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NEXUS

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**Project Censored:
news the media ignored**

The health effects of light

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NEXUS

NEW TIMES MAGAZINE

Volume 8, Number 4 JUNE – JULY 2001

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PUBLISHED BY

NEXUS Magazine Pty Ltd, ABN 80 003 611 434

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

Project Censored; Jane Akre and Steve Wilson;
Prof. Michel Chossudovsky; Joseph G. Hattersley;
Martin Ebon; Jerry W. Decker;
Peter A. Lindemann, DSc; John Hogue;
Wm Michael Mott; George A. Filer

CARTOONS

Phil Somerville

COVER GRAPHIC

John Cook, jscook@ozemail.com.au

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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: editor@nexusmagazine.com

Web page: www.nexusmagazine.com

NEW ZEALAND OFFICE

RD 2, Kaeo, Northland

Tel: +64 (0)9 405 1963; Fax: +64 (0)9 405 1964

E-mail: nexusnz@xtra.co.nz

USA OFFICE - 2940 E. Colfax, #131,

Denver CO 80206

Tel: 303 321 5006; Fax: 603 754 4744

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)321 318892

STATEMENT OF PURPOSE

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

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Editorial

It is hard to imagine that just a few weeks ago I was clambering through tunnels and shafts of the Great Pyramid, cruising the Nile and haggling with street vendors. What can I say to you, except that the "Mysterious Egypt" trip with John Anthony West was way above my expectations. Everything—the organisational details for our group of thirty, the temples and tombs, the food, the people in our group plus the locals—was just fantastic. I could go on and on, but suffice it to say that we all had a great time. If you feel a desire to visit Egypt—and you want to do so with like-minded people, in style and comfort, and with a switched-on tour guide who gives quality time at each site—then go on one of John Anthony West's trips. He does several per year, and they are worth every cent! If there's not an advert in this edition, I suggest you visit his website at www.trueorigins.net/jaw/travel.htm.

Catherine and I also visited Turkey prior to meeting the group in Cairo. We only had a few days, so we decided to relax and explore Istanbul. During this time we met up with Haktan Akdogan, Turkey's high-profile UFO researcher/TV presenter. It looks like NEXUS will soon have a Turkish edition to include in our foreign-language stable.

The subject of UFOs has left its mark of late on the media, at both ends of the spectrum. A few weeks ago, an obscure UFO group that hardly anyone had ever heard of announced dramatically that it was folding due to a lack of UFO reports. Naturally, the mainstream media reported it all around the world, thus creating the impression that UFOs are a non-event. But when UFOs hover over the world's largest city for hours on end in broad daylight, in full view of hundreds of thousands of people—as they did in Mexico City in the early 1990s—the media silence is deafening.

The UFO Disclosure Project held its press conference on 9 May at the National Press Club in Washington, DC, where over 20 military, intelligence, government, corporate and scientific witnesses testified to the reality of UFOs/extraterrestrial vehicles, alien life-forms and advanced energy and propulsion technologies. Nearly all mainstream media organisations have run stories, most of them neutral to positive. So far, the *Washington Post* is the only media outlet I have seen run a sneering story, written by one Joel Achenbach. Joel probably expected the rest of the ratpack to follow suit; but surprisingly, other media organisations have treated the Disclosure Project with almost an air of respect. Is this a sign of change in media reporting? We hope so!

Meanwhile, we have plenty of thought-provoking material in this edition. Our first feature is a summary of Project Censored's top 25 under-reported news stories for 1999/2000. (Maybe one day Project Censored will realise that the UFO phenomenon is an under-reported news story, too!)

This issue sees plenty of Russian material, ranging from Soviet-era research into mind-power to Russian underwater UFOs. All very fascinating!

Free energy research also gets a good serve in this edition—and without lots of technical-looking diagrams! Peter Lindemann has submitted a thought-provoking and informative article on why we all don't have free-energy-powered homes and cars—yet. And the legendary Jerry Decker of KeelyNet has let us publish his excellent piece, "Something from Nothing, Revisited". If you've never read a science article before, please make sure you read these two; you will then have a good overview of the true status of free energy research across the globe.

Another of the must-read articles this issue is "Milking the Truth". Not only does it highlight how dangerous genetically engineered bovine growth hormones are to cows—and to humans who drink their milk—it also reveals disturbing insights into how media organisations gag, spin and distort the truth. Fortunately in this case, the two reporters refused to change their story, resulting in an embarrassing court case for Fox TV and bad publicity for Monsanto.

Until next time, our best regards to you all.

Duncan

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Letters to the Editor ...

Mad Cow Disease is Ancient

Hi, Duncan: The ABC 4 Corners TV show [23 April] demonstrated that although insecticides can damage prions, they do not cause a contagious type of damage that can be transferred to another animal. Prions damaged by insecticide cannot transfer that damage to another animal.

Manganese does replace copper in infected animals. The rich manganese in soils can accelerate that damage by supplying an abundance of manganese, which the disease will happily utilise, and may accelerate an already existing disease. But manganese does not cause the infection.

Petrol will fuel a fire—but unless there is already a fire, the petrol will not cause any fire. The Kuru in New Guinea happened where no insecticides were used.

This is an ancient disease. It is more likely to have come from outer space than from insecticides. Reason: no life form can withstand 600°C [1,112°F], yet CJD multiplies even after experiencing this temperature.

The mark of the beast has a new meaning.

Regards, Peter O., moonbeam@earthling.net

Thinking Outside the Square

Dear Duncan: I have been an avid NEXUS reader for about seven years now, and I want to congratulate you on an editing job that from my perspective has been excellent. Far from making me an anti-social paranoid, your magazine has provided and continues to provide an alternative viewpoint that really makes me think outside the square. As a third-year university student, I find this of particular value.

When I first began receiving your magazine as a 15-year-old, I believed that everything you published was so well researched that it had to be true. I have now reached a slightly more reasonable point in my life where I don't necessarily believe everything I read in NEXUS. In fact, I now use NEXUS the same way I do every other publication I read: as a valuable perspective on events in the world. Not fact, not fiction; just a perspective.

I hope you don't see this as a devaluation of NEXUS, because it

is much more valuable to me now than it could ever have been before.

Philip Doyle, pdoyle79@yahoo.com.au

Few Medical Studies on Garlic

Dear Duncan: I've trawled the PubMed papers for Garlic references for the entire 1970s and could not find a study relating to Stanford, which is given in Bob Beck's article already mentioned to you [see 8/02]. I also tried under Biofeedback and EEG, which starts at 1972, and could find nothing about garlic.

There is the problem that not all details are always given "on line", so the research could be elsewhere, or there's often "no abstract available" to say where something is being done or giving more detail. Even so, it's difficult to form an opinion on what has been said without any "evidence" to hand.

"A system for biofeedback conditioning of electroencephalographic activity" goes back to 1975; and "Detection of EEG abnormalities with feedback stimulation" (Mulholland, T., Benson, F., *Biofeedback Self-Regul.* 1976) says, "However, the feedback EEG method is not yet a proven diagnostic technique". So there's nothing to go on before that time, even. The early EEG and biofeedback work seems to have been predominantly on epilepsy, then alcoholism, drugs and some heart experiments.

The only mention of garlic and EEG was in a paper in *Int. J. Psychophysiol.* 1998 by G.N. Martin—"Human EEG response to olfactory stimulation: two experiments using the aroma of food". In the first experiment, garlic "smell" was tested on "synthetic" odours of chocolate, spearmint, almond, strawberry, vegetable, garlic, onion and cumin, and no odour was recorded from 19 electrodes in all EEG frequencies, delta, theta, alpha, beta-1 and beta-2.

In the second experiment, on the response to odour of real foods—chocolate, baked beans and rotting pork—chocolate odour was associated with significantly less theta activity than was any other stimulus. It is hypothesised that the alterations in theta reflect shifts in attention or cognitive load during olfactory perception, with a

reduction in theta indicating a reduced level of attention. Too busy feeling pleasure of the smell, perhaps? This neither proves nor disproves anything about garlic!

If you can help with finding out "evidence" for the garlic claims, I would be grateful, because to date the balance of research papers on garlic makes it one of the few natural things on offer that's a food medicine that can help people, e.g. against *H. pylori*, bacteria, viruses, etc. I'm not trying to discredit Beck—I want his stuff to be correct—but one can't just take anything as read without any hard evidence.

Sincerely, Helen Knowles, Helen@silvercrystal.freeserve.co.uk

Holy Grail & Bloodline of Jesus

I just want to say "Hats off to you!" Well done in putting out the Holy Grail bloodline of Jesus on the Web!

As a direct descendant of the Stuart/Stewart line of Kings and Queens, the Holy Grail bloodlines are a direct part of my family genealogy, and the "Templar Knights" a direct part of my heritage (my paternal grandfather was of the highest order of Knights Templars, and it is through his wife, my maternal grandmother, that we get our Royal Stewart heritage and lineage back to Jesus and Mary Magdalene).

Today, the names of Arthur, James, Joseph, John, Thomas, Maria (Mary), Anna, Alma (Hebrew Almah), still dominate the first names in my immediate family.

I am so glad that in this modern day and age of the Internet, the truth can finally be told! This is the new golden age of knowledge, and the truth can no longer be suppressed by churchianity.

Sincerely, Karen Vogel, Lasseemista@iopener.net

Hurricane Andrew Coincidences

Hello! First, I think your magazine is excellent. I am very grateful for the work you do and the courage you show.

Second, a question. In your editorial in 8/03 you say about the hurricane survivors: "...they were left to fend for themselves in an area that had become radioactive and overrun by primates which had

escaped from a nearby research lab." Unless I read poorly, I did not see anything in the article about primates from a nearby research lab. Did I miss something?

About Dade County: what is going on there? A couple things: the hurricane, the voting mess last year... Also—and please don't think I'm crazy—I read the Montauk Project books, which indicate the possibility of interdimensional activity going on in government experiments and in addition talk about the "metaphysical importance of August 23rd" in relation to Aleister Crowley and friends who performed a "working" to open that space. Then I see that Andrew landed August 24th and behaved like something not of this Earth.

I don't know what it all means, but it is too many coincidences for my taste.

All the best, Janet Brown, jbrownphd@yahoo.com

[*Dear Janet: Encounters with escaped primates are described in k. t. Frankovich's book, but we ran out of space to include a mention in her article. Also, I thought the significant Montauk date was August 12th. Ed.*]

Wondering about WingMakers

Dear Duncan: Articles on the subject of WingMakers have appeared in your magazine no less than four times now. I have read the articles and checked out the website, and it is, as you say, "intriguing stuff". Taking into account the amount of material that you review for publication in NEXUS, what part of the WingMakers' message strikes a chord in you?

For me, your editorial is the most valuable part of the magazine. I have never met or seen you, but value your opinion; and when you say look, I look. But WingMakers has me wondering why.

Still in the arena of other dimensions, I'm thinking about buying a Lifetools meditation device. I don't know if you have had any experience with them or any other alpha/theta-generating devices. What's your view or advice?

Thanks heaps, Darren, whipmtn@tsn.cc

[*Dear Darren: Lifetools has an excellent reputation. Ed.*]

... more Letters to the Editor

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

Reading for Vampire-Slayers!

Hi, NEXUS: As a subscriber since almost the first issue, I thought it was time for me to contribute something.

I was watching tonight's *Buffy* episode, "Triangle" [1 May], and noticed a copy of NEXUS in one of the scenes. It was in Giles's magic shop and was only visible for less than a second, but the large heading was unmistakable.

Regards, Adrian Sheedy,
adrian@sheedy.com

Brazilian Healing: Another View

Dear Sir: I read the letter by Conan Mishler ["Healing Experience in Brazil", 8/03]. I, too, went to be healed after I read your very positive article. I travelled from the UK and spent three weeks there at the beginning of the year. I have hypertension/kidney failure. I must report that I felt no different, apart from having the good weather and complete lack of stress. I was told by the entity that I would be well, but have not so far seen the proof of this. I am continuing to search for other therapies that might help me, and am still positive.

I think that your readers should be aware of the balanced view, as Mr Mishler says. If we travel long distances, which takes a lot of time, in sometimes difficult conditions that may be detrimental to our health and with no insurance cover for our problem, we need to have an honest view of the likely success of our efforts. In addition, the money we spend on such a venture could possibly be used in some other more useful treatment.

I think you are obliged, as a responsible magazine, to publish alternative points of view so that readers can make up their own minds.

Yours faithfully, Otto Melbye,
Oxford, UK, otto@ntlworld.com

Garlic as Medicine, not Food

We initially found Bob Beck's comments that garlic has an adverse effect on brain function shocking as well [8/02]. As Bob explains on the tape, his discovery about garlic's effect on the brain was quite by accident when he was involved in brain research.

We have since learned, however, that some groups practising meditation discourage the use of garlic.

A Buddhist friend studying to be a monk told us he was asked to refrain from eating both garlic and onions—onions being in the same family. Another friend told us some yoga groups also discourage eating garlic, as it is believed to interfere with spiritual awareness.

Many people today experience what has become known as "brain fog". My daughter suffered from brain fog for years until she heard Bob Beck speak. When she eliminated garlic from her diet, she discovered her brain fog cleared. When she consumed garlic in her food, she would again experience brain fog.

In addition, a master herbalist in the US warns that we're now using many herbs that have excellent medicinal properties as common foods. For maximum effectiveness, medicinal herbs should only be used when needed. Since garlic does boost the immune system, we have come to the conclusion it may be one of those medicinal herbs that should not be used as part of our daily food intake.

Sincerely, Carole Punt, Oroville,
Washington, USA, <http://www.sharinghealth.com/>

Dr John Whitman Ray's Passing

Dear Duncan: Many of you will be as shocked as I was to learn of the death of Dr John Whitman Ray on 21 April 2001 in New Zealand. The founder of Body Electronics (BE), he will be sadly missed by many. In his lifetime, "Dr John" worked in several countries and helped thousands of people to recover from serious illnesses, many of them "terminal".

Five years ago I first contacted him through an advertisement in your magazine, as I was suffering from longstanding serious health problems and intense lower back pain due to a disc injury in 1989. Those who knew Dr John won't be surprised to learn that after going on his BE program, my [Helene's] health improved dramatically; those two problem discs regenerated in a very short space of time and the associated pain disappeared. I also watched my mother's health improve swiftly from a serious throat infection when she went on Dr John's program.

Dr John Whitman Ray had been living in Australia when, on 7 April, he left Australia with an overnight bag. He was heading off

to New Zealand for a day or two, just to renew his visa. We know he planned to return very quickly to Australia as he was scheduled to conduct a BE Intensive in Toowoomba, Queensland, over Easter. He had also planned to live in Toowoomba and run a natural health cancer clinic there in the near future.

So we, his friends, would like to know why he was detained at Brisbane Airport and then sent off with his visa stamped "Not permitted to return to Australia for three years". He subsequently found himself stranded in New Zealand with all his possessions left in Australia. He died two weeks later of a heart attack.

We cannot see how such a true pioneer in the natural health field, with his awe-inspiring track record and high standing (Prof. Dr Sir John Whitman Ray, BA, ND, DSc, NMD, CT, MT, CI, PhD, BC, DipN, MD (MA), DAc, FFIM, FWAIM, RM, BEINZ, SNTR, NZ Char. NMP, NPA, and winner of the *Pax Mundi* World Peace Award) could be treated in this manner.

We feel that a public inquiry should be held to ascertain why he was banned from Australia for three years by the Immigration Department, particularly in view of all the good, compassionate work he was doing. Does anyone else out there feel the same way? If you have any further information or would like to assist in getting some answers, please write to us at the address below.

Sincerely, Helene Minto and
Peggy McDougall, PO Box 775,
Mudgeeraba, Qld 4213, Australia

Eastern Australia Tsunami Alert

Hi, Duncan: Two years ago, my book *Violent Weather Predictions 2000-2001* was published, in which I gave dates for severe weather and seismic activity worldwide [see article and review, 7/02]. I prefaced these predictions by stating that not all of these events would happen, but some of them could well come to pass.

As a professional long-range weather forecaster and hurricane predictor, my work primarily involves working in astrometeorology, a field not yet recognised by science. The basis of this science involves studying the effects of sunspot activity, resultant solar

flares and the combined influences of the Sun, Moon and planets in angular relationship to each other on Earth's magnetosphere, in turn affecting terrestrial weather patterns and the molten interior of our planet. Our solar system and galaxy are part of one huge electromagnetic machine; everything in it is interdependent, interrelated and interactive.

The reason for my writing to NEXUS now is to forewarn people living near the east coast of Australia—particularly from Bundaberg, Queensland, to northern New South Wales—of a strong possibility that a powerful tremor may strike between June 12 to 21 this year.

My concern is not based on a professional observation alone—i.e., that the Sun, Moon and planets will be affecting the east coast, along with the solar eclipse falling on the winter solstice—but also stems from a powerful vision I had almost 20 years ago.

The vision was of the east coast of Australia where I saw a giant tsunami, around 100 feet [30.5 metres] high, sweeping hundreds of people out to sea. The vision was so graphic that I tried to pull myself out of it; and as I did so, I saw a huge white-robed arm of God extended outward from elbow to fingertips, pointing to a solar eclipse at 0 degrees of Cancer. The whole thing was so terrifying that I wanted to erase it from my memory.

I had bought a book on planetary phenomena, giving the degrees of the solar eclipses from 1700 to 2050, and was astounded to find that there hadn't been a solar eclipse at that degree in 300 years. The only one coming in my lifetime was due on June 21, 2001. The next one, 2020.

It is possible that the June 12–21 period could bring another round of mega solar flares, which could further intensify severe weather and seismic activity. A tremor of sizeable magnitude could well raise a tsunami.

In closing, I would like to say that neither visions nor predictions are absolute and may never come to pass. However, it is far better to be prepared for something that may never happen, than not to be prepared for something that will.

Jennifer Lawson, ms_jennifer_lawson@yahoo.com

A NEW AGE OF NEURAL IMPLANTS

Have we entered the age of neural implants? Research in the field is booming. Medtronic, Inc. of Minneapolis, USA, has developed a device called a "deep brain stimulator", based on an electrode inserted in the brain. A tiny generator implanted in the chest cavity sends signals to the electrode which stimulates the brain, supposedly reducing neuromuscular tremors associated with Parkinson's disease.

Philip Kennedy and Dr Roy Bakay at Emory University in Atlanta, Georgia, have used implants to help speech-impaired patients communicate through a computer. And researchers at the University of Southern California are developing microelectromechanical systems that bind to and wirelessly monitor individual neurons—devices they hope one day will reconnect the severed bridge between a paralytic's mind and muscle.

Using very large scale integrated circuit technology, or VLSI, scientists can build millions of transistors on a single wafer, creating circuits that mimic basic neural operations in mammals.

A Los Angeles team at the University of Southern California, for example, has mathematically modelled neural circuitry and recreated it on silicon-based integrated circuits small enough to be implanted in the brain. Those circuits, if firmly affixed



to groups of neurons, could theoretically recouple neuronal connections destroyed by disease or accident.

(Source: By Kelly Hearn, *United Press International*, 9 May 2001)

CELLPHONES TO HAVE LOCATION-TRACKING BY 2005

By 2005, the government will be able to track you down through your cellphone. Cellphone manufacturers in the USA are under a federal mandate to equip mobiles with location-tracking technology beginning this October.

By 2005, 95 per cent of all cellphones must be able to be traced with an accuracy

of about 1,000 feet or better.

While such phones could be life-savers in an emergency, the order from the Federal Communications Commission has raised serious questions about invasion of privacy. Making mobile phones capable of tracking users' locations will involve planting GPS chips in the handsets or installing new infrastructure in cell sites.

Cellular providers plan commercial uses for the technology, such as getting directions if someone is lost, finding nearby restaurants or locating family members and friends who have become separated in a crowd.

"Wireless operators already know where consumers are by virtue of the fact that the phone is on," pointed out Ken Arneson, the chief strategy

officer at Telecommunication Systems, a provider of the location-tracking technology. "What's different here is that now carriers are looking to commercialise that and need to do that to offset the cost of putting this technology in place."

He estimated that it could cost billions of dollars to outfit the 110 million cellphones in the United States with the tracking mechanism.

(Source: *Foxnews*, 23 April 2001, <http://foxnews.com>)

BIZARRE CHEMICALS FORMED IN IRRADIATED FOOD CAN DAMAGE DNA

In a rare opportunity to speak publicly about food irradiation before a captive audience of government officials and food industry executives, Public Citizen has released the English translation of a recent German study revealing that a chemical formed in irradiated food can damage DNA.

The study confirms what safe-food advocates and many pioneering researchers have known for more than 30 years: that exposing food to ionising radiation can lead to the formation of bizarre new chemicals called "unique radiolytic products" that can cause serious health problems.

One such chemical, known as 2-DCB, caused "significant DNA damage" in the colons of rats that ate the substance. The chemical—which, ironically, is a well-known "marker" for determining whether food has been irradiated—has never been



found naturally in any food on Earth.

The study was conducted in 1998 under the auspices of two prominent pro-irradiation organisations. It was performed at one of the most prestigious food irradiation labs in the world: the Federal Research Centre for Nutrition in Karlsruhe, Germany. And it was co-funded by the International Consultative Group on Food Irradiation, a United Nations-sponsored organisation that promotes food irradiation worldwide.

Public Citizen released an English translation of the study at a meeting on 13 February at the US Food and Drug Administration in Washington, DC. The meeting was held to preview the March meeting of the Codex Alimentarius Commission, which sets food safety standards for most nations of the world.

Codex officials considered a proposal to remove completely the maximum dose of radiation to which food can be exposed. The current maximum dose is 10 kilograys—the equivalent of 330 million chest X-rays, and enough radiation to kill a person 2,000 times over.

(Source: Public Citizen, 11 March 2001; <http://www.citizen.org>)

OESTROGEN MIMICS ARE COMMON IN SUNSCREENS

Gender-bending chemicals that mimic the effect of oestrogen are common in sunscreens, warns a team of Swiss researchers.

Margaret Schlumpf from the Institute of Pharmacology and Toxicology at the University of Zurich, Switzerland, and her colleagues tested six common UV screening chemicals used in sunscreens, lipsticks and other cosmetics. All five UVB screens—benzophenone-3, homosalate, 4-methyl-benzylidene camphor (4-MBC), octyl-methoxycinnamate and octyldimethyl-PABA—behaved like oestrogen in laboratory tests, making cancer cells grow more rapidly.

One of the most common sunscreen chemicals, 4-MBC, had a particularly strong effect. When the team mixed it with olive oil and applied it to rat skin, it doubled the rate of uterine growth well before puberty.

"That was scary, because we used concentrations that are in the range allowed in sunscreens," Schlumpf said.

(Source: New Scientist Online News, 18 April 2001, www.newscientist.com)

EUROPEAN UNION CAN LEGALLY SUPPRESS DISSENT

The European Court of Justice (ECJ) ruled in March that the European Union can suppress criticism to protect its reputation.

The Court ruled that the Commission could restrict criticism that damaged "the institution's image and reputation", and that it could do so by resorting to a legal device used by fascist governments to suppress dissent in the 1920s and 1930s: "the protection of the rights of others". This ECJ ruling defies half a century of case law by Europe's other court, the non-EU Court of Human Rights in Strasbourg, and also resurrects the ancient offence of "seditious libel", banned by the House of Lords.

The Human Rights Court has ruled repeatedly that governing bodies may not restrict criticism in such a way. Specifically, the term "protection of the rights of others" does not apply to public bodies. The ruling shows that the ECJ (despite paying lip-service) does not consider itself bound by the European Convention on Human Rights, drafted by British lawyers after the Second World War to safeguard liberty in Europe.

This is an extremely serious development, because the EU's new Charter of Fundamental Rights extends the ECJ's competence into the area of civil liberties, transforming it from a commercial court dealing with single market issues to a fully fledged supreme court. The ECJ has already begun referring to the charter in its

rulings, demolishing the British Government's pretence that the document has no real legal status.

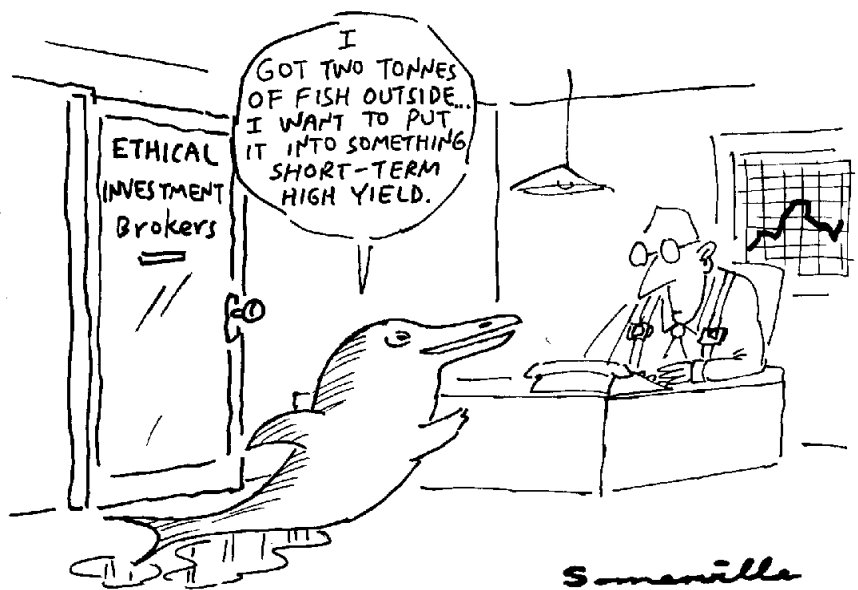
The door could be soon be open for the ECJ to start ruling on free speech cases involving ordinary EU citizens or, indeed, Euro-sceptic newspapers. We now have two rival sets of European rights law, overseen by rival courts with very different views of civil liberty: the ECJ and the Charter on one side, set against the Human Rights Court and the Convention on the other. The battle is just beginning.

(Source: By Ambrose Evans-Pritchard, The Telegraph, London, 10 March 2001, www.telegraph.co.uk)

NEW SMART BARCODES RAISE PRIVACY CONCERNS

Within a few years, unobtrusive tags on retail products will send radio signals to their manufacturers, collecting a wealth of information about consumer habits—and also raising privacy concerns.

It's 2010, and an ordinary day on an assembly line. A bottle of root beer is stamped with an innocuous little tag that immediately begins sending messages into cyberspace. The tag radios the soda company's website to report the bottle's whereabouts, allowing computers to track the bottle as it moves from the factory, through warehouses and distribution centres and into a refrigerator at a corner store. When the bottle is sold, the manufacturer is alerted and orders a new one to take its place. Finally, facing reincarnation



... GLOBAL NEWS ...

at a recycling plant, the bottle radios its "last words" to a robotic separator that lifts it from a pile of plastic and newspaper and tosses it into a container of broken glass.

At the heart of this scenario is a little device called a "radiofrequency identification tag"—a silicon chip that boots up and transmits a signal when exposed to the energy field of a nearby reader. The ultimate goal is to put a radio tag on virtually every manufactured item, each tracked by a network of millions of readers in factories, trucks, warehouses and homes, transforming huge supply chains into intelligent, self-managing entities.

Manufacturers hope to use these tags as a next-generation barcode, linking manufactured items to online databases containing product-specific information.

Steve Halliday, Vice-President of Technology at AIM, a trade association for manufacturers of tagging technology, said: "If I talk to companies and ask them if they want to replace the barcode with these tags, the answer can't be anything but yes. It's like giving them the opportunity to rule the world."

(Source: By Charlie Schmidt, March 2001, via www.rense.com)

THE EURODOLLAR: A SINGLE WORLD CURRENCY?

The anti-euro newsletter *Deutschlandbrief* (April 2001) reports—strictly as an unconfirmed rumour—that plans are afoot to create a

mega single currency by blending the euro and the dollar.

The central bank for this super-currency would be the Bank for International Settlements (BIS) in Basel, Switzerland, to whose board the United States has recently appointed members after many decades of neglect. Alan Greenspan, the US Federal Reserve Chairman, said as far back as 1994 that the BIS was likely to assume greater importance in the future.

In 1995, following the Maastricht Treaty signing, the Americans took up their seats together with the Canadians and Japanese, thus starkly changing the composition of the BIS. This move was not least because the Maastricht Treaty removed most of the BIS's *raison d'être*. It had previously been used for intra-bank settlements in Europe. It was also the clearing centre for the ecu, the forerunner of the euro. With the introduction of the single currency, this function ceased to have any significance. On 11 September 2000, moreover, the BIS rid itself of its private shareholders by compulsorily buying them out. This had the effect of closing the bank's books to public scrutiny.

It is also relevant that Robert Mundell—the Nobel Prize-winning economist who was awarded his prize for being the "intellectual godfather of the euro" (even though many economists have argued that his theory of optimal currency zones precisely proves why the euro is a bad idea)—called for a link between the dollar and the euro at

a conference in Paris in November 1999. (Source: European Foundation Intelligence Digest, no. 117, 6–19 April 2001, website www.europeanfoundation.org)

THANKS FOR THE MEMORY: BENVENISTE VINDICATED

About homoeopathy, Professor Madeleine Ennis of Queen's University, Belfast is, like most scientists, deeply sceptical. That a medicinal compound diluted out of existence should still exert a therapeutic effect is an affront to conventional biochemistry and pharmacology, based as they are on direct and palpable molecular events. The same goes for a possible explanation of how homoeopathy works: that water somehow retains a "memory" of things once dissolved in it.

This last notion, famously promoted by French biologist Dr Jacques Benveniste, resulted in his excommunication from the scientific mainstream. More than a decade later, Professor Ennis jumped at the chance to join a large pan-European research team, hoping finally to lay the Benveniste "heresy" to rest. But she was in for a shock, for the team's latest results controversially suggest that Benveniste may have been right all along.

A consortium of four independent research labs in France, Italy, Belgium and Holland, led by Professor M. Roberfroid at Belgium's Catholic University of Louvain, used a refinement of Benveniste's original experiment that examined another aspect of basophil activation.

The team knew that activation of basophil degranulation by aIgE leads to powerful mediators being released, including large amounts of histamine, which sets up a negative feedback cycle that curbs its own release. So the planned experiment involved comparing inhibition of basophil aIgE-induced degranulation with "ghost" dilutions of histamine against control solutions of pure water.

The result, soon to be published in *Inflammation Research*, was the same: histamine solutions, both at pharmacological concentrations and diluted out of existence, led to statistically significant inhibition of basophile activation by aIgE, confirming previous work in this area.

Jacques Benveniste is unimpressed. "They've arrived at precisely where we started 12 years ago!" he said.

(Source: By Lionel Milgrom, Guardian, 15 March 2001, www.guardian.co.uk)



"How 'bout I come in for 20 minutes each day and you just read it to me?"

FARMER UNJUSTLY LIABLE FOR VIOLATING GE SEED PATENT

On 29 March 2001, a Canadian judge dealt a crushing blow to farmers' rights by ruling that Percy Schmeiser, a third-generation Saskatchewan farmer, must pay Monsanto thousands of dollars for violating the corporation's monopoly patent on genetically engineered (GE) canola seed.

Under Canadian patent law, as in the US and many other industrialised countries, it is illegal for farmers to re-use patented seed or grow Monsanto's GE seed without signing a licensing agreement.

If the biotech corporations and US trade reps get their way, every nation in the world will be forced to adopt patent laws that make seed-saving illegal. The ruling against Schmeiser establishes an even more dangerous precedent because it means that farmers can be forced to pay royalties on GE seeds found on their land, even if they didn't buy the seeds or benefit from them.

Percy Schmeiser did not buy Monsanto's patented seed, nor did he obtain the seed illegally. Pollen from Monsanto's GE canola seeds blew onto his land from neighbouring farms, without his consent. (Percy Schmeiser's neighbours and an estimated 40% of farmers in western Canada grow GE canola.) Shortly thereafter, Monsanto's "gene police" invaded his farm and took seed samples without his permission. Percy Schmeiser was a victim of genetic pollution from GE crops, but the court says he must now pay Monsanto US\$10,000 for licensing fees and up to US\$75,000 in profits from his 1998 crop.

The GE canola that drifted onto Schmeiser's farm was engineered to withstand spraying of Monsanto's proprietary weedkiller, Roundup. But Schmeiser did not use Roundup on his canola crop. After all, if he'd sprayed his crop, the chemical would have killed the majority of his canola plants that were not genetically engineered to tolerate the weedkiller!

Schmeiser didn't take advantage of Monsanto's GE technology, but the court ruling says he's guilty of using the seed without a licensing agreement. He has now filed a counter-suit against Monsanto, but needs help with legal costs (visit Schmeiser Defense Fund, www.percyschmeiser.com).

Meanwhile, Monsanto has threatened to "vigorously prosecute" hundreds of cases against seed-saving farmers.

