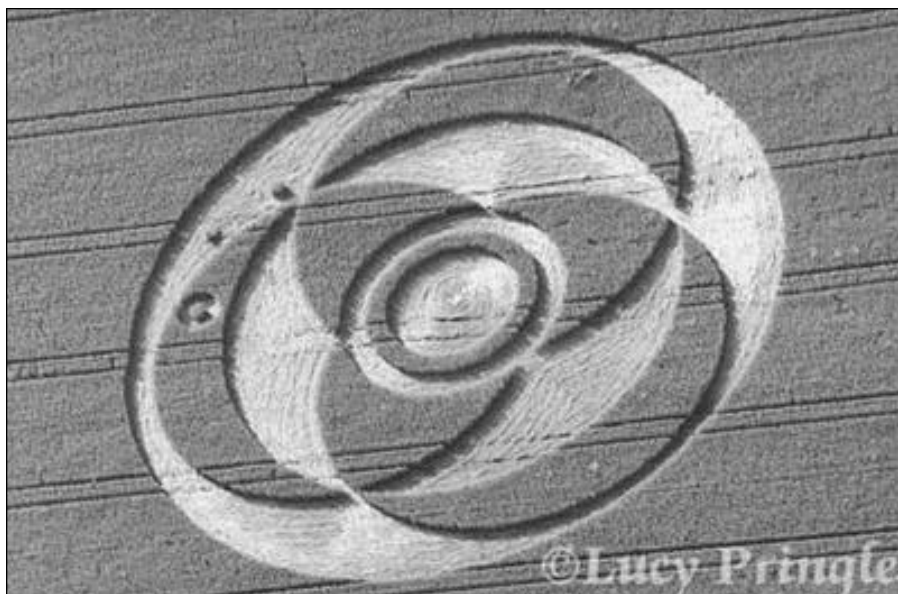


Gipsy Lane, near Cheesefoot Head, Hampshire. Reported 1st August. Video by Peter Sorensen © 1999.

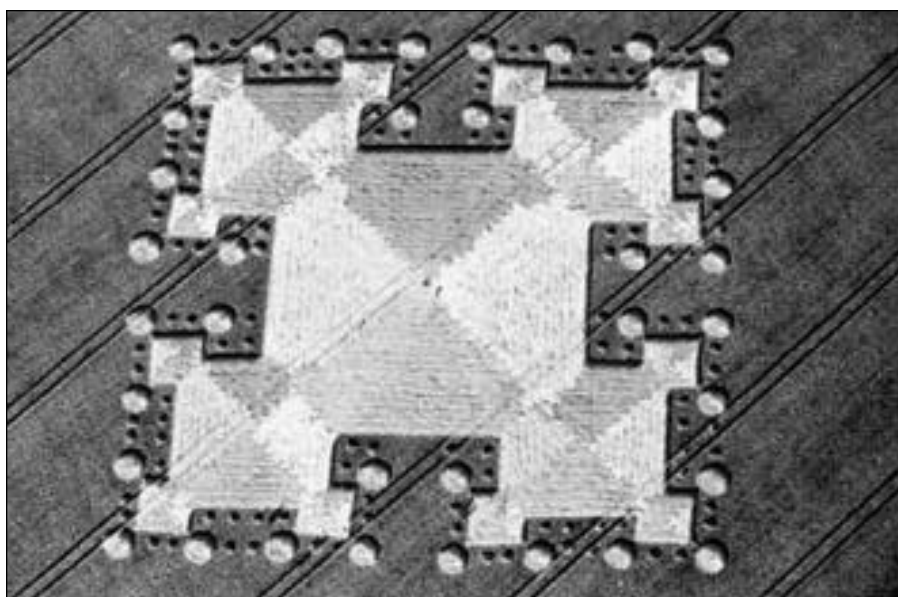


LEFT: Henwood, near East Meon, Hampshire. Reported 3rd August. Video shot by Peter Sorensen © 1999. Discovered from the air by Nippon TV and Peter Sorensen.

LEFT MIDDLE: Meonstoke, near Horndean, Hampshire. Reported 23rd July. Image by Lucy Pringle © 1999.



ABOVE: Barbury Castle, near Chiseldon, Wiltshire. Reported 5th August. Image by Steve Alexander © 1999.



LEFT: West Kennett Longbarrow, near Avebury, Wiltshire. Reported 4th August. Image by Steve Alexander © 1999. Formation discovered by Ulrich Kox. FIELD REPORT by Stuart Dike:

This formation was located in quite a remote part of the Avebury landscape, positioned about a couple of hundred yards out the back of West Kennett Long Barrow. It is another fine addition to the Koch designs witnessed over the last three years. Indeed, the square geometry has been a main feature of the formations of 1999.

Five main squares are involved in the construction of this design, with the hidden squares creating the outer edge of the pattern. The circles placed on the perimeter are well formed, but visiting a formation at this stage in the season seems to create a messy floor construction—the plants not quite as supple as they would be earlier on in the season.

RIGHT, TOP: Beckhampton, near Avebury, Wiltshire. Reported 28th July.

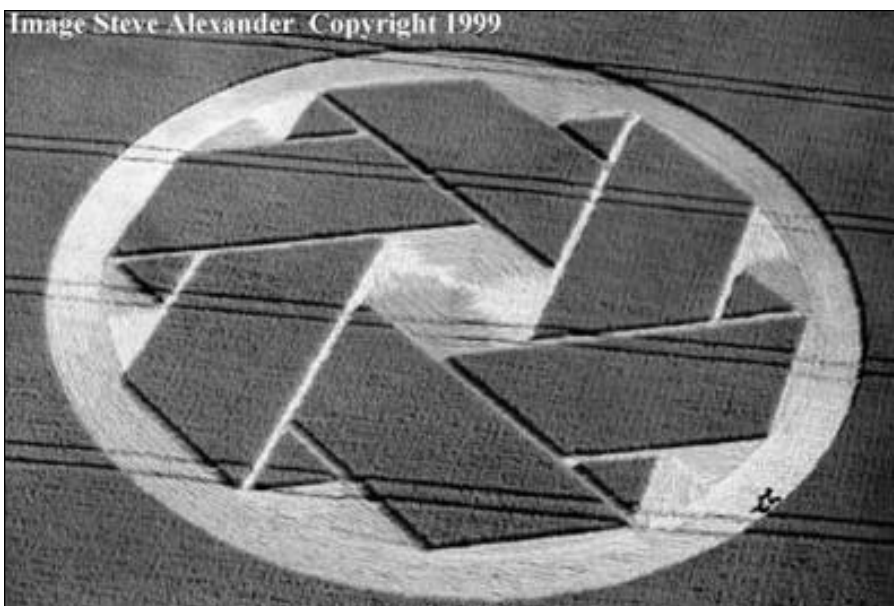
Image by Steve Alexander © 1999.

FIELD REPORT by Stuart Dike:

This marvellous formation is located on the flat field between Silbury Hill and Knoll Down. As we entered the formation, we noticed that the floor construction was extremely neat, with the classic quarter-sectioning of crop inside each of the triangular inserts on the outer edge of the inner design. It took us a while to work out the exact shape of the design, which is a classic Celtic Knot, a recognised Celtic symbol.

The execution and accuracy of the formation is quite breathtaking. The outer ring surrounding the knot has a width of around 19.8 feet (6 metres), and the design is approx. 240–250 ft (73–76 m) in diameter, with the central section of crop displaying an anticlockwise rotation. The outer perimeter ring has a clockwise rotation.

Image Steve Alexander. Copyright 1999



RIGHT, MIDDLE: Barbury Castle, near Chiseldon, Wiltshire. Reported 23rd July.

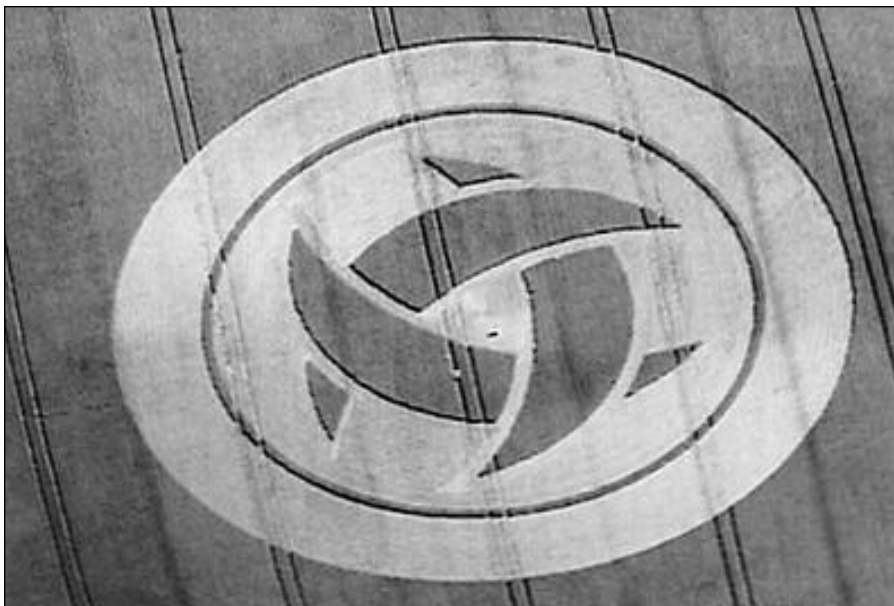
Image by Steve Alexander © 1999.

FIELD REPORT by Stuart Dike:

This wonderful formation, situated on the western side of Barbury Castle, is positioned in one of the most picturesque places I have had the pleasure to visit. It was quite breathtaking to view the formation from the top of Barbury Castle, a Neolithic hill fort and one of the best rampart forts you will visit in Wiltshire.

The formation itself spanned across six tramlines, which makes its diameter to be around 300 feet (91 metres). The design is made of a huge circle, with an inner ring of only about two feet in thickness, with a wonderful pattern of three interlocking crescents placed in the centre.

Overall, the floor construction is one of the best examples seen in the Avebury area. A truly outstanding formation!



RIGHT, BELOW: Wimpole Hall, near Great Eversdon, Cambridgeshire. Reported 23rd July.

Image by Russell Stannard © 1999.

For more information and pictures,
please contact the following:

- Steve Alexander

27 St Francis Road

Gosport, Hants PO12 2UG, UK

Tel/Fax: +44 (0)1705 352867

E-mail via: cropcircleconnector.com

- Lucy Pringle

5 Town Lane, Sheet,

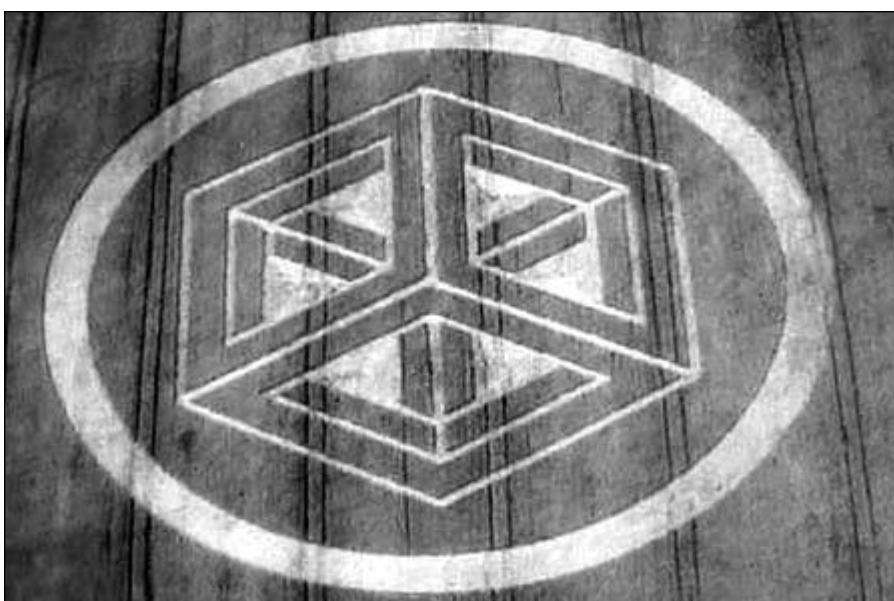
Petersfield, Hants GU32 2AF, UK

Tel/Fax: +44 (0)1730 263454

E-mail: LucyPringle@compuserve.com

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Cherhill, near Calne, Wiltshire. Reported 17th July.

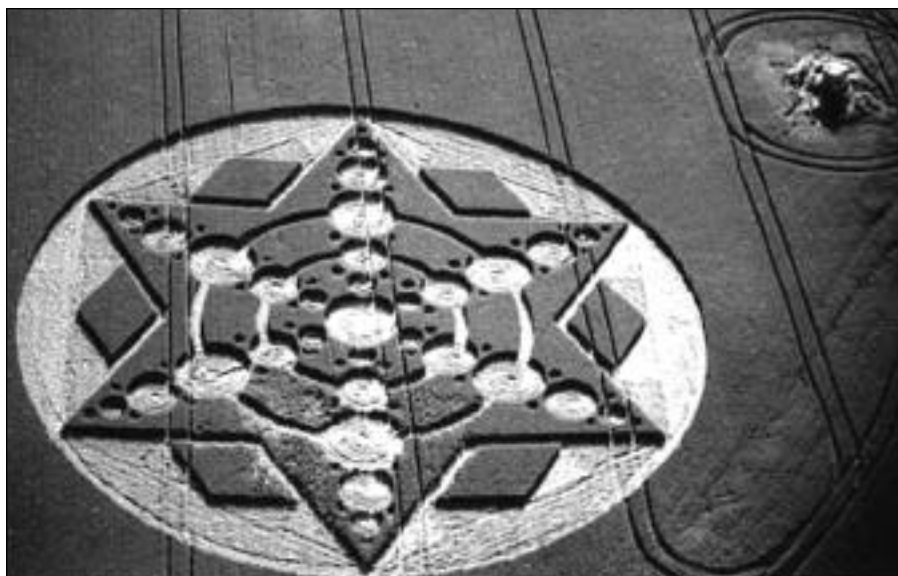
Image by Steve Alexander © 1999.

FIELD REPORT by Stuart Dike:

Located directly below the famous White Horse of Oldbury Camp, or more commonly named Cherhill Hill Fort, its appearance came within a flurry of reports that hit the area between 15th and 17th July.

The floor constructions on this year's formations have been extremely impressive, and Cherhill is no exception. The pattern around the triangular sections on the outside of the vortex flowed in two directions between each interlocking triangle.

This is a feature seen on many designs over the years, but the Cherhill formation incorporates a separate pattern positioned just off the main design. This is not the first time this shape has appeared; it was first seen on the Silverstone formation in Derbyshire back in 1998.



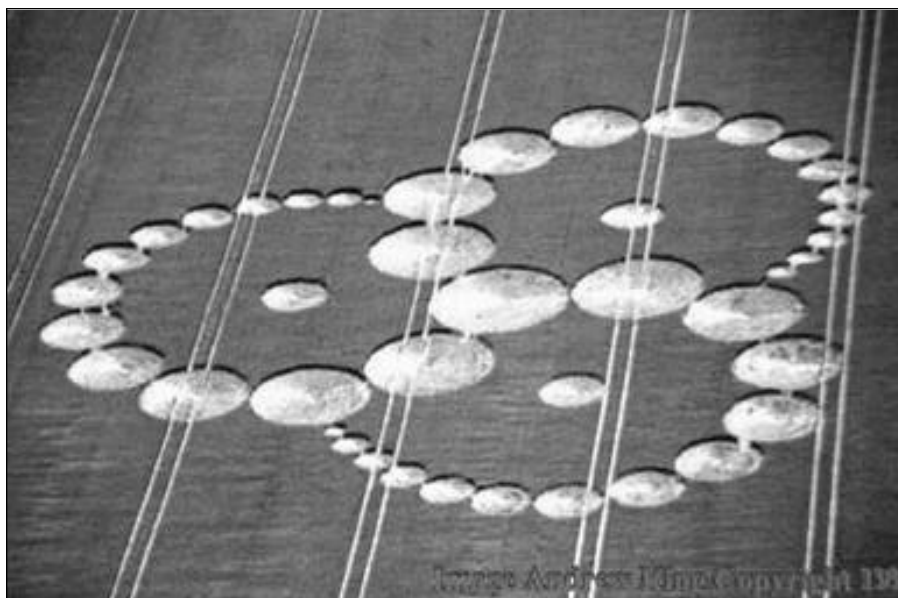
Devil's Den, near Clatford, Wiltshire. Reported 20th July.

Image by Steve Alexander ©1999.

FIELD REPORT by Stuart Dike:

This formation is situated approx. 100 feet (30 metres) from an ancient dolman (top right), a wonderful set of three stones with a top lintel. On entering the crop formation, we noticed the floor construction was simply beautiful. There were some wonderful, small, 2-3 ft channels running around the outer perimeter crop. On inspecting the many circles inside the formation, I noticed that all of them were running in a clockwise rotation; but on closer inspection it seemed that the smaller outer circles running down each diminishing arm were not quite circular in form.

The very night this design formed, a power failure was experienced by local residences between 11 pm and 1 am.



Trottiscliffe, near Maidstone, Kent. Reported 20th June.

Image by Andrew King © 1999.

FIELD REPORT by Andrew King and Joyce Galley (CCCS):

This formation consists of 43 circles, all clockwise, in three arcs of 12 with diminishing diameters, centred on three sets of circles, each with one central circle. Some of the circles' centres were offset from geometric centre and, clearly, the centres had all been much more heavily impressed than the outer parts. Some standing centres were noted, but since the formation was some 10 days old before we visited it, and had had a number of visitors, it was difficult to comment on how the original lay had been in the centres of most of the circles.

Another Kent formation had three large circles/ovals with arcs overlapping at a central point where they all thicken. Diameters approx. 250 and 600 feet respectively.



NEW FRENCH REPORT ON UFOs AND DEFENCE

On 16 July 1999, a document was published in France, titled "UFOs and Defence: What must we be prepared for?" ("Les OVNI et la Défense: A quoi doit-on se préparer?"). This 90-page report is the result of an in-depth study of UFOs, covering many aspects of the subject, especially questions of defence.

The study was carried out over several years by an independent group of former "auditors" at the Institute of Higher Studies for National Defence (Institut des Hautes Etudes de Défense Nationale, or IHEDN), and qualified experts from various fields. Before its public release, it was sent to the President of the French Republic, Jacques Chirac, and to Prime Minister Lionel Jospin.

The report is prefaced by General Bernard Norlain of the French Air Force, former Director of IHEDN, and begins with a preamble by André Lebeau, former President of the National Centre for Space Studies (Centre National d'Etudes Spatiales, or CNES), the French equivalent of NASA. The collective author of the report is COMETA (the Committee for In-depth Studies), and the group is presided over by General Denis Letty of the Air Force, a former auditor (FA) of IHEDN.

A list of COMETA members is given at the beginning of the report. It includes:

General Bruno Lemoine of the Air Force (FA of IHEDN); Admiral Marc Merlo (FA of IHEDN); Michel Algrin, doctor of political sciences and attorney at law (FA of IHEDN); General Pierre Bescond, engineer for armaments (FA of IHEDN); Denis Blancher, chief national police superintendent at the Ministry of the Interior; Christian Marchal, chief engineer of the national Corps des Mines and research director at the National Office of Aeronautical Research (ONERA); and General Alain Orszag, PhD (physics), armaments engineer.

The committee also expresses its gratitude to outside contributors, including: Jean-Jacques Velasco, head of SEPR (Service d'Expertise des Phénomènes de Rentrée Atmosphérique) at CNES; François Louange, president of Fleximage, photo analysis specialist; and Air Force General Joseph Domange, general delegate of the Association of Auditors (AA) at IHEDN.