(Source: Rural Advancement Foundation International, 2 April 2001, www.rafi.org)

THE LAST PRESIDENT TO DEFY THE FEDERAL RESERVE

President John F. Kennedy was the last President on record to defy the Federal Reserve System—and look what happened to him. The circumstances surrounding the assassination of President Kennedy remain unresolved at best. What is known, however, is that Kennedy was in many ways a maverick, who, as President, often acted independently and at times in direct conflict with the agendas of many powerful Washington insider interests. One of the most powerful of these interests was the Fed.

Economist Seymour Harris described Kennedy as "by far the most knowledgeable President of all time in the general area of economics". Professor Donald Gibson, in his 1994 book, *Battling Wall Street: The Kennedy Presidency*, documents much of the Kennedy economic program, including:

- Tax proposals to redirect the foreign investments of US companies;
- Making distinctions in tax reform between productive and non-productive investment;
- Eliminating the tax privileges of US-based global investment companies;
- Cracking down on foreign tax havens;
- Supporting proposals to eliminate tax privileges for the wealthy;
- Proposing increased taxes for large oil and mineral companies;
- Revising the investment tax credit;
- Making a proposal to expand the powers of the president to deal with recession.

President George W. Bush, to bolster his tax-cut proposal, has accurately demonstrated how Kennedy, in 1961, passed a much larger and broader tax cut than the one he is presently proposing. At the time, Kennedy articulated a profound understanding of the economic principle of leaving the maximum amount of capital at the source of production, with the taxpayer. Most economists agree that the Kennedy tax cut contributed greatly to the prosperous economy of the 1960s. And President Reagan's 1981 tax cut contributed to the prosperity of the 1980s and 1990s.

With regard to the Fed, James J. Saxon, Kennedy's comptroller of the currency, encouraged a policy of broader investment and lending powers to be granted to non-Fed-affiliated banks. This would involve allowing for the setting of interest rates by these independent banks and lenders that could compete with those set by the Fed and its affiliates. Saxon also decided that these non-Fed banks and institutions could underwrite state and local bond issuances, an area that had been a bailiwick for Fed-affiliated banks. These policies set the Kennedy administration at odds with the powerful central banking system. The Fed seeks to increase further its monopolistic prerogative over the issuance of currency and the setting of interest rates.

In June 1963, President Kennedy authorised the issuance of more than US\$4 billion in debt-free "United States Notes" through the US Treasury. This extraordinary act completely circumvented the Fed, which expects to be called upon to lend currency—at interest accruing to themselves—to the US Government. Perhaps Kennedy reasoned that this currency would reduce the national debt by avoiding the necessity of paying interest to the Fed.

The last time a President tried this was in 1862, when Abraham Lincoln authorised the issuance of US\$450 million in debt-free currency—known at the time as "greenbacks"—through the US Treasury, rather than borrow money from the banking establishment. Lincoln stated: "Government possessing power to create and issue currency...need not and should not borrow capital at interest... The privilege of creating and issuing money is not only the supreme prerogative of the government, but is the government's greatest creative opportunity."

It is a fascinating coincidence that Presidents Abraham Lincoln and John F. Kennedy were both assassinated. Kennedy opposed many powerful interests during his all-too-brief Presidency, not the least of whom were those in his own government, such as the likes of McNamara, Rusk, Rostow and the Bundy brothers, who were clamouring for war in Vietnam.

The widow of accused assassin Lee Harvey Oswald, in a 1994 interview with author A. J. Weberman, said the following: "The answer to the Kennedy assassination is with the Federal Reserve Bank. Don't underestimate that. It's wrong to blame it on [CIA official James] Angleton and the CIA *per se* only. This is only one finger of the same hand. The people who supply the money are above the CIA."

(Source: by Chuck Morse, 29 March 2001, www.chuckmorse.com)

PROJECT CENSORED

THE MOST UNDEREXPOSED NEWS IN AMERICA

According to the Project Censored voting team, these are the top 25 news stories that should have received major coverage in the US mass media last year, but didn't.

Sonoma State University's Project Censored team has released its list of the top 25 most under-covered news stories in the United States during 1999–2000. Media students, faculty staff and community experts are involved in the selection, screening and evaluation process. These top 25 stories, as ranked by Project Censored's national judges, are summarised below in edited form. We recommend that you visit the website projectcensored.org for additional text, references and updates. — Editor

1. World Bank and Multinational Corporations Seek to Privatisise Water

Global consumption of water is doubling every 20 years, more than twice the rate of human population growth. According to the United Nations, more than one billion [1,000,000,000] people already lack access to fresh drinking water. If current trends persist, by 2025 the demand for fresh water is expected to rise by 56 per cent more than the amount of water that is currently available.

Multinational corporations recognise these trends and are trying to monopolise water supplies around the world. Monsanto, Bechtel and other global multinationals are seeking control of world water systems and supplies. The World Bank recently adopted a policy of water privatisation and full-cost water pricing. This policy is causing great distress in many Third World countries, which fear that their citizens will not be able to afford for-profit water.

San Francisco's Bechtel Enterprises was contracted to manage the water system in Cochabamba, Bolivia, after the World Bank required Bolivia to privatise. When Bechtel pushed up the price of water, the entire city went on a general strike. The military killed a 17-year-old boy and arrested the water rights leaders. But after four months of unrest, the Bolivian government forced Bechtel out of Cochabamba. Bechtel Group Inc., a corporation with a long history of environmental abuses, now contracts with the city of San Francisco to upgrade the city's water system. Bechtel employees are working side by side with government workers in a privatisation move that activists fear will lead to an eventual take-over of San Francisco's water system.

Maude Barlow, chair of the Council of Canadians, Canada's largest public advocacy group, and a director of the International Forum on Globalization, states: "Governments around the world must act now to declare water a fundamental human right and prevent efforts to privatise, export and sell for profit a substance essential to all life."

Governments are signing away their control over domestic water supplies by participating in trade treaties such as the North American Free Trade Agreement (NAFTA) and in institutions such as the World Trade Organization (WTO). These agreements give transnational corporations the unprecedented right to the water of signatory companies. Water-related conflicts are springing up around the globe. Monsanto estimates that water will become a multibillion-dollar market in the coming decades.

References

- Maude Barlow (www.canadians.org), "The Global Water Crisis and the Commodification of the World's Water Supply", *International Forum on Globalization: Special Report, June 1999, in Prime, July 10, 2000*, www.ifg.org/bgsummary.html
- Jim Shultz (JShultz@democracycctr.org), "Water Fallout", *Canadian Dimension, February 2000*; "Water Fallout: Bolivians Battle Globalization", *In These Times, May 15, 2000*, www.inthesetimes.com; "Just Add Water", *THIS, July/August 2000*
- Vandana Shiva, "Monsanto's Billion-Dollar Water Monopoly Plans", *Canadian Dimension, February 2000*, www.purefood.org/Monsanto/waterfish.cfm

compiled by

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Sonoma State University
1801 East Cotati Avenue
Rohnert Park, CA 94928-3609, USA
Telephone: +1 (707) 664 2500
Email: censored@sonoma.edu
Website: www.projectcensored.org

2. OSHA Fails to Protect United States Workers

United States labour laws are poorly enforced and fail to meet the basic human rights of US workers. Each year, about 6,000 workers die on the job from accidents and another 50,000 to 70,000 workers die annually from "occupationally acquired diseases".

The Occupational Safety and Health Administration (OSHA) is not capable of effectively overseeing US workplaces. The entire federal and state worker health and safety apparatus involves just 2,300 inspectors who must cover America's 102 million workers in 6.7 million workplaces. That comes to one inspector for every 44,348 workers. Theoretically, it would take OSHA 110 years to inspect each workplace under its jurisdiction just once.

Needed by labour and despised by business, OSHA may be workers' best friend in government, but critics say OSHA has never been weaker or less worker-friendly. Recent studies show that United States labour laws have loopholes, are poorly enforced and fail to meet human rights standards required of other countries.

In these times, it is hard to get the attention of an OSHA inspector as there are so few of them, and OSHA is woefully ill-equipped to monitor the workplaces of America.

Reference

• Christopher D. Cook (cdcook@igc.apc.org), "Losing Life and Limb on the Job", *The Progressive*, February 2000, www.progressive.org/cook0200.htm

3. US Army's Psychological Operations Personnel Worked at CNN

From June 1999 to March 2000, CNN employed military specialists in "psychological operations" (Psyops) in their Southeast TV bureau and CNN radio division.

CNN had hosted a total of five interns from US Army Psyops: two in television, two in radio and one in satellite operations. The military/CNN personnel belonged to the airmobile Fourth Psychological Operations Group, stationed at Fort Bragg, North Carolina. One of the main tasks of this group of almost 1,200 soldiers and officers is to spread "selected information".

The propaganda group was involved in the Gulf War, the war in Bosnia and the crisis in Kosovo. The military personnel stayed with CNN for at least two weeks "to get to know the company and to broaden their horizons".

Still, the Psyops people in Arlington were not entirely satisfied with news handling during the war on Serbia. In their opinion, too much information about the results of the bombings came to the surface.

CNN reports and other media coverage of the war in Kosovo have attracted criticism for being one-sided, overly emotional, oversimplified and too heavily reliant on NATO officials. On the other hand, journalists have complained about the lack of reliable information from NATO; for almost all of them, it was impossible to be on the battlefield and file first-hand reports.

Reference

• Alexander Cockburn, "CNN and Psyops", *CounterPunch*, February 16 and March 1, 2000, www.counterpunch.org/cnnpsyops.html

4. Did the United States Deliberately Bomb the Chinese Embassy in Belgrade?

Elements within the CIA may have deliberately targeted the Chinese Embassy in Belgrade, without NATO approval, because it was serving as a rebroadcast station for the Yugoslavian Army. The London *Observer* and the Copenhagen *Politiken* [dates not given] reported that, according to senior US and European military sources, NATO knew very well where the Chinese Embassy was located and listed it as a "strictly prohibited target" at the beginning of the war.

The *Observer* stated that the CIA and its British equivalent, MI6, had been listening to communications from the Chinese Embassy routinely since it moved to its new site in 1996. The Chinese Embassy was taken off the prohibited target list after NATO detected it sending Yugoslavian Army signals to forces in the field.

"Nearly everyone involved in NATO air operations (radio) signals command knows that the bombing was deliberate," said Jens Holsoe of *Politiken*, lead investigative reporter with the news team reporting on the story. President Clinton called the bombing a "tragic mistake" and said it was the result of a mix-up. NATO claimed that they were using old maps and got the address wrong. However, *Observer* reporters quoted a Naples-based flight controller who said the NATO maps used during the campaign had correctly identified the Chinese Embassy.

A French Ministry of Defence report stated that the flight that targeted the Chinese Embassy was not under NATO command but, rather, was an independent US bombing raid.

In July 1999, CIA director George Tenet testified before Congress that, of the 900 sites struck by NATO during the bombing campaign, the only one targeted by the CIA was the Chinese Embassy.

References

• Yoichi Shimatsu, "Reports Showing US Deliberately Bombed Chinese Embassy Deliberately Ignored by USMedia", *Pacific News*, October 20, 1999
• Joel Bleifuss (itt@inthesetimes.com), "A Tragic Mistake?", *In These Times*, December 12, 1999, www.inthesetimes.com

5. United States Taxpayers Underwrite Global Nuclear Power Plant Sales

The US tax-supported Export-Import Bank (Ex-Im) is solidly backing major US nuclear contractors such as Westinghouse, Bechtel and General Electric in its efforts to seek foreign markets for nuclear reactors.

Between 1959 and 1993, Ex-Im spent US\$7.7 billion to help sell American-made reactors abroad. Most countries do not have the capital to buy nuclear power, so contractors, in order to be competitive, provide 100 per cent of the financing. Ex-Im offers terms too good for Third World and Eastern European buyers to pass up. If the host country defaults on its loan, Ex-Im steps in with American taxpayer dollars.

Westinghouse built the Bataan nuclear power facility in The Philippines in 1985 at a cost of \$1.2 billion, 150 per cent above its

"Nearly everyone involved in NATO air operations (radio) signals command knows that the bombing [of the Chinese Embassy] was deliberate."

— Jens Holsoe, *Politiken*

projections. However, the Bataan plant was never brought on line due to the fact that it was near an active volcano. Despite this, The Philippines still pays about \$300,000 a day in interest on the Ex-Im loan that funded the project. Should The Philippines default, US taxpayers will pick up the tab.

"American contractors are selling a product that most people don't want," says Dave Martin of the Toronto-based Nuclear Awareness Campaign. US taxpayers are subsidising this industry. Without Ex-Im, which offers terms just too good for Third World countries to pass up, American firms would not succeed in selling nuclear power plants worldwide.

Reference

• Ken Silverstein and Ian Urbina (iurbina2@aol.com), "Pushing the Nuclear Plants: A US Agency Hooks Foreign Clients", *The Progressive*, March 2000, www.progressive.org

6. International Report Blames United States and Others for Genocide in Rwanda

Bill Clinton and his administration allowed the genocide of 500,000 to 800,000 people in Rwanda in 1994. In a clear effort to avoid responsibility and embarrassment, the Clinton administration has refused to acknowledge its role in failing to prevent the genocide in Rwanda.

This allegation comes from the recent report released in July 2000 by a panel affiliated with the Organization for African Unity (OAU). OAU set up a panel comprised of two African heads of state, chairwomen of the Swedish Committee for UNICEF, a former Chief Justice to the Indian Supreme Court and a former Canadian Ambassador to the United Nations.

The panel was asked to review the 1994 genocide, the actions preceding the massacre and the world's response to the killings. The panel concluded that the nations and international bodies that should have attempted to stop the killing chose not to do so. The report convincingly condemns the United Nations, Belgium (a former colonial occupier), France (which maintained close relations with Rwanda) and the United States.

The panel found that after the genocide began, the Clinton administration chose not to acknowledge that it was taking place.

According to the report, the killings could have been stopped before they began. The report refers to the well-known fax that Canadian Lieutenant-General Romeo Dallaire, commander of the UN peacekeeping troops in Rwanda, sent to the UN three months before the genocide began. In it, Dallaire warned that an extermination campaign was coming. He asked for an additional 3,000 UN troops, which would have brought the total to 5,000—a number likely to have been able to prevent the genocide. However, Madeleine Albright played a key role in the UN Security Council in blocking the troop expansion.

References

• David Corn, "Loyal Opposition: Clinton Allowed Genocide", *Alternet*, July 25, 2000, www.alternet.org/story.html?StoryID=9494
• Ellen Ray, "The Role of the US Military", *Covert Action Quarterly*, Spring/Summer 2000
• OAU report, www.oau-oua.org/Document/ipep/ipep.htm

7. Independent Study Points to Dangers of GE Foods

In 1998, Arpad Pusztai, a researcher at Rowett Research Institute in Aberdeen, Scotland, performed the first independent, non-industry-sponsored study analysing genetically engineered food and its effects on mammals. The study had been undertaken to determine whether or not the spliced genes themselves could be damaging to the mammal ingesting them. However, preliminary data from the study suggested something even more startling.

Pusztai's study found that rats fed transgenic potatoes (artificially bioengineered to include a gene from another species) showed evidence of organ damage, thickening of the small intestine and poor brain development. The potatoes used in the study had been genetically engineered to contain lectin, a sugar-binding protein, to make the plants pest-resistant. The adverse reactions only occurred in the group that was fed the transgenic potatoes, and were not caused by the added lectin but by the process of genetic engineering itself.

In August 1998, Pusztai appeared on the British television program *The World in Action* to report the findings of his study. In an attempt to quell the resulting public furor, Rowett Institute director Philip James (who had approved Pusztai's TV appearance) said the research didn't exist. He fired Pusztai, broke up his research team, seized the data and halted six other similar projects. It came out later that Monsanto, a leading US biotech firm, had given the Rowett Institute a US\$224,000 grant prior to Pusztai's interview.

Evidence emerged to support the legitimacy of Pusztai's research. The British medical journal *Lancet* published a peer-reviewed paper that Pusztai had co-authored, supporting the research.

Back in 1992, the US Food and Drug Administration determined that genetically engineered foods were in most cases "the same as or substantially similar to substances commonly found in food" and thus are not required to undergo specific safety tests prior to entering the market.

References

• Ben Lilliston (blilliston@iatp.org), "Don't Ask, Don't Know", *Multinational*

Monitor, January–February 2000, www.essential.org/monitor/mm2000/mm0001.05.html

• Joel Bleifuss, "No Small (Genetic) Potatoes", *In These Times*, January 10, 2000, www.inthesetimes.com

8. Drug Companies Influence Doctors and Health Organisations to Push Medications

More than 130 million prescriptions were written in 1999 [in the USA] for depression and mental health-related symptoms at a cost of US\$8.58 billion. Physicians know that antidepressants are only part of the answer for mental health, but marketing by drug companies has created the mythology of pills as cure-alls. However, a 1999 federal research study found that the newer antidepressants were effective in only half of the cases and outperformed placebos by only 18 per cent.

Drug companies spend \$5 billion annually to send sales representatives to doctors' offices. Sales reps keep FBI-style dossiers on physicians, which include information such as the names of

Physicians know that antidepressants are only part of the answer for mental health, but marketing by drug companies has created the mythology of pills as cure-alls.

family members, golf handicaps and clothing preferences. Hard sales tactics and small gifts are part of the pitch. In addition, pharmaceutical companies provide perks and outright compensation to doctors for their participation in the prescribing of particular drugs to their mental health patients.

On another front, pharmaceutical companies are reaping big profits by promoting forced drug use through programs at the National Alliance for the Mentally Ill (NAMI). *Mother Jones* researchers used internal documents to prove that NAMI received \$11.72 million from the psychiatric drug industry in just two-and-a-half years. NAMI's leading donor is Eli Lilly and Company, the maker of Prozac.

Reference

• Ken Silverstein, "Prozac.org", *Mother Jones*, *MOJO Wire Magazine*, November/December 1999, www.motherjones.com/mother_jones/ND99/nami.html

9. EPA Plans to Disburse Toxic/Radioactive Wastes into Denver's Sewage System

The Environmental Protection Agency (EPA) plans to pump toxic waste water into Denver's sewer system in order to clean up a Superfund site at the Lowry landfill.

Between 1950 and 1980 at the Lowry landfill near Denver, millions of gallons of hazardous industrial wastes were dumped into shallow unlined pits. The EPA declared the 480-acre site a Superfund site in 1984. Now the EPA wants to treat the contaminated groundwater at the landfill and discharge it into the Denver metro sewage system. The sewage system would then use the sludge from the treated water to fertilise Colorado farmlands.

Citizen groups say that the landfill is widely contaminated with highly radioactive plutonium and other deadly wastes. Adrienne Anderson, a lawyer and instructor at the University of Boulder, stated that the EPA's plan is a way to "legally pump plutonium into the sewer line". Anderson and her students have accrued some 200,000 files on the Lowry landfill.

One document—"Preliminary Evaluation of Potential Department of Energy Radioactive Wastes", dated December 13, 1991—showed that the levels of plutonium and radioactive americium detected at the Lowry landfill were 10 to 10,000 times greater than the average levels reported for a nuclear weapons plant in that area. The document had been released by the Lowry Coalition, a group of corporations and government agencies that dumped materials at the site.

References

• Will Fantle, "Plutonium Pancakes", *The Progressive*, May 2000, www.progressive.org

10. Silicon Valley Uses Immigrant Engineers to Keep Salaries Low

Highly skilled immigrant workers in Silicon Valley are being exploited by employers. Existing immigration law sets a cap on the number of H1-B visas the industry can use to hire immigrant engineers, so this year the Silicon Valley electronics giants have been pushing for more H1-B workers.

While H1-B-status labourers boost corporate bottom lines, there

is a devastating effect on the workers themselves.

AFL-CIO Vice President Linda Chavez-Thompson accuses the industry of using the H1-B visa program to keep their workers in a position of dependence. She points out that these workers are often hired under individual contracts, which by US law means they don't have the right to organise. The H1-B program gives employers the power not only to hire and fire workers but to grant legal immigration status as well. If an employer does not like something a worker does, the employer has the power to deport the worker. Labour advocates say the problem is not a labour shortage but the industry's unwillingness to pay the salaries that American high-tech workers demand.

Reference

• David Bacon (dbaicon@igc.apc.org), "Silicon Valley Sweatshops", *Washington Free Press*, July–August 2000

11. UN Corporate Partnerships: A Human Rights Peril

In a move to make the United Nations more corporate-friendly, officials are calling for UN–corporate partnerships. The UN's new partners include multinational giants like McDonald's, Disney, Dow and Unocal. A business-friendly ideology at the UN

is based on a desire to gain favour with the United States, the UN's largest funder, and to raise money through private sources.

UN agencies have entered into an array of partnerships with giant corporations, including many which citizens movements have denounced for violations of human and labour rights.

Human rights groups around the world are increasingly challenging the new partnership arrangements for fear that these new relationships will undermine the UN's ability to serve as a counterbalance to global corporate power.

Reference

• Danielle Knight, "Perilous Partnerships", *Multinational Monitor*, March 2000, www.essential.org/monitor/mm2000/00march/economics1.html

12. Cuba Leads the World in Organic Farming

Cuba has developed one of the most efficient organic agriculture systems in the world. Due to the US embargo and the collapse of the Soviet Union, Cuba was unable to import chemicals or modern farming machines to uphold a high-tech corporate farming culture. The lost buying power for agricultural imports led to a general diversification within farming on the island.

Cuba's new revolution is founded upon the development of an organic agricultural system. The migration of small farms and gardens into densely populated urban areas has also played a crucial role in feeding citizens. Havana, with nearly 20 per cent of Cuba's population, now has more than 8,000 officially recognised gardens, which are in turn cultivated by more than 30,000 people and cover nearly 30 per cent of the available land. The quality and quantity of crop yields have increased—at a lower cost and with fewer health and environmental side effects than ever.

References

• Alison Auld, "Farming with Fidel", *Sustainable Times*, Fall 1999
• Hugh Warwick, "Cuba's Organic Revolution", *Third World Resurgence*, issues 118–119, Spring 2000

Cuba has developed one of the most efficient organic agriculture systems in the world.

13. The WTO is an Illegal Institution

Something not mentioned by the corporate press, or most of the 1,200 groups from 85 countries that opposed the World Trade Organization (WTO) policies during and after the Seattle demonstrations in 1999, is the fact that the WTO is actually an illegal institution.

The WTO was put in place following the signing, in 1994 in Morocco, of a "technical document" negotiated behind closed doors. Following the Morocco meeting, the agreement was either rubber-stamped or never formally ratified by national governments, yet membership in the WTO requires acceptance of its precepts without exception.

The 1994 agreement has been casually embodied in international law, bypassing the democratic process in mostly all of the member countries. It blatantly overrides national laws and constitutions while providing extensive powers to global banks and multinational corporations. This totalitarian intergovernmental body has been empowered under international law to "police" country-level economic and social policies, suppressing the rights of national governments. Also, the WTO neutralises the authority of UN agencies, such as the International Labor Organization, designed to oversee international trade conduct. It furthermore contradicts the Universal Declaration of Human Rights.

Reference

• Michel Chossudovsky, "Seattle and Beyond: The Illegality of the WTO", Covert Action Quarterly, Spring-Summer 2000, www.caq.com

14. Europe Holds Companies Environmentally Responsible

The European Union will soon hold any company that enters the European market responsible for the environmental impacts of its products.

Known as Extended Producer Responsibility (EPR), the new EU rules will make manufacturers change product design, the materials used in manufacturing and the methods by which products are disposed to ensure environmental integrity. The regulations will cover products that contain electrical circuits, and the phasing out of toxic metals used in the production of consumables like refrigerators and computers.

Reference

• Joel Bleifuss, "The Big Stick Approach", In These Times, April 17, 2000, www.inthesetimes.com

15. Gerber Uses WTO to Suppress Laws Promoting Breastfeeding

Gerber Baby Foods Corporation has used the World Trade Organization to suppress a Guatemalan law that encouraged mothers to breastfeed their children.

In 1983, the government of Guatemala passed a law and regulations with the goal of inspiring new mothers to breastfeed their infants and understand fully the harm that could be done to their baby if they used breast-milk substitutes.

Gerber objected to Guatemala's law. It refused to remove its trademark picture of a smiling chubby baby from its product labels. It also refused to add a phrase to the labels saying that breast milk is superior. In November 1993, Gerber lost its appeal but opened up a new line of attack on Guatemala, stating that the law was an "expropriation of Gerber's trademark". In 1995, when

the World Trade Organization came into being, Gerber dropped its claim regarding expropriation and began to challenge Guatemala before a WTO tribunal. Guatemala realised it was in battle with an immense power. The government changed its law to concede to Gerber's marketing practices.

Reference

• Peter Montague (peter@rachel.org), "Corporate Rights vs Human Need", Rachel's Environment and Health Weekly, November 18, 1999, www.rachel.org/bulletin/index.cfm?St=4

16. Human Genome Project Opens the Door to Ethnically Specific Bioweapons

The Human Genome Project may now open the door to the development and use of genetic weapons targeted at specific ethnic groups. This project is currently being conducted under the auspices of the US Energy Department, which also oversees America's nuclear weapons arsenal.

Current estimates of the cost of developing a "gene weapon" have been placed at around \$50 million—well within the capabilities of covert government programs.

On November 15, 1998, the London Times reported that Israel claims to have successfully developed a genetically specific "ethnic bullet" that targets Arabs. When an Israeli government spokesman was asked, he did not deny that they had them.

References

• Roy Blake, "Genetic Bullets, Ethnically Specific Bioweapons", Washington Free Press, Jan/Feb 2000

• Greg Bishop, "Ethnic Weapons for Ethnic Cleansing", Konformist, March 2000, www.konformist.com

17. IMF and World Bank Staff Tightly Connected to New Yugoslav Government

The G-17 is a Yugoslav economists group that supported presidential candidate Vojislav Kostunica and wrote the policy statements for the post-election economic reform of

Yugoslavia.

The impression the G-17 likes to give is that it is an independent and Yugoslav-oriented group. The reality is vastly different. It is actually funded through the Washington-based Center for International Private Enterprise (CIPE)—a group set up through the National Endowment for Democracy, a CIA-related group created in 1983. The G-17 group calls for Yugoslavia to work more closely with the International Monetary Fund (IMF) towards the development of a market economy. Former Eastern bloc neighbouring countries that have followed this tactic have had massive wage deflation and increased poverty for the bulk of their citizens.

According to writer and IMF researcher Professor Michel Chossudovsky, the G-17 paradigm economic program for Yugoslavia contains the same measures the IMF forced on Russia, Ukraine, Bulgaria, Peru and many other nations. The results have been social and economic devastation.

References

• Christian Parenti, "Colony Kosovo", San Francisco Bay Guardian, August 23, 2000, www.sfbg.com/News/34/47/47wvko.html

• Michel Chossudovsky (chossudovsky@videotron.ca) and Jared Israel (Emperors1000@aol.com), "The International Monetary Fund and the Yugoslav Election", Emperor's New Clothes, September 28, 2000, emperors-clothes.com/indexe.htm

Something not mentioned by the corporate press, or most of the 1,200 groups from 85 countries that oppose WTO policies, is the fact that the WTO is actually an illegal institution.

18. Indigenous People Challenge Private Ownership and Patenting of Life

There is a portion of the WTO agreement, called Trade-Related Aspects of Intellectual Property Rights (TRIPs), that will allow multinational corporations to apply for patents on living creatures and life processes. However, indigenous peoples from around the world believe that private ownership of life forms is unnatural and inappropriate.

On July 25, 1999, a gathering of indigenous peoples signed a document that called for an amendment to the TRIPs agreement, which would be put as a priority item on the agenda at the WTO Ministerial Conference in Seattle. The document eloquently states that all life forms and life-creating processes are sacred and should not be subject to proprietary ownership.

Specifically targeted is Article 27.3b of TRIPs, which will denigrate and undermine rights to cultural and intellectual heritage, destroy plant, animal and genetic resources and even discriminate against indigenous ways of thinking and behaving. The people are very specific that the amendments to Article 27.3b should clearly prohibit the patenting of plants and animals. They aim to ensure that a system is created that will protect knowledge, innovations and practices in farming, agriculture, health and medical care and conserve the biodiversity of indigenous peoples and farmers.

References

- Kimberly Wilson, "Indigenous Peoples' Statement on the Trade-Related Aspects of Intellectual Property Rights (TRIPs) and the WTO Agreement", GeneWatch, October 1999
- "A Call for Support for African Group Proposal on TRIPs Article 27.3(b) on Patenting of Life", Third World Resurgence, nos. 110, 111, Fall 1999

19. United States Using Dangerous Fungus to Eradicate Coca Plants in Colombia

The United States plans to deploy, or may have already deployed, new biological weapons for the war on drugs that seriously threaten both humans and the environment.

The bioweapon is *Fusarium* EN-4, a plant fungus used in many chemical weapons developed by the United States in 1950s and '60s. *Fusarium* is being redesigned to attack coca, cannabis and opium crops in producer countries in the Third World. This work is proceeding despite evidence that the *fusarium*, if deployed, will have profound and disastrous impacts on the humans and ecologies of the countries in which they are used.

Pathogens developed long ago at Fort Detrick, Maryland, the centre for the US biowarfare program, were frozen but not destroyed when the facility was closed by President Nixon in 1969. Veterans of the Soviet biological warfare effort are now working on this research with UN funding in order to shield the United States from charges of violating the internationally negotiated Biological Weapons Convention.

Peru has already banned the testing and/or deployment of the *fusarium* fungus. Colombia, however, was forced to accept spraying as part of a \$1.8 billion aid package that was approved by US Congress in July 2000.

Eduardo Posada, president of the Colombian Center for

International Physics, found *fusarium* to be "highly toxic". According to his data, the mortality rate among hospital patients who were immune-deficient and infected by the fungus was 76 per cent. "The mutated fungi can cause disease in a large number of crops, including tomatoes, peppers, flowers, corn and vines," he said. He added that the mutated genus could stay in the ground for 40 years.

Reference

- Alexander Cockburn and Jeffrey St Clair, "McCaffery's Plagues: New Biowar on Drugs", *CounterPunch*, Observer, London, June 1-15, 2000 and July 2, 2000

20. Disabled Most Likely to be Victims of Serious Crime

Research consistently finds that people with substantial disabilities suffer from violent and other major crime at rates 4 to 10 times higher than that of the general population.

Estimates are that around five million disabled people are victims of serious crime annually in the United States. Disabilities often make people easy targets for crime and abuse.

Several studies suggest that 80-85% of criminal abuse of residents in institutions is never reported to authorities. Evidence also shows that when these crimes are reported, there are lower rates of police follow-up, prosecutions and convictions.

Reference

- Dan Sorensen (dsorensen@dmhhq.state.ca.us), "The Invisible Victims", Tash Newsletter, March 2000, 158.96.231.221/dmhsearch/dmhquery.asp

21. US Military Bombing Range Destroys Korean Village Life

Every weekday for the past 50 years, from 8 o'clock in the morning to 11 o'clock at night, US fighter planes in Korea have dropped 400 to 700 bombs on the Koon-ni range less than one mile from local villages.

The targets for the bombs are islands in the beautiful Aia Bay where the people derive their livelihoods by fishing. As the A10 and F-16 US fighter aircraft swoop over the countryside, they drop depleted uranium (DU) shells. The DU shells add radioactive contamination to the other

toxic wastes and oil that have been accumulating near these villages for the last half-century.

Throughout the years, at least 12 people have been killed and numerous others have been wounded. The number of cancer cases is disproportionately large and growing, and women are increasingly experiencing miscarriages and birth defects. Noise levels have been measured off the decibel scale. Mental health is a serious issue, with constant tension from noise.

Lockheed-Martin now owns the Koon-ni range. This kind of privatisation of the military comes as no surprise, because 50 years of dropping bombs and spraying bullets has been very lucrative for arms manufacturers.

For the good part of 50 years, most Koreans knew nothing about this, but protests are growing.

References

- Karen Talbot, "US Bombing Range in South Korea: 'Hell On Earth!'", *Freespeech.org*, September 1, 2000, www.freespeech.org
- Corporate media coverage: Christian Science Monitor, June 2, 2000; New York Times, June 18, 2000

There is a portion of the WTO agreement, called Trade-Related Aspects of Intellectual Property Rights (TRIPs), that will allow multinational corporations to apply patents on living creatures and life processes.

22. US Repressed Marijuana Tumour Research

A Spanish medical team's study released in Madrid in February 2000 has shown that tetrahydrocannabinol (THC), the active chemical in marijuana, destroys tumours in lab rats. The research was conducted by a medical team led by Dr Manuel Guzman of Complutense University in Madrid.

These findings, however, are not news to the US Government. A study in Virginia in 1974 yielded similar results but was suppressed by the Drug Enforcement Administration (DEA). The 1974 study—published in an article, "Antineoplastic Activity of Cannabinoids", in the *Journal of the National Cancer Institute* in 1975—does not mention breast cancer tumours. These were featured in the only newspaper story ever to appear about the 1974 study. The *Washington Post* story (August 18, 1974) read in part: "The active chemical agent in marijuana curbs the growth of three kinds of cancer in mice and may also suppress the immunity reaction that causes rejection of organ transplants... The researchers found that THC slowed the growth of lung cancers, breast cancers and a virus-induced leukemia in laboratory mice, and prolonged their lives by as much as 36 percent."