General Norlain tells in a short preface how this committee was created. General Letty came to see him in March 1995, when Norlain was Director of IHEDN, to discuss his project of a committee on UFOs. Norlain assured him of his interest and directed him to the AA of the IHEDN, which in turn gave its support. It is interesting to recall here that, 20 years ago, it was a report of that same Association

which led to the creation of GEPAN (Groupe d'Etude des Phénomènes Aérospatiaux Non-identifiés)—the first unit for UFO study at CNES. As a result, several members of the committee come from the AA of the IHEDN, joined by other experts. Most of them hold, or have held, important functions in defence, industry, teaching, research or various central administrations.

General Norlain expresses hope that this report will help develop new efforts nationally and an indispensable international cooperation. General Letty, as president of COMETA, points to the main theme of the report, which is that the accumulation of well-documented observations compels us now to consider all hypotheses (especially extraterrestrial) as to the origin of UFOs.

The committee then presents the contents of the study. In the first part, the authors discuss some remarkable UFO cases, both French and foreign. In the second part, they describe the present organisation of research in France and abroad, as well as studies done by scientists worldwide which may bring partial explanations in accordance with known laws of physics. The main global explanations are then reviewed, from secret aircraft to extraterrestrial manifestations. The third part examines measures to be taken regarding defence, from information to pilots, both civilian and military, to strategic, political

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and religious consequences, should the extraterrestrial hypothesis be confirmed.

Part I: Facts and Testimonies

Many of the cases selected are well known by most researchers, and need only be mentioned briefly here. They are:

- Testimonies of French pilots: M. Giraud, pilot of *Mirage IV* (1977); Colonel Bosc, fighter pilot (1976); Air France flight AF 3532 (Jan 1994).

- Aeronautical cases worldwide: Lakenheath, UK (1956); RB-47, USA (1957); Teheran, Iran (1976); San Carlos de Bariloche, Argentina (1995).

- Observations from the ground: Antananarivo, Madagascar (1954); observation of a saucer near the ground by a French pilot, J.-P. Fartek (1979); close-range observation over a missile site at Kapustin Jar, Russia (1989).

- Close encounters in France: Valensole, encounter of Maurice Masse (1965); Cussac, Cantal (1967); Trans-en-Provence (1981); Nancy, the so-called case of the Amaranth (1982).

There are also counter-examples of elucidated phenomena (two cases).

Although the selection is limited, it seems sufficient to convince an uninformed but open-minded reader of the reality of UFOs.

Part II: Present State of Knowledge

The second part, entitled "The present state of knowledge" ("Le point des connaissances"), surveys the organisation of official UFO research in France, from the first instructions given to the *Gendarmerie* in

1974 for the redaction of reports, to the creation of GEPAN in 1977, its organisation and its results: collection of more than 3,000 reports from the *Gendarmerie*, case studies and statistical analyses. It then surveys agreements passed by GEPAN and, later, SEPRA, with the air force and army, civilian aviation and other organs, such as civilian and military laboratories for the analysis of samples and photographs.

Regarding the methods and results, we are reminded of some famous cases (Trans-en-Provence, l'Amarante), and emphasis is directed to the catalogues of cases, notably of pilots (Weinstein catalogue) and "radar/visual", worldwide.

An historical note appears here with a quotation from General Twining's famous letter of September 1947, asserting the reality of UFOs. [The reference is to a then-secret memorandum sent by US General Nathan Twining to General George Schulgen. Twining states: "The phenomenon reported is something real and not visionary or fictitious... There are objects probably approximating the shape of a disk, of such appreciable size as to appear to be as large as man-made aircraft..." Twining notes the impressive aerial performance of these objects, their apparent metallic structure and other characteristics often associated with UFOs. — CNI Ed.]

The following chapter, "UFOs: hypotheses, attempts at modelling" ("OVNI: hypothèses, essais de modélisation"), discusses some models and hypotheses which are under study in several countries. Partial simulations have already been made for UFO propulsion, based on observations

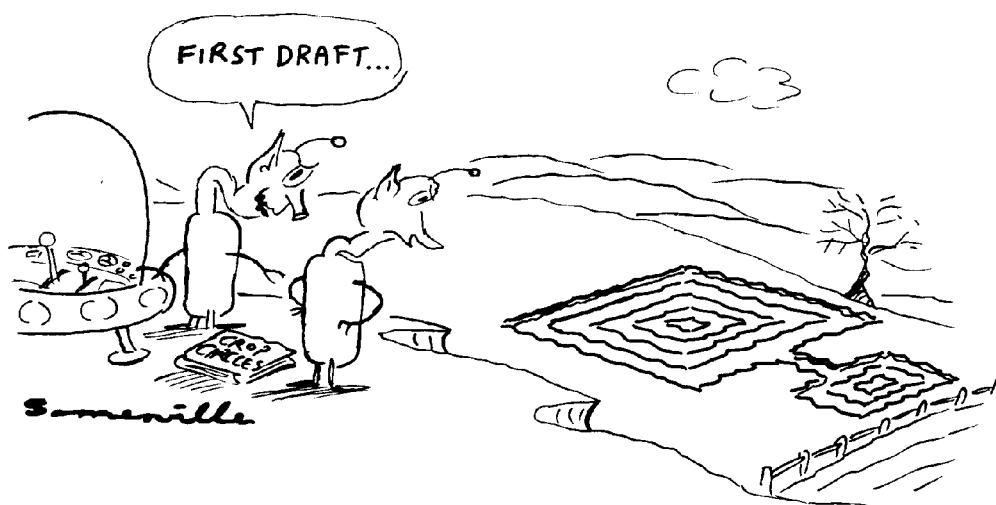
of aspects such as speed, movement and acceleration, engine failure of nearby vehicles, paralysis of witnesses, etc. One model is MHD (magneto-hydrodynamic) propulsion, already tested successfully in water, and which might be achieved in the atmosphere with superconducting circuits in a few decades. Other studies are briefly mentioned regarding both atmospheric and space propulsion (such as particle beams), antigravity and reliance on planetary and stellar impulsion.

The chapter also suggests that the failure of land-vehicle engines may be explained by microwave radiations. In fact, high-power hyperfrequency generators are under study in France and other countries, according to the report. One application is microwave weapons. Particle beams—for instance, proton beams which ionise the air and therefore become visible—might explain the observation of luminous beams. Microwaves might explain body paralysis.

In the same chapter, "global hypotheses" are considered next. The authors regard hoaxes as rare and easily detected. Some non-scientific hypotheses are put aside, such as conspiracies and manipulations by powerful secret groups, parapsychic phenomena and collective hallucinations. The hypothesis of secret [human] weapons is also regarded as very improbable. We are then left with various extraterrestrial hypotheses. One version has been developed in France by astronomers Jean-Claude Ribes and Guy Monnet, based on the "space islands" concept of American physicist O'Neill, and it is compatible with present-day physics.

The organisation of UFO research in the United States, Great Britain and Russia is surveyed rapidly. In the United States, the media and the polls show a marked interest and concern on the part of the public, but the official position, especially of the Air Force, is still one of denial—more precisely, that there is no threat to national security. Actually, declassified documents, released under FOIA, show another story: one of surveillance of nuclear installations by UFOs and the continued study of UFOs by the military and intelligence agencies.

The report stresses the importance in the United States



of private, independent associations. It mentions the "UFO Briefing Document", sent in 1995 to a thousand personalities worldwide, and the Sturrock workshop in 1997—both sponsored by Laurance Rockefeller. The "Briefing Document" has obviously been welcomed by the authors of the COMETA report.

The committee also notes the public emergence of alleged insiders such as [the late] Colonel Philip Corso, and considers that his testimony may be partly significant as to the real situation in the US, in spite of many critics.

The report briefly describes the situation in Great Britain, with a special mention of Nick Pope [ex-Ministry of Defence, author of two books on UFOs], and poses the question of the possible existence of secret studies pursued jointly with American services. It also mentions research in Russia and the release of some information, notably by the KGB in 1991.

PART III: UFOs and Defence

The third part, "UFOs and defence" ("Les OVNI et la défense"), states that, if it is true that no hostile UFO action has been proved yet, at least some actions of "intimidation" have been recorded in France (case of the *Mirage IV*, for instance). Since the extraterrestrial origin of UFOs cannot be ruled out, it is therefore necessary to study the consequences of that hypothesis, not only at the strategic level but also at political, religious and media/public information levels.

The first chapter of Part III is devoted to prospective strategies and it begins with fundamental questions: "What if extraterrestrials [exist]? What intentions and what strategy can we deduce from their behaviour?" Such questions open a more controversial part of the report.

Possible motivations of extraterrestrial visitors are explored here, such as protection of planet Earth against the dangers of nuclear war, suggested, for instance, by UFOs' repeated flying over nuclear missile sites.

The committee then ponders the possible repercussions on the behaviour, official or not, of different nation-states, and focuses on the possibility of secret, privileged contacts which might be "attributed to the United States". The attitude of the US is seen as "most strange" since the 1947 wave and the Roswell event. Since that time, a policy of increasing secrecy seems to have

been applied, which might be explained by the protection at all cost of military technological superiority to be acquired from the study of UFOs.

Next, the report tackles the question: "What measures must we take now?" At the least, whatever the nature of UFOs, they necessitate "critical vigilance", in particular regarding the risk of "destabilising manipulations". A kind of "cosmic vigilance" should be applied by the elites, nationally and internationally, in order to prevent any shocking surprise, erroneous interpretation and hostile manipulation.

Nationally, COMETA urges the strengthening of SEPRA and recommends the creation of a cell at the highest level of government, entrusted with the development of hypotheses, strategy and preparation of cooperation agreements with European and other foreign countries. A further step would be that European states and the European Union undertake diplomatic action towards the United States within the framework of political and strategic alliances.

A key question of the report is: "What situations must we be prepared for?" The report mentions such situations as: extraterrestrial moves for official contact; discovery of a [UFO/alien] base within the territory of Europe; invasion (deemed improbable) and localised or massive attack; and manipulation or deliberate disinformation aiming at destabilising other states.