In 1976, President Ford put an end to all public cannabis research and granted exclusive research rights to major pharmaceutical companies. In 1983, the Reagan/Bush administration tried to persuade US universities and researchers to destroy all cannabis research work done between 1966 and 1976 as well as compendiums in libraries.

References

- *Corporate media coverage: AP and UPI news wires, February 29, 2000*
- *Raymond Cushing (raymondcushing@ireland.com), "Pot Shrinks Tumors; Government Knew in '74", Alternet, May 31, 2000, www.alternet.org/*

23. Very Small Levels of Chemical Exposures Can be Dangerous

For years, the public has been told that a low level of chemical exposure holds no significant risk to humans. However, the results of recent studies show that even small amounts of chemicals (in drinking water, in foods) may in fact be very damaging.

New research in the field of endocrine disrupters has shown that chemicals like dioxin, PCBs and DDT act at very low levels to interfere with normal hormone functions of the body. Very low levels of these chemicals have been linked to a wide variety of health problems, such as neurological and developmental problems, immune system disruption, learning disabilities, birth defects and other reproductive anomalies.

According to Dr Pete Myers, co-author of *Our Stolen Future*, chemical attacks against foetal development work because some chemicals act as imposters, insinuating themselves in the body's natural hormone system that normally directs foetal development. What is becoming apparent is that important low-level effects, such as disruption of a hormone signalling system, may be hidden by higher levels of chemical exposure, which cause more obvious impacts that are easier to measure.

Reference

- *Stephen Lester, "Understanding 'Low Level' Chemical Exposures", Everyone's Backyard, Summer 2000*

24. Pentagon Seeks Mega-Mergers Between International Arms Corporations

A US Government task force has released its final report to the public, recommending globalisation of the US defence industry, even if it results in proliferation of conventional weapons.

The Defense Science Board (DSB) Task Force on Globalization and Security is a 27-member appointed board, composed mostly of Department of Defense (DoD) and private industry representatives. The DSB encourages the Pentagon to facilitate transnational mergers of defence corporations in order to avoid eventual conflicts with European countries over global arms market shares. Overall, the DSB Task Force advocates reducing the DoD's role in controlling arms exports.

A few large companies already dominate the American arms industry, and Europe's defence firms are rapidly consolidating as well. Germany's Daimler-Chrysler and France's Aérospatiale announced a planned merger to form the European Aeronautics, Defence and Space Co. (EADS), and BAE Systems now monopolises the UK defence industry.

Increased partnership between US and EU defence corporations is needed, DSB warns, to avoid a protectionist "Fortress America" from going to war with a hostile "Fortress Europe" over market share.

The Federation of American Scientists is concerned that transnational arms mergers will create very powerful defence companies, further shifting control away from governments and towards private industry.

Reference

- *Federation of American Scientists, "Arms Company of the Future: BoeingBAELockheedEADS, Inc?", Arms Sales Monitor, January 2000, www.fas.org*

25. Community Activists Outsit McDonald's

On Sunday December 13, 1998, local residents of Hinchley Wood, England, occupied the parking lot of their

local pub to prevent McDonald's from building on the site. Their 24-hours-a-day sit-in campaign lasted 18 months, received national publicity and galvanised community support against McDonald's.

The community organised to become Residents Against McDonald's (RAM). Their campaign forced McDonald's onto the defensive, stopping all work on the site. RAM exposed how local planning laws allow companies to steamroll over the wishes of communities, ignoring expressed concerns over the quality of local lives and environment.

When McDonald's leases or purchases neighbourhood pubs to avoid the usual local planning applications and guidelines, local residents become outraged and feel compelled to resist. This time the residents were successful.

After RAM's incredible 552-day continuous occupation, McDonald's threw in the towel and handed back the lease on the pub to the original owners. RAM celebrated an historic victory.

Reference

- *McLibel Support Campaign, "Residents defeat McDonald's after mammoth 552-day occupation", A-Infos New Service, June 16, 2000, www.mcspotlight.org*

...transnational arms mergers will create very powerful defence companies, further shifting control away from governments and towards private industry.

MILKING THE TRUTH WITH GE HORMONES

*Monsanto and Fox
TV went to great
lengths to deny the
public's right to
know about the
effects of GE
growth hormones
on dairy cows and
their milk.*

© by Jane Akre & Steve Wilson

From the *BGH Bulletin* website
www.foxBGHsuit.com

In the June–July 1998 issue (5/04), we ran a Global News item entitled "The Cancer Risks from rBGH in Milk". It reported on the health risks to cows treated with the genetically engineered bovine growth hormone rBGH (or bovine somatotropin, rBST) to increase their milk production, and the potential dangers to humans from drinking milk from these cows. It also discussed the sacking in December 1997 by Fox TV of Jane Akre and Steve Wilson, award-winning journalists who had produced a series of reports exposing the prolific use of Monsanto-manufactured rBGH in Florida's dairy cows and the link between rBGH and cancer.

Following representations by Monsanto's lawyers, Fox cancelled the series three days before the first broadcast scheduled for February 24, 1997, then tried to water it down, offering to pay the two reporters if they would leave the station and "keep mum" about what Fox had done to their work. Akre and Wilson twice refused big-money deals and filed a landmark lawsuit on April 2, 1998. They also survived three attempts by Fox to have their case summarily dismissed.

BGH Bulletin reports that after a five-week trial and six hours of deliberation, which ended on August 18, 2000, a Florida state court jury unanimously determined that Fox "acted intentionally and deliberately to falsify or distort the plaintiffs' news reporting on BGH". In that decision, the jury also found that Jane Akre's threat to blow the whistle to the FCC on Fox's misconduct was the sole reason for the termination. The jury awarded awarded US\$425,000 in damages, making her eligible to apply for reimbursement for all court costs, expenses and legal fees. This is the first time journalists have used a whistleblower law to seek legal redress for being sacked for refusing to distort the news.

In April 2001, Jane Akre and Steve Wilson were honoured with a Goldman Environmental Prize, one of the world's most prestigious environmental awards, for their courageous efforts to expose the potential threat to public health from rBGH.

The following audio-video script contains parts I and II of the four-part "Reporters' Version" (Version 29, lawsuit Exhibit R), which is the story Akre and Wilson wanted to tell but which Fox TV would never broadcast. The "Fox-mandated Version" of the script (Version 28, lawsuit Exhibit Q) contains comments from the journalists, detailing the lies, distortions and slanting of the story to which Steve and Jane consistently objected. These comments are interspersed through the Reporters' Version below in sections of bold type. The full text of both versions is available at the *BGH Bulletin* website, www.foxBGHsuit.com

— Editor

PART I

Sound: (Milk being poured into glass)

Narration 1: Nature's most nearly perfect food—that's how most of us have always thought of milk...wholesome, nutritious and pure, just like it says on some of the trucks that deliver it. But down on the farm where most of us never see? Some Florida farmers have been quietly squeezing more cash from their cows by injecting them with an artificial growth hormone so they'll produce more milk than nature intended.

Thurman Hatten, Florida Dairy Farmer: Yes, I would say people in Florida are using it.

Jane Akre, Reporter: And you yourself?

Hatten: Aah...

Narration 2: Thurman Hatten is one of many Florida dairy-men reluctant to admit that they're injecting their cows every two weeks...

Hatten: ...it's possible I could be using it.

Narration 3: The drug some Florida farmers don't want you to know they're using is a Monsanto Laboratory version of bovine growth hormone, known as BGH. Here's how it works: when the cow gets injected with extra BGH, it stimulates the production of another hormone called IGF-1. That's really the stuff that speeds up the cow's metabolism, causing her to produce up to 30% more milk. But some scientists like Dr Samuel Epstein are warning that what might be good for the farmers' bottom line might be big trouble down the line for people drinking the milk from treated cows.

Dr Samuel Epstein, Scientist, University of Illinois: ...there are highly suggestive if not persuasive lines of evidence showing that consumption of this milk poses risks of breast and colon cancer.

Reporters were instructed not to include information that details the basis for this frightening claim, leaving viewers unable to meaningfully understand it out of context and likely to just shrug it off as another unfounded "cancer scare" with no legitimate scientific basis whatsoever.

The artificial hormone works by increasing the cow's natural production of insulin-like growth factor (IGF-1). This is what "revs up" the cow, causing her mammary glands to produce more milk. The basis of Dr Epstein's concern—and that of others around the world—is that studies have shown that injecting cows with synthetic BGH causes an increase in IGF-1 levels found in the cow's milk. This is cause for concern because a growing body of evidence points to IGF-1 as a potential cancer promoter known to cause cell proliferation and tumour growth, particularly in the human colon and breast.

Narration 4: Dr Epstein is a scientist at the University of Illinois School of Public Health. He's earned three medical degrees, written eight books and is frequently called upon to advise Congress about things in our environment which may cause cancer.

Reporters were repeatedly instructed to remove information that more completely details Dr Epstein's widely acknowledged expertise. The deliberate omission of those known facts minimises the credibility of this BGH critic and thereby slants the story in favour of the product.

Cancer warnings from "experts" with dubious qualifications have left viewers sceptical of all such claims. It is important for that reason, as well as for proof of responsible documentation, that viewers understand Dr Samuel Epstein's background and qualifications to reach such conclusions as he

voices in the report. But despite his three medical degrees, a professorship of Occupational and Environmental Medicine at the University of Illinois School of Public Health, his frequent congressional testimony as an expert on public health and environmental causes of cancer, his authorship of eight books and countless editorials appearing in some of America's leading newspapers, reporters were repeatedly blocked from describing him more completely.

Original references to him as a "reputable scientist(s)" which was acceptable in Versions 1–3, was later changed to "respected scientist(s)" which was acceptable in Version 11, and then "well-credentialed MD", which was okay in Versions 10–18 until, ultimately,

reporters were told no such reference was acceptable, making him sound like a run-of-the-mill academic with no specific or relevant expertise.

Reporters have located and confirmed more than a dozen independent studies of the artificial hormone, published post-FDA approval. These raise legitimate concerns about the risk of cancer to adults and children who drink milk from cows injected with BGH. Nonetheless, reporters were first instructed to mischaracterise the available research simply as "publicly available at the time of approval". When reporters demonstrated how that mandated language was inaccurate, they were instructed to call it "a body of peer-reviewed research". This is also inaccurate and deliberately misleads the viewer by presenting a distorted picture that fails to report more accurately and fully that many of the troubling findings are from recent research, and that the evidence of a cancer link appears to be growing more clear.

Monsanto, on the other hand, contends the latest research confirms the overall safety of its synthetic hormone. In fact, the research Monsanto most frequently refers to is a study of the synthetic hormone's effects on BGH-treated cows monitored by Monsanto, not people who drink the cows' milk. Reporters were not allowed to make this fact clear in the report.



Jane Akre, speaking at a genetic engineering conference in St Louis, USA. (Photo: Nic Paget-Clarke)



Steve Wilson, addressing the audience in St Louis. (Photo: Nic Paget-Clarke)

Dr Epstein and others, like Dr William von Meyer, point to what they say is a growing body of scientific evidence of a link between IGF-1 and human cancers, which might not show up for years to come.

Dr William von Meyer, Research Scientist: We're going to save some lives if we review this now. If we allow BGH to go on, I'm sure we're taking excessive risks with society.

Reporters were instructed to edit the first sentence of Dr von Meyer's quote, and thus deprive the viewer of the full thrust of his true position and meaning: that further scientific review of this situation could save human lives. Out of proper context, the viewer cannot understand the true possible importance of further review or that it is, in Dr von Meyer's view, an alternative to taking excessive risks.

Narration 5: Dr von Meyer has spent 30 years studying chemical products and testing their effects on humans. He's supervised many such tests on thousands of animals at schools such as the University of London and UCLA. He's headed agricultural, chemical and genetic research at some of America's most prestigious companies. His concerns about BGH have sparked an inquiry by Congressman Scott Klug, who wants to know just how BGH was ever approved for use in this country three years ago [1993], while a dozen European countries, Canada and New Zealand have all blocked the use of it there.

As with Dr Epstein, reporters were pressured to remove any reference to Dr von Meyer's qualifications to question the safety of the product, while being instructed to report Monsanto's contention that "the cancer experts don't see the health issue". Reporters were blocked from including the facts that Dr von Meyer has spent 30 years studying chemical products and testing their effects on humans, has supervised many such tests on thousands of animals at schools such as the University of London and UCLA, and has headed agricultural, chemical and genetic research at some of America's most prestigious companies. Ultimately, reporters were instructed to broadcast a version which reduces the truth about Dr von Meyer to a simple reference to him as "a scientist in Wisconsin".

Monsanto is the giant chemical company which sells the synthetic hormone under the brand name Posilac...and Monsanto has consistently rejected the concerns of scientists around the world.

Dr Robert Collier, Chief BGH Scientist, Monsanto: In fact, the FDA has commented several times on this issue after there were concerns raised. They have publicly restated human safety confidence...this is not something knowledgeable people have concerns about.

Sound: (Calf in pen) Moo!

Narration 6: While other companies have dropped by the wayside, Monsanto has invested a mountain of money into bovine growth hormone. Company sales tapes encourage farmers to use it as a tool to milk more profits out of every cow.

Video clip, Monsanto sales tape: Of course you'll want to inject Posilac into every eligible cow, as each cow not treated is a lost income opportunity.

Narration 7: A number of critics, including at least one state agriculture commissioner, have called it "crack for cows" for the way it speeds up the cow's milk production...but despite its promise of profit, some dairymen say the product doesn't always lead to happy trails for the cows or for those who tend them.

Reporters were repeatedly told this colourful phrase ["crack for cows"] could not be used in a broadcast on Fox Channel 13, to avoid needlessly antagonising a possible plaintiff, Monsanto. Because the quote so accurately describes the effect of the hormone in a non-scientific way viewers can easily understand, reporters persisted by showing evidence of its use by other responsible newspapers such as the *Boston Globe*, *St Louis Post-Dispatch*, *Time* and 11 other publications. Only after reporters located a report of the statement being made by a public official was it allowed to be included. And even then, in a further effort to discourage broadcast of the phrase, reporters were instructed it could not be used unless and until the now-former official was tracked down and could confirm that the eight-year-old quote was accurate and that he still felt that way today! Reporters located the man, now with the USDA in Washington, and obtained the required confirmations.

Charles Knight, Florida Dairy Farmer: It's a tool that can be used, but you better be careful 'cause it can burn you...

Narration 8: Near Wachula, Charles Knight won't use Monsanto's synthetic BGH anymore. He is one of many farmers who say they've watched Posilac burn their cows out sooner, shortening their lives by maybe two years. Knight says he had to replace 75% of his herd due to hoof problems

and serious udder infections. Those are two of more than 20 potential troubles listed right on the product warning label. But apart from potential suffering for the animals, the major concern is how the hormone injected into the cow changes the milk that ends up on our tables.

Dr Robert Collier: ...this is the most studied molecule certainly in the history of domestic animal science.

Despite intense scrutiny of every claim made by those opposing the Monsanto product, reporters were required to include this and other company claims without documentation of accuracy. Experts in the field of domestic animal science say this claim is demonstrably false.

Throughout the process of preparing the various versions of this report, reporters were repeatedly instructed to include unverified and even some outright false statements by Monsanto's dairy research director, whose doctorate degree is in dairy research. Among them:

"...suffice it to say the cancer experts don't see the health issue..."

"Posilac is the single most-tested product in history..."

As with Dr Epstein, reporters were pressured to remove any reference to Dr von Meyer's qualifications to question the safety of the product, while being instructed to report Monsanto's contention that "the cancer experts don't see the health issue".

"He [Dr von Meyer] has no credentials in human safety evaluation."

At the same time, a markedly different standard—actual proof of each and every claim—was applied to statements, even expressions of opinion, made by Monsanto critics. If the higher, tougher standard of verification of their statements and opinions was not met, quotes critical of the product were ordered deleted from the report.

Reporters were also required to exhaustively research the backgrounds of those raising questions about the Monsanto product, while no similar efforts were required to ascertain the expertise of Monsanto company experts, who reporters know to have fewer credentials than some critics.

Narration 9: While that claim may be open to dispute, the Monsanto product did put the product through a decade's worth of testing before it was approved by the FDA's Center for Veterinary Medicine as an animal drug. But that's part of the problem, according to many scientists who say that since BGH alters the milk we drink, it should meet the higher safety standards required of human drugs. The critics say tests on BGH milk that could have answered these concerns about long-term risk to humans were just never done.

Whether there is in fact anything different about a glass of milk you drink from a BGH-treated cow is at the heart of human health concerns about the product. The reporters' research uncovered several studies, including one frequently cited by Monsanto, which indicate that the milk is indeed different. Several have shown that levels of the suspected cancer link IGF-1 are significantly higher in milk from treated cows—up to 20 times higher, according to one study. Other studies confirm higher antibiotic levels in the milk, as farmers inject cows with more drugs to fight BGH-caused infections.

Fox directed reporters to "neutralise" these key facts by reporting that studies show the milk is "affected", as opposed to "altered". Deliberately failing to explain that the "effect" includes a markedly increased level of a known cancer promoter seriously slants this story and misleads the viewer.

Reporters were not allowed to explore the potential inadequacy of BGH testing on the grounds the FDA has already approved it as safe. "Are you [reporters] an expert on the way to test drugs?" counsel asked. "Is [BGH critic Dr William] von Meyer right and the FDA wrong?" Even after reporters provided textbook documentation that animal testing should last two full years to assure human safety from long-term carcinogenicity, this important issue was not allowed to be included in the report.

Citing Monsanto's repeated reminders about the FDA's ultimate approval of the drug, reporters were instructed never to characterise BGH testing as "short-term", nor allow any critic to do so. This further distorts the viewers' true

picture of the adequacy of the testing done before the substance entered their family's milk supply.

Dr William von Meyer: A human drug requires two years of carcinogenic testing and extensive birth defect testing. BGH was tested for 90 days on 30 rats at any dose before it was approved.

Dr Robert Collier: But suffice it to say the cancer experts don't see the health issue, and it's unfortunate the public is being scared by an issue that shouldn't be of concern.

Reporters were instructed to include this claim without contradiction, despite the knowledge by all that it is flatly, demonstrably false. A number of experts in the cancer field—including two who appear in this very report—and countless others who have acted to prevent the product from being sold in at least 17 other countries obviously do see the health issue. Presenting this mis-statement as fact, without pointing to known facts which contradict the statement, is an obvious and serious distortion of the truth.

Reporters were told not to report these blanket government assurances in the context that they are based primarily on Monsanto company studies which never looked at potential chronic, long-term human health effects.

Narration 10: Monsanto's dairy research director points to what the FDA has repeatedly said since the day it approved BGH back in 1993: "The public can be confident that milk and meat from BGH-treated cows is safe to consume." Nonetheless, influential food safety officials from around the world remain unconvinced.

Reporters were told not to report these blanket government assurances in the context that they are based primarily on Monsanto company studies which never looked at potential chronic, long-term human health effects. During a May 27 phone conference, counsel told reporters: "I want you to do exactly as I said. The FDA review says it's safe for humans. I just want a statement. That's what I want for balance."

In fact, whatever counsel's stated motivation, viewers are seriously misled when such claims are presented outside the context of important related facts.

Just last summer, the members of an important United Nations committee again blocked efforts to give a virtual

green light to selling the drug around the world. For the second time in two years, the committee decided synthetic BGH needs more study.

Reporter Jane Akre stand-up: So just how many dairy cows in Florida are being injected with this synthetic hormone? No one knows for sure, but it's enough to virtually assure that at least some of the milk in every jug you bring home from the supermarket these days comes from treated cows.

Clip of consumer protestors chanting: No more BGH, no more BGH...

Narration 11: Tomorrow: how consumers across America have fought to stop the use of the drug...and why here in Florida you can't know if the supermarket milk on your family's table comes from treated or untreated cows.

Sound: (Milk being poured into tall glass)

PART II

Sound: (Cow in field) Mooooo!

Narration 1: You won't find Ol' Flossie and Bossie on Fred Gore's dairy farm in Zephyr Hills. On Fred's farm, all the cows have numbers instead of names—and they're watched by electronic eyes, 24 hours a day.

Fred Gore, Florida Dairy Farmer: ...they help tell me if proper procedures are being followed.

Narration 2: At a modern dairy farm, cows wear transponders that even tell a computer how much milk they gave today.

Farmer Gore: She's giving 121 pounds a day.

Narration 3: In the competitive business of dairy farming these days, productivity is paramount. That's why Fred Gore and others like him were all ears when the giant Monsanto chemical company started promoting its new product called Posilac.

Clip from Monsanto sales tape: Posilac is the single most-tested product in history and it helps increase your profit potential.

Narration 4: Monsanto promised that Posilac—a laboratory version of the cow's natural growth hormone—could get Ol' 2356 and her friends to produce up to 30% more milk. That was good news to Florida farmers, who need all the help they can get in a state where high heat, humidity and little local grain make dairy farming a struggle. The "promise of Posilac" sounded great to dairyman Charles Knight...but he says it didn't turn out that way.

Charles Knight, Florida Dairy Farmer: About the same time, we began having a lot of foot problems with our cows...they got so crippled they couldn't walk.

Narration 5: Right after he started using the drug on his herd near Wachula three years ago, Knight says his animals were plagued with those problems and serious infections of their udders. Troubles he attributes to Posilac eventually caused him to replace the majority of his herd. He says that when he called dairy experts at the University of Florida and at Monsanto, they both had the same response.

Farmer Knight: It was, like, overwhelming because they said, "You're the only person having this problem, so it must be what you're doing here; you must be having management problems."

Narration 6: The University of Florida, by the way, did much of the research on BGH and has received millions in gifts and grants from Monsanto. Knight says neither the university nor the company ever mentioned Monsanto research that showed hundreds of other cows on other farms were also suffering hoof problems and mastitis, a painful infection of the cow's udders. If untreated, the infection can get into the cow's milk, so farmers try to cure it by giving the cow shots of antibiotics...more drugs that can find their way into the milk on your table, which could make your own body more resistant to antibiotics.

Dr Michael Hansen, Scientist, Consumers Union: So for example, if you drank milk that had residues of erythromycin in it, then bacteria in your stomach could pick up resistance to that erythromycin, so that if you came down with an illness you wouldn't be able to use erythromycin to treat it.

Narration 7: Dr Michael Hansen, a scientist with Consumers Union, is not alone in his concern. The investigative arm of

Congress and, more recently, an important group of food safety experts from around the world have raised this very concern related to the use of Monsanto's drug. Even the Posilac label warns: "...use of Posilac is associated with increased frequency of the use of medication in cows for mastitis..." Citing thorough study of the product both before and after approval by the FDA, Monsanto insists there are safeguards in place to detect any potential problem with antibiotics in the milk.

Dr Collier: Not only is every tank truckload tested, but a sample is taken from every bulk tank; that way, if a truck is found to be contaminated, you have to be able to identify which farm it came from.

Narration 8: At the Tampa Dairy Co-op, checks are routine but Co-op officials admit the testing is just not thorough enough to detect the many antibiotics a farmer could use. More complete checks are done by a few grocers and by the state, but only on a spot basis.

Dr Hansen: In fact, there are over 60 drugs that they believe can be used on farms, and they test for a very small percentage of them.

File video of consumer protestors chanting: Boycott BGH, boycott BGH...

Narration 9: Demonstrations against the product when it was approved three years ago showed Americans were not very supportive of injecting dairy cows with synthetic growth hormones. This University of Wisconsin study conducted just last year says 74% of consumers are worried about unknown harmful human health effects of BGH, which might not show up until later. And outside the US, officials in other countries also remain sceptical.

The potential long-term human health effects is the bottom line to the series as a whole. The important concern this series investigates is the suspected link between long-term human consumption of BGH milk and the potential development of cancer. Nevertheless, reporters were repeatedly instructed to camouflage concerns about cancer by not using the word in any script after an initial reference in Part I and substituting "human health implications" as a euphemism, one which most viewers would not link to cancer.

This deliberately misleads viewers by omission, depriving them of information which would let them judge for themselves the seriousness of concern stated by responsible



scientists and others around the world. Again, is the concern a toothache or a tumour?

Dr Collier: There are no human or animal safety issues that would prevent approval in Canada once they've completed their review—not that I'm aware of.

Monsanto's leading BGH expert categorically denies knowing of well-publicised human health concerns in Canada where the product is unapproved. Reporters were instructed to minimise this expert's denial by slanting the broadcast to state that he "downplayed" Canadian concern, as opposed to accurately reporting the Canadian concern is "a fact Dr Collier denies".

Narration 10: But long-term human safety is exactly the concern expressed by a Canadian House Committee on Health. Here are the minutes of a 1995 meeting, where members voted to ask Canada's Health Minister to try to keep BGH off the market for at least two more years. Why? "...to allow members of Parliament to further examine the human health implications" of the drug. It's still not legal to sell the unlicensed product north of the border, despite the company's efforts to gain the approval of government regulators.

Sound: Monsanto, Canada, whose representative allegedly raised the subject of money...

Narration 11: In the fall of 1994, Canadian television quoted a Canadian health official as reporting Monsanto offered \$1–2 million if her government committee would recommend BGH approval in Canada without further data or studies of the drug. Another member of her committee, who was present when Monsanto made the offer, was asked: "Was that a bribe?"

File video clip of CBC documentary, CBC correspondent to committee member: Is that how it struck you?

Dr Edwards: Certainly!

Jane Akre on camera: Monsanto said the report alleging bribery was "a blatant untruth", that Canadian regulators just didn't understand the offer of the money was for research. Monsanto demanded a retraction. The Canadian Broadcasting Company stands by its story.

Narration 12: Elsewhere, New Zealand and a dozen other countries—all members of the European Union—are also unconvinced about BGH. The product has been banned in Europe at least until the year 2000. Could scepticism about the safety of BGH around the world be fuelled by memories of earlier Monsanto products?

Dr Hansen: Monsanto has a very chequered history with some of its other products...

Narration 13: Dr Michael Hansen of Consumers Union is another American scientist still very sceptical about BGH. He says Monsanto was wrong years ago when it convinced the government PCBs were safe. Those were put inside electrical conductors for years...until researchers in Japan and Sweden showed serious hazards to human health and the environment.

And you've heard of Agent Orange, 2,4,5-T, the defoliant used in Vietnam? Monsanto convinced the government that it, too, was safe. It was later proved to be extremely harmful to humans...and a government investigator found what she said was

"a clear pattern of fraudulent content in Monsanto's research" which led to approval.

In the case of BGH, Monsanto was required to promptly report all complaints from farmers. Florida dairyman Charles Knight says he was complaining loud and clear that Posilac was decimating his herd...but four months later? He found that the company had not passed one of his complaints to the FDA as required.

Charles Knight, Florida Dairyman: ...so how many more hundreds of complaints out there sat and were not registered with FDA?

Narration 14: Monsanto admits a long delay in reporting Knight's complaints. A company spokesman claims that despite a series of on-farm visits and telephone conversations with Knight, it took four months for them to understand he was complaining about BGH. As for those safety claims for previous Monsanto products that turned out to be dangerous, the company offered no comment. But back now to the dairy co-op here in Tampa and the use of synthetic BGH by local farmers.

A Florida dairyman told reporters—and Monsanto later confirmed—that the company failed to make reports to government officials about adverse BGH reactions in cattle. Those reports were required as part of the research which led to US government monitoring.

The reporters' investigation also uncovered an EPA investigative report that concluded Monsanto showed "a clear pattern of fraudulent content" in the research that led to approval of its product, dioxin, years ago. Reporters felt this was a fact directly relevant to helping viewers determine Monsanto's credibility in

making its claims about its latest product, BGH.

Reporters were instructed to ignore the company's previous withholding of scientific data and not to compare it to what happened in the Knight case, for fear of appearing to be "building a case against Monsanto". Though undeniably true, Fox feared a claim of "defamation by implication", a matter that could not be won by summary judgement.

Reporters were told that if not winnable at summary judgement, the facts were not reportable on Fox 13: "The point you [reporters] don't get is it's not whether the facts are true, it's the way we present them. Summary judgement is my standard; those are my marching orders," reporters were told on May 29 [1997]. "I don't decide what goes on the air; [Fox General Manager] Dave Boylan does, and he wanted this one to go away," counsel claimed.

Reporter Jane Akre to Riley Hogan, Tampa Dairy Co-op: Have you ever got a communication from a grocer or processing plant asking your members not to use it?

Riley Hogan: No, ma'am.

Narration 15: When we continue tomorrow, you'll see the man who controls much of Florida's milk supply admit how local supermarkets did once try to avoid milk from Florida cows injected with BGH. We'll show you exactly how their plan didn't work...and we'll reveal how the dairy industry has kept this issue so quiet for so long. It's only an issue if you make it an issue!

(Source: This article is edited from material posted on the BGH Bulletin website, <http://www.foxBGH.suit.com/>.)

"The point you [reporters] don't get is it's not whether the facts are true, it's the way we present them."

US FINANCES ETHNIC WAR IN THE BALKANS

***The US, the UN
and NATO are
accomplices in
escalating a new
round of terrorism
and ethnic warfare
in Kosovo and
Macedonia, partly
funded by
narcodollars.***

**by Michel Chossudovsky ©
March 2001**

Professor of Economics
University of Ottawa
Canada

Fax: +1 (514) 425 6224

Email: chossudovsky@videotron.ca

[The] United States of America and the Kosovo Liberation Army stand for the same human values and principles... Fighting for the KLA is fighting for human rights and American values.

— Senator Joseph Lieberman, quoted in the *Washington Post*, April 29, 1999

While Washington supports the former Yugoslav Republic of Macedonia, it is at the same time, behind the scenes, funnelling money and military hardware to the Kosovo Liberation Army (KLA), now engaged in a border war with the Macedonian Security Forces.

In a cruel irony, Washington is arming and advising both the KLA attackers and the Macedonian defenders under military and intelligence authorisation acts approved by the US Congress. Military Professional Resources Inc. (MPRI), a mercenary outfit on contract to the Pentagon, is helping Macedonia—as part of a US military aid package—"to deter armed aggression and defend Macedonian territory". But MPRI is also advising and equipping the KLA, which is responsible for the terrorist assaults. In this war, the American military-intelligence apparatus is pulling strings "on both sides of the fence". What is the hidden agenda?

The Kosovo Liberation Army (KLA), transformed in September 1999 into the Kosovo Protection Corps (KPC) under UN auspices, is behind the terrorist attacks in the Tetovo region of Macedonia as well as in southern Serbia. In Macedonia, these assaults are waged by the KLA's proxy: the Ushtira Clirimtare Komtare (UCK) or National Liberation Army (NLA). The terrorists operate from KLA bases inside Kosovo under KFOR protection.

Supported by the US, the KLA and its various proxies are well equipped. According to Carl Bildt (special UN coordinator for the Balkans), the Macedonian Security Forces "are no match" for the rebels: "...the guerrillas are a competent military organization... They have a core of very experienced fighters. They are well fortified, evidently well prepared, and in all probability they control substantial parts of the hinterland."

But where did they get the money? The Western media convey the impression that the National Liberation Army (NLA) developed into a modern rebel force overnight, spontaneously "out of thin air" and that NATO leaders have no contacts with the KLA.

UN PEACEKEEPING FINANCES TERRORISM

According to the London *Sunday Times*, "American intelligence agents have admitted they helped to train the Kosovo Liberation Army before NATO's bombing of Yugoslavia".¹ A review of US congressional documents would suggest that CIA support was not discontinued after the war.²

Moreover, while the KLA maintains its links both to the CIA and criminal syndicates involved in the Balkans narcotics trade, the paramilitary organisation—renamed the Kosovo Protection Corps (KPC)—has been elevated to UN status, implying the granting of legitimate sources of funding through the United Nations as well as through bilateral channels.

Procurement of military supplies, training of the KLA and provision of military advisers have been entrusted to MPRI. The pattern is similar to that followed in Croatia and in the Bosnian Muslim–Croatian Federation where so-called "equip and train" programs were put together by the Pentagon.

MPRI's training concepts, which had already been tested in Croatia and Bosnia, are based on imparting "offensive tactics...as the best form of defence".³ In the Kosovar context, this so-called "defensive doctrine"—applied in terrorist assaults in southern Serbia and Macedonia—is intent upon transforming the KLA paramilitary into a modern military force that serves the Alliance's strategic objectives. In 1999, MPRI listed "ninety-one highly experienced, former military professionals working in Bosnia & Herzegovina".⁴ The number of military officers working on contract with the KLA has not been disclosed.

There is, however, a consistent thread. KLA Chief of Staff Agim Ceku (previously with the Croatian Armed Forces) has been involved in a long-term relationship with the MPRI. Ceku started working with MPRI in 1995 in the planning of Operation Storm in Croatia, which led to ethnic massacres and the expulsion of more than 200,000 Serbs from the Krajina region of Croatia. The fact that Ceku is "an alleged war criminal"—according to the files of the Hague Tribunal, a body reporting to the UN Secretary-General—does not, however, seem to bother anybody in the "international community".⁵

Ceku holds a UN passport (*laissez-passer*), which provides him with diplomatic immunity within Kosovo. According to ICTY prosecutor Carla del Ponte, Ceku's reputation and integrity are unstained, however, because the Hague Tribunal's "inquiries...relate to atrocities committed [by Ceku] in Krajina...between 1993 and 1995... Ceku's record in Kosovo itself is not thought to be in question".⁶

Behind the polite façade of international diplomacy, UN Secretary-General Kofi Annan has knowingly and wilfully approved—on Washington's instructions—the appointment of "an alleged war criminal" to participate in a UN peacekeeping operation. In other words, the UN system is "financing terrorism", creating an ugly precedent in the history of a respected international body: "The United Nations is paying the salaries of many of the gangsters" who are now involved in the terrorist assaults into Macedonia.⁷

RECYCLING NARCODOLLARS

US support to the KLA is only one among several sources of KLA financing. Various Islamic organisations have channelled money and military equipment to the KLA. Prior to the 1999 war, "German, Turkish and Afghan instructors were reported to be training the KLA in guerrilla and diversion tactics".⁸

Mujahedin mercenaries recruited in a number of countries fought against Serb Security forces alongside the KLA in Kosovo. According to the *Sunday Times*, the recent assaults by the KLA's proxy in the Tetovo region of Macedonia have been "encouraged by mercenaries from Afghanistan and Saudi Arabia".⁹

Amply documented, the Balkans drug trade is used to finance ethnic warfare with the complicity of the US and NATO. The pattern of covert support—through the recycling of narcodollars—has been an integral part of CIA covert operations since the Soviet-Afghan War.

According to documents of the US Drug Enforcement Administration (DEA), "members of the notorious Albanian mafia have links to a drug-smuggling cartel" based in Kosovo's capital, Pristina. This cartel is allegedly manned by ethnic Albanians who are members of the Kosovo National Front (KNF), whose armed wing is the KLA. The DEA documents apparently show it is one of the "most powerful heroin-smuggling organisations in the world", its profits being diverted to the KLA to buy weapons.¹⁰

In the words of former DEA agent and author Michael Levine: "Ten years ago we were arming and equipping the worst elements of the Mujahedin in Afghanistan—drug traffickers, arms smugglers, anti-American terrorists. Now we're doing the same thing with the KLA, which is tied in with every known Middle and Far Eastern drug cartel. Interpol, Europol and nearly every European intelligence and counter-narcotics agency has files open on drug syndicates that lead right to the KLA, and right to Albanian gangs in this country."¹¹

While US aid—combined with drug money—is channelled to the KLA, Washington and Brussels perfunctorily condemn the NLA Tetovo—instigated terrorist assaults while casually denying the links of the attackers to the KLA. In the words of former NATO Secretary-General Javier Solana: "...it would be a mistake to negotiate; the terrorists have to be isolated. All of us have to condemn and isolate them. Nothing can be achieved through violence..."

NATO has pledged to "starve" the rebels by cutting supply lines from neighbouring Kosovo.¹² While condemning the terrorists, NATO—through the UN—has also been "raising the urgent need for restraint by the Macedonian forces".¹³

This double-talk is of course a form of political camouflage: you say that you are against the terrorists, and then support them via the KLA with guns, ammo and military advisers paid by the US public purse.

FINANCING BOTH SIDES

But there is something else even more terrifying that has not been revealed to public opinion. The guerrilla war in the Tetovo region of Macedonia is being financed and therefore controlled by Washington on "both sides" of the border. While Washington pumps money into the KLA, the FYR of Macedonia (which has been an obedient client state) is also the recipient of US military aid and training. Macedonia is a member of NATO's Partnership for Peace (PfP) program and aspires to acquire full NATO membership.

The same group of US military advisers on contract with the KLA is also "helping" the Macedonian Armed Forces. The MPRI—while assisting the KLA in its terrorist assaults—is also present behind enemy lines in Macedonia under a so-called Stability and Deterrence Program. The latter is intent upon "assisting the Macedonian Armed Forces...to deter armed aggression and, should deterrence fail, defend Macedonian territory".¹⁴ What is happening is that the US mercenary company with a mandate "to defend the border" is also advising the KLA on how best "to attack the border".

But there is something else even more terrifying that has not been revealed to public opinion.

The guerrilla war in the Tetovo region of Macedonia is being financed and therefore controlled by Washington on "both sides" of the border.

Is this not crystal clear? The military-intelligence ploy is to finance both sides of the conflict, provide military aid to one side and finance the other side. And then "make them fight". It's a sinister military-intelligence game, an "insider operation" with US military advisers on both sides from the same mercenary outfit (the MPRI). Macedonia's Stability and Deterrence Program is in fact largely supported by US foreign military sales (FMS); namely, MPRI is in charge of delivering to (i.e., dumping on) the Macedonian Armed Forces obsolete weapons and hardware that the US Department of Defense wants to get rid of.

Moreover, with its various sources of financing (drugs, Islamic organisations, US military aid, contributions from the US-Albanian community), the KLA and its Macedonian proxy, the Ushtria Clirimtare Komtare, have the upper edge. The money channelled from various sources, including the drug trade, far exceeds the meagre FMS allocations granted in the form of surplus military equipment to the Macedonian Ministry of Defence.¹⁵

The friendly and cordial meetings held in Skopje in July 2000 between General Henry H. Shelton, Chairman of the US Joint Chiefs of Staff, and his Macedonian counterpart, General Jovan Andrevski, constitute an obvious smokescreen. While America's top brass pays lip service to its PfP partner and ally, the KLA—with the support of the Albanian-American community—is actively recruiting US citizens to fight as volunteers against the Macedonian Security Forces.¹⁶

Bear in mind that this pattern of "financing both sides" is not limited to the Balkans. Since the end of the Cold War, Washington has been involved in channelling covert financing and triggering civil conflicts in different parts of the world including Central Africa, the Caucasus and Central Asia. By financing both sides of the conflict, the US controls the outcome of the war.

MPRI OVERSEES THE SHOW

MPRI, which recruits a wide range of military and intelligence expertise from its databank of former military personnel, is controlled by a handful of former generals and ex-CIA officers.

General Rich Griffiths (Retired), responsible for MPRI's program in Macedonia, talks to the Macedonian Chief of Staff. He also talks to KLA Commander Agim Ceku, with whom he has had a longstanding relationship since Operation *Storm* in Croatia in 1995. Ceku is part of the MPRI's "old boys' network". In collaboration with MPRI, he was one of the main architects of Operation *Storm*. In this capacity, he also acted as commander of the artillery division, which ruthlessly shelled Krajina Serb civilians.⁷

Whether MPRI personnel stationed in Kosovo are in direct contact or communication with their colleagues in Macedonia is not the issue: all MPRI military staff in the field report back to Rich Griffiths, Crosbie Saint and Carl Vuono (President of MPRI) at the company's headquarters in Alexandria, Virginia, USA.

Crosbie Saint, in charge of the company's "International Group", coordinates MPRI's various operations in Kosovo and Macedonia as well as in Croatia and Bosnia. In turn, Saint, who is a former director of military intelligence, is in permanent contact with the Pentagon, KFOR and the CIA.¹⁸

THE HIDDEN AGENDA

So what kind of war is this? Both sides in the Macedonia border war are controlled by the US. American military personnel from the same private mercenary company are stationed on "both sides of the fence", assisting their local counterparts to fight a war on Washington's behest.

If this war is allowed to continue, it will inevitably lead to the escalation of ethnic hatred, civilian casualties and refugee numbers. This in turn will result in political destabilisation and social unrest in both Macedonia and Yugoslavia, thereby providing a pretext to Washington and NATO to intervene directly under the guise of "peacekeeping" and "confidence building". Also included in the hidden agenda is the mobilisation of ethnic Albanians in

Macedonia to support or become part of the KLA's structure.

In other words, Washington is "financing ethnic warfare" as a means to achieve broad geopolitical, strategic and economic objectives using the KLA as a proxy force.

Meanwhile, the "international community", warning of an impending "humanitarian disaster", has sent in an army of observers and human rights experts with a mandate to protect the political and social rights of ethnic Albanians. This brokered "reconciliation"—imposed by NATO under UN auspices—is based on the premise that ethnic Albanians in Macedonia are an oppressed social minority. It not only fosters socio-ethnic divisions within Macedonia; it also provides legitimacy to the KLA-sponsored "freedom fighters" as well as international media sympathy. It tends to discredit the Macedonian Security Forces, thereby weakening their ability to fight the KLA.

Since the end of the Cold War, Washington has been involved in channelling covert financing and triggering civil conflicts in different parts of the world including Central Africa, the Caucasus and Central Asia.



While Washington continues behind the scenes to support the terrorists, the military alliance presents itself as an impartial mediator. In turn, NATO's informal mouthpiece, the Organisation for Security and Cooperation in Europe (OSCE), is placing the blame on the Skopje government, calling upon "the legal authorities in the FYR of Macedonia, Presevo and Kosovo to act to restore peace and security ... all sectors of the Macedonian society [should] co-operate peacefully and...build inter-ethnic confidence".¹⁹

The dispatching of Bulgarian troops into Macedonia (under NATO's Partnership for Peace program) to fight the rebels could, if implemented, contribute to triggering a much broader conflagration in the region. Similarly, ethnic clashes—also engineered by Washington—have been triggered in Montenegro, which has a sizeable Albanian ethnic minority. And in Montenegro, the MUP, Montenegro's highly partisan police force, is being assisted by the Croatian Armed Forces, who in turn are being trained by the MPRI under the so-called Croatian Armed Forces Readiness and Training System (CARTS). Likewise, demanding "autonomy" for ethnic Hungarians in the north of Vojvodina is part of NATO's ploy, with large numbers of NATO troops stationed on the Hungarian side of the border. More generally, the various military aid packages provided to Croatia, Bosnia and the KLA are ultimately directed against Serbia.²⁰

Despite the compliance of the Belgrade and Skopje governments to Washington's demands, US foreign policy purports to eventually dismantle political institutions and get rid of political parties that resist US–NATO domination. Their objective is eventually to break up what remains of Yugoslavia into what UN Balkans envoy Carl Bildt has called a "patchwork of protectorates" on the "Kosovo–Bosnia model" under UN "peacekeeping"—namely, under military occupation.²¹

A Dayton-style agreement is the chosen framework for displacing and destroying existing state institutions including a fragile yet functioning parliamentary system. With regard to Macedonia, the OSCE has appointed Ambassador Robert Frowick to work with the Skopje government. His terms of reference are clear. In 1996, Frowick was put in charge of implementing "democracy" in Bosnia–Hercegovina under the Dayton Agreement; the Bosnian "Constitution"—previously drafted by American lawyers at the US Air Force base in Dayton, Ohio—was appended to the 1995 US-brokered General Framework Agreement.²²

DISARMING THE NEW WORLD ORDER

The terrorist assaults in Macedonia and southern Serbia are serving Washington's strategic goals in blatant violation of international law. NATO is increasingly discredited in the eyes of world public opinion. The lies and falsehoods are surfacing and the people of Yugoslavia are determined to preserve their sovereignty in the face of American aggression.

US foreign policy directed against so-called "rogue states" lacks credibility both in the US and internationally. Around the world, citizens are looking to Yugoslavia and the courage of its people who have resisted the imposition of the New World Order. The lies concerning the war against Yugoslavia have been uncovered and revealed to millions of people.

About the Author:

Michel Chossudovsky is Professor of Economics at the University of Ottawa, Canada, and is author of *The Globalization of Poverty* (Common Courage Press, 2001). He can be contacted by fax on +1 (514) 425 6224, or by email at chossudovsky@videotron.ca. The text of this article, originally titled "Washington Finances Ethnic Warfare in the Balkans", can also be found on the Emperor's Clothes website, <http://emperors-clothes.com/articles/choss/fin.htm>.

Endnotes

1. See Tom Walker and Aiden Lavery, "CIA Aided Kosovo Guerrilla Army", *Sunday Times*, London, March 12, 2000.
2. See "Intelligence Authorisation Act for Fiscal Year 2000", HR 1555, Section 308, entitled "Report on Kosova Liberation Army", available at <http://www.senate.gov/search/index.html>.
3. See Tammy Arbutki, "Building a Bosnian Army", *Jane's International Defence Review*, August 1997.
4. See Military Professional Resources, Inc, "Personnel Needs", MPRI web page at <http://www.mpri.com/>.
5. See Michel Chossudovsky, "United Nations Appoints Alleged War Criminal", *Emperor's Clothes*, March 2000, <http://emperors-clothes.com/articles/chuss/unandthe.htm>.
6. See Tom Walker, "Kosovo Defence Chief Accused of War Crimes", *Sunday Times*, London, October 10, 1999.
7. Quoted in John Sweeney and Jen Holsoe, "Kosovo Disaster Response Service Stands Accused of Murder and Torture", *Observer*, London, March 12, 2000.
8. See Michel Chossudovsky, "Kosovo Freedom Fighter Financed by Organized Crime", *Covert Action Quarterly*, Fall 1999; also published by Emperor's Clothes, <http://emperors-clothes.com/indexe.htm>.
9. See Tom Walker, "NATO Troops Caught in a Balkan Ulster", *Sunday Times*, London, March 18, 2001.
10. This is according to DEA documents reviewed and quoted in R. Chandran, "US-backed KLA Linked to Heroin Network", at <http://www.voz-rebelde.de/ipan51.htm>. See also Michel Chossudovsky, "Kosovo Freedom Fighters Financed by Organized Crime".
11. Quoted in *New American Magazine*, May 24, 1999.
12. Quoted in *New York Times*, March 20, 2001.
13. United Nations Interim Administration Mission In Kosovo (UNMIK), Press Release, March 29, 2001.
14. See MPRI web page, http://www.mpri.com/subchannels/int_europe.html.
15. US military aid under the FMS program for Macedonia was \$4 million in FY 2000; \$7.9 million was appropriated for 2001. More recently, the US announced a \$13.5-million military aid package. See Government of Macedonia, Ministry of Defence, Communiqué, March 21, 2001; Congressional Budget Justification for Foreign Operations, Fiscal Year 2001, Released by the Office of the Secretary of State, Resources, Plans and Policy, US Department of State, March 15, 2000.
16. *New York Times*, March 19, 2001.
17. See Michel Chossudovsky, "NATO has Installed a Reign of Terror in Kosovo", July 1999, <http://emperors-clothes.com/indexe.htm>.
18. See MPRI web page, op. cit.
19. Statement by OSCE Parliamentary Assembly President Severin on former Yugoslav Republic of Macedonia and Kosovo, March 23, 2001, at http://www.osce.org/news/generate.php3?news_id=1563.
20. See Michel Chossudovsky, "The War Against Yugoslavia Is Not Over", June 2000, at www.emperors-clothes.com/articles/chuss/warnot.htm.
21. See Carl Bildt's statement at http://www.usip.org/oc/cibriefing/bildt_cib.html. Bildt was the High Representative in Bosnia following the adoption of the Dayton Agreement in 1995.
22. For a discussion, see Michel Chossudovsky, "Dismantling Yugoslavia, Recolonizing Bosnia", *Covert Action Quarterly*, Spring 1996; also published by Emperor's Clothes at <http://emperors-clothes.com/indexe.htm>. The text of the Bosnian Constitution is available at <http://www.bosnia.co.uk/dayton.html>.

THE HEALING POWER OF FULL-SPECTRUM LIGHT

*Good health can
be maintained
and many disease
conditions
alleviated with
adequate
exposure to full-
spectrum light.*

by Joseph G. Hattersley
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7031 Glen Terra Court SE
Olympia, WA 98503-7119, USA
Telephone: +1 (360) 491 1164
Email: josephhattersley@aol.net
Website: [www.angelfire.com/wa/
jhattersley/content.html](http://www.angelfire.com/wa/jhattersley/content.html)

[Editor's Note: This article refers to several research studies involving animals. We wish to advise that NEXUS does not condone animal experimentation or vivisection.]

ULTRAVIOLET LIGHT: MYTHS AND FACTS

America has a phobia, an irrational fear, about ultraviolet (UV) light. In a new science fad, unwise practices are being urged on us. The resulting sickness and misbehaviour will mystify yet enrich physicians, psychiatrists, dentists and criminal specialists as well as pharmaceutical drug companies.

In too many scientific and medical fields, for a lot of researchers the truth is defined only in relationship to the next grant, peer pressure and the fight to further an entrenched view. This essentially political process goes on despite any—in this case very strong—evidence to the contrary.¹ Much "science" research is known to be fraudulent.^{2,3} Such a flow of funded research almost exclusively in one direction is characteristic of potentially dangerous science fads. Almost all "scientists" are out to prove something so as to continue their careers; to them, finding the truth is only secondary.

UV intensity is now forecast in population centres daily. The US Environmental Protection Agency (EPA) suggests that when outdoors we should "protect ourselves against ultraviolet light whenever we can see our shadow". And many physicians give their patients the same warning. This is *terrible* advice. If man were a machine, a doctor could repair or replace one part without worrying about the rest of the contraption. Man is no machine, but more like a web or hologram. Every organ and every part affects all the other parts; in fact, cells in every part communicate with all the other parts.⁴

As a result of the EPA's kind of advice, which is based on junk science, the use of sunglasses is epidemic; we hide behind stylish darkened car windows, we slather our skin with sunscreen for even brief sun exposure. People who engage in these practices are ruining their disposition⁵ and health.

The phobia arose after investigators anaesthetised animals, propped their eyes open and shined intense UV light into them; this damaged their retinas. Excessive exposure to one kind of ultraviolet (shorter-wave, germicidal UVC) can damage tissue. But the EPA makes the ridiculous leap from that truth to the conclusion that we should avoid *all* UV. UVC is not present increasingly in sunlight; a purported thinning of the protective ozone layer has been debunked (see below). UVC is found in tanning salons and halogen lamps.⁶ In fact, the trace amounts of UV radiation in natural daylight are required for physical and mental health, civilised behaviour, muscle strength, energy and learning.⁷ Sunlight, in moderation, improves immunity and stimulates our metabolism while decreasing food craving, and increases our intelligence.

• Ozone Hole Danger Disproved

The following passages and references are from Richard Hobday's book, *The Healing Sun: Sunlight and Health in the 21st Century*.⁸

"There have been no increases in skin cancer, eye diseases, immune system disorders or environmental damage which can be attributed to an increase in ultraviolet radiation. The largest South American city close to the Antarctic ozone hole is Punta Arenas in southern Chile. Despite reports to the contrary, there have been no ozone-related health problems at Punta Arenas, and measurements of ultraviolet radiation show that any increases are too small to have any appreciable effect."⁹

"A paper published in 1998 by the European Science and Environmental Forum challenges the consensus view on ozone depletion, and argues that predictions made by the scientific establishment and the media have been ill-founded.^[10] If this is the case, and the hole in the ozone layer is, after all, a temporary thinning of the upper atmosphere in the early spring, then there is no reason to fear that people will develop skin cancer because ultraviolet radiation has become more dangerous.

"There is certainly no evidence to support the widely held view that the increase in malignant melanoma in recent years is in some way linked to ozone depletion. The trend predates the issue of ozone loss, which may have been going on for some time before it was noticed. A paper published in the *British Journal of Cancer* shows that from 1957 to 1984 the incidence of malignant melanoma in Norway increased by 350 per cent for men and 440 per cent for women. During the same period there was no change in ozone levels over Norway, nor any significant change in annual exposure to ultraviolet radiation from the Sun.^[11] Scare stories, such as the one about sheep in Chile developing cataracts because of increased ultraviolet radiation, are not supported in the scientific literature. The sheep in question were later found to have had an infectious disease, and sunlight was not implicated.^[12, 13]

"What is clear, however, is that there is a great deal of ill-informed comment on the subject of ozone depletion and, for that matter, sunbathing. Should depletion of the ozone layer ever become a cause for real concern, then some people might develop cancer who might not have, had there been no depletion, but until this happens there is much more to be gained from investigating the real causes of skin cancer and encouraging safe sunbathing than in being preoccupied with the state of the Earth's upper atmosphere and blaming everything on the Sun. Diet and lifestyle play a far more significant part in the genesis of cancer than is currently recognised. The same can also be said about another condition that is supposed to be on the increase because of ozone depletion—that of senile cataract."

Note that even low exposure to UVB significantly increases the risk of cataracts,¹⁴ but only with the consumption of a Western junk food diet rich in unsaturated fats and their oxidised products.^{15, 16} Those (including myself) who consume a more sensible diet, and supplement it with vitamins C and E, do not get cataracts even from lengthy sun exposure.^{17, 18}

PHOTOBIOLOGY

Starting from a high-school hobby of time-lapse photography, the late John N. Ott, DScHon,¹⁹ founded the new science of photobiology. He was active into his tenth decade.

Dr Ott's last book, one of many publications, is *Light, Radiation and You: How to Stay Healthy* (1990).²⁰ In it he wrote: "Mankind adapted to the full range of the solar spectrum, and artificial distortions of that spectrum—malillumination, a condition analogous to malnutrition—may have biologic effects." In an interview published in 1991, he noted: "There are neurochemical channels from the retina to the pineal and pituitary glands, the

master glands of the whole endocrine system that controls the production and release of hormones. This regulates your body chemistry and its growth, all organs of your body, including your brain, and how they function."²¹

The critical reader will ask: where are the controlled, scientific tests supporting Dr Ott's statements? The answer to that question is: who can make money promoting sunlight? Think about it.

I. Ultraviolet Deprivation Health Effects

First, let's consider the health effects of ultraviolet deprivation.

• Indoor Lighting and Melanoma

Malignant melanoma is often alarmingly but wrongly blamed on sun exposure. The dangerous kind, called skin cancer, is ultimately fatal if not corrected. A study by the US Navy found the most melanoma in people who worked indoors all the time. Those who worked both outdoors and indoors some of the time had the lowest incidence. Also, most melanomas appeared on parts of the body that are seldom exposed to sunlight.²³ The inference is that both very high and very low exposures to UV light can be harmful—and moderate exposure is healthful.²⁴

• Sunscreens and Melanoma

Sunscreens block out only UVA and UVB, which we all need in trace amounts, but not the potentially dangerous, germicidal UVC. No commercial sunscreens have been proved safe.²⁵ Their chemicals penetrate the skin into the circulation and add to the burden of toxins to be detoxified.²⁶ Commercial sunscreens increase the risk of melanoma by causing mutations when the cells' chromosomes interact with the chemicals and the light.²⁷ Natural sunscreens, as well as commercial ones, curtail needed uptake of vitamin D3 from UVB, increasing the risk of

the bone-thinning disease osteoporosis.

Moreover, Lita Lee, PhD, notes: "Mounting evidence indicates that many of them [sunscreens] contain carcinogens and that the rise of skin cancers parallels the increase in sunscreen usage. The only sunscreen I recommend is coconut oil, although, believe me, you *cannot* slather this oil on your skin and bake in the sun all day. Adding a little iodine to the coconut oil for the first week of summer gives added protection; however, do not use the iodine for more than a week, as continued use will inhibit your thyroid function. In my opinion, the only other safe (non-carcinogenic) sunscreen would be one containing titanium dioxide."²⁸

• Fluorescent Lighting and Melanoma

A study published in the prestigious medical journal *Lancet* and a Russian study found that *fluorescent* light rather than sunlight promotes melanoma, proportionately to the time of exposure.^{29, 30} In the *Lancet* study, among a sample of nearly 900 women, those who worked indoors under fluorescent lighting had 2.1 times higher melanoma risk (95% confidence interval, CI, 1.32 to 3.32) than others. Among women exposed for 20 years or more, the relative risk (RR) was 2.6 (95% CI, 1.2 to 5.9). Relative risks were lower in women who had been most heavily exposed to sunlight,

Two hours of bright light in the evening can sometimes cure symptoms such as weight gain, depression, carbohydrate craving, social withdrawal, fatigue and irritability.²²

both playing outdoors as children and sunbathing as adults. In a smaller sample of men, the RR for fluorescent lights with 10 or more years' exposure was 4.4; and for those who had spent the least time in the sun while children, the RR was 7.3.

And so we see that lengthy exposure to full-spectrum sunlight, including trace UV, partially "immunised" both men and women against later development of melanoma. These exposures had taken place in the 1960s and 1970s, before the supposed thinning of the protective ozone layer far above us. But as we saw earlier, UV penetration of the atmosphere has not increased.^{31,32}

All this thoroughly explodes the claim that sun exposure causes malignant melanoma.

In the 19 years since publication of Beral's carefully researched article in the *Lancet*, no one has refuted the finding. But many ignore it and could make more money if the article and its information would simply go away.

Why do fluorescent lights cause melanoma? "Emissions from such light extend into the potentially carcinogenic range."³³

Dr Ott found that, specifically, the cathodes located at the ends of the light tubes emit X-rays and other electromagnetic pollution. Plants living under the central portion of long fluorescent light tubes grow normally; but when placed close to the ends of the tubes, their growth is abnormal and stunted. Laboratory animals placed in a cage close to the ends of these light tubes become aggressive and cannibalistic.

Dr Ott also found that the light from fluorescent tubes, as well as TV sets and computer terminals, causes red blood cells to clump together after prolonged exposure. This reduces alertness, promotes a tired feeling and increases the risk of heart attack and stroke.³⁴ But when the ends of the light tubes are shielded with lead and traces of UV are added to the light, plants and animals under them grow and function normally.³⁵ And so wrapping the ends of fluorescent light tubes with lead tape, says Dr Ott, is fully as important as full-spectrum light itself.³⁶

Melanoma can also result from excessive exposure to sunlamps;³⁷ their rays and those from bright halogen lights include some of the dangerous UVC.³⁸ If users of sunlamps consume a junk diet, their risk of melanoma will be increased. Halogen lamps are also a serious fire hazard if they fall over or if inflammable material touches the extremely hot bulb.^{39, [40]}

• Chlorination and Melanoma

Drinking and swimming in chlorinated water can also cause malignant melanoma.^{41,42,43,44} Sodium hypochlorite, used in chlorination of water for swimming pools, is mutagenic⁴⁵ in the Ames test and other mutagenicity tests.^{46,47} Redheads and blonds are disproportionately melanoma-prone; their skin contains a relative excess of pheomelanins⁴⁸ compared to darker people.⁴⁹

Franz H. Rampen and his associates in The Netherlands state that the worldwide pollution of rivers and oceans and the chlorination of swimming pool water have promoted an increase in melanoma.^{50,51,52}

Another major factor in the increase in reported incidence of melanoma has been physicians' continually relaxing their standards for what constitutes melanoma.

• Synthetic Hormones and Melanoma

What about oral contraceptives and hormone replacement therapy (HRT)? Melanomas have increased sharply among women in the principal Pill-taking countries of Australia, America and in Europe. In the Walnut Creek (California) study, all the women who developed melanomas under the age of 40 had used the Pill. By 1981, the overall increased melanoma risk for Pill-users was statistically significant at three times.⁵³ The Pill also promotes development of heart attacks, in part by depleting body stores of vitamin B6.⁵⁴

Further, like breast cancer cells, those tumours have oestrogen receptors. And so women on HRT are more likely to develop melanomas than non-users. A recent study of 52,705 women on HRT found that the risk of breast cancer increases by 2.3 per cent for each of the 11 years the average woman takes HRT. The good news is that the effect diminishes on stopping it and disappears after about five years. The authors comment: "These findings should be considered in the context of the benefits and other risks associated with the use of HRT."⁵⁵ Others challenge the assumption that HRT provides benefits.^{56,57,58}

II. Ultraviolet Deprivation Health Effects

Certain effects of ultraviolet deprivation are equally remarkable and tie together with health benefits.

• FS Light & Childhood Health

In 1973, radiation-shielded full-spectrum (FS) lights were installed in five classrooms in Sarasota, Florida. And what happened? Several extremely hyperactive, learning-disabled children calmed down completely and learned to read. Absenteeism dropped. The children in four standard-lit rooms continued to misbehave (as tracked by concealed motion-detecting cameras); their learning disabilities and absenteeism were unabated.⁵⁹ And after a year, students in the full-spectrum classrooms had one-third

less tooth decay than those taught under standard lighting. Laboratory mice, which had been exposed all their waking hours to FS light, had zero tooth decay.⁶⁰ Similar findings were reported from California, Washington state and Alberta, Canada.⁶¹ A classroom comparison in Vermont found that full-spectrum lighting strengthened immunity.^{62,63}

Why was there so much less tooth decay after exposure to full-spectrum light, including trace UV? And why did immunity improve under FS lights? According to Dr Ott: "Every nutritional substance and medicine has a specific wavelength absorption. If those wavelengths are missing in the artificial light source a person is exposed to, then the nutritional or other hoped-for benefits of the substance will not be utilised."^{63a} UV functions as a nutrient and as a co-factor (a substance required for a bodily process to occur) in the utilisation of other nutrients.

So the full-spectrum lights corrected the children's deficiency of vitamin D3 (not the same as the toxic form of vitamin D added to milk), now considered a pro-hormone. This enabled more complete calcium absorption—and lowers the risk of osteoporosis and hip fractures in later life. Recent research has found that nearly half the people of all age groups taking RDA-strength supplements have too little vitamin D. When the body doesn't have

Dr Ott also found that the light from fluorescent tubes, as well as TV sets and computer terminals, causes red blood cells to clump together after prolonged exposure.

enough of it to absorb adequate calcium from food, it extracts calcium from bone.⁶⁴

FS light also strengthens immunity in other ways. It helps protect against multiple sclerosis, heart attacks and conversion of HIV to AIDS, among other things. These are elaborated and fully referenced in the remainder of the paper [see NEXUS website]. "Protect ourselves from ultraviolet whenever we can see our shadow," as the EPA frighteningly warns? Won't doing that then constitute a full-employment plan for dentists, orthopaedic surgeons and oncologists as well as pharmaceutical drug companies?

• FS Light vs Cancers

Cancers hate full-spectrum light. A tumour-susceptible strain of mice lived more than twice as long under full-spectrum as under standard lighting, and rats exposed to full-spectrum light had significantly lessened tumour development.⁶⁵ The tunnel-visioned National Cancer Institute and American Cancer Society ignore these findings, which six major medical centres have confirmed.⁶⁶

Terminal cancer patients, who Dr Ott knew of personally, got well in a rocking chair in the sunshine. Dr Jane Wright, directing cancer research at Bellevue Memorial Medical Center in New York City in 1959, was fascinated by Ott's ideas. So she instructed progressive-tumour patients to avoid artificial lights and stay outdoors as much as possible that summer. They were not to wear sunglasses or prescription lenses, which block UV light. By that fall, the tumours in 14 of 15 had not grown, and some patients had got better; the one whose condition deteriorated sat outdoors but wore prescription lenses. Ott has been criticised for making no scientifically controlled human studies. Well, funding for continuation of that study was withdrawn—that was his experience over and over.⁶⁷

One woman with cancer ventured out with Norwegian fishermen, ate a lot of their catch and recovered; friends ate fish but stayed inside—and their cancers killed them.⁶⁸ Had she "protected" herself from UV when she could see her shadow, as the EPA advises, would her cancer have ended? And if sun-loving Arizonans threw away their sunscreens and sunglasses and limited their sun exposure to about 30 minutes a day,^{69,70} wouldn't their cancers largely disappear?

A Chicago-area elementary school suddenly reported five times the national average incidence of leukaemia, a kind of cancer of the blood. All of the afflicted children but one were being taught in rooms where teachers kept the blinds drawn, and the children were exposed all day only to melanoma-promoting fluorescent light. When even the amount of UV that can get through window glass was let in, the leukaemia cluster disappeared.⁷¹ (Raymond Peat, PhD, thinks FS sunlight is best received through glass.⁷²)

• FS Light vs Arthritis and Blindness

Early in his research career, Dr Ott fell and broke his glasses; soon, his arthritis disappeared. And in 1996, Marion Patricia Connolly, executive director of Price-Pottenger Nutrition Foundation (PPNF), had much the same experience. Full-spectrum eyeglasses, i.e., lenses that transmit all ultraviolet light, are difficult to find. I take off my glasses outdoors whenever I can.

Exposed to full-spectrum light, a father rat is docile and even helpful after his babies are born. But when the same rat pair is

moved under standard light, before the birth of the next litter the male must be removed to prevent aggressiveness and cannibalism. Moved back to natural light for still another litter, he is gentle again.⁷³ Although human fathers aren't likely to eat their babies, do we really want more domestic aggressiveness?

Alternating full-spectrum light and total dark cured children born blind as a result of brain injury. The technique was advocated by W. H. Bates about 1904 and endorsed by Aldous Huxley in 1930. Efficacy was confirmed in the recent Annual Report from the British Institute for Brain Injured Children.⁷⁴

How can all this be explained? Full-spectrum light, entering the eyes during waking hours, promotes night-time pineal gland secretion of melatonin. This sleep-promoting antioxidant destroys carcinogenic hydroxyl radicals—and also slows ageing.^{75,76} Melatonin can suppress growth of human breast cancer cells *in vitro* (in a test tube), and can cross all barriers to enter every cell.^{77,78} So enough sleep—best achieved in total darkness⁷⁹—becomes anti-ageing, antioxidant, anti-cancer, anti-heart attack therapy!