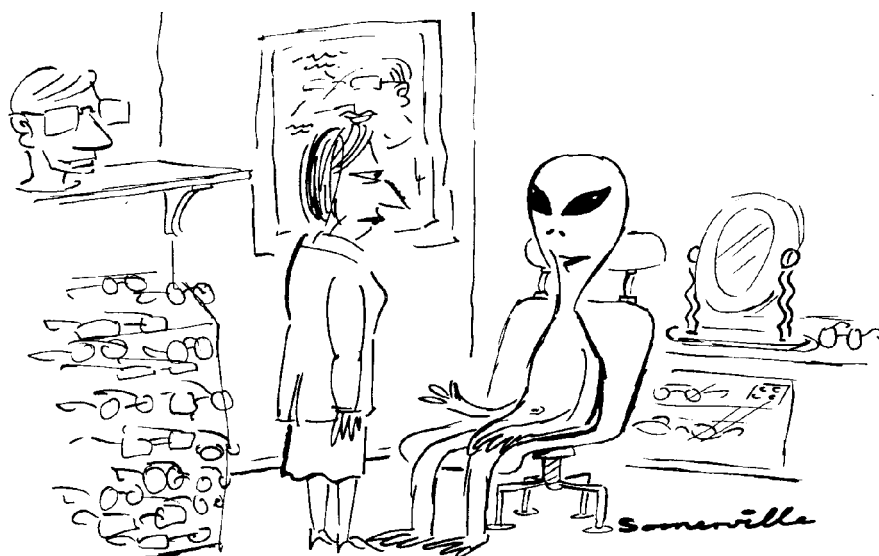
COMETA devotes special attention to "aeronautical implications", with detailed recommendations aimed at various personnel, such as air staff, controllers, meteorologists and engineers. It also makes recommendations at the scientific and technical levels, aimed at developing research with potential benefits for defence and industry.

The report further explores the political and religious implications of UFOs, using as a model the perspective of our own exploration of space: how would we do it, and how would we handle contacts with less advanced civilisations?

Such an approach is not new to well-informed readers of the abundant ufological literature, but it has a special value here, being treated seriously at such a level. The media/publicity implications are not forgotten, with the problems of disinformation, fear of ridicule, and manipulation by certain groups.

In its conclusion, COMETA claims that the physical reality of UFOs, under control of intelligent beings, is "quasi-certain". Only one hypothesis takes into account the available data: the hypothesis of extraterrestrial visitors. This hypothesis is of course unproved, but has far-reaching consequences. The goals of these alleged visitors remain unknown, but must be the subject of speculations and prospective scenarios.

In its final recommendations, the COMETA report stresses again the need to:



"It's these damn obsidian eyes ... you got any designer contacts that'll give me a Drew Barrymore look?"

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1) inform all decision-makers and persons in positions of responsibility;

2) reinforce means of investigation and study at SEPRA;

3) have UFO detection taken into account by agencies engaged in space surveillance;

4) create a strategic cell [for UFO study/analysis] at the highest state level;

5) undertake diplomatic action towards the United States for cooperation on this "capital question";

6) study measures which might be necessary in case of emergencies.

UFO CASES CITED IN REPORT

The authors of the French UFO report selected a small but impressive sample of UFO cases to illustrate the seriousness of the subject. Many of these cases will be familiar to experienced ufologists, but not necessarily to all readers. Here is a brief description of most of the cases highlighted in the COMETA report:

• **Testimony of French pilot M. Giraud, 7 March 1977:** Giraud and his navigator were flying a *Mirage IV* jet at night near Dijon, France, when they saw a bright light rapidly closing in. The light tailed them at a distance of 1,500 metres (4,920 feet), though they made evasive turns. They radioed a military radar site, but the UFO did not show on radar.

• **Testimony of French fighter pilot Colonel Claude Bosc, 3 March 1976:** On a night training flight in a T-33, Bosc saw a bright light approach at high speed on a

collision course. His jet was then enveloped in green phosphorescent light for several seconds. Radar showed nothing, but two other pilots saw the encounter from a distance.

• **Air France Flight 3532, 28 January 1994:** Pilot and copilot of an Airbus 320-111, flying in daylight near Paris at 39,000 feet, reported seeing a very large disc-like craft about 30 miles away and slightly below them. Military radar confirmed the presence of an object about 250 metres (820 feet) in diameter. The object was observed visually and on radar for about 50 seconds, then suddenly disappeared.

• **Lakenheath RAF Base, UK, 13 August 1956:** Extraordinary UFO events occurred over a span of six hours, involving very clear radar tracks of more than a dozen objects, sometimes travelling over 4,000 miles (6,437 km) per hour, sometimes slower than 100 mph (160 kph). Jets were scrambled and encountered UFO traffic, but the pilots could not identify it.

• **RB-47 case, USA, 17 July 1957:** "Arguably the most important UFO case in history," says US researcher Jerome Clark. Flight crew of an RB-47 reconnaissance jet engaged a UFO for nearly two hours over Mississippi, Louisiana and Texas. The UFO was simultaneously tracked visually and by ground and air radar, and a signal from the UFO was tracked as well.

• **Teheran, Iran, 18 September 1976:** Two F-4 jets of the Iranian Air Force separately engaged a brilliant, fast-moving UFO, tracking it visually and on radar. On

approaching the UFO, the jets' onboard weapons and control functions repeatedly failed, forcing retreat. A second UFO object was seen to separate from the main UFO and appeared to land.

• **San Carlos de Bariloche, Argentina, 1 August 1995:** A commercial jet on approach to Bariloche airport reported a UFO flying alongside. During the plane's descent, the airport experienced a total electrical blackout, forcing the pilot to abort the landing and circle around for a second attempt. Meanwhile, the UFO flew upwards and disappeared from view.

• **Antananarivo, Madagascar, 16 August 1954:** A brilliant green fireball was observed crossing the sky, trailing flames. As it approached, multiple witnesses said it resembled a metallic oval object as big as a DC-4 aircraft. As the object passed overhead at low altitude, the city experienced a major electrical blackout.

• **Kapustin Jar, ex-USSR, 28-29 July 1989:** Military personnel reported a clearly visible disc-shaped UFO hovering low over an army missile base and shining a beam of light down on a weapons depot. The sighting lasted over 90 minutes. A similar report occurred later that night at another nearby base.

• **Valensole, Basses-Alpes, France, 1 July 1965:** Farmer Maurice Masse encountered a landed UFO and two small humanoids in his lavender field at about 6 am. On approach, he became paralysed but remained conscious while the beings boarded the craft and flew away. Masse suffered massive fatigue for several weeks, and nothing but stunted weeds grew in the landing area for years afterwards. This case was extensively investigated by French authorities.

• **Trans-en-Provence, France, 8 January 1981:** A disc-shaped metallic UFO was observed by farmer Renato Niccolai to land briefly in his alfalfa field at about 5 pm, then lift off and fly away. Investigation showed that a very heavy object, weighing maybe four to five tonnes, had compressed the soil in the landing area, and plants were obviously affected. ∞ (Source: Report by Gildas Bourdais, <GBourdais@aol.com>, for CNI News, vol. 5, no. 11, 1 August 1999, <CNINews1@aol.com>. Requests for translation and publication rights to the full report should be sent to M. Michel Algrin, 25 boulevard St-Germain, 75005 Paris, France.





REVIEWS

BOOKS

Reviewed by Ruth Parnell

VOICES OF THE ROCKS

by Robert M. Schoch, PhD, with Robert Aquinas McNally

Publisher: Harmony Books, USA, 1999

ISBN: 0-609-60369-8 (258pp hc)

Price: AUD\$49.95; NZD\$49.95; £16.99;

NLG\$60.00; USD\$25.00; CAD\$35.00

Available: **Aust/NZ**—Enquire Random House; **UK/Europe**—Enquire NEXUS offices; **USA/Canada**—Crown Publishing, tel (212) 572 2537

Geologist Robert Schoch, in *Voices of The Rocks* (co-written with author/poet Robert Aquinas McNally), brings an open mind to exploring new paradigms and to rejecting hypotheses when they don't measure up to scientific scrutiny.

Prof. Dr Schoch of Boston University admits to waking up to the validity of geological catastrophism, though he still sees "punctuated equilibrium" as an evolutionary force. He's quick to contradict his critics and point out flaws in alternative arguments espoused by everyone from Hapgood and Sitchin to, more recently, Hancock, Bauval and the Flem-Aths. Having seen at first hand the Yonaguni Monument off Japan's Ryuku islands, he concludes it is a natural rock formation comprising vertical joints and horizontal fractures that may or may not have been assisted by human hands.

Schoch is famous for having knocked back the Sphinx's original construction date to 5000 or 7000 BC or earlier, and here he devotes a chapter to the story of his findings. He also critiques a number of studies that

suggest how catastrophes—cosmic, seismic and climatic—have not only shaped our planet over millions of years but have caused the demise of civilisations. He argues that the May 2000 planetary "alignment" will not have destabilising effects on Earth, but that a flow of comets, expected to enter Earth-crossing orbits around 2200, could pose a real threat—one that our descendants will have to counter.

BIOHAZARD

by Ken Alibek w. Stephen Handelman

Publisher: Hutchinson, UK, 1999

ISBN: 0-09-180085-4 (336pp hc, UK);

0-375-50231-9 (hc, USA); 0-09-180135-4

(322pp tpb, Australia & NZ)

Price: AUD\$24.95; NZD\$34.95; £17.99

(hc); NLG\$70.90; USD\$24.95 (hc)

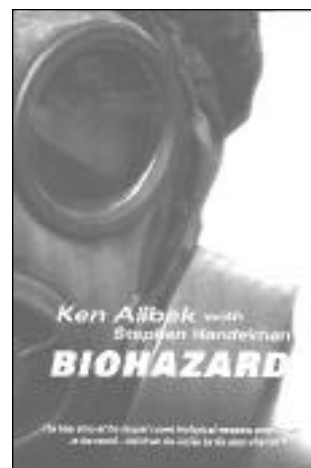
Available: **Aust/NZ/UK/USA**—Random House; **Europe**—NEXUS office

Kanatjan Alibekov is a Kazakhstan-born medical doctor and scientist who worked in the USSR's biowarfare program from the early 1970s until he resigned in 1992 and defected to the USA. Between 1988 and 1991, Colonel Alibekov was the first deputy chief of Biopreparat, the Soviet state pharmaceutical agency whose main role was the covert development and production of biological weapons—on a scale unsurpassed in history, and in defiance of the 1972 Biological Weapons Convention (BWC) to which Moscow is a signatory.