Except in short-term emergencies, people younger than about

50 should use supplements of melatonin cautiously, if at all.⁸⁰ For people over 40 to 45, one to three milligrams before bedtime safely promotes both prompt falling asleep and a good night's rest, in addition to its other benefits.⁸¹

In a laboratory, viruses are weakened by exposure to full-spectrum light that includes traces of UV. Infectious organisms such as *E. coli* K12 AB2480, which can cause food poisoning, dislike ultraviolet too.⁸² The Morris Center in Winnipeg, Canada, promotes "amazing" healing by shining

full-spectrum light onto wounds.⁸³

• FS Light vs Seasonal Affective Disorder

The power of full-spectrum light against SAD (seasonal depression)—again, by entering the eyes—has been amply demonstrated. FS light benefits nonseasonal depression, too,⁸⁴ but not as much.⁸⁵ Such light energises and regulates the body's entire chemistry. Won't "protecting" millions of people from UV, as the EPA advocates, then worsen the growing epidemic of depression?

Dietary sufficiency of vitamin D also needs consideration here. "Seasonal affective disorder has been treated successfully with vitamin D. In a recent study covering 30 days of treatment comparing vitamin D supplementation with two-hour daily use of light boxes, depression completely resolved in the D group but not in the light-box group."⁸⁷

The cells in the retinas of your eyes will not divide and regenerate without a small amount of ultraviolet light. And so full-spectrum light reduces the risk of retinal degeneration, the leading cause of blindness among the elderly.⁸⁸ Retinal haemorrhage, the most severe phase of the condition, can also result from long-term use of aspirin.⁸⁹ (A prominent ophthalmologist declared the outcome "unlikely"; however, an exhaustive computer literature search by Kirk Hamilton, PA-C, publisher of *Clinical Pearls News*, found no refutation of the finding.) White willow bark provides the same benefits as aspirin without stomach irritation or blindness, as do three glasses daily of purple grape juice. And

Terminal cancer patients,
who Dr Ott knew of
personally, got well in a
rocking chair in the
sunshine.

Continued on page 81

AMPLIFIED MIND POWER RESEARCH IN THE FORMER SOVIET UNION

*Soviet advances in
biophysics and
biocommunications
research forced the
Americans to set up
their own "crash
program" in
parapsychology
during the Cold
War era.*

Part 1 of 3

by Martin Ebon © 1996

From the website:
[www.biomindsuperpowers.com/
Pages/Ebon1.html](http://www.biomindsuperpowers.com/Pages/Ebon1.html)

[Editor's Note: This article refers to research studies involving animals. We wish to advise readers that we at NEXUS do not condone or support the validity, efficacy or morality of animal experimentation or vivisection.]

THE TOTH INCIDENT

In Moscow on 11 June 1977, *Los Angeles Times* correspondent Robert C. Toth was arrested and detained on a charge of illegally obtaining papers which disclosed "state secrets". The papers had been given to Toth by a Soviet scientist, Valery G. Petukhov. Toth had first met the Russian biophysicist earlier in the year. While Petukhov seemed eager to show his scientific findings to Toth, the correspondent felt that his work was "only theory and far too complicated" for a newspaper story.

Toth reported that, as best as he could recall, Petukhov asserted that certain particles of living cells "are emitted" when such cells divide, that they can be "detected and measured and that these radiating particles can carry information". Their function could "explain the basis for telepathy" and related phenomena.

To Toth, Valery Petukhov seemed "like a serious scientist". According to a card he handed the reporter, he was Chief of the Laboratory of Bio-Physics at the State Control Institute of Medical and Biological Research. He had been recommended to Toth by a dissident Soviet scientist who later emigrated. At their first meeting, the *Los Angeles Times* man told Petukhov that once the scientists had proved this theory he would be interested in writing about it.

Months passed. In mid-June 1977, Petukhov phoned Toth. The biophysicist told Toth that his experiments had succeeded. He planned to describe them in a formal scientific paper; but, as Soviet authorities would certainly refuse to publish his work, he wanted to translate the paper into English and give it to Toth for publication in the West. At the rendezvous, Petukhov took a manuscript from his briefcase. It contained over 20 typewritten sheets, complete with charts and photos of charts. It looked like a complex, comprehensive scientific paper, well-documented, appropriately technical.

Toth never managed to get a real look at the paper; for it was at that moment that a melodrama began, when a Soviet-made Fiat braked sharply at the kerb. The car was filled with five plainclothesmen who jumped out and quite unceremoniously pulled Toth inside.

Robert Toth's account stated: "Our car drove through red lights and down one-way streets the wrong way to a militia [police] station. My captors were firm and polite, offering me cigarettes. I was ushered into a room with an inspector who declined my requests to phone the US Embassy but said a Soviet Foreign Ministry official would be called."

In addition to the Foreign Ministry official and a KGB agent, a man named Sparkin, the police inspector summoned a senior researcher of the USSR Academy of Sciences, Professor I. M. Mikhailov. Mikhailov was asked to provide expert testimony on the paper Petukhov had given to Toth, which the police were now treating as "evidence".

Specifically, Professor Mikhailov stated: "The article beginning Petukhov, Valery G., from the words 'micro-organism self-radiation' to the words 'by means of vacuum particles in space', states that within the content of living cells are particles...and these particles are grounds for discussing the fundamental problems of biology in the context of biology and parapsychology. There is also information about the uses of such particles. This material is secret and shows the kind of work done in some scientific institutes of our state."

This last sentence raised eyebrows among observers of Soviet parapsychological studies throughout the world. Earlier, Moscow authorities on various levels had denied several

times that parapsychology was being researched in the Soviet Union.

A year before, Leningrad writer Vladimir Lvov had published an article in the leading French daily *Le Monde*, in which he asserted categorically: "The truth is simple: parapsychology is not accepted as a legitimate and official branch within Soviet science. No institute or centre or research in the Soviet Union is devoted to telepathy, psychokinesis, etc."

Yet the Mikhailov testimony in the Toth incident directly contradicted the Lvov statement.

Professor Mikhailov's testimony on the Petukhov paper and Toth's police interrogation at the Pushkin Street Station lasted about two-and-a-half hours. At last, a representative of the US Embassy, Vice Consul Lawrence C. Napper, was permitted to come to the station. The reporter's account of his meeting with Petukhov was read aloud and translated into Russian. But Toth refused to sign a hand-written Russian version of it. The KGB man Sparkin then told him he was "free to go".

Toth's Moscow difficulties were not at an end. The following Tuesday, Toth had a telephone call from another US Embassy official, Theodore McNamara, who asked him to come to the Embassy immediately. He added that the matter was "serious".

At McNamara's office, Napper and two other officials were waiting. They handed Toth a Soviet note that had been delivered half an hour earlier. It contained the following passages:

"The Ministry of Foreign Affairs is authorised to state the following to the American Embassy:

'On 11th June of this year, Robert Charles Toth was apprehended at the moment of meeting a Soviet citizen—Petukhov, Valery Georgiyevich—which took place under suspicious circumstances. When apprehended, the American journalist was found to have materials given to him by Petukhov, containing secret data.'

"The Ministry of Foreign Affairs informs the American Embassy that, in conformity with established procedure, Toth will be summoned for interrogation by the investigatory organs, in connection with which his departure from Moscow until the end of the investigation is not desired."

Within the hour, a polite KGB agent, wearing a flowered shirt and grey suit, arrived, asked Toth to identify himself and told him to come to the State Security's Lefortovo Centre for interrogation. Toth was advised of Articles 108 and 109 of the Criminal Code and that he did not have diplomatic immunity.

After two days of confusing interrogation, Toth was told: "Parapsychology as a whole may not be secret information. But there could be fields of science within parapsychology which are secret. It is not for me, as it's a matter for experts to say what is secret, and the scientist has stated that the materials you received are a secret. And you received them under circumstances where your behaviour and the information seem to be a breach of our law."

After the second interrogation, Toth was told he was no longer needed. The US Embassy received confirmation from the Soviet

Foreign Ministry. Toth and his family quickly arranged for a flight to the United States.

The Toth incident was reported worldwide, and the *Washington Post* and the *New York Times* ran accounts of it. The incident then passed into oblivion, and most were none the wiser. But intelligence analysts understood that Toth had got into his hand, if only for a few moments, one of the tips of the enormous iceberg of top-secret Soviet research into psychic powers of the human mind.

FEAR AND IDEOLOGY ON BOTH SIDES

By 1968, some years before the Toth incident, American intelligence analysts had begun noticing a Soviet Secret Police (KGB) trend indicating serious interest in the West in what is called "parapsychology". This trend began when the KGB's far-flung operations came under the direction of Yuri Andropov (named General Secretary of the Soviet Communist Party in late 1982).

But even the KGB, for all of its experience, large staff, skills and high-priority status, had not developed a clear-cut policy towards psychic experiments; conflicting attitudes within its leadership appear to have caused erratic actions. This was well illustrated when agents arrested Toth and thereby revealed that secret research was in fact taking place at government institutes.

US Government officials were jittery that research in parapsychology might cause them to be accused of spending public funds on science fiction projects. When columnist Jack Anderson reported early in 1981 that a laboratory in the basement of the Pentagon was devoted to parapsychological experiments, his comments were heavy with ridicule and sarcasm.

Anderson's assistant, Ron McRae, alleged in an article, "Psychic Warfare" (*The Investigator*, October 1981), that "the Pentagon is spending millions on parapsychology in a crash program to end Russia's psycho-superiority".

McRae, who was doing research for a book on US Government projects in psychic studies, said the US Secret Service had "commissioned studies on ways to protect the President from the Kremlin's mind control". He wrote that its agents as well as CIA staffers had been "required to take courses in mind control" at universities in the Washington area, to "prevent them", as he put it, "from falling under the spell of Soviet psychics". Although such claims at the time bore earmarks of exaggeration, they were nonetheless indicative of intense American interest in psi warfare possibilities.

But American media accounts of psi warfare spread alarm and amusement, and an ideological battlefield erupted not only in the United States but in the Soviet Union also. On the ideological battlefield of international Marxism, the controversy about parapsychology, by whatever name, had gone on for two decades; it showed no signs of abating.

Typical of those who regarded psychic studies as ideological heresy was Soviet mathematician-physicist Dr Alexander Kitaygorodsky, who had categorised clairvoyance, precognition and psychokinesis as "supernatural" and thus outside "the domain

But intelligence analysts understood that Toth had got into his hand, if only for a few moments, one of the tips of the enormous iceberg of top-secret Soviet research into psychic powers of the human mind.

of the natural sciences". Writing in the Moscow periodical *Nauka i Religia (Science and Religion)*, an atheistic magazine, Dr Kitaygorodsky stated as long ago as March 1966: "To me, there is no doubt whatever that those who relate such fairy tales are frauds, mystifiers or, at best, grossly deceived. Men have believed in miracles for centuries, and for centuries there have existed charlatans and impostors, conscious or unconscious. And the struggle against such deception of the human mind has gone on for centuries, and in each century it has to begin anew."

But in the same magazine, science writer Leonid Fillipov took the opposite view and cited Marxist gospel to prove his point. He asked: "Does Professor Kitaygorodsky seriously believe that the frontiers of physics have been reached?" He cited scientific breakthroughs in radioactivity, quantum theory and lasers, and wrote: "What if telepathic phenomena conform to some new, as yet undiscovered laws which do not contradict already known rules governing electrons?" Fillipov added: "Rejecting *a priori* the possibilities of telepathy and other processes still unfamiliar to science amounts to rejecting Lenin's idea that, on any given level of scientific development, our knowledge of the work remains incomplete."

But beyond viewing with exaggerated alarm, ridicule-cum-hyperbole and the credibility gap lie the realities of psychic functions, for good or ill. To obtain the correct perspective, let us keep in mind that parapsychology can play only a supporting role in the Soviet Union's or any other military-scientific complex. It must therefore be seen as one element within a large and diffuse defensive-offensive research apparatus. Psychic elements might well be integrated into, rather than be operated separately from, other scientific or military projects.

A major attraction for planners is the promise of financial and organisational shortcuts. Why engage in high-cost armaments, for example, if one or several psychics might influence personnel in the enemy's missile silos, as a DIA report suggested? The costs of military hardware are a heavy burden on national economies in the East as well as in the West—and ESP is cheap.

A BRIEF HISTORY OF THE SOVIET PSYCHIC RESEARCH MACHINE

The origins of the Soviet psychic research machine remain a mystery at best, mostly due to gaps in accessible documentation. In any case, it would be clear that the research and attempted development of specific, useful, psi powers of mind proceeded at the start under severe ideological difficulties. Thus it is not easily understandable how, and especially why, the Soviet research machine grew to the monumental extent it did by about 1977.

Soviet efforts to harness telepathy (mind-to-mind communication), telekinesis (better known as psychokinesis, the influence of the human mind on matter), or any other psychic ability needed to overcome strong ideological objections from Marxist theoreticians. Pragmatists, even those highly placed in scientific or government circles, needed to justify their hopes for psychic experiments in acceptable ideological terms.

Historically, Western parapsychology was rooted in the 19th-century efforts to find scientific proof for such traditional religious beliefs as life after death.

And as psychic phenomena retain the mysterious air of the unknown or unexplored, many Marxists accused Western parapsychologists of propagandising religio-folkloric "superstition" and of advocating soft-headed "idealistic" concepts, in contrast to the strictly "materialistic" approach promulgated by Karl Marx and V. I. Lenin. Such criticisms had been voiced on and off for some 20 years in the Soviet Union.

During the life of Mao Zedong, Chinese Communist ideologues even accused the Soviet Union and the United States of using parapsychology to foster "religion without the Cross" in order to distract their citizenry from economic difficulties.

As we examine analyses of Soviet research, this continuing ideological conflict must be kept in mind. But there can be little doubt that the extent of the Soviet effort did become enormous.

In 1978, a US intelligence report was declassified and released, although it had originally been scheduled for declassification in December 1990. The report was entitled "Controlled Offensive Intelligence Agency (DIA), Task Number T72-01-14". In part, it read:

"The Soviet Union is well aware of the benefits and applications of parapsychology research. The term parapsychology denotes [in the Soviet Union] a multi-disciplinary field consisting of the sciences of bionics, biophysics, psychophysics, psychology, physiology and neuropsychology.

"Many scientists, US and Soviet, feel that parapsychology can be harnessed to create conditions where one can alter or manipulate the minds of others. The major impetus behind the Soviet drive to harness the possible capabilities of telepathic communication, telekinetics and bionics is said to come from the Soviet military and the KGB [Committee of State Security, Secret Police]."

In continuing, the Defense Intelligence Agency report asserted that the Soviet Union enjoyed a "head start" in the field and had provided substantial financial backing. The report concluded

that "Soviet knowledge in this field is superior to that of the US". It noted that Soviet researchers had explored "detrimental effects of subliminal perception techniques" that might even be "targeted against the US or allied personnel in nuclear missile silos" by "telepathic means". The report also stated:

"The potential applications of focusing mental influences on an enemy through hypnotic telepathy have surely occurred to the Soviets... Control and manipulation of the human consciousness must be considered a primary goal."

At this point, the reader should again be cautioned that the ideological controversy about the study and use of psychic potentials in the USSR had created gaps in public knowledge that inevitably led to rumours and unverifiable claims. "Hypnotic telepathy", of which the DIA report spoke, may well have been one of the target areas of Soviet research, but little current information on its status was available.

"The major impetus behind the Soviet drive to harness the possible capabilities of telepathic communication, telekinetic and bionics is said to come from the Soviet military and the KGB [Committee of State Security, Secret Police]."

However, Russia had a long history of hypnosis studies in medicine, education and psychiatry. Soviet literature reflected ongoing and contemporary scientific interest in the stimulation of telepathy, clairvoyance and psychokinesis, either by drugs or electronic means. In the past, Russian researchers had experimented with telepathy at a distance—a technique of intriguing potential.

SOVIET PSYCHIC RESEARCH ORIGINS

It is quite likely that the Soviet research machine may have originated with the work of Bernard Bernardovich Kazhinsky, a student in Tiflis (now Tbilisi) in the state of Georgia, bordering on the Black Sea. His interests apparently were triggered by a telepathic experience of his own.

In February 1922, Kazhinsky was invited to address the All-Russian Congress of the Association of Naturalists, a top scientific organisation perhaps equivalent to the American Institutes of Mental Health today. The topic of his lecture was "Human Thought-Electricity", and he quickly published a book under the same title.

It would be clear, with Kazhinsky having been invited to address the All-Russian Congress, that the Congress supported and funded Kazhinsky's research work, which thereafter apparently became classified. By 1923, he had published his early findings in a book entitled *Thought Transference*. This book attracted favourable attention among important brain researchers at the time.

More visible and easier to document was the work of Professor Leonid L. Vasiliev, later to become Chief of the Department of Physiology at the University of Leningrad. Born in 1891, Vasiliev had been a student of Leningrad physiologist Vladimir M. Bekhterev, who had established the Leningrad Brain Research Institute. His granddaughter, Natalia P. Bekhtereva, joined the Institute in 1921 and ultimately became its director.

Vasiliev became a member of the Committee for the Study of Mental Suggestion the following year. "Mental suggestion", or hypnosis, became central to his interest. In 1928, he visited Paris as well as other Western European cities. Vasiliev spoke and wrote French fluently, and the Paris Institut Métapsychique International (IMI) remained his major contact with Western psychical research throughout his life.

Vasiliev established an ideological basis for the Soviet research in several books, lectures and articles. His basic thesis was that the experimental facts of telepathy, for example, should be examined from a physiological (or material) viewpoint, so that they could not be exploited by advocates of "religious superstition" (or an idealistic viewpoint). He was criticised as providing a pseudo-scientific framework for a return to idealism under the mantle of Marxist dialectical materialism.

His major and influential book, *Biological Radio Communication*, was published in Kiev by the Ukrainian Academy of Science in 1962. Kazhinsky concluded that he had "experimental confirmation of the fact that communication between two people, separated by long distances, can be carried out through water, over air and across a metal barrier by means of

cerebral radiation in the course of thinking, and without conventional communication facilities."

He added: "One important feature of the above-mentioned experiment is worthy of attention. The electromagnetic waves accompanying the thought-formation process (visual perceptions) in the inductor's brain reached the cells of the inductee's cortex after having travelled a long distance, not only in the air and through water but also through the hull of a submarine. This would justify the following conclusions: 1) these electromagnetic waves were propagated spheroidally, not in a narrow directed beam; 2) these waves penetrated though the submarine hull, which did not block them; that is, it did not act as a 'Faraday cage'."

Kazhinsky noted that a radio receiver in the marine laboratory of the Soviet scientific research vessel *Vityaz* had been unsuccessful in intercepting electric waves emitted in the water by the torpedo fish. He added: "...the radio receivers in the submarine did not intercept these waves. This prompts the conclusion that some

electromagnetic waves of a biological origin possess yet another, still unknown, characteristic which distinguishes them from conventional radio waves. It is possible that our ignorance of that particular characteristic impedes further development of research work in that field."

Vasiliev noted in another book, *Experiments in Distant Influence* (which first appeared in Moscow in 1962), that while official denials of the shore-to-submarine experiment suggested "a certain caution", nevertheless: "This experiment showed—and herein resides its principal value—that telepathic information can be transmitted without loss through a thickness of water and through the sealed metal covering of a submarine; that is, through substances which greatly interfere with radio communication. Such materials completely absorb short waves and partly absorb medium waves, the latter being considerably attenuated, whereas the factor (still unknown to us) which transmits suggestion penetrates them without difficulties."

"This prompts the conclusion that some electromagnetic waves of a biological origin possess yet another, still unknown, characteristic which distinguishes them from conventional radio waves."

EXPERIMENTS BY US CORPORATIONS & MILITARY

Many have claimed that the infamous USS *Nautilus* story of 1959 in the United States served as the major prod for Soviet bio-communications research. However, by 1959, some four decades after the Soviet research had already begun, presumably their machine would not have needed such a prod.

The *Nautilus* was the world's first nuclear-powered submarine, launched in 1954 and christened by First Lady Mamie Eisenhower, wife of President Dwight D. Eisenhower. The *Nautilus* made its first voyage under the North Pole in 1958. Soon afterwards, French accounts claimed that while the submarine was cruising deep in Arctic waters it received telepathic messages from a research centre maintained by the Westinghouse Corporation at Friendship, Maryland. The US Navy denied that such a test had ever taken place or that it was otherwise engaged in telepathy experiments.

However, several sources in France appeared which claimed otherwise. My own efforts to obtain confirmation of the French reports were unsuccessful. The reports held that such major US corporations as Westinghouse, General Electric in Schenectady, New York, and Bell Telephone in Boston had begun telepathy research in 1958. The aim was to develop thought transmission by telepathy, to record and produce telepathic signals, and to determine the amplitude and frequencies on which telepathy operated.

According to the French sources, President Eisenhower had received a study prepared by the Rand Corporation of Los Angeles, a "think tank" under contract to the armed forces and other US Government agencies. The report was said to recommend studying the use of telepathy to establish communication with submarines—particularly those cruising in waters under the polar ice-cap, where radio communication channels are particularly difficult.

Westinghouse's Friendship Laboratory allegedly undertook just such an experiment with the USS *Nautilus*, linking one person on land (the sender or inductor) with another person in the submarine (the receiver or inductee) while the vessel was submerged. Representatives of the US Navy and Air Force were present during the experiment, according to the reports.

The original French reports fixed the starting date as 25 July 1959. The tests continued daily for a total of 16 days. The person in charge was identified as Colonel William H. Bowers, director of the Biological Department of the Air Force research institute and the man who directed the experiments at Friendship. Later accounts identified the sender or inductor as "Smith", a student at Duke University, who was confined to one of the Westinghouse Laboratory's buildings during the experimental period.

The procedure was designed to have Smith transmit "visual impressions" twice daily at specified times. Using methods developed by J. B. Rhine at the Parapsychology Laboratory, Duke University, Durham, North Carolina, a controlled timing device shuffled 1,000 ESP cards in a revolving drum in such a manner as to drop five cards on a table, one at a time, at one-minute intervals. Smith picked up each card as it came out of the drum, looked at it and sought to memorise the image. At the same time, he drew a picture of the symbol (square, cross, star, wavy lines or circle) on a piece of paper before him. Each test thus produced a sheet of paper covered with five symbols. Smith sealed each paper into an envelope, which Colonel Bowers locked into a cage.

At the same time, a Navy lieutenant, identified as "Jones", sat isolated in a stateroom on the *Nautilus*, functioning as the recipient of the images Smith sought to convey by telepathy. Twice daily, Jones drew five symbols on a sheet of paper, choosing from among the same symbols used by Smith. He placed the sheet inside an envelope, sealed it and turned it over to his superior, Captain William R. Andersen. The captain wrote the time and date of the experiment on the envelope and put it into a safe in his own cabin. During the 16-day experiment period, Jones saw no

one else except for one sailor who brought him meals and performed other routine services.

The final segment of these events, as reported in France, began with the arrival of the *Nautilus* at Groton, its cruise completed. The envelopes were removed from the commander's safe, sent by car under escort to the nearest military airfield, flown to Friendship Airport near Baltimore, and then taken to Colonel Bowers's laboratory. There the two sets of sheets were taken from their envelopes, dates and times matched with each other and the results tabulated. In over 70 per cent of the cases, the figures tallied: Jones had correctly "guessed" three-fourths of the images seen by Smith.

I was put off by these reports, particularly by the high score ascribed to these experimental subjects and by their all-too-typical American names.

On the other hand, the *New York Herald Tribune* had reported on 8 November 1958 that the Westinghouse Electric Corporation had begun to study ESP using specially designed apparatus. Dr Peter A. Castruccio, director of the company's newly organised Astronautic Institute, had spoken of the ESP studies as "very promising", with the caution that "a lot more work must be done before we can come up with anything practical".

I questioned W. D. Crawford, Staff Section, Air Arm Division, Westinghouse, on the project and he said that "while these studies have scientific value, any conclusion at this time would be premature and inconclusive". These statements were published in the *Newsletter of the Parapsychology Foundation* (Jan–Feb 1959), as was a report that Bell Telephone Laboratories had considered an ESP research project but had abandoned it.

The *Nautilus* story is often referred to as a hoax, since the French and other sources remain unconfirmed. However, the telepathic part of the story might have added interest to the Soviet effort, already four decades old by 1958.

In any event, Raphael Kherumain, a prominent member of the Paris Institut Métapsychique International, collected articles on the *Nautilus* story and

mailed them to his long-time professional friend, Leonid Vasiliev.

The implications that the Americans might be conducting ESP experiments did enter into the Soviet Union's ongoing monolithic research machine, which influenced the lives of countless men and women and caused expenditures that by 1983 were supposed to amount to US\$500 million annually.

EXPERIMENTS WITH PSI PARTICLES

Across the Ob River from Novosibirsk, a pioneer town in western Siberia, lies Akademgorodok, or Science City. For some four years, its Institute of Automation and Electrometry maintained a research unit with the nondescript name of "Special Department No. 8". The building which housed the department could only be entered if one knew the code, changed each week, for opening the main door's lock. The "No. 8" operation was devoted to experiments in information transmission by bioenergetic means. As part of its program, physicists sought to discover the nature of "psi

The aim was to develop thought transmission by telepathy, to record and produce telepathic signals, and to determine the amplitude and frequencies on which telepathy operated.

particles"—the elusive elements that some Soviet scientists regarded as essential to the function of such psychic techniques as biocommunication and bioenergetics.

Novosibirsk was a logical place for such advanced studies. After World War II, its Science City was developed with such single-mindedness that even the names of the streets and city squares reflect its nature. For example, one could take a bus down Thermophysics Street, get off at the corner of Calculators Street and walk across Institute of Hydrodynamics Square. The city contained some 40 research centres and housed tens of thousands of scientists and their families.

When the No. 8 project was established in 1966, some 60 researchers were brought to Science City from other parts of the USSR. One of the researchers, Dr August Stern, provided an account of the department's operation after he migrated to France in 1977. He told the *New York Times* that the project's director, a Soviet officer, Vitaly Perov, had shown special "deference to two visitors", presumably KGB officers, "who came in the early days" of the project "to check on the installations".

Theory and application of psi principles were part of the experiments. Stern dealt with aspects of theoretical physics, designed to solve the enigma of psychic energies flowing between living things. He said that the centre's elaborate equipment had "cost many millions". In line with other Soviet experiments, the Novosibirsk centre did such things as apply electric shocks to kittens to see whether their mother, three floors above, would react to their experience in a telepathic way. This type of experiment was similar to a rumoured test in which baby rabbits were taken down below sea level in a Russian submarine and then killed while the mother rabbit remained ashore, her reactions monitored by measuring brain and heart functions.

Project No. 8 included telepathy-type distance experiments among people. Inductors, or senders, were stimulated in one group of rooms while recipients were placed elsewhere, their responses monitored on closed-circuit television. The centre also undertook the study of electromagnetic forces in person-to-person and mind-over-matter experiments. Among the laboratory animals used in the project were monkeys.

Stern recalled further details: "There were also experiments with photon waves, in which frogs' eyes were used as a more sensitive measuring instrument than a machine. Another experiment involved putting bacteria on two sides of a glass plate to see whether a fatal disease could be transmitted through the glass. It was reasoned that if this could be done, it would show that photons—light particles—accounted for some inexplicable forms of communication."

Stern did not succeed in the project he had been assigned, and which he regarded as a legitimate scientific challenge. In fact, the whole No. 8 department was dissolved in 1969, much too early to have achieved definitive results. Stern concluded that the shut-down reflected "a change in attitude or power balance in the Kremlin". Presumably, Moscow authorities had decided on

different administrative or research tactics in dealing with psychic studies.

Stern's recollections concerning photon waves have since been confirmed. Three researchers at Novosibirsk's Institute of Clinical and Experimental Medicine and at the Institute of Automation and Electrometry (Siberian Section, USSR Academy of Sciences) are credited with undertaking the key experiment on the problem. They were Vlail Kanachevy, Simon Shchurin and Ludmilla Mikhailova. Their experiment, designed to establish photon communication between cells of living organisms, has been listed in the State Register of Discoveries by the Committee for Invention and Discoveries, which functioned under the USSR Council of Ministers. An English translation of their paper appeared in the *Journal of Paraphysics* (vol. 7, no. 2, 1973) as "Report from Novosibirsk: Communication between Cells".

Their experiment indicated that cells could communicate illness, such as a virus infection, despite the fact that the cells were physically separated. The tests showed that when one group of cells was contaminated with a virus, the adjacent group—although separated by quartz glass—"caught the disease". When regular glass was used to separate the two cell groups, the non-contaminated cells remained healthy.

The experimenters linked their idea to the concept prominent in Soviet bioenergetics research: the existence of unknown communication channels in living cells for the transfer of information—"a language of waves and radiation", as Shchurin called it. The medical researcher added these comments:

"Why should information on all the processes of life be necessarily transmitted by chemical means, which are certainly not the most economical methods? After all, any chemical change is primarily an interaction of electrons, complicated formations that carry a reserve of energy. In colliding with a substance, they would either transfer this energy to it or radiate it in the form of photons, or light particles.

"Today there are no methods for studying the specific character of photon radiations, the constant normal radiation or normal cells. We decided to

evade the ban imposed by physics by creating an artificial situation. We subjected cells taken from an organism to extreme effects to observe the character of radiations emitted by them. That the cell radiated photons was known. But perhaps the cell was able to perceive them, too? Our experiments provided the answers to this question."

The barrier of quartz glass permitted neither viruses nor chemical substances to travel between the two vessels inhabited by the cells. Yet, as Shchurin picturesquely put it, "the affected cells virtually cried out loud about the danger" when they were attacked by the virus, and "their cry freely penetrated the barrier of quartz glass which permitted ultraviolet waves to pass".

"Something highly improbable happened," noted Shchurin. "These waves were not only perceived by the neighbouring cells, they also conveyed the sickness to the neighbouring cells."

Their experiment indicated that cells could communicate illness, such as a virus infection, despite the fact that the cells were physically separated.

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"SOMETHING FROM NOTHING" REVISITED

by Jerry W. Decker, KeelyNet, 2001

Most mainstreamers have the erroneous conception that alternative science fans, experimenters and researchers are looking to "create something from nothing" in order to provide power necessary to run their perpetual motion machines or free energy devices.

The majority of people I know and communicate with are seeking one thing: a working free energy or gravity control device—something we all can see, test, build (or buy) and use to make all of our lives easier.

"Heavier-than-air flying machines are impossible."

— Lord Kelvin
President, Royal Society, 1895

It gets ever more tedious having to explain and correct people who write or call in, calling me and others who think along similar lines "flakes", "fools", "idiots" or other choice insults. They haven't bothered to study the very subjects they are ranting against. They haven't bothered to ask questions, follow any discussions or read any documents relating to the subject. Yet they have no problem writing rude or insulting letters, full of *ad hominem* attacks, believing themselves to be the possessor of all that is right and true. Where does the error lie?

I've often thought of writing up a web page, explaining it in terms and analogies the "critics" can understand, so that is what this page is attempting to do.

This paper is intended to address four key points which I consider as the basis for all energy production:

- 1) the concept of aether/ZPE;
- 2) creation of energy from nothing;
- 3) thermodynamics;
- 4) conversion.

The "Lost Aether" (now called Zero Point Energy or ZPE)

Purists prefer the term "aether", but I think the term should be used interchangeably with the newer "ZPE", also called "the spacetime metric" or "vacuum energy". It is spelled with an "a" to avoid confusion with the chemical ether.

(Much like the popular "Brown's gas", which was essentially stolen from Dr Rhodes who patented it in 1966 and has continued with additional research, I think the cleanest, most rational thing to do at this late stage is to call it "hydroxy gas", as used during World War II and earlier.)

Because of such confusions, I choose to use the term "aether" in combination to form "aether/ZPE", and so include the old and the new.

"I think there is a world market for maybe five computers."

— Thomas Watson
Chairman, IBM, 1943

In a nutshell, aether/ZPE is the energetic "quantum foam" of space. It permeates and sustains the universe. It pops in and out of existence in a ceaseless "jitter", and in its wake produces the effect of gravity, other energies and the localisations (precipitations of energy) that produce matter. Just as $E = mc^2$, where matter can be exploded to produce immense forces, so too can energy be coalesced and precipitated to produce matter.

It has been detected by Casimir as an immense pressure by the forces exerted on

two dielectric plates, and erroneously described as an "attraction"—as extracted from my Rectifying Chaos file:

"The Casimir force is a short-range attraction between any two objects, caused by...electromagnetic fluctuations in the vacuum. ...any two plates, whether conductor or dielectrics, would experience a fourth power force law...also proportional to the dielectric constant of the plates.

"There is no reason for any individual to have a computer in their home."

— Ken Olsen
President, Chairman & Founder
Digital Equipment Corp., 1977

"The equations are only valid down to a separation distance proportional to the minimum wavelength at which the plates are still a good conductor, or the dielectric constant is not unity. For distances closer than that...attractive force will...increase...at a rate proportional to the third power of the separation distance...

"The closest separation distance... [that has been attained is 14 angstroms] (about five atoms) with two crossed cylinders of mica...

"...the measured force between the two mica cylinders was over ten tons per square metre!"

"The [flying] machine will eventually be fast; they will be used in sport, but they are not to be thought of as commercial carriers."

— Octave Chanute
aviation pioneer, 1904

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I won't belabour the explanation of aether/ZPE with all the information available on the Net, but I do want to make one other point. Nature seeks equilibrium. When equilibrium is disturbed, it produces polarisation, a separation into two distinct forces: a positive-pressure wave and a negative-vacuum wave, both of which seek to rejoin in order to achieve an equilibrium that matches the ambient environment.

Whenever you have polarities, you have a gradient for each polarity. This gradient can be thought of as having the greatest intensity on the outside of the wave where it is furthest from the ambient zero reference.

"Computers in the future may weigh no more than 1.5 tons."

— Popular Mechanics, 1949

Gravity decreases as you ascend from the Earth. In this case, it means it is strongest nearest the Earth. Therefore, you have a gradient that can be tapped to use the gravity increase over distance (height) to produce work.

Aether/ZPE, being omnipresent, also has densities that are gradients. The Casimir plates do not push together when even an inch apart, but, placed within 14 angstroms, the pushing of the ambient ZPE forces them together with a pressure of 10 tons per square metre, as earlier quoted.

Do not tons convert to pressure? Can we not take advantage of this pressure, as Maclay is attempting under the auspices of his US\$300,000 NASA grant?

There is a new science coming which will revolutionise the world in ways we cannot now imagine.

The Creation of Energy Error

This first issue deals with the commonly held consensus that we seek "something from nothing" and are attempting to create energy. The standard erroneous statement made by orthodox science goes back as far as Sir Isaac Newton, who once observed: "The seekers after perpetual motion are trying to get something from nothing."

To my view and in my communications with many others, nothing could be further from the truth. No one with whom I have communicated has ever suggested that energy was being created. Instead, many of us believe it is possible to extract energy from the repulsion/attraction of magnetism, from gravity and from the omnipresent aether/ZPE.

But let us not limit our seeking to just three sources, but expand it to include *any energy or force gradient*, knowing that the polarities, when placed in the proper arrangement, *must combine* to create the natural condition of equilibrium.

As the polarities move to recombine, we intend to guide them through the wheelwork of our machinery to do practical work. It also might be possible to tap into the force that causes the equilibrium disruption in the first place, since there is an expansion and a collapse cycle to any equilibrium disturbance.

Irreversible Entropy and Closed Systems

The two major errors made by modern science is sticking to the *belief* in the first and second "laws" of thermodynamics.

"The telephone has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us."

— Western Union memo, 1876

The first law states that the total energy, including heat, in a (closed) system is conserved. By "closed", we mean a system that is completely cut off or insulated from its surroundings, so that no material or energy enters or leaves.

The second law states that for a spontaneous process, there is a net increase in entropy. The second law is possibly the most misunderstood scientific principle. The two most obvious misuses are:

1. Perpetual motion machines;
2. The statement, "Evolution is impossible since entropy can't decrease".

With regard to point 1, there is no closed system possible with materials and forces currently available (at least publicly) that

can prevent the passage of aether/ZPE and *gravity* into the so-called "closed" system; *ergo*, additional forces from outside the box, and which pass into and through the box, are necessarily injecting extra energy *inside* the box, which can be intercepted and converted to add energy to the closed system.

Can anyone deny that gravity permeates the box? If it did not, the box would float off into space with nothing to hold it down. Would it not follow that an aether/ZPE would also permeate the closed system?

We must learn to *convert* or *translate* that additional energy (aether/ZPE, gravity, whatever) into a form that we can use, i.e.,

"Airplanes are interesting toys but of no military value."

— Marshal Ferdinand Foch
French Commander of Allied Forces during the closing months of World War I, 1918

mechanical, electrical, etc. This is what many so-called perpetual motion and free energy machines do, and many of us at KeelyNet are trying to replicate these for practical use worldwide.

With regard to point 2, under the second law, the claim states that there is *always* a net *increase* in entropy, which drags the system down into chaos and causes it eventually to stop; meaning that entropy is irreversible and there can be no restorative, rejuvenating force.

"The wireless music box has no imaginable commercial value. Who would pay for a message sent to nobody in particular?"

— David Sarnoff's associates,
responding to his urgings for investment in radio in the 1920s

Under currently undefined conditions, it should be possible to adjust the performance characteristics of a system so that the operation involves the least possible

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resistance as well as takes advantage of the introduction (and conversion to other forms) of outside energy (as per "law" no. 1) in the form of gravity, aether/ZPE, etc.

To my view, it appears that everything keys into a wave or motion, where one half of that wave or motion is positive, under "pressure" and adds power, and the other side is negative, has "vacuum" and extracts power.

If the energy is already separated from the natural state of equilibrium, then most of our work is done. Why? Because it is the recombining of these polarities back to a state of equilibrium that will provide the

"Everything that can be invented has been invented."

— Charles H. Duell
Commissioner, US Office of Patents, 1899

"work" we can use to carry out practical applications.

In the case of gravity, it already has a gradient and so is immensely available for tapping under the right configuration. In the case of aether/ZPE, which pops into and out of existence, we need to learn to detect its appearance and capture it. It might be possible to capture as the original unknown force that separates the vacuum in the first place, and with the collapse of the wave back to its state of equilibrium.

"Who the hell wants to hear actors talk?"

— Harry M. Warner
Warner Brothers, 1927

When you think about an expansion wave versus a collapsing wave, there might be properties quite opposite each other, and which deal with the claims of a "cold current"—where sparking wires produce frost, and circuits tapping this form of energy

produce cold in the local area. However, that is beyond the scope of this paper.

With aether/ZPE, it is a matter of rectification of the energy as it appears and begins to collapse. This can be tapped to produce mechanical or electrical forces, where the separated, polarised energies can be guided into a single form of either pure positive or pure negative. This is dealt with in my paper on Rectifying Chaos.

Conversion versus Creation

Now for the crux of all this verbiage: the contention that free energy enthusiasts claim to create something from nothing. That is an error. We are trying to *convert* gravity and other ambient forces into mechanical and/or electrical energy that can do work. It's not such a brain-stretcher. In fact, *we depend on conversion* from one form of energy to another in our everyday lives; for example:

- 1) we convert the motion of a magnetic field past a copper coil into electrical current;
- 2) we convert wind energy to electrical energy or mechanical force;

"The bomb will never go off, and I speak as an expert in explosives."

— Admiral William Leahy
US Atomic Energy Project, 1945

- 3) we convert water energy to electrical energy or mechanical force;

- 4) we convert geothermal energy to electrical energy or mechanical force;

- 5) we convert gasoline and other combustibles to explosive force or to heat or to light;

- 6) nature converts sunlight and heat into life itself with the right mix of nutrients.

None of these produces "something from nothing"; it is the *conversion* of something to something else, from one form of energy to another form of energy.

Is it so hard to comprehend the *conversion* of gravity, aether/ZPE or other gradients into other useful forces?

One bugaboo we face is proving the existence of aether/ZPE in a practical, reproducible and simple experiment that

anyone can do and will undeniably show the presence of aether/ZPE.

That does not apply to gravity, which one day we will learn to tap when we discover how to overbalance a wheel, as Johannes Bessler did, or when we learn to reduce the intensity of gravity under one half of a wheel so it will be continually overbalanced and "fall into itself".

There is no question that gravity is a force, and we do in fact tap it through the flow of water over a dam to produce mechanical power converted to electrical current in hydroelectric installations. The overbalancing principle used by Bessler and probably others is the key to the whole thing.

It is important to bear in mind that with an influx of energy, such as gravity, from space, there must be a gradient as it increases with proximity to the Earth. Where there is a gradient, there is a difference of potential. When there is a difference of potential, you have the natural flow of the two potentials trying to rejoin to re-establish equilibrium. In this case, it is the attraction of gravity towards the Earth. It is the force exerted by nature, in her attempt at regaining equilibrium, that we must learn to tap.

Since there is a natural overbalance due to the gradient, if we can lower the resistance of the recovery side of the circuit or design to a level less than the additional energy imparted from the pressurised side of the gradient, then we first achieve unity and then over-unity.

We have the Casimir effect to show the pressure of aether/ZPE to the tune of 10 tons per square metre—a tremendous

"We don't like their sound, and guitar music is on the way out."

— Decca Recording Co.
rejecting The Beatles, 1962

amount of energy that forces the dielectric plates together. This should be capable of "conversion" to produce work as practical applications.

Lambertson's WIN cell (at least the samples I saw) uses a rubbery insulator looking something like silicone caulk so that the plates slap together from the pressurised

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high side of the wave; then, when the vacuum-release side of the wave comes into play, the rubber pushes the plates apart to "recock" or "reload" it for the next pressure wave that again collapses it.

The machines that will present a problem requiring very-long-term monitoring and measurement are those like Bedini's and the Gray motor, which use very little electrical energy to get a large mechanical force, thus extending the life of the battery far longer than is normal.

John Bedini says he has machines in his basement that have been running for years on a single battery. He says that Bearden visited once and accidentally bumped into a battery which had been running a machine for years; the battery fell apart and was dried out inside, but the machine kept running. Ask him; he'll tell you that himself.

The bottom line is that the device must produce sufficient energy to recharge the driving circuit; otherwise, over a very long period of time, it will run down as it proves out to be an extended pendulum effect,

"The ordinary 'horseless carriage' is at present a luxury for the wealthy; and although its price will probably fall in the future, it will never come into as common use as the bicycle."

— The Literary Digest, 1889

where a clockspring, once wound, will eventually run down unless it can somehow rewind itself—something that every branch of physics says cannot happen due to the first and second laws.

In Bedini's case, as I understand it, the battery is recharged in a negentropic, negative resistance effect peculiar to his machines.

Research done by Prigogine and others in the fields of chaos theory, criticality, dissipative structures and self-organising fields is shedding light on how such processes work—research that I think will provide key design components when the first reproducible, self-running free energy circuit is publicly released and duplicated worldwide.

One final comment. Some think that simple experiments are wasted time, effort, money and resources. They take the approach that "it's all been done before" and so is well understood, therefore "don't bother doing experiments, don't tinker, don't try anything that hasn't been proved".

Other frequent comments... What good are "anomalies", tiny effects that have no possible use? What good is running a magnet past a wire, because it only produces a tiny current? Has that not been scaled up with bigger magnets and more coils to pro-

"Landing and moving around on the Moon offer so many serious problems for human beings that it may take science another 200 years to lick them."

— Science Digest, August 1948

duce massive electrical power? What good is burning a few drops of gasoline or oil, only useful for lighting? Has that kind of thinking not been disproved by exploding the expanded gas or oil in a closed cylinder to transport our nation?

There are, of course, many more obvious "anomalies" that have changed the world, conceived by perceptive people willing to

***"X rays are a hoax."
"Aircraft flight is impossible."
"Radio has no future."***

— Lord Kelvin
physicist and mathematician
(1824–1907)

experiment, share and expand on what has been found.

Many of our most useful processes resulted from these simple, useless anomalies. For that reason, KeelyNet has always urged people to experiment wherever possible, even repeating supposedly "known"

"[It] is, of course, altogether valueless... Ours has been the first, and will doubtless be the last, party of whites to visit this profitless locality."

— Lt Joseph D. Ives, Corps of
Topographical Engineers, 1861,
on the Grand Canyon

experiments with the possibility that you might experience something that no one else has noticed; or you might build your own version of a "known" experiment that could well produce an interesting anomaly, which could be scaled up for the next big discovery. If nothing else, you are building up your equipment, skills and understanding that will help you with future projects and experiments.

So before you write an email criticising free energy seekers, you might also write to the providers and users of windpower, solar power, hydroelectric and geothermal power as well as anyone who drives a car, mows a lawn or runs a magnet past a coil to produce electrical current, since they are producing energy from nothing and need to be corrected with your "laws".

About the Author:

Jerry Decker is an avid alternative science networker and the founder and owner of KeelyNet. He has a 22-year background in professional electronics, specialising in technical support and machine maintenance.

A firm believer that information must be freely shared, particularly about free energy and gravity control technologies, Jerry has kept KeelyNet focused since its inception as a bulletin board in 1988.

The goal of KeelyNet was, is and remains quite simple: to assist, inspire and catalyse working alternative science technologies that everyone can duplicate, verify and put into practical use to benefit our world.

Jerry Decker can be contacted at:

KeelyNet
PO Box 570309
Dallas, TX 75357-0309, USA
Tel/fax: +1 (214) 324 3501
Email: jdecker@keelynet.com
Website: www.keelynet.com

WHERE IN THE WORLD IS ALL THE FREE ENERGY?

*The spread of
working free-energy
technologies has
been prevented by
wealthy elites,
governments,
deluded inventors
and con men, as
well as a non-
demanding public.*

by Peter Lindemann, DSc © 2001

Clear Tech, Inc.
PO Box 37
Metaline Falls, WA 99153, USA
Telephone: (509) 446 2353
Email: support@free-energy.ws
Website: www.free-energy.cc

In the late 1880s, trade journals in the electrical sciences were predicting "free electricity" in the near future. Incredible discoveries about the nature of electricity were becoming commonplace. Nikola Tesla was demonstrating "wireless lighting" and other wonders associated with high-frequency currents. There was an excitement about the future like never before.

Within 20 years there would be automobiles, airplanes, movies, recorded music, telephones, radio and practical cameras. The Victorian age was giving way to something totally new. For the first time in history, common people were encouraged to envision a utopian future filled with abundant modern transportation and communication as well as jobs, housing and food for everyone. Disease would be conquered and so would poverty. Life was getting better, and this time everyone was going to get "a piece of the pie".

So what happened? In the midst of this technological explosion, where did the energy breakthroughs go? Was all of this excitement about "free electricity", which happened just before the beginning of the last century, just wishful thinking that "real science" eventually disproved?

CURRENT STATE OF TECHNOLOGY

Actually, the answer to that question is "No". In fact, the opposite is true. Spectacular energy technologies were developed right along with the other breakthroughs. Since that time, multiple methods for producing vast amounts of energy at extremely low cost have been developed. None of these technologies has made it to the "open" consumer market as an article of commerce, however. Exactly why this is true will be discussed shortly.

But first, I would like to describe to you a short list of "free energy" technologies that I am currently aware of and that are proven beyond all reasonable doubt. The common feature connecting all of these discoveries is that they use a small amount of one form of energy to control or release a large amount of a different kind of energy. Many of them in some way tap the underlying aether field—a source of energy conveniently ignored by "modern" science.

1. Radiant Energy

Nikola Tesla's Magnifying Transmitter, T. Henry Moray's Radiant Energy Device, Edwin Gray's EMA Motor and Paul Baumann's Testatika Machine all run on "radiant energy". This natural energy form (mistakenly called "static" electricity) can be gathered directly from the environment or extracted from ordinary electricity by the method called "fractionation". Radiant energy can perform the same wonders as ordinary electricity, at less than 1% of the cost. It does not behave exactly like electricity, however, and this has contributed to the scientific community's misunderstanding of it.

The Methernitha Community in Switzerland currently has five or six working models of fuelless, self-running devices that tap this energy.

2. Permanent-Magnet-Powered Motors

Dr Robert Adams (New Zealand) has developed astounding designs of electric motors, generators and heaters that run on permanent magnets. One such device draws 100 watts of electricity from the source, generates 100 watts to recharge the source and produces over 140 BTUs of heat in two minutes!

Dr Tom Bearden (USA) has two working models of a permanent-magnet-powered

electrical transformer. It uses a 6-watt electrical input to control the path of a magnetic field coming out of a permanent magnet. By channelling the magnetic field, first to one output coil and then to a second output coil, and by doing this repeatedly and rapidly in a "ping-pong" fashion, the device can produce a 96-watt electrical output with no moving parts. Bearden calls his device a Motionless Electromagnetic Generator, or MEG. Jean-Louis Naudin has duplicated Bearden's device in France. The principles for this type of device were first disclosed by Frank Richardson (USA) in 1978.

Troy Reed (USA) has working models of a special magnetised fan that heats up as it spins. It takes exactly the same amount of energy to spin the fan, whether it is generating heat or not.

Beyond these developments, multiple inventors have identified working mechanisms that produce motor torque from permanent magnets alone.

3. Mechanical Heaters

There are two classes of machines that transform a small amount of mechanical energy into a large amount of heat.

The best of these purely mechanical designs are the rotating cylinder systems designed by Frenette (USA) and Perkins (USA). In these machines, one cylinder is rotated within another cylinder with about an eighth of an inch of clearance between them. The space between the cylinders is filled with a liquid such as water or oil, and it is this "working fluid" that heats up as the inner cylinder spins.

Another method uses magnets mounted on a wheel to produce large eddy currents in a plate of aluminium, causing the aluminium to heat up rapidly. These magnetic heaters have been demonstrated by Muller (Canada), Adams (NZ) and Reed (USA).

All of these systems can produce 10 times more heat than standard methods using the same energy input.

4. Super-Efficient Electrolysis

Water can be broken into hydrogen and oxygen using electricity. Standard chemistry books claim that this process requires more energy than can be recovered when the gases are recombined. This is true only under the worst-case scenario.

When water is hit with its own molecular resonant frequency, using a system developed by Stan Meyer (USA) and again recently by Xogen Power, Inc., it collapses into hydrogen and oxygen gas with very little electrical input. Also, using different electrolytes (additives that make the water conduct electricity better) changes the efficiency of the process dramatically. It is also known that certain geometric structures and surface textures work better than others do. The implication is that unlimited amounts of hydrogen fuel can be made to drive engines (like in your car)

for the cost of water.

Even more amazing is the fact that a special metal alloy was patented by Freedman (USA) in 1957, which spontaneously breaks water into hydrogen and oxygen with no outside electrical input and without causing any chemical changes in the metal itself. This means that this special metal alloy can make hydrogen from water, for free, forever.

5. Implosion/Vortex Engines

All major industrial engines use the release of heat to cause expansion and pressure to produce work, like in your car engine. Nature uses the opposite process of cooling to cause suction and vacuum to produce work, like in a tornado.

Viktor Schauberger (Austria) was the first to build working models of Implosion Engines in the 1930s and 1940s. Since that time, Callum Coats has written extensively on Schauberger's work

in his book *Living Energies*, and subsequently a number of researchers have built working models of Implosion Turbine Engines. These are fuelless engines that produce mechanical work from energy accessed from a vacuum. There are also much simpler designs that use vortex motions to tap a combination of gravity and centrifugal force to produce a continuous motion in fluids.

6. Cold Fusion Technology

In March 1989, two chemists, Martin Fleischmann and Stanley Pons, from Brigham Young University, Utah (USA), announced that they had produced atomic fusion reactions in a simple tabletop device. The claims were "debunked" within six months and the public lost interest.

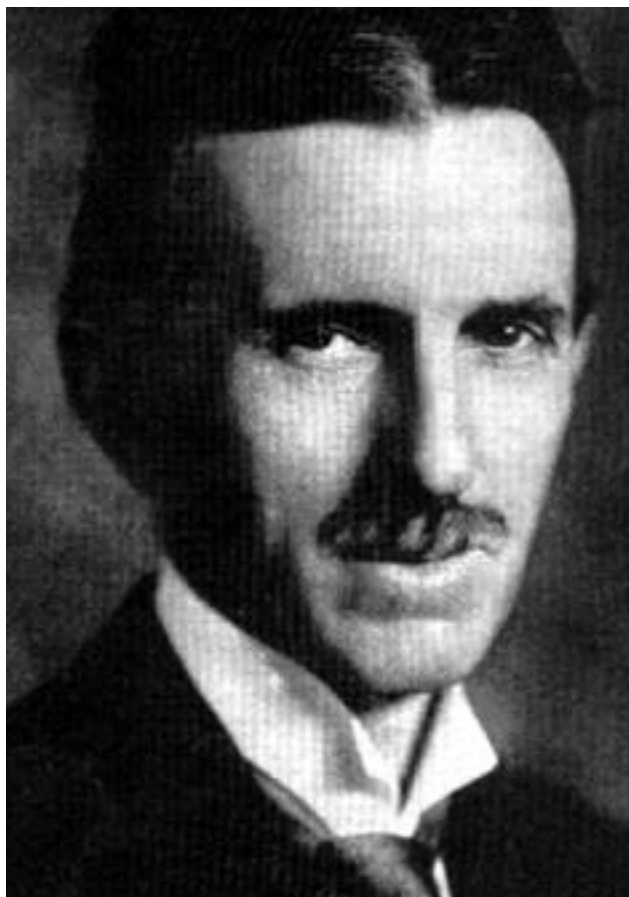
Nevertheless, cold fusion is very real. Not only has excess heat production been repeatedly documented, but also low-energy atomic element transmutation has been catalogued, involving dozens of different reactions! This technology definitely can produce low-cost energy and

scores of other important industrial processes.

7. Solar-Assisted Heat Pumps

The refrigerator in your kitchen is the only "free energy machine" you currently own. It's an electrically operated heat pump. It uses one amount of energy (electricity) to move three amounts of energy (heat). This gives it a "co-efficient of performance" (COP) of about three. Your refrigerator uses one amount of electricity to pump three amounts of heat from the inside of the refrigerator to the outside of the refrigerator. This is its typical use, but it is the worst possible way to use the technology. Here's why.

A heat pump pumps heat from the "source" of heat to the "sink"



Dr Nikola Tesla (1856–1943)

or place that absorbs the heat. The "source" of heat should obviously be *hot* and the "sink" for heat should obviously be *cold* for this process to work the best. In your refrigerator, it's exactly the opposite. The "source" of heat is inside the box, which is cold, and the "sink" for heat is the room temperature air of your kitchen, which is warmer than the source. This is why the COP remains low for your kitchen refrigerator. But this is not true for all heat pumps.

COPs of 8 to 10 are easily attained with solar-assisted heat pumps. In such a device, a heat pump draws heat from a solar collector and dumps the heat into a large underground absorber, which remains at 55°F (12.78°C); mechanical energy is extracted in the transfer. This process is equivalent to that of a steam engine that extracts mechanical energy between the boiler and the condenser, except that it uses a fluid which "boils" at a much lower temperature than water.

One such system, tested in the 1970s, produced 350 hp, measured on a dynamometer, in a specially designed engine from just 100 square feet of solar collector. (This is *not* the system promoted by Dennis Lee.) The amount of energy it took to run the compressor (input) was less than 20 hp, so this system produced more than 17 times more energy than it took to keep it going! It could power a small neighbourhood from the roof of a hot-tub gazebo, using exactly the same technology that keeps the food cold in your kitchen.

Currently there is an industrial-scale heat pump system set up just north of Kona, Hawaii, which generates electricity from temperature differences in ocean water.

There are dozens of other systems that I have not mentioned, and many of them are as viable and well tested as the ones I have just recounted.

But this short list is sufficient to make my point: free energy technology is here, now. It offers the world pollution-free, energy abundance for everyone, everywhere.

It is now possible to stop the production of "greenhouse gases" and shut down all of the nuclear power plants.

We can now desalinate unlimited amounts of seawater at an affordable price and bring adequate fresh water to even the most remote habitats. Transportation and production costs for just about everything can drop dramatically. Food can even be grown in heated greenhouses in the winter, anywhere.

All of these wonderful benefits that can make life on this planet so much easier and better for everyone have been postponed for decades. Why? Whose purposes are served by this postponement?

UNSEEN ENEMIES OF FREE ENERGY TECHNOLOGY

There are four gigantic forces that have worked together to create this situation. To say that there is and has been a "conspiracy" to suppress this technology only leads to a superficial understanding of the world and it places the blame for this completely outside of ourselves. Our willingness to remain ignorant and actionless in the face of this situation has always been interpreted by two of these forces as "implied consent".

So, besides "a non-demanding public", what are the other three forces impeding the availability of free energy technology?

1. The Money Monopoly

In standard economic theory, there are three classes of industry: capital, goods and services. Within the first class, capital, there are also three sub-classes: natural capital, currency and credit. Natural capital relates to raw materials (such as a gold mine) and sources of energy (such as an oil well or hydroelectric dam). Currency relates to the printing of paper "money" and the minting of coins; these functions are usually the job of government. Credit relates to the lending of money for interest and its extension of economic value through deposit loan accounts. From this, it is easy to see that energy functions in the economy in the same way as gold, the printing of money by the government or the issuing of credit by a bank.

In the United States, and in most other countries around the world, there is a "money monopoly" in place. I am "free" to earn as much "money" as I want, but I will only be paid in Federal Reserve notes. There is nothing I can do to be paid in gold certificates or some other form of "money". This money monopoly is solely in the hands of a small number of private stock banks, and these banks are owned by the wealthiest families in the world. Their plan is eventually to control 100 per cent of all the capital resources of the world and thereby control everyone's life through the availability (or non-availability) of all goods and services. An independent source of wealth (a free energy device) in the hands of each and every person in the world would ruin their plans for world domination, permanently. Why this is true is easy to see.

Currently, a nation's economy can be either slowed down or sped up by the raising or lowering of interest rates. But if an independent source of capital (energy) were present in the economy, and any business or person could raise more capital without borrowing it from a bank, this centralised throttling action on interest rates would simply not have

the same effect. Free energy technology changes the value of money. The wealthiest families and the issuers of credit do not want any competition. It's that simple. They want to maintain their current monopoly control of the money supply. For them, free energy technology is not just something to suppress, it must be *permanently forbidden!*

So, the wealthiest families and their central banking institutions are the first force operating to postpone the public availability of free energy technology. Their motivations are the imagined "divine right to rule", greed and their insatiable need to control everything except themselves. The weapons they have used to enforce this postponement include intimidation, "expert" debunkers, buying and shelving of technology, murder and attempted murder of the inventors, character assassination, arson and a wide variety of financial incentives and disincentives to manipulate possible supporters. They have also promoted the general acceptance of a scientific theory that states that free energy is impossible (the laws of thermodynamics).

**Free energy technology
changes the value of
money.**

**The wealthiest families
and the issuers of credit
do not want any
competition.**

It's that simple.

2. National Governments

The second force operating to postpone the public availability of free energy technology is national governments. The problem here is not so much related to competition in the printing of currency but the maintenance of "national security".

The fact is, the world out there is a jungle and humans can be counted upon to be very cruel, dishonest and sneaky. It is government's job to "provide for the common defence". For this, "police powers" are delegated by the executive branch of government to enforce "the rule of law". Most of us who consent to the rule of law do so because we believe it is the right thing to do, for our own benefit. However, there are always a few individuals who believe that their own benefit is best served by behaviour that does not voluntarily conform to the generally agreed upon social order. These people choose to operate outside of "the rule of law" and are considered outlaws, criminals, subversives, traitors, revolutionaries or terrorists.

Most national governments have discovered by trial and error that the only foreign policy that really works over time is a policy called "tit for tat". What this means to you and me is that governments treat each other the way they are being treated. There is a constant "jockeying" for position and influence in world affairs, and the "strongest" party wins! In economics it's called "the Golden Rule", which states that "the one with the gold makes the rules". So it is with politics, also, but its appearance is more Darwinian. It's simply "survival of the fittest".

In politics, however, the "fittest" has come to mean the strongest party that is also willing to fight the dirtiest. Absolutely every means available is used to maintain an advantage over the "adversary", and everyone else is the "adversary" regardless of whether they are considered friend or foe. This includes outrageous psychological posturing, lying, cheating, spying, stealing, assassination of world leaders, proxy wars, alliances and shifting alliances, treaties, foreign aid and the presence of military forces wherever possible.

Like it or not, this *is* the psychological and actual arena in which national governments operate. No national government will ever do anything that gives an adversary an advantage simply for free. Never! It's national suicide. Any activity by any individual, inside or outside the country, which is interpreted as giving an adversary an edge or advantage in any way, will be deemed a threat to "national security". Always!

Free energy technology is a national government's worst nightmare! Openly acknowledged, free energy technology sparks an unlimited arms race by all governments in a final attempt to gain absolute advantage and domination. Think about it. Do you think Japan will not feel intimidated if China gets free energy? Do you think Israel will sit by quietly as Iraq acquires free energy? Do you think India will allow Pakistan to develop free energy? Do you think the USA would not try to stop Osama bin Laden from getting free energy?

Unlimited energy available in the current state of affairs on this planet will lead to an inevitable reshuffling of the "balance of power". This could become an all-out war to prevent "the other" from having the advantage of unlimited wealth and power.

Everybody will want it, and at the same time will want to prevent everyone else from getting it.

So, national governments are the second force operating to postpone the public availability of free energy technology. Their motivation is "self-preservation". This self-preservation operates on three levels: first, by not giving undue advantage to an external enemy; second, by preventing individualised action (anarchy) capable of effectively challenging official police powers within the country; and third, by preserving income streams derived from taxing energy sources currently in use.

Their weapons include preventing the issuance of patents on national security grounds, and the legal and illegal harassment of inventors with criminal charges, tax audits, threats, phone taps, arrest, arson, theft of property during shipment, and a host of other intimidations which make the business of building and marketing a free energy machine impossible.

4. Delusion and Dishonesty in the FE Movement

The third force operating to postpone the public availability of free energy technology consists of the group of deluded inventors and outright charlatans and con men. On the periphery of the

extraordinary scientific breakthroughs that constitute the *real* free energy technologies lies a shadow world of unexplained anomalies, marginal inventions and unscrupulous promoters. The first two forces have constantly used the media to promote the worst examples of this group, to distract the public's attention and to discredit the real breakthroughs by associating them with the obvious frauds.

Over the last 100 years, dozens of stories have surfaced about unusual inventions. Some of these ideas have so captivated the public's imagination that a mythology about these systems continues to this day. Names like Keely, Hubbard, Coler and

Hendershot immediately come to mind. There may be real technologies behind these names, but there simply isn't enough technical data available in the public domain to make a determination. These names remain associated with a free energy mythology, however, and are cited by debunkers as examples of fraud. But the idea of free energy taps very deeply into the human subconscious mind.

However, a few inventors with marginal technologies that demonstrate useful anomalies have mistakenly exaggerated the importance of their invention. Some of these inventors also have mistakenly exaggerated the importance of *themselves* for having invented it. A combination of "gold fever" and/or a "Messiah complex" appears, wholly distorting any future contribution they may make. While the research thread they are following may hold great promise, they begin to trade enthusiasm for facts, and the value of the scientific work from that point on suffers greatly. There is a powerful yet subtle seduction that can warp a personality if they believe that "the world rests on their shoulders" or that they are the world's "saviour".

Strange things also happen to people when they think they are about to become extremely rich. It takes a tremendous spiritual discipline to remain objective and humble in the presence of a working free energy machine. Many inventors' psyches become unstable by the inventors' just *believing* they have a free energy

Strange things also happen to people when they think they are about to become extremely rich. It takes a tremendous spiritual discipline to remain objective and humble in the presence of a working free energy machine.

machine. As the quality of the science deteriorates, some inventors also develop a "persecution complex" that makes them very defensive and unapproachable. This process precludes them from ever really developing a free energy machine, and fuels the fraud mythologies tremendously.

Then there are the outright con men. In the last 15 years, there is one person in the USA who has raised the free energy con to a professional art. He has raised more than US\$100,000,000, has been barred from doing business in the state of Washington, has been jailed in California, and he's still at it. He always talks about a variation of one of the *real* free energy systems, sells people on the idea that they will get one of these systems soon, but ultimately sells them only promotional information that gives no real data about the energy system itself. He has mercilessly preyed upon the Christian and Patriot communities in the USA and is still going strong.

This person's current scam involves signing up hundreds of thousands of people for locations where he will install a free energy machine. In exchange for letting him put the FE generator in their home, they will get free electricity for life and his company will sell the excess energy back to the local utility company. After becoming convinced that they will receive free electricity for life, with no out-front expenses, they gladly buy a video—which helps draw their friends into the scam as well. Once you understand the power and motivations of the first two forces I have discussed, it is obvious that this person's current "business plan" cannot be implemented. This one person has probably done more harm to the free energy movement in the USA than any other force, by destroying people's trust in the technology.

So, the third force postponing the public availability of free energy technology is delusion and dishonesty within the movement itself. The motivations are self-aggrandisement, greed, want of power over others and a false sense of self-importance. The weapons used are lying, cheating, the "bait and switch" con, self-delusion and arrogance, combined with lousy science.

4. A Non-Demanding Public

The fourth force operating to postpone the public availability of free energy technology is all of the rest of us. It may be easy to see how narrow and despicable the motivations of the other forces are, but actually these motivations are still very much alive in each of us as well.