In his disturbing but gripping autobiographical account, *Biohazard*, Alibekov (now known as Ken Alibek) exposes the secrets about the USSR biowarfare program that were not only kept from the West but from everyone in the Soviet military, intelligence and bureaucracy without a need to

know. He reveals how the program was expanded to create biological agents in quantity, weaponise them and stockpile them in the hundreds of tons. The agents included anthrax, pneumonic plague, smallpox, tularemia and Marburg, to name but a few. Some were genetically engineered from human peptides, thus getting around a loophole in the BWC. This expansion had Gorbachev's approval, even in the *glasnost* years and as late as 1990—until the KGB, realising that the American program was low-scale compared to theirs, ordered its (official) dismantling in 1991.

Alibek tells of biological accidents, political intrigue, and his involvement in hosting US/UK monitors in the crumbling USSR and inspecting US biological facilities in 1991. Retaining some guilt that he broke his medical oath to "do no harm", he now works at a US research institute, developing immunological drugs to counter the detrimental health effects of bioweapons.



REVIEWS



BOOKS

VOYAGES INTO THE AFTERLIFE

by Bruce Moen

Publisher: Hampton Roads, USA, 1999

ISBN: 1-57174-139-9 (296pp tpb)

Price: AUD\$32.00 incl. p&h; NZD\$38.95; £10.99; NLGf33.90; USD\$13.95

Available: **Aust**—NEXUS Magazine, tel (07) 5442 9280; Gemcraft, tel (03) 9888 0111; **NZ**—Peaceful Living, tel (07) 571 8105; **UK**—Airlift Book Co., tel 0181 804 0400; **Europe**—NEXUS office, tel +31 (0)321 380558; **USA**—Hampton Roads, tel (804) 296 2772, website www.hrpub.com

Bruce Moen boggled quite a few minds when he spoke at the 1999 NEXUS Conference in May. Several attendees have even written in to say he's the first person they'd ask for if they ever got "stuck" between worlds—but they do so half in jest, as they know Bruce has given plenty of honest advice on how any of us can move beyond fear of the unknown, into freedom.

The key, as he demonstrates in his third book, *Voyages into the Afterlife*, is pure, unconditional love. It is the ultimate *modus operandi* of the "Level 27" consciousness realm and beyond (as it is in our "mundane" reality, for that matter). To comprehend fully the journeys Bruce undertakes here, it helps if you've read his previous books, *Voyages into the Unknown* and *Voyage Beyond Doubt* (see NEXUS 5/03, 6/02). He really does get "up close and personal", exposing intimate details of the ups and downs of his learning experiences with The Monroe Institute's Exploration 27 program—the last one to involve founder Bob

Monroe (in his physical life, at least!).

But Focus 27 is not just a realm to be relegated to the afterlife, for it is accessible to anyone with correctly focused imagination and intent. There, ready for explorations and meetings, are healing, education and "bright ideas" centres, co-ordinating intelligences overseeing time lines and the planetary Grid, and beyond, the extradimensional Gathering whose members are monitoring and learning from the "Earth school".

Bruce Moen has written a highly charged, inspirational account. And being the down-to-Earth engineer that he is, he'll find a way to bring the non-physical closer to home.

AUSTRALIAN BUSH FLOWER HEALING

by Ian White

Publisher: Bantam, Australia, 1999

ISBN: 0-73380-053-X (335pp tpb)

Price: AUD\$34.95; NZD\$45.00; overseas orders, contact ABFE

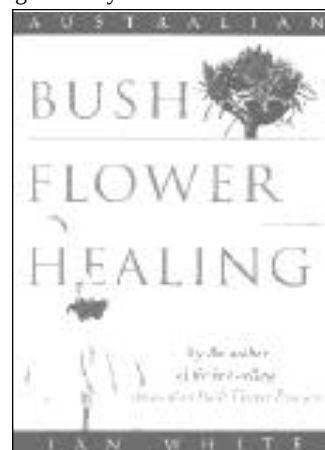
Available: **Aust/NZ**—Random House; **Aust**—Australian Bush Flower Essences, 45 Booralie Rd, Terrey Hills, NSW 2084, tel +61 2 9450 1388, fax +61 2 9450 2866; e-mail info@ausflowers.com.au, website www.ausflowers.com.au

Fifth-generation Australian herbalist Ian White has completed the companion volume to his landmark 1991 guide, *Australian Bush Flower Essences*. After further expeditions around Australia, and feedback from bush essence therapists, Ian has expanded on his original 50 essences with an additional twelve. In his new book, *Australian Bush Flower Healing*, he updates the first 50 essences, describes special combination and companion essences, and explains how to

prepare and take the remedies. He notes that the potency of the plants has increased since he obtained his first Mother Tinctures, and he links this with transformational leaps in human consciousness in the meantime.

Australian bush flower essences, like their counterparts elsewhere, work in subtle but powerful ways on emotional, mental, spiritual as well as physical levels. They have special appeal for those who were born in or have migrated to Australia, but judging from the popularity of bush essences around the world (largely as a result of Ian's workshops) they have powerful healing properties for people everywhere.

Australian Bush Flower Healing includes Ian White's updated Repertory of Emotional, Mental and Spiritual Conditions plus his Repertory of Physical Conditions. It also has chapters from practitioners Louise Anderson and Kerrie Redgate on the astrology of bush flower essences, further expanding the parameters of this exciting, evolving, healing modality.





REVIEWS

BOOKS

URIEL'S MACHINE: The Prehistoric Technology that Survived the Flood by Christopher Knight & Robert Lomas

Publisher: Century Books, UK, 1999

ISBN: 0-7126-8007-1 (466pp hc);

0-7126-80535 (384pp tpb)

Price: AUD\$24.95 (tpb); NZD\$34.95

(tpb); £17.99 (hc); NLGf70,90

Available: **Aust/NZ**—Random House;

UK/Europe—NEXUS offices

The progress of civilisation in the last 10,000 years has been punctuated by catastrophic set-backs. Geological evidence suggests there was an impact by seven cometary fragments in 7620 BC and a lesser impact in 3150 BC. Authors Christopher Knight and Robert Lomas say the former catastrophe caused gigantic tsunamis and a Great Flood to sweep the planet, and the latter strike hit the Mediterranean, again wiping out much of that region's civilisations.

Looking for clues, Knight and Lomas (authors of *The Hiram Key* and *The Second Messiah*) delved into diverse sources: early Scottish Freemasonry, the Book of Enoch (an oral tradition before being written down around 200 BC) and Celtic and Druidic folklore. Their thesis in *Uriel's Machine* points to the biblical Enoch having been a guest of the "Grooved Ware People" of the British Isles, inheritors of a sophisticated astronomical system that originated before the 7620 BC event (the first sighting posts were set up at Stonehenge c. 8075 BC).

The Book of Enoch describes a location which the authors conclude could only be Ireland's Newgrange—a crystal and granite

structure built around 3200 BC for Venus-centred rituals. Whether Enoch's teacher Uriel was an Angel or a Watcher is unclear, but elsewhere in Britain he showed Enoch a structure/device which the authors believe to have been a calendar machine with horizon declinometer for measuring the position of stars and approaching comets. The authors have successfully built the device, and believe that Enoch was given this information so he could set it up back home and warn his people of imminent cosmic doom.

This is an enthralling book with a vast scope that takes in the origin of writing, the megalithic yard and the bloodline of Christ.

SUMMONED: Encounters with Alien Intelligence

by Dana Redfield

Publisher: Hampton Roads, USA, 1999

ISBN: 1-57174-126-7 (264pp tpb)

Price: AUD\$29.95; NZD\$38.95; £10.99;

NLGf33.90; USD\$13.95

Available: **Aust**—Gemcraft, tel (03) 9888

0111; **NZ**—Peaceful Living, tel (07) 571

8105; **UK**—Airlift Book Co., tel 0181 804

0400; **Europe**—NEXUS Office; **USA**—

Hampton Roads, tel (804) 296 2772

Utah-based author Dana Redfield is one of untold numbers of people who have reported being contacted or abducted by aliens since childhood. In Dana's case, her realisation was sparked when she woke up one day in 1986 with implants in both of her hands. Soon after, she was compelled to divert her artistic temperament into studying quantum physics. Through the 1980s and into the 1990s she kept details of the dreams and strange phenomena affecting her, and underwent hypnotic regression in order to

access deeper levels of memories that were already starting to surface.

Over time, the quality of her experiences changed. By 1993 she started receiving messages from what would appear to be highly spiritually evolved alien intelligences—via dreams, "energetic infusions", telepathy, holograms, light displays, sounds and automatic writing. The information, often from entities who identified themselves as "the servants of El, faithful to the Law of One", covered the principles of creation, humanity's (alleged) alien-seeded genetic heritage, hybrid breeding programs conducted by various alien groups, and the challenges ahead in terms of planetary changes and our spiritual evolution.

In *Summoned*, Dana Redfield retraces her path towards understanding and continues to pose questions which keep alive her quest for truth. Her story of how she struggled to raise her vibrational frequency beyond the fear level will assist those trying to make sense of their own paranormal experiences.



REVIEWS



BOOKS

BLOOD ON THE MOUNTAIN

by Richard Andrews

Publisher: Weidenfeld & Nicolson, UK, 1999

ISBN: 0-297-84111-4 (295pp hc)

Price: AUD\$49.95; NZD\$79.95; £20.00; NLGf78,90; CAD\$n/a

Available: **Aust**—Allen & Unwin, tel (02) 8425 0100; **NZ**—Hodder Moa Beckett, tel (09) 478 1000; **UK**—Orion, tel 01903 721596; **Eur**—NEXUS office; **Canada**—McArthur & Co., tel (416) 408 4007

Historically, Jerusalem's Temple Mount is the most fought-over location in the world. A sacred place for Jews, Christians and Muslims, and the site of untold bloodshed over millennia, it is already the focus of a rising tide of militant fundamentalism.

In *Blood on the Mountain*, archaeologist Richard Andrews (co-author of *The Tomb of God*) reviews the history and archaeology of the Temple Mount from the Hebrew patriarch Abraham to the present day. With Josephus's *Antiquities* as a source, he follows the construction of the Temple of Solomon, the Ark of the Covenant's alleged hiding place, and the rise of Freemasonry. From an archaeological perspective, he studies the Temple's destruction of 596 BC, its rebuilding in 19 BC and its demise under the Romans in AD 71. He explains how, after a period of Byzantine Christian influence, the Temple Mount became a Muslim shrine, with the Dome of the Rock established in 691—though it and the imposing El Aqsa Mosque were destroyed by earthquakes and rebuilt in 747, 771 and 1033.

Andrews next focuses on the carnage of renewed Christian presence during the Crusades and the exploits of the Knights Templars, though without their records he cannot say what they might have found before Saladin retook the Mount for Islam.

The masonically linked late 19th/early 20th century British archaeologists, working under watchful Ottoman eyes, never found the ultimate prize. Andrews laments that latter-day 20th century political and religious conflicts make detailed archaeological excavations impossible, so questions remain as to what may still be hidden.

THE TIME TRAVEL HANDBOOK

edited by David Hatcher Childress

Publisher: Adventures Unlimited Press, USA, 1999

ISBN: 0-932813-68-2 (271pp tpb)

Price: AUD\$30.00; NZD\$34.90 + p&h; £12.50; NLGf40,90; USD\$16.95 + p&h

Available: **Aust/NZ/UK/Europe**—NEXUS offices; **USA**—Adventures Unlimited, tel (815) 253 6390, fax (815) 253 6300, e-mail <auphq@frontiernet.net>

For this compilation, *The Time Travel Handbook*, David Hatcher Childress has assembled an array of theoretical arguments on the nature of space-time, gravity and relativity, technical developments over the last century (from Tesla and Marconi), and circumstantial evidence suggesting time travel to be at least a possibility.

Childress takes us back to the late 1800s to the airship incidents that had anomalous aspects suggestive of all-too-human time travellers. Next, forward to the alleged Philadelphia Experiment of 1943. Sorting through the rumours and anecdotes (including those of Al Bielek), Childress summaris-

es the pros and cons of the experiment's very existence and speculates on the technology that *could* have been behind it. The US Navy recently admitted it had performed degaussing procedures on the *Eldridge* in dry dock, but not experiments to induce invisibility. According to speculation (no official documents are available or known to exist), the Navy got more than it bargained for: hyperdimensional teleportation/time travel of the *Eldridge*!

Childress also reprints documents from the untraceable Time Travel Mechanical Services, describing, among other devices, a Polyphase Warp Harmonic Field Array, purportedly in wide use in the 23rd century! He reprints the schematics (but no explanations) of the Hyper Dimensional Resonator from self-confessed time traveller Steven Gibbs; the Wing-Makers time capsule rave; and enough patents and diagrams to satisfy the technically minded and imaginative.





REVIEWS

BOOKS

ISRAEL BETRAYED

by Barry Chamish

Publisher: Zionist Book Club, Israel, 1999

ISBN: n/a (126pp tpb)

Price: USD\$20.00 inc. p&h

Available: **Israel**—The Zionist Book Club, PO Box 10182, Jerusalem 91101, fax +972 2 625 9239, e-mail <perkins@netvision.net.il>; **USA**—tel 1877 722 4699 (toll-free)

In his new book, *Israel Betrayed*, author/journalist Barry Chamish lets fly with vehement attacks on the US-based Council on Foreign Relations (CFR), whose plan he sees as forcing Israel to withdraw to 1948 lines and then eliminating the nation in war. Thus, he reasons (with a pro-Israel bias), any attempt to negotiate peace in the region (i.e., on Israeli terms) is stacked against Israel—especially as the CFR has had influence over key political figures and events over the decades in Israel (as it's done everywhere else, he adds, thus treading on well-worn conspiracy theory territory). To Chamish, it seems that accepting the Oslo peace accords is tantamount to accepting the CFR's secret plan for Israel.

Still, he uncovers plenty of nasty political and moral corruption which needs to be made public. Many of the names will only be familiar to committed Israel-watchers, and some of the names, such as Carmi Gillon, chief of the Shabak (General Security Services), are only becoming known as more comes out about what really happened around Rabin's assassination. Chamish adds new revelations beyond those in his book, *Who Murdered Yitzhak Rabin?*.

Chamish holds little hope for peace as the year 2000 approaches, for he sees millennium madness in Jerusalem likely to trigger major conflict—one that could see foreign powers (including the Vatican) decide on the carve-up of major religious sites and the arrival of UN troops *en masse* in Israel. If so, well, he did try to warn people.

BORN MANY TIMES

by George McMullen

Publisher: Hampton Roads, USA, 1999

ISBN: 1-57174-131-3 (200pp tpb)

Price: AUD\$27.95; NZD\$35.95; £9.99;

NLGf/31.90; USD\$12.95

Available: **Aust**—Gemcraft, tel (03) 9888

0111; **NZ**—Peaceful Living Publications,

tel (07) 571 8105; **UK**—Airlift Book Co.,

tel 0181 804 0400; **Europe**—NEXUS

Office, tel +31 (0)321 380558; **USA**—

Hampton Roads, tel (804) 296 2772



From 1969, Canadian psychic George McMullen worked with University of Toronto anthropologist/archaeologist Prof. Dr J. Norman Emerson, backing up his research at native American sites with psychic investigations, until the professor's death in 1978. McMullen then continued working with archaeologists and criminologists and has written three books on native American themes.

McMullen's latest book is the story of his psychic communications with the spirit of a native American shaman, called Born Many Times, who describes his journeys through past civilisations and foretells likely scenarios for humanity in the future.

This type of reportage is not something that rationalists can accept easily (if at all). Much of the information is difficult to verify, some of it hasn't happened yet or may never happen, and some of it challenges cherished beliefs about history and religion.

According to *Born Many Times*, extraterrestrials helped the Incas build their roads and temples, and the Egyptians their pyramids; Cleopatra was decapitated, not bitten by a viper; and Jesus Christ (Yeshua) was removed to France after the Crucifixion.

When pressed about our immediate and distant future, *Born Many Times* says we can do something to lessen the impact of predicted Earth Changes at least by improving the environment. However, it looks like we can look forward to another ice age starting within six centuries from now!

People who have worked with McMullen know him to be a man of honesty and integrity, so I don't doubt that his reporting is sincere. Even if his book, *Born Many Times*, is read as fiction, there are some important messages to be gleaned from it.

REVIEWS



BOOKS

THE COSMIC MATRIX: Piece for a Jig-Saw – Part 2 by Leonard G. Cramp

Publisher: Adventures Unlimited Press, USA, 1999
ISBN: 0-932813-64-X (363pp sc)
Price: AUD\$30.00; NZD\$34.90 + p&h;
£12.50; NLG f38,90; USD\$16.00 + p&h
Available: **Aust/NZ/UK/Europe**— NEXUS
offices; **USA**—Adventures Unlimited, tel
(815) 253 6390, fax (815) 253 6300,
e-mail <auphq@frontiernet.net>

British aerospace/aeronautical engineer Leonard G. Cramp has at last delivered this fascinating follow-up to his 1966 book, *UFOs and Anti-gravity: Piece for a Jig-Saw* (4/03). In *Cosmic Matrix*, he expands on his UFO propulsion theories to include gravity control, time travel and the interlocking energy web between the planets.

Cramp theorises that the two major cosmological theories—"steady state" and "big bang"—may be aspects of one and the same



thing. He posits that forces of attraction and repulsion do not originate or reside in matter. Rather, the phenomenon that causes these effects resides in "space", so these forces are merely the effects of this energy being unbalanced or changed on interacting with "matter". The "power" of space itself is responsible for gravitational, magnetic and electrostatic field phenomena, as well as for seemingly unrelated paranormal phenomena such as "mystical" levitation. Cramp proposes a broader unified field theory in which any apparent difference between the fundamental weak and strong forces is only a function of wavelength and/or frequency.

Taking this a step further, he describes a space-drive concept, in which a body is electrostatically pulse-charged to provide an "opacity lock". When these pulses are precisely synchronised with the alternating frequency of the appropriate Cosmic Matrix (Comat) extension modulations, that body can move by latching onto a monodirectional spatial displacement. By the same technique, devices which extract free, limitless energy are possible. Cramp includes diagrams to illustrate his theories and technical drawings to explain basic experiments.

VICTORIA POLICE CORRUPTION (Books 1 & 2)

by Raymond Hoser

Publisher: Kotabi, Australia, 1999
ISBN: 0-9586769-6-8 (Book 1, 720pp tpb); 0-9586769-7-6 (Book 2, 766pp tpb)
Price: AUD\$30.00 + AUD\$5.00 p&h (per book) in Australia
Available: **Australia**—Kotabi Publishing, PO Box 599, Doncaster, Vic. 3108, tel +61 3 9857 4491, fax +61 3 9857 4644, e-mail adder@smuggled.com, website www.smuggled.com

Whistleblower Raymond Hoser is arguably Australia's most frequently banned or censored author. His two latest books, *Victoria Police Corruption 1 & 2*, have again provoked the ire of those he exposes, but much of the material published herein has now been tabled in various Australian Parliaments—to ensure it doesn't get buried, and that truth will prevail.

Containing over 1,400 pages, these two books can't be easily summarised—or dismissed. Hoser includes new material not touched in *The Hoser Files* (1995, see review in 3/02), and expands on his frame-up by the Victoria Police and judiciary. Based on the evidence, Hoser concludes that police corruption in Victoria is still rampant and is aided and abetted by bent judges, magistrates, attorneys, bureaucrats and politicians—the corrupt few who are able to pull strings in their own favour.