Like the wealthiest families, don't we each secretly harbour illusions of false superiority and the want to control others instead of ourselves? Also, wouldn't we "sell out" if the price were high enough—say, take \$1 million dollars in cash, today? Or, like the governments, don't we each want to ensure our own survival? If caught in the middle of a full, burning theatre, do we panic and push all the weaker people out of the way in a mad scramble for the door? Or, like the deluded inventor, don't we trade a comfortable illusion once in a while for an uncomfortable fact? And don't we like to think more of ourselves than others give us credit for?

Or don't we still fear the unknown, even if it promises a great reward?

You see, really, all four forces are just different aspects of the same process, operating at different levels in the society. There is really only *one* force preventing the public availability of free energy technology, and that is the unspiritually motivated behaviour of the human animal. In the last analysis, free energy technology is an outward manifestation of Divine Abundance. It is the engine of the economy of an enlightened society—where people voluntarily behave in a respectful and civil manner towards each other; where each member of the society has everything they need and does not covet what their neighbour has; where war and physical violence are socially unacceptable behaviours; and where people's differences are at least tolerated, if not enjoyed.

The appearance of free energy technology in the public domain is the dawning of a truly civilised age. It is an epochal event in

human history. Nobody can "take credit" for it. Nobody can "get rich" on it. Nobody can "rule the world" with it. It is, simply, a gift from God. It forces us all to take responsibility for our own actions and for our own self-disciplined self-restraint when needed. The world as it is currently ordered cannot have free energy technology without being totally transformed by it into something else. This "civilisation" has reached the pinnacle of its development because it has birthed the seeds of its own transformation. The unspiritualised human animals cannot be trusted with free energy. They

will only do what they have always done, which is take merciless advantage of each other or kill each other and themselves in the process.

If you go back and read Ayn Rand's *Atlas Shrugged* (1957) or the Club of Rome's report, *The Limits To Growth* (1972), it becomes obvious that the wealthiest families have understood this for decades. Their plan is to live in "the world of free energy" but permanently freeze the rest of us out. But this is not new. Royalty has usually always considered the general popula-

tion (us) to be their subjects. What *is* new is that you and I can now communicate with each other better than at any time in the past. The Internet offers us, the fourth force, an opportunity to overcome the combined efforts of the other forces that are preventing the spread of free energy technology.

THE OPPORTUNITY FOR A JUST SOCIETY

What is starting to happen is that inventors are publishing their work instead of patenting it and keeping it secret. More and more, people are "giving away" information on these technologies in books, videos and websites. While there is still a great deal of useless information about free energy on the Internet, the availability of good information is rising rapidly. Check out the list of websites and other resources at the end of this article.

It is imperative that you begin to gather all the information you can on *real* free energy systems. The reason for this is simple. The first two forces will never allow an inventor or a company to build and sell a free energy machine to you! The only way you will ever get one is if you build it yourself (or get a friend to build

What is starting to happen is that inventors are publishing their work instead of patenting it and keeping it secret.

More and more, people are "giving away" information on these technologies in books, videos and websites.

it). This is exactly what thousands of people are already quietly starting to do. You may feel wholly inadequate to the task, but start gathering information now. You may be just a link in the chain of events for the benefit of others. Focus on what you can do now, not on how much is still to be done. Small private research groups are working out the details as you read this. Many are committed to publishing their results on the Internet.

All of us constitute the fourth force. If we stand up and refuse to remain ignorant and actionless, we can change the course of history. It is the aggregate of our combined action that can make a difference. Only the mass action that represents our consensus can create the world we want. The other three forces will *not* help us put a fuelless power plant in our basement. They will *not* help us be free from their manipulations.

Nevertheless, free energy technology is here. It is real, and it will change everything about the way we live, work and relate to each other. In the last analysis, free energy technology makes greed and the fear for survival obsolete. But like all exercises of spiritual faith, we must first manifest the generosity and trust in our own lives.

The source of free energy is *inside* of us. It is that excitement of expressing ourselves freely. It is our spiritually guided intuition expressing itself without distraction, intimidation or manipulation. It is our open-heartedness. Ideally, the free energy technologies underpin a just society where everyone has enough food, clothing, shelter, self-worth and the leisure time to contemplate the higher spiritual meanings of life. Do we not owe it to each other to face down our fears and take action to create this future for our children's children? Perhaps I am not the only one waiting to act on a greater Truth.

Free energy technology is here. It has been here for decades. Communications technology and the Internet have torn the veil of secrecy off this remarkable fact. People all over the world are starting to build free energy devices for their own use. The bankers and the governments do not want this to happen but cannot stop it. Tremendous economic instabilities and wars will be used in the near future to distract people from joining the free

energy movement. There will essentially be no major media coverage of this aspect of what is going on. It will simply be reported as wars and civil wars erupting everywhere, leading to UN "peacekeeper" occupation in more and more countries.

Western society is spiralling down towards self-destruction due to the accumulated effects of long-term greed and corruption. The general availability of free energy technology cannot stop this trend. It can only reinforce it. However, if you have a free energy device, you may be better positioned to survive the political/social/economic transition that is underway. No national government will survive this process. The question is, who will ultimately control the emerging World Government: the first force or the fourth force?

The last Great War is almost upon us. The seeds are planted. After this will come the beginning of a real civilisation. Some of us who refuse to fight will survive to see the dawn of the world of free energy. I challenge you to be among the ones who try.

About the Author:

Peter Lindemann, DSc, became interested in Free Energy in 1973 when he was introduced to the work of Edwin Gray. By 1981 he had developed his own free energy systems based on variable reluctance generators and pulsed motor designs. During the 1980s he worked off and on with both Bruce DePalma and Eric

Dollard. In 1988 he joined the board of Borderland Sciences Research Foundation and served until 1999. During this period he authored more than 20 articles for *The Journal of Borderland Research*.

Dr Lindemann is a leading authority on the practical applications of aether technology and cold electricity. Currently he is a Research Associate of Dr Robert Adams in New Zealand, as well as a close collaborator with Trevor James Constable in the USA. He is also Director of Research for Clear Tech, Inc. in the USA.

Dr Lindemann's book, *The Free Energy Secrets of Cold Electricity*, is reviewed in this issue; the companion video was reviewed last issue (8/03). Both are available from Clear Tech, Inc., www.free-energy.cc, and Adventures Unlimited, www.adventuresunlimitedpress.com, in the USA.

The source of free energy is
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Resources: Books

- Adams, Robert, DSc, *Applied Modern 20th Century Aether Science*, Aethmogen Technologies, Whakatane, New Zealand, special update 2001, 2nd edition.
- Aspden, Harold, Dr, *Modern Aether Science*, Sabberton, UK, 1972.
- Coats, Callum, *Living Energies*, Gateway Books, UK, 1996.
- Lindemann, Peter, DSc, *The Free Energy Secrets of Cold Electricity*, Clear Tech, Inc., USA, 2001.
- Manning, Jeane, *The Coming Energy Revolution: The Search for Free Energy*, Avery Publishing Group, USA, 1996.
- Rand, Ayn, *Atlas Shrugged*, Random House, 1957.
- Vassilatou, Gerry, *Secrets of Cold War*

Technology: Project HAARP and Beyond, Adventures Unlimited Press, USA, 1999.

Resources: Websites

- <http://energy21.terrashare.com/>
Developed by Geoff Egel in Australia. Best site on the Net!
- www.free-energy.cc/
Developed by Clear Tech, Inc. and Dr Peter Lindemann.
- <http://jnaudin.free.fr/>
Developed by JLN Labs in France.
- www.1dove.com/fe/index.html
Jim's Free Energy Page in the USA.
- www.keelynet.com/
Developed by Jerry Decker in the USA.
- www.xogen.com
Site for super electrolysis technology.

• www.rumormillnews.com

Excellent site for all kinds of alternative news, with many links.

Resources: Patents

Most of these patents can be viewed at www.delphion.com/. This is a sample of inventions that produce free energy:

- **Tesla:** USP #685,957 (1901)
- **Freedman:** USP #2,796,345 (1957)
- **Richardson:** USP #4,077,001 (1978)
- **Frenette:** USP #4,143,639 (1979)
- **Perkins:** USP #4,424,797 (1984)
- **Gray:** USP #4,595,975 (1986)
- **Meyer:** USP #4,936,961 (1990)
- **Chambers (Xogen):** USP #6,126,794 (1998).

THE DEEP DWELLERS

Age-old stories of underworld beings interacting with humanity have parallels with modern-day reports of abducting aliens and mysterious Men in Black.

Part 3 of 3

by Wm Michael Mott © 2000

Email: mottimorph@earthlink.net
Website:
<http://mpi.mpi-softtech.com/~mott>

RE-INVENTION, PARANOIA AND DECEPTION

2. THE MASKS MAY CHANGE, BUT THE PLAY'S THE SAME

The final three decades of the 20th century have been filled with rumours: conspiracy theories about alien abductions, plots for world domination shared between aliens and secret government, Illuminati cabals and the like. Several interesting variations on age-old theories have permeated the field of ufology and conspiracy literature alike, and in many places the two have overlapped and in fact have completely blurred into one. These latter areas are of particular interest and significance to the study at hand.

One of the most commonly reported manifestations of "alien invaders" are the EBE (extraterrestrial biological entities) type, commonly called "greys". These beings are the variety most often reported in abduction accounts, and they are highly ectomorphic with scrawny, underdeveloped limbs and bodies, oversized heads and extraordinarily large black eyes (some abductees have reported these to be actually "reptilian" or "birdlike" eyes with slit pupils, the "blackness" only a protective artificial film, like sunglasses). They are from three to five feet in height, averaging around four feet tall.

Again, their very physiology gives away their origins, for large protruding eyes with large slit pupils and needing an artificial protective covering would be hard to equate with a race that has mastered, and perhaps been genetically prepared for, interplanetary or interstellar travel. Outer space is an extremely bright, radiation-filled environment. The type of eyes described are those of a creature that spends most of its time in the darkness, as they are designed for optimum light reception. The shaded coverings, for venturing out into the surface world, are really self-explanatory.

Similarly, their bodies, small and easily manoeuvrable through tight spaces, with small surface area and a minimum of body-weight, are ideal for an underground environment. Their method of locomotion, generally described as "shuffling", with "hips moving strangely" or "sideways", is another indication that they have developed in a relatively cramped place or even one where tunnels are commonplace. They are often described as smelling "musty", "like a snake" or "like rotten eggs".

This type of entity allegedly abducts unfortunate human beings and conducts medical or genetic testing on them, sometimes removing sperm and ova for use in "hybridisation experiments" or for purposes unknown. The abductions almost always take place under cover of darkness (doubly helpful to the molesters, since the "harmful" sun has set and people are drowsy or asleep).

The victim is taken into a UFO (usually disc-shaped or shaped like a child's spinning-top) for experimentation and also for a form of indoctrination consisting of intense three-dimensional audiovisual presentations. The primary message of these presentations seems to deal with a concern over human destruction of the Earth's biosphere and biodiversity (recall the recurrent "faerie" interest in the same thing—a steady supply of genetic materials). This becomes even more telling when it is recalled that the first underground atomic tests were concurrent with the resurgence of "witnessed activity" of UFOs on a previously unprecedented scale. Those tests may have rattled more than a few windows in the desert!

During the medical aspect of the abduction, local anaesthetics are seldom if ever used, and the victim is left with a type of post-traumatic stress syndrome which at first is marked by amnesia and mental distress or unease, sometimes followed by nightmares, self-imposed social isolation and eventually a total recall of the experience, either through

natural recovery of memory or through hypnotic regression therapy.

Other common themes emerge as well. The entities are described by their victims as "drone-like", "robotic", "clinical" and so forth, and are also described as "reptilian", "lizard-like" or as having reptilian, birdlike or amphibian-like skin texture.

In many instances, the abduction experience moves to a "cavern city", "cavern world" or "underground base". It is in these latter subterranean places that "hybrid beings"—having "alien", human or other animal characteristics—have been reported as being seen in development, along with cannibalism and the torture of human beings. One such site has been alleged by several researchers and "abductees" as being beneath Archuleta Mesa near Dulce, New Mexico. In these prolonged episodes, other beings enter the scene—such as "hybrid" children who are frail, pale and ectomorphic but generally human in appearance. Some abductees have even said that these children look "like fairies"!

Other entities are not so harmless, such as a tall "human" type with an aristocratic "Aryan" look; these are generally referred to as "Nordics" in the UFO literature, and bear more than a slight resemblance to the "light elves" and Tuatha de Danaan of old. Are these the "fairy children", hybrids and "changelings", all grown up and hard at work?

Another type of entity is more sinister in both appearance and attitude, described as a "reptilian humanoid", "lizard man" or "reptoid" and ranging from five to eight or nine feet in height. These "reptoids" are usually characterised as being "in charge" of the other types, but upon occasion are said to report to taller, even stranger entities that resemble skeletally thin, giant "greys" or even giant "mantids". Normal surface humans, paramilitary in nature or appearance, are also seen in these underground areas.

Another interesting factor is that all of the entities described go to great lengths to convince their captives that they have come from "far away", from distant stars, planets and "vibrational frequencies" or dimensions. They have come all this distance because they are "worried about humanity", but they put out their heartfelt propaganda as they stick a huge needle in a woman's abdomen or up someone's nose without even a local anaesthetic.

Yet the biology of all the different types or castes of abductors, as horrific as it might appear to superstitious human eyes, is essentially that of animal forms which are natural to the Earth: mammalian and reptilian. Obviously, it is very important to these beings that such a logical connection not be made. If there is even a shred of truth to UFO abduction accounts, then it is more than apparent that the abductors want their victims and humanity at large to believe that they are from "somewhere else". While humanity looks continually upward at enigmas in the sky, what is transpiring beneath our very feet?

Additional folklore and literature parallels are apparent in the accounts described. The "greys" are identical to the order-following, human-abducting, drone-like Galatur and Ushabtiu of the Sumerian and Egyptian underworld mythologies. In Shetland

Island folklore, "little men" who abducted people were sometimes referred to as "grey neighbours", and the "greys" also bear a strong resemblance in head and torso structure to the cryptid *El Chupacabras*. The methodical imps and Djinn that served Satan and Shaitan come to mind as well, and of course Richard Shaver's "dero" are similar, especially in their use of high technology. The Nordics, sometimes seemingly the "enemies" of the grey and reptoid types, are often reported as working side by side with them in the underground facilities or labs, which recalls the fact that the Nagas were said to look "almost human" and reminds us of the mercurial dispositions of the aristocratic or Aryan faeries, the light elves/Tuatha de Danaan.

Additionally, the apocryphal hybrid offspring of the Nephilim and humans were described in the Book of Lamech and the Slavonic Book of Enoch as having an extremely Nordic or Aryan appearance, and were also said to have a reptilian patch of skin ("badge of priesthood") on their chests or elsewhere.

In Celtic Welsh myth, the lord of the underworld of Annwn had a "magical cauldron" that produced an endless supply of warriors for him. Was this an "Earth mother", "primal womb" archetype, or was it instead synonymous with producing offspring through gene-splicing, the "cauldron" actually a test tube?

The reptoids or lizard men are familiar as Nagas, Utukku, Ammut, "dragon kings", goblins, trolls and so on. They are also often described as smelling like rotten eggs or like sulphur.

Both the reptilians and the greys have in recent years passed from the UFO research realm into "conspiracy" literature, where they are said to be involved in "controlling the Earth" or are in the process of "taking over".

Several authors have published the theory that the reptilians are masters of illusion and holographic projection or are physical shape-shifters who are replacing world leaders, government officials and public figures as an insidious "fifth column". Here again are the changelings of European folklore, the hologram-utilising dero and the "serpent men", precisely as described by the fiction writer Robert E. Howard in his pulp-fiction tales of King Kull.

This is by no means a "new idea", revelation or suspicion, but is as ancient as the concept of an underworld itself.

Several authors have published the theory that the reptilians are masters of illusion and holographic projection or are physical shape-shifters who are replacing world leaders, government officials and public figures as an insidious "fifth column".

3. MEN IN BLACK

This treatise would not be complete without an examination of another mysterious player from the depths: "Men in Black", or "MIB". These cool cats figure prominently in both UFO and conspiracy literature. Thanks to the excellent work of researchers and writers John Keel and the late Jim Keith as well as the work of a host of others, many small and seemingly inconsequential facts have been obtained from witnesses and preserved.

Men in Black seem to fall into two categories: the standard men in black, who may be actual agents of secret government or military investigation/disinformation groups; and the MIB, who Keel indicates are somehow in league with or originating from the unseen forces behind the various cryptid or creature sightings as

well as the UFO phenomenon. It is the latter category, the MIB, that has bearing here.

These "mystery men" are usually described as of varying height and build, but more often than not they are on the thin side. They generally wear dark or black businesslike clothing, dark hats and sunglasses (again, the eye protection from the sun!). They are either olive-skinned and vaguely Oriental or Asiatic, or they are Nordic or Scandinavian in complexion, hair colour and physique. From the basic template of these two forms, strange variations have been reported: total hairlessness (not even having eyebrows or eyelashes); overly large, protruding eyes (a non-mammalian trait, for the most part, or perhaps due to an unaccustomed lack of atmospheric pressure); wheezing and other trouble breathing, as if unused to earthly (or surface?) air pressure (aeroembolism); unnatural joint movement and locomotion; "reptilian" or "froglike" cast of skin texture and facial features; webbed fingers; sulphurous or "metallic" odour; and a host of additional oddities of physical configuration.

Add to all of this the fact that these MIBs are often ignorant or in amazement of the most ordinary surface-world activities—trying to drink gelatin, refusing food and taking a pill instead, stealing or asking for small common objects (like writing pens) as apparently prized souvenirs—and they become even less human through their behaviour.

They often exhibit a strong interest in the sexuality or sexual habits of those they confront; and the longer they remain on the

surface, the more erratic, disoriented, lethargic or "drunk" they seem to become (a side effect of rapid depressurisation, or aeroembolism).

They have sometimes identified themselves to their unwilling visitants with cryptic statements, e.g., claiming to be citizens of the "Nation of the Third Eye"—an occult or secret society reference still widely utilised in symbology and ritual today by some "brotherhoods" of "enlightened" human beings, but which harks back to the "third eye" of the Nagas or the "skull pearl" of the Chinese dragons. Any relationship that this Nation of the Third Eye might have to modern-day secret societies is debatable, but the parallel exists.

Another clue lies in the fact that they arrive at their victims' doorsteps in shiny black cars that are in pristine condition, i.e., "like new". The puzzling thing is that these vehicles are almost always decades out of date and sometimes seem to be composites of several different makes of cars (still out of date). To remain unrav-

aged by the passage of time—oxidation, dry rot of tyres and so forth—they would have to be warehoused and maintained in an environment of constant temperature and low humidity, away from weather, sun and extreme changes in temperature. Add to this the manner in which both the cars and the men suddenly and inexplicably vanish, as if swallowed up by the Earth...but by now the premise is obvious. Some caverns are damp, but many others are exceedingly dry and remain constant in temperature, year round, after a certain depth.

These "mystery men" are usually described as of varying height and build, but more often than not they are on the thin side. They generally wear dark or black businesslike clothing, dark hats and sunglasses...

About the Author:

Wm Michael Mott is the Creative Director for a high-performance US software company. He is also a freelance artist and writer of both fiction and non-fiction. He has worked as an artist/designer for *Fortune 500* companies and for a variety of book and magazine publishers. His artwork has appeared in publications such as *Computer Graphics World Magazine*, *Computer Artist*, *IEEE Computer Graphics and Applications*, *Dragon Magazine*, *UFO Magazine* and others. He's created award-winning artwork and graphic design for mass-market book covers, posters, brochures, packaging, CD-ROM covers and art collections as well as for digital/web-based media. Mott's artwork has been featured in the exhibition *In Dreams Awake: Art of Fantasy* at the Olympia and York Gallery in 1988, at the 1987 World Fantasy Con and in other exhibits.

Mott's satirical fantasy novels, *Pulsifer: A Fable* and *Land of Ice*, *A Velvet Knife*, are available from the author in a deluxe version as *The Pulsifer Saga*, featuring full-colour illustrations. *The Pulsifer Saga* is now available in HTML format on CD-ROM from Mottimorphic Publishing Co.,

email mottimorph@earthlink.net. The first of a series of illustrated short stories appeared in September 2000 as a chapbook from Undaunted Press (www.undauntedpress.com) and can be found at the website www.blindside.net.smallpress/read/Exclusives/TempleOfTheSalamander/. Also see the Association of Science Fiction and Fantasy Artists website, www.asfa-art.org/Members/MikeMott/index.html.

Mott has been researching Fortean and paranormal topics for over 20 years and has only recently written the graphically rich book and CD-ROM, *Caverns, Cauldrons, and Concealed Creatures*, available from www.hiddenmysteries.com/redir/index111.html. Wm Michael Mott can be contacted by email at mottimorph@earthlink.net, or you can visit his website at <http://mpi.mpi-softtech.com/~mott>, where much of his original artwork is featured.

Bibliography of Non-Fiction Sources

1. *New Larousse Encyclopaedia of Mythology*, Hamlyn Publishing Group Ltd, 1968. Sections referenced: Assyro-Babylonian, Egyptian, Celtic, Indian, Chinese, Japanese.
2. *Myth and Mankind: Epics of Early Civilization – Myths of the Ancient Near East*,

Time-Life Books, 1998.

3. *Myth and Mankind: Epics of Early Civilization – Land of the Dragon*, Time-Life Books, 1999.

4. *The Controllers*, by Commander X, Abelard Productions, Inc.

5. *Flying Serpents and Dragons*, by R. A. Boulay, The Book Tree, 1997, 1998.

6. *The Forgotten Books of Eden: Lost Books of the Old Testament*, edited by Rutherford H. Platt, Jr, and J. Alden Brett, Gramercy Books, Random House, 1980.

7. *The Ramayana* by Valmiki, translated by William Buck, New American Library, 1978.

8. *Bhagavad-Gita As It Is*, by A.C. Bhaktivedanta Swami Prabhupada, The Bhaktivedanta Book Trust, 1972, abridged edition.

9. *Japanese Tales*, edited by Royall Tyler, Pantheon Books, 1987.

10. *The Samurai: A Military History*, by Stephen R. Turnbull, Macmillan Publishing Co., 1977.

11. *The Story of Sigurd (Volsunga Saga)*, translated from Icelandic by Eirikr Magnusson and William Morris; in *A Treasury of Fantasy*, Avenel Books, 1981.

12. *American Elves: An Encyclopedia of Little People from the Lore of 380 Ethnic Groups of the Western Hemisphere*, by John E. Roth, MacFarland Books, 1997.

History and folklore both have parallels. Folklore is filled with "dark men", "men dressed in black" and "grim reapers", often identified in previous centuries as sorcerers, demons, warlocks or other "servants of the Devil"—and, of course, the odour of sulphur and brimstone was a trademark of his from way back.

During the plague years of the Middle Ages, entities resembling both MIB and the now-standard grey aliens were often seen in areas that would shortly thereafter be stricken with an outbreak of the dreaded disease. On the eve of major events throughout history, people have repeatedly seen or been harassed by such beings.

As Keel points out in *Disneyland of the Gods* and his other excellent books, Julius Caesar, Napoleon and even Malcolm X all reported encounters with this variety of terrifying being. Hitler also was alleged to have had his share of midnight visits from a mysterious "Tibetan", and through him to have met "the New Man"—a sort of super-Aryan who he believed came from the interior of the Earth, and of whom he was most afraid.

How much fear, confusion and human suffering can be traced to uncanny visits from these "robotic yet human" *agents provocateurs*? Where are they from, who do they work for, and what is their long-term agenda? Could it be that their goal is to generate confusion and divisions, to keep humanity "looking upwards" for an invasion that will never come? The "invaders" may already be here, and may have been here all along. The evidence is in the folklore, religions, myths, literature and archetypes of humankind. Perhaps they're not "extraterrestrial" but "intra-terrestrial", and perhaps there's a vast, unknown world beneath our feet, stretching

down through secret, twisting tunnels and deep caverns to the Mohorovicic layer, which itself is an anomalous cavern region deep beneath the upper crust.

What if there is an unknown world beneath our feet—a world that is dependent upon the biodiversity and genetic wealth on the Earth's surface; a world that has been exploiting that wealth for thousands or millions of years, victimising the ignorant savages who roam the face of the sunlit world? Or could all of the evi-

dence be circumstantial and without merit, simply a misinterpreted conglomeration of coincidence and misidentified animals, natural phenomena and archetypes from the human collective unconsciousness? The critic could toss in an endless supply of overactive imaginations down through the millennia, but the evidence—dating back as it does for thousands of years of human traditions and continuing right up through the present day—says otherwise.

The reptilian, vampiric, robotic and demonic are all characteristics which have been attributed to underworld

beings down through the ages. They have haunted mankind's imagination and nightmares since our most remote time. These "archetypal" images speak to us of supernatural terrors and mysteries; but what if, instead, these beings are natural and technologically advanced to a degree that only until recently has been beyond our comprehension and therefore considered "magical" or impossible in their level of sophistication? If the latter is the case, then we would do well as a species to become more aware not only of our own planet but also of our mythic and folkloric heritage, for it speaks not of a symbiosis but of a nearly invisible "parasite" dwelling in the depths.

What if there is an unknown world beneath our feet— a world that is dependent upon the biodiversity and genetic wealth on the Earth's surface...?

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| <p>13. <i>Folktales of Norway</i>, edited by Reidar Christiansen, translated by Pat Shaw Iversen, University of Chicago Press, 1968.</p> <p>14. <i>Scandinavian Folk Belief and Legend</i>, edited by Reimund Kvideland and Henning K. Sehmsdorf, University of Minnesota Press, 1988.</p> <p>15. <i>An Encyclopedia of Fairies</i>, by Katherine Briggs, Pantheon Books, 1976.</p> <p>16. <i>Irish Folktales</i>, edited by Henry Glassie, Pantheon Books, 1985.</p> <p>17. <i>The Norse Myths</i>, by Kevin Crossley-Holland, Pantheon Books, 1980.</p> <p>18. <i>Celtic Myth and Legend, Poetry and Romance</i>, by Charles Squire, Bell Publishing Co., 1979.</p> <p>19. <i>Gods and Myths of the Viking Age</i>, by H. R. Ellis Davidson, Bell Publishing Co., 1981.</p> <p>20. <i>Passing Strange: True Tales of New England Hauntings and Horrors</i>, by Joseph A. Citro, Houghton Mifflin Co., 1997.</p> <p>21. <i>Myth and Mankind: Gods of Sun and Sacrifice – Aztec & Maya Myth</i>, Time-Life Books, 1997.</p> <p>22. <i>American Indian Myths and Mysteries</i>, by Vincent H. Gaddis, Indian Head Books, New York, 1992.</p> <p>23. <i>Popol Vuh</i>, translated by Dennis Tedlock, Simon & Schuster, 1985.</p> <p>24. <i>Maya: The Riddle and Rediscovery of a Lost Civilization</i>, by Charles Gallenkamp,</p> | <p>Viking Penguin, 1985.</p> <p>25. "That Old Time Choctaw Religion", by Len Green, <i>Bishinik Magazine</i>, June 1979.</p> <p>26. "Origins of the Choctaw People Retold from Old Legends", by Len Green, <i>Bishinik Magazine</i>, August 1980.</p> <p>27. <i>Lake Monster Traditions: A Cross-Cultural Analysis</i>, by Michel Meurger and Claude Gagnon, <i>Fortean Times</i>, 1988.</p> <p>28. <i>The Great Orm of Loch Ness</i>, by F. W. Holiday, W.W. Norton & Co., 1968.</p> <p>29. <i>Chupacabras and Other Mysteries</i>, by Scott Corrales, Greenleaf Publications, 1997.</p> <p>30. <i>Unexplained!</i>, by Jerome Clark, Visible Ink Press, 1999.</p> <p>31. <i>Sasquatch/Bigfoot</i>, by Don Hunter and Rene Dahinden, McClelland & Stewart, 1993, revised edition.</p> <p>32. <i>The Field Guide to Bigfoot, Yeti, and Other Mystery Primates Worldwide</i>, by Loren Coleman and Patrick Huyghe, Avon Books, 1999.</p> <p>33. <i>Subterranean Worlds Inside Earth</i>, by Timothy Green Beckley, Inner Light Productions, 1992.</p> <p>34. <i>Lost Continents and the Hollow Earth</i>, by David Hatcher Childress and Richard S. Shaver, Adventures Unlimited Press, 1999.</p> <p>35. <i>Subterranean Worlds</i>, by Walter Kafton-Minkel, Loompanics Unlimited, 1989.</p> <p>36. <i>The Secret World</i>, by Ray Palmer (with</p> |
| | <p>Richard S. Shaver), Amherst Press, 1975.</p> <p>37. <i>Architects of the Underworld</i>, by Bruce Rux, Frog Ltd, 1996.</p> <p>38. <i>Above Top Secret: The Worldwide UFO Coverup</i>, by Timothy Good, William Morrow, 1988.</p> <p>39. <i>Alien Contact: Top Secret UFO Files Revealed</i>, by Timothy Good, William Morrow, 1993.</p> <p>40. <i>The Bell Witch of Tennessee</i>, by Charles Bailey Bell, 1934; facsimile edition by Charles Elder, Publisher, 1972.</p> <p>41. <i>The Infamous Bell Witch of Tennessee</i>, by Charles Edwin Price, The Overmountain Press, 1994.</p> <p>42. <i>Disneyland of the Gods</i>, by John A. Keel, Illuminet Press, USA, 1995.</p> <p>43. <i>Our Haunted Planet</i>, by John A. Keel, Galde Press, 1999.</p> <p>44. <i>The Mothman Prophecies</i>, by John A. Keel, Illuminet Press, 1991.</p> <p>45. <i>Operation Trojan Horse</i>, by John A. Keel, G. P. Putnam & Sons, 1970.</p> <p>46. <i>Casebook on the Men in Black</i>, by Jim Keith, Illuminet Press, 1997.</p> <p>47. <i>Beowulf</i>, translated by Burton Raffel, New American Library, Mentor Books, 1963.</p> |

Bibliography of Fiction Sources

All fiction sources are referenced within the body of the treatise.



PROPHETIC MESSAGES FROM THE HOPI ELDERS

from John Hogue, April 2001

The Hopi Native Americans of the US Southwest have an ancient prophecy that has long foreseen the destruction of our present world through a purification by fire. You will know that the times for this purification are at hand with the fulfillment of a series of prophecies, known as the "final warnings".

The first set of warnings was meant to alert the Hopi elders of a future time when the purification of the world was at hand, after which they were expected to break their silence and warn the world of a second set of predictions hastening the onset of the purification of the world by fire.

Here is the first set of warnings:

Warning: An iron horse will come to the land of the red man.

Fulfilment: This is the train; it appeared in the 19th century.

Warning: The white man will raise metal wires into the skies.

Fulfilment: These are telegraph lines of the 19th century and, later, the power lines of the 20th century.

Warning: Cobwebs will crisscross the skies.

Fulfilment: These are the contrails of planes and jets.

Warning: The powers of the red, the swastika and the Sun will threaten Turtle Island.

Fulfilment: North America seen from space looks like the outline of a turtle. (Do not ask me how pre-Columbian seers knew that.) In World War II and in the Cold War that followed, these three "powers" did threaten North America. The swastika of the Nazis and, later, the "red" forces of the Communists of Russia and China beset Turtle Island. The powers of the Sun did directly scorch the earth of native lands when the white man tested his atomic bombs in Nevada and New Mexico near the Hopi sacred lands in Arizona.

Warning: The white man will create a gourd of ashes that will lay waste to the land and keep it infertile for generations.

Fulfilment: These are atomic bombs. Radiation is the sterilising plague.

Warning: The fulfilment of this first set of signs will warrant the Hopi elders to end their long silence and spread their prophetic

message that the great purification is at hand. They will share their message and their wisdom with the people of the world so that everyone may prepare or soften its blow upon the Earth.

Fulfilment: Indeed, over 50 years ago, the Hopi elders agreed that the first wave of signs had all been fulfilled. They therefore began warning the world about the prophecies of a coming purification. Some of the elders, such as Thomas Banyaca, have explained the prophecies on national television and have spoken before the full assembly of the United Nations.

Now comes the second set of final warnings:

Warning: A tribe of red-hatted and red-cloaked people will come in great numbers from the East, travelling through the air. They will colonise the Western American lands and then scatter and disappear.

Fulfilment: The Tibetans came calling on the Hopi elders when the first three precursory signs in their own 1,200-year-old prophecy concerning the transplantation of their religion to America were fulfilled.

This prophecy, which came from Padmasambhava, the founder of Tibetan Buddhism, says: "When the iron bird flies

[a reference to airplanes] and the horse runs on wheels [cars], the Tibetan people will be scattered like ants across the face of the Earth, and the Dharma will come to the land of the red men."

Since the 1970s, the Dalai Lama and a number of maroon-robed priests fulfilled Hopi prophecy by regularly paying a visit to the Hopi elders and moving on.