In book one, Hoser exposes rackets involving assault, bribery, drug-trafficking, fraud, forgery, gun-running, illegal arms raids, inquest-fixing, murders, police perjury, set-ups and more. In book two, he uncovers high-level corruption among the judiciary, public servants and politicians, and the extraordinary lengths to which these people can go to hide their wrongdoing.

Many corrupt officials Hoser has already identified have been found guilty of criminal misconduct or been forced into early retirement. Fortunately for the concerned public, Hoser continues to document cases of official corruption that most of the media are too afraid to touch.



REVIEWS

BOOKS

ANTI-AGING MANUAL: The Encyclopedia of Natural Health by Joseph B. Marion

Publisher: Information Pioneers, USA, 1999 (Revised Second Edition)
ISBN: 0-9644999-0-9 (1489pp tpb)
Price: AUD\$99.00 inc. p&h;
AUD\$115.00 inc. p&h to NZ
Available: **Australia**—Health Books
Australia, PO Box 252, Turramurra, NSW
2074, tel (02) 9983 1299, 1800 225500,
fax (02) 9983 1686, <www.healthbooks
australia.com.au>; **USA**—Information
Pioneers, PO Box 7, South Woodstock, CT
06267, tel (860) 963 7131



If you're looking for a reference book on natural health and nutrition, the *Anti-Aging Manual* is as comprehensive as you'll find in the one volume. This hefty, revised second edition of 1500-odd pages is organised into seven chapters, with extensive contents listings (they'd be easier to find in the text if they were in bold type), a huge bibliography and a massive index.

Chapters 1 to 3 give alphabetical listings of over 90 vitamins, 100 minerals, 55 protein amino acids and enzymes, and notes on how to use them to supplement cellular deficiencies. Author Joseph Marion fervently believes that our body cells are our own best friends, and that we should keep them that way. This means eating the nutrients essential for good health, and in chapter 4 he details over 450 dietary "power foods".

For therapeutic rejuvenation, plants have healing properties beyond those of the building-block vitamins, minerals and proteins, and in chapter 5 he describes 900 plants, herbs and flower essences, sourced from the far corners of the globe.

Marion devotes a chapter to the physiology of ageing, and how body/brain health and

longevity can be promoted with specific remedies and correctly balanced diet and metabolism. He gives advice on food combining and examples of nutritious vegetarian recipes. The lengthy last chapter comprises an A to Z of conditions and cures that can be cross-referenced to earlier listings.

This compendium is essential reference for health/nutrition professionals and for anyone wanting to be more informed about their health and how to improve it.

ELEMENTS OF DANGER: Protect Yourself Against the Hazards of Modern Dentistry by Morton Walker, DPM, with Victor Zeines, DDS

Publisher: Hampton Roads, USA, 1999
ISBN: 1-57174-146-1 (304pp tpb)
Price: AUD\$31.95; NZD\$41.95; £11.99;
NLGf35,90; USD\$14.95
Available: **Aust**—Gemcraft, tel (03) 9888
0111; **NZ**—Peaceful Living, tel (07) 571
8105; **UK**—Airlift Book Co., tel 0181 804
0400; **Europe**—NEXUS Office; **USA**—
Hampton Roads, tel (804) 296 2772

Prolific medical journalist and author Morton Walker, DPM, has teamed up with Victor Zeines, DDS, for his latest book, *Elements of Danger*—an exposé of harmful dentistry practices, but with a welcome bias towards holistic alternatives.

In his research, Dr Walker uncovered information from the dental and medical literature and from practising dentists that proves that mercury amalgam fillings, fluoridation, root canal therapy and bridgework are downright dangerous to health, suppressing the immune system and allowing numerous diseases to take hold. He castigates the "toximolecular" school (most of whose US members belong to the American Dental Association) that is yet to come to terms with the link between tooth/gum health and overall health and continues to use mercury amalgam despite knowing its hazards.

On the positive side, he supports the growing "orthomolecular" movement, whose adherents practise holistic dental therapies and utilise biocompatible, mercury-free compounds. Dr Walker explains the choice of materials and practices, including the all-important detoxification and dietary regimens that patients must undergo before and after removal of amalgam fillings, to assist elimination of toxic heavy metals. He also discusses and recommends homoeopathic remedies for dental discomforts.

Dr Morton provides contact details of (mostly US-based) consumer organisations and information sources, as well as an extensive reading list. This is required reading for all dentists—and their patients.

REVIEWS



VIDEOS

Reviewed by Duncan Roads

CROP CIRCLE UPDATE 1999

Producer: The Enigma Channel, UK, 1999 (170mins, PAL/VHS)

Distributor: **UK**—Enigma Channel, tel +44 (0)181 850 2109, www.enigmatv.com

As you can see from the article in this edition, each year brings yet another crop of amazing formations. And while most of the world goes to bed each night thinking Doug and Dave have been at it again, NEXUS readers realise that the mystery is far from solved.

This is quite a comprehensive documentary, especially so since it takes you on the evolutionary journey of the formations, from 1990 right up to June this year.

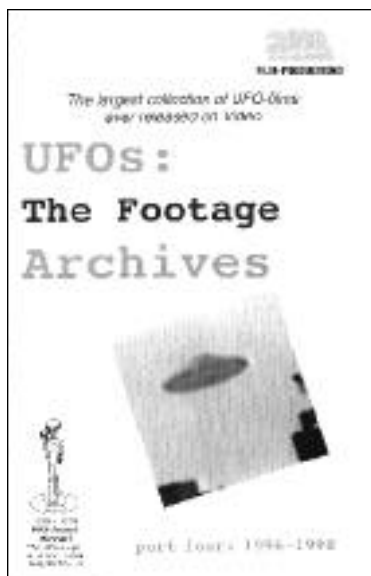
If you are interested in the Oliver's Castle video debate, you will find plenty to ponder herein also. Plus, there's lots of interview footage with respected researchers in the field, including Andy Thomas, Steve Alexander and Palden Jenkins.

All in all, one of the best videos on the subject that I have seen.

UFOs: THE FOOTAGE ARCHIVES Part 4: 1996–1998

Producer: Michael Hesemann and Natalia Zahradnikova for 2000 Film Productions, Germany, 1999 (100mins, PAL/VHS, NTSC/VHS in USA)

Distributor: **Aust/NZ/UK/Europe**—NEXUS offices; **Germany**—2000 Film Productions, Worringer Strasse 1, D-40211 Düsseldorf; **USA**—Adventures Unlimited, tel (815) 253 6390



Yet another solid 100 minutes of UFO footage from around the world, brought to you by Michael Hesemann, editor of the popular German publication, *Magazin 2000*. This episode contains the best of the years 1996 to 1998. Highlights include the bouncing UFO at White Sands; daylight footage of a UFO over Mexico City; a UFO interrupting a football match; some amazing UFOs over Israel; and, of course, umpteen UFOs over South America and Mexico.

My favourites, again, are from the incredible footage taken by various space shuttle missions. You have just *got* to see the footage taken by NASA space shuttle *Columbia* (STS-80 mission) on 1 December 1996. Apart from a spectacular view of the Earth, the number of UFOs has to be seen to be believed! The footage of UFOs near the *Mir* space station, taken by the shuttle *Atlantis*, is quite remarkable.

Also of interest is the ever-growing number of UFOs filmed as they split into two, three or more, smaller objects.

After watching this video, you, like me, will be left wondering how much longer the authorities and the sceptical mainstream are going to "ignore" this phenomenon.

GIVING BIRTH: CHALLENGES & CHOICES

Producer/Director: Suzanne Arms for Birthing the Future, USA, 1998 (35mins, PAL/VHS, NTSC/VHS)

Distributor: **USA**—Birthing the Future, PO Box 830, Durango, CO 81302, tel (970) 884 4090, www.BirthingTheFuture.com

In today's world, there are two approaches to birth. In most Western societies, birth is seen as a type of medical "crisis"—an event to be "treated" in hospital by "experts". There is no doubt that in some cases this is necessary. However, in other cultures and in times gone by, birth is treated as a special event and not as a problem to be fixed. The questions are thus raised: Does the medical intervention of drugs and surgery cause unnecessary trauma? How does this affect society as a whole?

This video assists with the rediscovery of the sacredness of birth. It also aids in learning about effective and safe alternatives to drugs and anaesthesia, and informs about the risks associated with hospital births that don't exist in other environments.

Many mothers giving birth in hospitals complain of feeling disempowered and distant from the experience. One has to wonder if this affects the future outlook of the child and adult to be.

This video lets women know that there is a choice, and invites people to take back their power on the experience of their life.



REVIEWS

AUDIO

Reviewed by Richard Giles

DAWN OF A NEW CENTURY

by Secret Garden

Producer: Rolf Lovland & Fionnuala Sherry for Universal Music, Norway, 1999
Distributor: **Aust/NZ/UK/Europe/USA**—Universal Music

Norwegian keyboardist Rolf Lovland and Irish violin player Fionnuala Sherry have released their third album after an amazing success with *Songs from a Secret Garden* (see NEXUS 3/04) and *White Stones*. They combine Irish and Norwegian sources for their inspiration. Guests on the album include Karen Matheson of Capercaillie and the Irish choir Aruna from the *Riverdance* production, as well as members of the Irish National Symphony Orchestra. An extraordinary album of romantic harmony, combined with lyrical, mystical stories derived from the cultures of China, Ireland and Norway. Superb quality.

AWAKENINGS

by Tony O'Connor

Producer: Tony O'Connor for Studio Horizon, Australia, 1999 (50mins)
Distributor: **Australia**—Studio Horizon, tel +61 (0)7 5445 7755, fax +61 (0)7 5445 7657, www.tonyoconnor.com.au

The use of musical tones to work with and enhance chakra energies is being practised more and more today. Tony O'Connor has come up with an especially effective one that I find incredibly easy to listen to and use. He was inspired by chiropractor Dr John Pirie's healing work with chakra tones and colours. Tony's gently harmonising sound shines through on the album. He avoids fatigue-causing higher frequencies on *Awakenings* and, instead, opts for bass tonings. Here he's joined by Matt James on didgeridoo. An excellent album for nurturing and re-energising the body's systems.

NGAIO GAMELAN

by David Parsons

Producer: David Parsons for Celestial Harmonies, Arizona, USA, 1999 (63mins)
Distributor: **Aust**—Festival Records, tel (02) 9955 8000; **Germany**—Celestial Harmonies; **USA**—Celestial Harmonies, tel (520) 326 4400, www.harmonies.com

David Parsons has been prolific in collecting and disseminating national cultural music around the planet. His *Music of Islam* series was stupendous in scope (see 5/04). Here he combines sampled material from Armenia, Indonesia and Pakistan with his own playing, creating an extraordinary

and fascinating fusion album which is compelling music. This man is a superb craftsman with a vision of musicians of the world working together for a united planet. Thoroughly recommended.

NIAFUNKE

by Ali Farka Toure

Producer: Nick Gold for World Circuit Productions, UK, 1999

Distributors: **Aust**—MRA Entertainment, tel (07) 3849 6020; **UK**—World Circuit, www.worldcircuit.co.uk

The combination of Ali Farka Toure with Ry Cooder, released in 1995, brought Toure to the wide attention of the West. Five years later, he's returned to the recording studio with fellow Malian musicians to put down an album of his desert-inspired blues-like Mali sounds. Recorded in his village of Niafunké at the edge of the Sahara, this is his people's music from the heart of the land. It's imbued with messages of hope for his land and the future of Mali's children, cooperation of his people and praise to God. The cool acoustic tracks are some of the most impressive music on the album.

COLOURED WINGS

by Jaya

Producer: Ray Oliver for Jay-Mah Creations, Australia, 1998 (56mins)
Distributor: **Australia**—Jay-Mah Creations, PO Box 674, Bulimba, Qld 4171, www.relaxationmusic.com

There are numerous brilliant Australian voices out there, putting their songs to music. Jaya Lewis has, with the help of Raymond Oliver from Heaven on Earth studios, created her dreams on this CD. Her glorious voice owes something to the sound of Cecilia on her *Feminine Spirit* album, and Jaya acknowledges Cecilia's contribution to her inspiration. Songs of childhood, nature, the Earth and harmony grace this album. An inspiring and gentle collection.



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intelligence agency in gaining access to a user's personal information.

- Intelligence sources reveal the increasing use of signals intelligence facilities to provide commercial advantages to domestic companies involved in international trade deals.

The report provides original, new documentation about the ECHELON system and its role in the interception of communications satellites. This includes details concerning how intelligence agencies are able to intercept Internet traffic and digital communications, including screen shots of traffic analysis from NSA computer systems.

Official UKUSA Confirmation

Privacy researchers were surprised in May when an Australian intelligence official confirmed the existence of the UKUSA intelligence-sharing treaty, in response to a formal information request by Channel 9 *Sunday* reporter Ross Coulthart. Martin Brady, director of the Defence Signals Directorate (DSD), admitted in a letter dated 16 March that his agency "does

cooperate with counterpart signals intelligence organisations overseas under the UKUSA relationship".⁶⁷

Parliamentary and Congressional Inquiries

The growing concern about the use of ECHELON has finally extended to capitals and elected representatives around the world. Pressure from the international business community has been brought to bear on government officials in response to mounting evidence that industrial espionage by the US is costing European firms billions of dollars each year.

Germany also followed the French example in June, when the cabinet issued a policy statement encouraging its companies and citizens to utilise encryption programs without restrictions. German business leaders were alerted to the extent of US commercial spying after an anonymous NSA employee admitted on German television in August 1998 that he had participated in stealing industrial secrets from the wind generator manufacturer, Enercon, which were passed on to its main US competitor, Kenetech.⁶⁸

Perhaps the most important governmen-

tal development is the growing interest of members of the US Congress regarding ECHELON and its surveillance capabilities. Since the NSA is the prime mover in the UKUSA intelligence partnership, any hope of reining-in the activities of the US intelligence agencies will require the involvement of congressional oversight committees.⁶⁹ ∞

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About the Author:

Patrick S. Poole is a lecturer in government and economics at Bannockburn College in Franklin, Tennessee, USA, having previously served as Deputy Director of the Center for Technology Policy in Washington, DC. He contributes frequently to several publications on the topics of privacy and civil liberties.

In the Realm of the Ring Lords

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strain, beyond the Christian pale. At best, they were perhaps mermaids and, at worst, they were vampires, but either way they were the evil, shapeshifting emissaries of Satan!

The fact that anyone believed such nonsense is difficult to comprehend in these more level-headed times. However, the myth is still operative and, to some extent, it is still working with a vengeance. It is even working on some whose apparent mission in life is to expose such propagandist dogma, but who—by way of its own cleverly contrived strategy—have actually fallen prey to it. In this regard, at this very moment there are some well-known, supposedly intelligent folk who should know better, claiming that the British Royal Family, along with myself and others, are really hideous reptiles from another planet!

One of the most surprising things about the Scythian Ring Lords is that their preserved remains from thousands of years ago (discovered even as far north as Siberia) show their bodies substantially tattooed with ring-tailed lemurs. Lemurs, we

are led to believe, are native to (and pretty much restricted to) Madagascar and the Comoros Islands off Mozambique, but here they are, where we are told they never were, in northern Europe and the Black Sea regions!

It has long been known that there was once a continent, inhabited by a great king-tribe, which was noted for its lemurs. Hence, it has been dubbed "Lemuria", setting a good many enthusiasts searching for its sunken whereabouts beneath the Atlantic, Pacific or Indian oceans as if it were the lost city of Atlantis. Maybe such a concealed territory does exist. However, the fact is that (by whatever name it was once known) the mightiest Lemurian land tract was never lost. It was the great mainland continent which still exists today, stretching across eastern Europe through the one-time USSR.

This was the original realm of the great Ring Lords, tracing back to about 40,000 BC—the homeland of the Oupires of the Pict-sidhé. It was the land of the mighty Warlords of the Dragon before they migrated and battled their way southwards in the ever-cooling climate of the last ice-age. Undoubtedly, the environment was once

very warm there, as is proved by the fact that the lemurs travelled about as far south as they could possibly go by land before Madagascar and the Comoros broke away from the southern African mainland.

What did these early god-kings look like? Well, they are now thoroughly identifiable from their preserved remains, which have been excavated at various sites from as far afield as Transylvania and Tibet. With their light-brown to red hair and pale eyes, the leather-clad men stood at least six foot six inches and upwards, while even the women were over six feet tall. Undoubtedly, these forebears of the Gaelic and Celtic High Kings were among the most awesome warriors of all history.

Of particular interest is the fact that the Anunnaki gods were as much a part of the Sidhé culture as they were of the Mesopotamian tradition. It was not for no reason that the settlement of Anu was hundreds of miles north of Sumer on the Caspian Sea. It was not for no reason that the ancient centre of Scythopolis (Sidhéopolis), which the Syrians called *Beth-Shean* (the House of Power), was 800 miles

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away in Galilee. Indeed, it is now suspected that the Ubaid culture of southern Mesopotamia—the culture which introduced municipal structure from about 5000 BC—was actually the Uper-ad culture: that of the Scythian Overlords, the Upers or Oupires.

It is also reckoned that the subsequent culture of the region, phonetically called Sumerian (pronounced "Shumerian"), was actually Sidhé-murian ("Shee-murian"). In fact, the case for this is now considerable, since the early Ring Lords of Scythia (the Tuatha Dé Danann king-tribe) were actually called the *Sumaire*. And in the language of old Ireland—to where many of the caste migrated—the word *sumaire* means "dragon".

So, why have we not learned about these people in our histories? The answer is straightforward. They were, in practice, the real Elves and Fairies of our heritage, but their story was quashed from the earliest days of Roman suppression and subjugation—as the diminution of their figures caused a parallel diminution of their history.

The fact is, however, that for all we have been told about our cultural identity being from the classical scholarship of Greece, or from the imperial majesty of Rome, these things are entirely untrue. Such establishments appeared very late in the day.

The true sovereign heritage of Western culture—the culture from which derived all the so-called myth and legend which sits so comfortably within a collective race memory (no matter what the Church and academics might say in their attempts to sway us)—comes from one place alone. It comes from a place and time that might just as well be called Middle Earth as by any other name. It comes from the long-distant Realm of the Ring Lords. ∞

About the Speaker:

Sir Laurence Gardner, KtStGm, KCD, KTStA, is an internationally known sovereign and chivalric genealogist. He holds the position of Prior of the Celtic Church of the Sacred Kindred of Saint Columba, and is distinguished as Le Chevalier Labhràn de Saint Germain and Preceptor of the Knights Templars of Saint Anthony. Sir Laurence is also Presidential Attaché to the European Council of Princes (a consti-

tutional advisory body established in 1946), and Chancellor of the Imperial and Royal Court of the Dragon Sovereignty. He is formally attached to the Noble Household Guard of the Royal House of Stuart, founded at St Germain-en-Laye in 1692, is the Jacobite Historiographer Royal by Appointment and is a Fellow of the Society of Antiquaries of Scotland.

Editor's Notes:

- Correspondence for Sir Laurence Gardner should be sent to him care of his postal address: Columba House, PO Box 20, Tiverton EX16 5YP, United Kingdom.
- Laurence Gardner's first book, ***Bloodline of the Holy Grail: The Hidden Lineage of Jesus Revealed***, was published by Element Books in 1996 (ISBN 1-85230-870-2 h/c), and is available in paperback (ISBN 1-86204-152-0). The second book in his Grail Bloodline series is ***Genesis of the Grail Kings: The Pendragon Legacy of Adam and Eve***, published by Bantam Press/Random House in 1999 (ISBN 0-593-04430-4).
- Video and audio tapes of Sir Laurence Gardner's presentation at the 1999 NEXUS Conference are now available. Contact your nearest NEXUS office.