Many Hopis also believe that a later visitation in the 1980s of red-cloaked/capped followers of Bhagwan Sri Rajneesh, coming in their thousands to eastern Oregon, completes the prophecy. Even a handful of Rajneeshes, aware of the prophecy, paid a visit to the Hopi elder-in-chief, Grandfather David Monongye, in 1985, before they and their fellow red-clothed travellers soon vanished from sight. I report on this meeting in detail in my book, *Messiahs: The Visions and Prophecies for the Second Coming*.

Warning: The white man will steal rocks from the Moon. This is a danger sign, that we are in the final days before the purification.

Fulfilment: The Apollo Moon landings unearthed (or should I say "unmooned"?) hundreds of pounds of Moon rocks, taking them back to Earth. Indeed, I saw one sitting under glass at the United Nations, just outside the main theatre where the Hopi elders shared their prophecies with the UN assembly just a few years before.

Warning: The white man will build a permanent house in the sky. This is the final warning before the purification.

Fulfilment: MIR may have blazed its way down to the sea in fragments, but the far more permanent International Space Station traverses our skies today. It will be fully operational in a few more years. One could argue that it is already operational and therefore the times of the purification have come.

There are hundreds of prophecies from other apocalyptic traditions that support the idea of some death and rebirth of the world shortly after the turn of the millennium. Those who have read my books know that I interpret the coming Hopi purification by fire in two ways.

If fear and robotic adherence to fossilised traditions remain the motivating forces of our destiny, then the "fires" of war, global warming, collective anger and stress will

burn our civilisation down before the next 50 years are out.

However, if in the same period of 50 years the message of personal transformation and meditation is heeded by enough individuals around the world and they start changing themselves, then the "fires" coming to purify the world will be those of love, awareness, genius and compassion.

I believe we will see the blazing of both inner and outer fires in the coming years. The question then remains: which fire would you like to be purified by?

With that said, I would like to share with you a message I received off the Internet. It is purportedly an open letter of advice on how to get through the year 2001, coming from a spokesperson for the Hopi elders. I have not yet confirmed whether this message is indeed from the Hopi elders, but my own understanding of their prophecies makes me presume that it is authentic. Here it is:

To my fellow swimmers:

There is a river flowing now very fast.

It is so great and swift that there are those who will be afraid.

They will try to hold on to the shore; they are being torn apart and will suffer greatly.

Know that the river has its destination.

The elders say we must let go of the shore, push off into the middle of the river, keep our heads above water.

And I say, see who is there with you and celebrate.

At this time in history, we are to take nothing personally, least of all ourselves, for the moment that we do, our spiritual growth and journey come to a halt.

The time of the lone wolf is over.

Gather yourselves.

Banish the word "struggle" from your attitude and vocabulary.

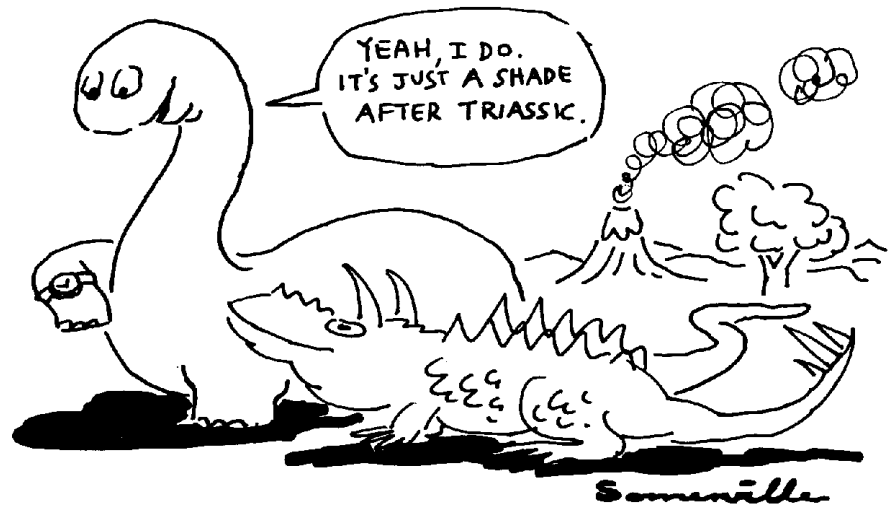
All that we do now must be done in a sacred manner and in celebration.

We are the ones we have been waiting for.

The river is a metaphor for the fast white water currents of our present times in this new millennium. The call to abandon "the shore" we know and flow down the current of an unknown destiny is a common theme in the Hopi purification prophecy. I have heard the elders put it in another metaphorical way: people will "drop dead in their own fear of change" if they do not embrace the coming changes. Those people who can not only embrace change but celebrate their journey into an unknown and new millennium will greatly benefit from the coming purification of the world.

Certainly, the call to celebrate life—and make every one of life's simple actions sacred—is a common message the Hopi share with those modern mystics and prophets like Adi Da, Gurdjieff and Osho. All of them promote a vision of a coming new humanity that transcends its past attachments through meditation and celebration of life. Happy floating down the unknown river, to you all!

(Source: John Hogue, 16 April 2001, from his HogueProphecy Archives at website www.hogue-prophecy.com. A self-styled "rogue scholar", Hogue is the author of *Messiahs: The Visions and Prophecies for the Second Coming*, *Nostradamus: The Complete Prophecies* and *The Last Pope: The Decline and Fall of the Church of Rome*.)



THE TWILIGHT ZONE

SOVIET MILITARY ENCOUNTERS WITH UNDERWATER ALIENS AND UFOs

by George Filer, *Filer's Files* © 2001

Researcher Paul Stonehill writes that there are numerous Soviet accounts of strange objects beneath the surface of the sea.

In the summer of 1982, Mark Shteynberg along with Lt Colonel Gennady Zverev were conducting periodic training of the reconnaissance divers ("frogmen") of the Turkestan and Central Asian military regions. The training exercises had been taking place at Lake Issyk-Kul, a deep-water lake in the Transiliysk Alatau area.

Quite unexpectedly, the officers were paid a visit by Major-General V. Demyanko, Commander of the Military Diver Service of the Engineer Forces of the Ministry of Defence. He arrived to inform the local officers of an extraordinary event that had occurred during exercises in Siberia.

Frogmen had encountered mysterious underwater swimmers, very human-like, but huge in size (almost three metres in height)! The swimmers were clad in tight-fitting silvery suits, despite icy-cold water temperatures. At a depth of 50 metres, these "swimmers" were not wearing aqualungs but sphere-like helmets concealing their heads.

Alarmed by these encounters, the local military commander decided to capture one of the creatures. With that purpose in mind, a special group of seven frogmen

chased one of the strange swimmers. As they tried to cover the creature with a net, the entire group was thrown out of the deep waters to the surface by a powerful force.

The frogmen were in danger of dying because they needed decompression stops to equalise the pressure in their bodies. All of the members of the ill-fated expedition were stricken by decompression sickness, known as caisson disease. The only remedial treatment available was to place them in a decompression pressure chamber. Unfortunately, the closest one could handle only two persons. Four frogmen were put in the chamber, three perished and the rest became invalids.

The Major-General rushed to Issyk-Kul to warn against similar "devil may care" actions. Although Lake Issyk-Kul is more shallow than Lake Baikal, both contained similar mysterious creatures.

A short time later, the Turkmenistan military received an order from the Commander-in-Chief of the Land Forces. The order consisted of detailed analysis of the Lake Baikal events. The documents contained bulletins from Engineer Forces, listing appearances of underwater creatures in numerous lakes, giant discs and spheres coming in and out of the lakes, powerful lights emanating from the deep, etc. The documents were highly classified and were used "to prevent unnecessary encounters".

Mark Shteynberg served near Lake Sarez in the Pamir Mountains. This lake is roughly a kilometre-and-a-half deep. Sophisticated radar "tracking" of US SDI satellites was conducted in this area. The

radar repeatedly tracked disc-like objects diving and submerging into Lake Sarez, then later surfacing and lifting off.

The Russian Ufology Research Centre's files contain similar statements by naval officers and intelligence operatives. The most interesting information will be published in a new book co-authored by Paul Stonehill and Philip Mantle. The secret files of the Soviet Navy contain much valuable information on UFO sightings; Soviet military researchers were quite thorough.

Mr Krapiva attended lectures by Soviet submariners who reported contact with high-speed underwater objects picked up on Soviet sonar. Hydroacoustics technicians were "hearing" strange "targets" at great depths. Their submarines were actually being chased by other "submarines". The pursuers changed their speed at will—speeds that were much faster than any other similar vessel in the world was capable of.

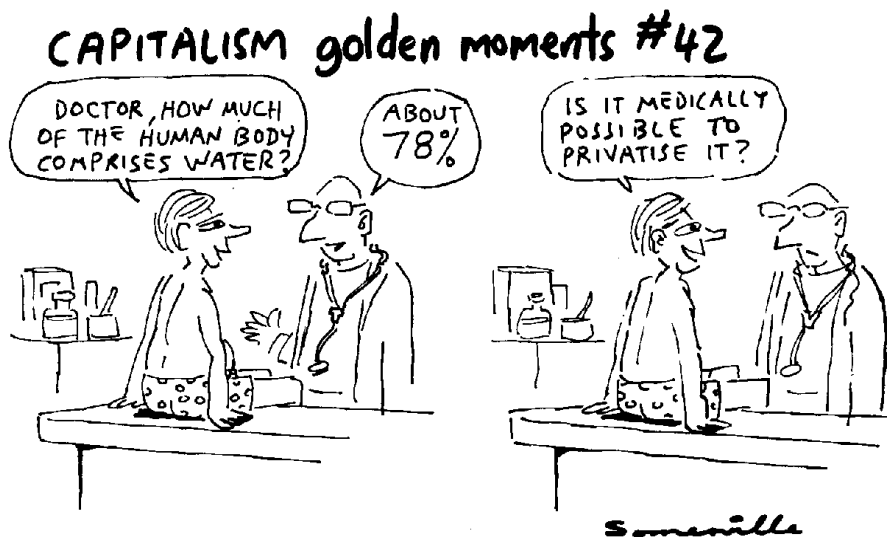
Lieutenant-Commander Oleg Sokolov informed his students that in the 1960s, while he was on duty with his submarine's navigation, he had observed through the periscope a strange object ascend through the water and "take off".

Professor Korsakov of Odessa University reported that Soviet officers from Sevastopol Naval Base had observed and photographed a UFO ascend from behind a battle cruiser in the Black Sea in the 1950s.

In August 1965, the crew of the steamship *Raduga*, while navigating in the Red Sea, saw a fiery sphere dash out from under the water. As the sphere emerged from the sea, it created a gigantic pillar of water as it ascended upwards; the pillar collapsed some moments later. The sphere was 60 metres in diameter and hovered 150 meters above the ship, illuminating the sea.

In December 1977, not far from South Georgia Island, the crew of the fishing trawler *Vasily Kiselev* observed a doughnut-shaped object rising out of the sea. Its diameter was between 300 and 500 metres and caused the trawler's radar to stop operating. The object hovered over the area for three hours and then suddenly disappeared.

In June 1984, seaman Alexander G. Globa, from the Soviet tanker *Gori*, was in the Mediterranean, 20 miles from the Strait of Gibraltar. At 1600 hours, Globa was on duty; with him was second in command S. Bolotov. They were standing watch when both men observed a strange, polychromatic object. When the object was astern, it stopped suddenly. S. Bolotov



was agog, shaking his binoculars and shouting: "It is a flying saucer, a real saucer, my God, hurry, hurry, look!"

Globa looked through his own binoculars and saw at a distance, over the stern, a flattened-out object that looked like an upside-down frying pan. The UFO was gleaming with a greyish metallic shine. The lower portion of the craft had a precise round shape, about 20 metres in diameter. Around the lower portion of it, Globa also observed "waves" of protuberances on the outside plating. The base of the object's body consisted of two semi-discs, the smaller being on top; they slowly revolved in opposing directions.

At the circumference of the lower disc, Globa saw numerous shining, bright, bead-like lights. The bottom portion of the UFO appeared completely even and smooth, its colour that of a yolk, and in the middle of it Globa discerned a round nucleus-like stain. At the edge of the UFO's bottom, which was easily visible, was something that looked like a pipe; it glowed with an unnaturally bright, rosy colour, like a neon lamp. The top of the middle disc was crowned by a triangular-shaped "something". It seemed that it moved in the same direction as the lower disc, but at a much slower pace.

Suddenly, the UFO jumped up several times, as if moved by an invisible wave. Many lights illuminated its bottom portion. The *Gori's* crew tried to attract the object's attention using a signal projector.

By that time, Captain Sokolovsky was on the deck with his men. He and his second in command were watching the object intensely.

However, the UFO's attention was distracted by another ship approaching at the port side. It was an Arab dry cargo ship on its way to Greece. The Arabs confirmed that the object was hovering over their ship.

A minute and a half later, the object changed its flight trajectory, listed to the right, gained speed and ascended rapidly.

The Soviet seamen observed that when it rose through the clouds, appearing and disappearing again, it would occasionally shine in the Sun's rays. The craft then flared up, like a spark, and was gone instantly.

(Sources: Reports from the Odessa magazine *Zagadki Sfinksa*, 3/1992. George Filer's article first appeared in *Filer's Files* #16, 17 April 2001, www.filers-files.com, with thanks to Paul Stonehill.)

ANCIENT PERUVIAN CITY AS OLD AS EGYPTIAN PYRAMIDS

An advanced civilisation was thriving on the coast of Peru at the same time as the pyramids were built in Egypt—more than 1,000 years earlier than was previously thought, American researchers have discovered. New radiocarbon dating of reed fibres found at Caral, in the Supe River valley, 120 miles north of Lima, has revealed that the ancient city was built as early as 2600 BC, making it by far the oldest urban settlement yet identified in the Americas. The fibres were from woven bags that workers had used to haul stones for the buildings and left inside the structures. As the reeds live for only a year, the dates are very specific: 2627 BC.

The findings, published in the journal *Science* (April 27;292:723-726), suggest that the significance of the Caral civilisation has been badly underestimated by archaeologists and anthropologists.

The inhabitants of the city had developed technology on a par with much of that found in Ancient Egypt at about the same time. They had the know-how to irrigate fields and build monumental pyramids, yet never learnt to make ceramic pottery.

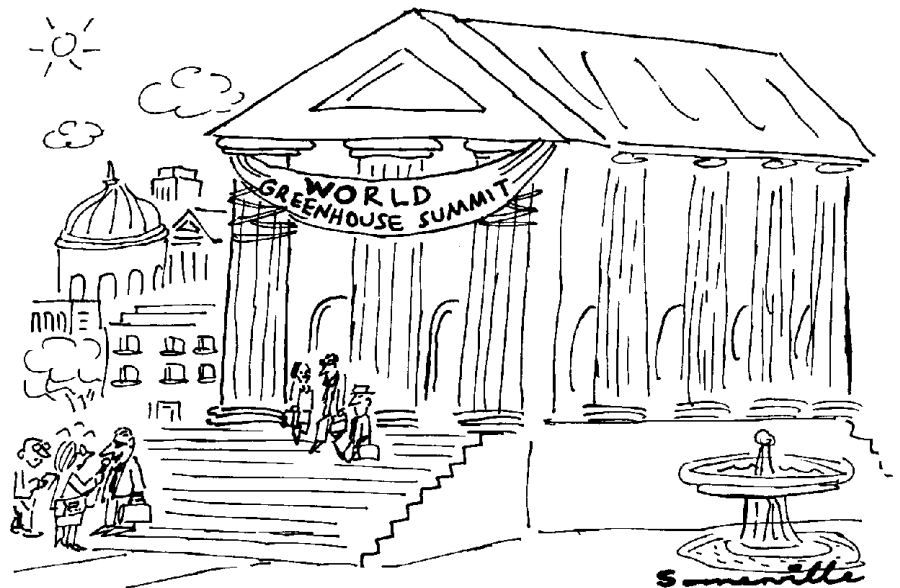
Dr Jonathan Haas, curator of anthropology at the Field Museum in Chicago, who led the study, said Caral had previously

been dated to c.1600 BC. "Our findings show that a very large, complex society had arisen on the coast of Peru centuries earlier than anyone thought," he said.

Caral is dominated by a central zone containing six large platform mounds arranged around a huge public plaza, 1,800 feet (540 metres) in diameter. The largest of these mounds, known as *Piramide Mayor*, stands 60 feet (18 metres) high and measures 450 by 500 ft (120 by 150 m) at its base. All six central mounds were built in only one or two phases, providing strong evidence of complex planning, centralised decision-making and mobilisation of a large labour force. Stairs, rooms, courtyards and other structures were constructed on top of the pyramids as well as on the side terraces.

Excavations are now planned to determine whether there were rooms or tombs inside the mounds. Other architecture at the site also indicates a high level of cultural complexity. In particular, three sunken circular plazas testify to the emergence of a well-organised religion with open, public ceremonies. Other villages in Peru occupied before 2600 BC had much smaller-scale public platforms or stone rings.

(Sources: *The Times*, April 27, 2001, www.thetimes.co.uk; *Science*, April 27, 2001, www.science.org)



"Major breakthrough. We got multilateral agreement that politicians will cut back platitudes to fifty percent by 2010."

REVIEWS



BOOKS

Reviewed by Ruth Parnell

MEDICAL PIONEER OF THE 20TH CENTURY: An Autobiography by Dr Archie Kalokerinos

Biological Therapies Publ., Australia, 2000
ISBN 0-646-40852-6 (464pp tpb)

Price: A\$24.95 + A\$6 p&h in Aust, A\$10 to NZ, A\$13 to Asia/ Pacific, A\$18.50 to UK/Europe, A\$16 to USA/Canada

Available: **Australia**—Biological Therapies, POB 702, Braeside, Vic 3195, tel +61 (0)3 9587 3948, Biol@Biol.com.au

This is the long-awaited autobiography by Dr Archie Kalokerinos, the much-loved Greek-born Australian physician, now in his 70s and "retired", who has pioneered new medical treatments, fought injustices and incurred the wrath of some sections of the medical establishment over the years.

Dr Kalokerinos's story is not in complete chronological order; some chapters focus more on specific discoveries and clinical experience. He tells of his upbringing, his medical school training and disillusionment, his overseas travels, his life as an opal miner and his return to medical practice.

From the late 1950s he turned his attention to reversing the extremely high infant mortality rate in Australian Aboriginal communities. His observations of diseases caused by vitamin deficiencies led him to understand the critical importance of vitamin C in not only preventing diseases like scurvy but in counteracting the life-threatening symptoms of acute scurvy. (Vitamin C pioneer Dr Linus Pauling he counted as a personal friend.) Dr Kalokerinos also found that chil-

dren brought up on nutrient-depleted diets and who eventually refused to eat were deficient in zinc, and he reversed their conditions with zinc supplementation.

The path has not been an easy one for the dedicated Dr Kalokerinos, despite the successes over the decades. His key contributions to understanding cancer, otitis, scurvy, AIDS, shaken baby syndrome, vaccine damage and other problems are still being "processed" by the medical and judicial establishments. His work does not cease, even in retirement; nor does his influence.

THE BIG BREACH by Richard Tomlinson

HarperCollins, Australia, 2001 (first published by Cutting Edge Press, UK, 2001)
ISBN 0-7322-7094-4 (319pp tpb, Aust); 1-9038-1301-8 (UK)

Price: A\$29.95; NZ\$34.95; £9.99

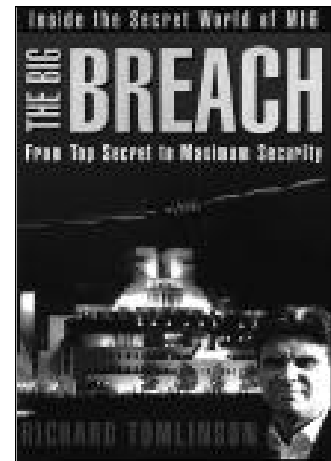
Available: **Aust/NZ**—HarperCollins; **UK**—The Book Service, tel 01206 256000, **USA**—Trafalgar Square Publishing, tel (802) 457 1911

If you've read the article entitled "On Her Majesty's Secret Service" in NEXUS 7/06 and the affidavit in 8/01, you'll have had a sneak peak of former MI6 agent Richard Tomlinson's story. *The Big Breach* is the book he had published first as a Russian language edition in Russia in January, so as to put it on the public record and circumvent any suppression by the British Government through the courts. Understandably, it's become a bestseller in the UK since the English version was published in February.

If you followed the mainstream press coverage, you'd be none the wiser about this "renegade" British spy threatening to spill the beans on the British Secret Intelligence

Service (SIS or MI6) and popping up in France, Australia and New Zealand, only to be arrested, searched and deported by police agencies on orders from MI6. But there's always another side. Tomlinson describes for the public record his recruitment to MI6 while at Cambridge, the training he underwent and the secrecy technology/practices he was privy to, and the details of his involvement in MI6 operations in Moscow, Sarajevo and elsewhere. His original gripe with MI6 was a personnel issue, but the agency didn't see things his way and has hounded him in the five years since he left.

Sure, Tomlinson reveals sensitive information about foreign operations that the SIS would prefer were not revealed, but he also paints a damning picture of the behind-the-scenes workings of an agency that considers itself above the law and unaccountable to the public. His book is both a real-life spy thriller and a call to action to change British secrecy laws in the public interest.





REVIEWS

THE ARCADIAN CIPHER The Quest to Crack the Code of Christianity's Greatest Secret

by Peter Blake & Paul S. Blezard

Sidgwick & Jackson, UK, 2000

ISBN 0-283-07288 (286pp tpb)

Price: A\$30.70; NZ\$/n/a (pb available Dec 2001); £9.99

Available: **Aust/NZ/UK**—Macmillan, website www.macmillan.com

Speculation on the Rennes-le-Château mystery has been rife since the 1982 release of Baigent, Leigh and Lincoln's *The Holy Blood and The Holy Grail*, and it is given a new twist in *The Arcadian Cipher*.

Art restorer/historian Peter Blake had already become aware of a hidden pentagram geometry underpinning Signorelli's painting, *The Education of Pan*. Later he realised that Lincoln had uncovered a similar geometry in Poussin's *The Shepherds of Arcadia*. (These aren't perfect pentagrams, mind you, and any five coordinates can be turned into a pentagram.) So, when Blake superimposed the pentagrams of related paintings onto a map of the Rennes-le-Château region, he saw more precise clues.

His location search took him to the very place Poussin depicted in *The Shepherds of Arcadia*—below which, in the cliff face, he discovered two small cavern-tombs containing relevant clues, but any sarcophagi therein had long since been removed. Could these have been the secret burial places of Jesus and Mary Magdalene that were sought by the Merovingian king Dagobert I, the Knights Templars and even the Nazis? And did Dagobert find and raid these tombs?

In 1998, Peter Blake began collaborating with writer Paul Blezard, who augmented

Blake's nearly 20 years of notes. Their "big picture" story takes in the esoteric archaeology of Babylon and Egypt, the mystical Kabbalah and the Gnostics, the "myth" of the Crucifixion and the political imperative behind Jesus and Mary Magdalene's reputed escape to France. Blake's thesis cannot be proved absolutely—as he admits—but it's uncanny that his trail culminated in his finding such significant evidence where he did.

THE PHILADELPHIA EXPERIMENT MURDER: Parallel Universes and the Physics of Insanity

by Alexandra Bruce

Sky Books, USA, 2001

ISBN 0-09631889-5-X (244pp tpb)

Price: £n/a; NLGf55.90; US\$19.95

Available: **UK**—Enquire NEXUS Office,

tel 01342 322854; **Europe**—NEXUS

Office, tel +31 (0)321 380558; **USA**—Sky

Books, www.time-travel.com/skybooks;

Adventures Unlimited, tel (815) 253 6390

To get the most out of this book, you need to have some familiarity with the "legends" of the Philadelphia Experiment and the Montauk Project. The central character of *The Philadelphia Experiment Murder* is Phil Schneider, a geologist who claims to have been a subcontractor on US black-budget military projects. Flaunting retribution under the National Security Act, he was a regular on the UFO lecture circuit from the 1980s, speaking out about secret government/alien liaisons—until he died under suspicious circumstances in 1996.

It turns out that Phil Schneider was the son of Oscar Otto Schneider, a former German U-boat captain who was secretly recruited into the US Navy during World War II—and

purportedly was involved as a medical officer during the infamous 1943 Philadelphia Experiment in radar invisibility or teleportation (depending on the story).

Author Alexandra Bruce provides more fascinating tangents to the unfathomable layers of these stories; and in studying and interviewing individuals whose sanity, or at least their versions of the facts, is open to question, she herself risks crossing the boundaries of credibility—but all is forgiven in her "Reality Check" chapter (losing friends when you're in this line of research is sad, but often inevitable). So many events discussed cannot be proved, but the context, which takes in quantum physics, parallel universes and Earth realities, time travel and altered states of consciousness, cannot be dismissed lightly. And who says the US Navy stopped researching teleportation in 1943? Bruce drags up an eyewitness who suggests that it's already a reality.



REVIEWS



CANCER – CAUSE & CURE A 20th Century Perspective by Percy Weston

Book Bin Publishing, Australia, 2000
ISBN 0-646-40313-3 (161pp tpb)
Price: A\$24.95 + p&h

Available: **Australia**—Book Bin Publishing, 5 Percy Court, Adelaide, SA 5000, tel (08) 410 5888, email sales@bookbin.com.au

Born in 1903 in rural Victoria, Australia, Percy Weston is a farmer/horticulturalist with a flair for chemistry and a penchant for studying the processes of nature.

Through trial and error and by observing the effects on the health of his livestock—and himself—of adding superphosphate to the soil, he was led to conclude that too high a level of phosphorus causes an imbalance of minerals and triggers uncontrolled cell growth, which then leads to cancer and other diseases like arthritis.

Over the years, Percy suffered a number of health crises, one as a result of spray drift from a cocktail of 2,4,5-T and 2,4-D, which had endocrine-disrupting effects. But he managed to reverse his problematic health conditions by reverting to a diet with a relatively high calcium-to-phosphorus ratio and significant sodium, magnesium and potassium—helped along by the intake of a special powder of alkaline mineral salts he developed back in the 1930s and has since patented (Australian Patent No. 518,393).

The appendix to *Cancer: Cause & Cure* contains testimonies from a number of individuals who have tried Percy Weston's formula with great success against a number of diseases including cancer and gout.

Weston summarises some significant highs and lows in his remarkable life history and

discusses a selection of treatments, such as Gerson therapy and Hulda Clark herbs, that complement his unique perspective.

Percy Weston's story is a cautionary tale that tempers the madness of agrichemical agriculture with the sanity of sustainability.

POLITICS IN HEALING Suppression and Manipulation in American Medicine by Daniel Haley

Potomac Valley Press, USA, 2000
ISBN 0-9701150-0-8 (465pp tpb)
Price: US\$19.95 + US\$4 s&h in USA + s/tax in CA; foreign p&h, contact publisher
Available: **USA**—Potomac Valley Press, PO Box 536342, Grand Prairie, TX 75050-6342, tel 1800 898 0639 (toll-free in USA), www.politicsinhealing.com

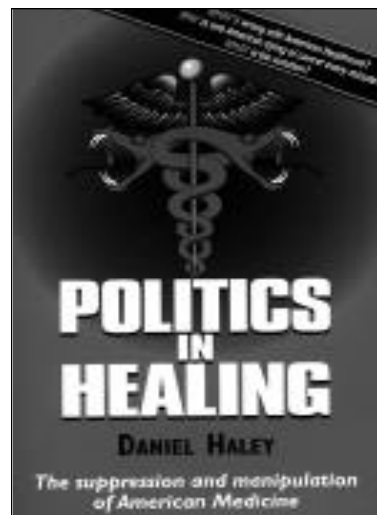
There's something seriously wrong with the US healthcare system when one American dies of cancer every minute and an average of 106,000 die every year from the effects of FDA-approved pharmaceutical drugs (the fourth leading cause of death).

Behind this terrible state of affairs is "official medicine", comprising groups like the FDA, AMA, NIH, NCI and other institutions and drug companies that have been actively suppressing alternative, non-toxic medical therapies—and information about them—since early in the 20th century.

Daniel Haley is a staunch advocate of health freedom and non-toxic therapies. In the 1970s he was a New York State legislator, during which time he encountered many examples of nefarious political dealings related to alternative medical treatments. This ultimately launched him on a 10-year research program, which resulted in this

hefty book, *Politics in Healing*. In it, he reports on 10 cases (mostly involving cancer cures) that speak volumes about political interference in medicine and healing through the last century: the Hoxsey formula; Dr William Koch's glyoxylyde; Dr Royal Rife's tumour-busting frequency device; Dr Andrew Ivy's krebiozen; Dr Stanley Jacob's DMSO; Drs Petersen and Campbell's microbe-targeting colostrum; Gaston Naessens' 714-X; Dr Robert Becker's and Dr Daniel Kirsch's bioelectrics research; Dr Joseph Gold's hydrazine sulphate; and Dr Stanislaw Burzynski's antineoplastons. Each case involves persecutions and trials by the authorities and the cures being made illegal and then lost or sent underground.

Freedom from the medical bureaucracy is the answer, and Haley sets out a plan for how the system can be changed and legislated to work for the people, not against.





REVIEWS

THE LAND OF NO HORIZON The Inner Earth Holds the Secret to the Origins of Humanity

by Kevin Taylor and Matthew Taylor

tlonh.com, Australia, 2001

ISBN 0-646-41057-1 (283pp tpb)

Price: A\$32.00; foreign p&h, visit
publisher's website

Available: **Australia**—tlonh.com, PO Box
210, Ramsgate, NSW 2217, email
enquiries@tlonh.com,

website www.thelandofnohorizon.com

The human race is a misfit species and our unique biological makeup indicates we partly evolved from an environment different from the Earth's surface, argue Kevin and Matthew Taylor in *The Land of No Horizon*. What sort of environment? One of constant light and warmth, of low ultraviolet radiation and lesser gravity, and a 28-day lunar-based time cycle.

So, short of going off-planet, what are we left with as the place of our origin? The interior of planet Earth, the authors suggest. But rather than be too focussed on other intelligent life forms that may have tampered with our evolution (as they have, the authors contend), they build up their thesis supporting a hollow Earth theory.

Central to their argument is the action of Earth expansion, which they say created the continents and the oceans as well as such anomalies as an inner ocean deep within the crust (the Moho discontinuity?). They theorise that quantities of its waters can be released into the outer ocean in great vortex-driven upwellings during an atmospheric pressure equalisation event that the planet periodically undergoes. Such upwellings have been witnessed at sea and from the air,

say the authors. Indeed, a huge upwelling may have caused the Great Flood of biblical times (and the authors don't discount the Book of Genesis as a source of information).

Looking at studies of the Sun and other planets in our solar system, such as Jupiter and Mars, the authors also consider the possibility of Earth having an inner sun.

The text is generously interspersed with diagrams that highlight the authors' theories. While more a stream-of-consciousness discussion than a referenced scientific treatise, the book opens the imagination and critical faculties to alternative explanations of terrestrial history and our origins as a species.

THE FREE ENERGY SECRETS OF COLD ELECTRICITY

by Peter A. Lindemann, DSc

Clear Tech, USA, 2001

ISBN n/a (130pp l/f tpb)

Price: US\$29.95 + US\$7.95 s&h in USA,
US\$15 to Canada, US\$21 elsewhere

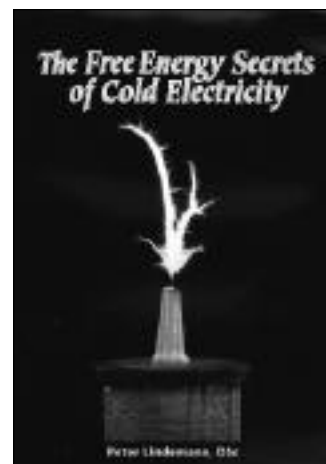
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(509) 446 2353, 1-888 260 2770 (toll free
in North America), fax (509) 446 2354,
website www.free-energy.cc; Adventures
Unlimited, tel (815) 253 6390

In 1973, US engineer Edwin Gray's invention of an "engine that consumes no fuel" received press publicity and got author Peter Lindemann, DSc, on the "free energy" case. However, Gray was very private and many of his secrets died with him in 1989, although he did manage to patent several of his inventions (see *Science News*, 7/03).

Lindemann, following further groundwork laid by Gerry Vassilatos, has discovered the key that connects Gray's findings with

research conducted by Dr Nikola Tesla into "radiant energy" or "cold electricity" (see article this issue). He has tracked down a number of Gray's patents for this compilation, *The Free Energy Secrets of Cold Electricity*. These include a Pulsed Capacitor Discharge Electric Engine, an Efficient Power Supply Suitable for Inductive Loads, and an Efficient Electrical Conversion Switching Tube Suitable for Inductive Loads (reprinted in the appendices). He also reproduces Vassilatos's "Rosetta Stone" chapter from *Secrets of Cold War Technology*; Tesla's patents for a Method of Utilizing Radiant Energy and on The Art of Transmitting Electrical Energy Through the Natural Mediums; plus a couple of his own papers published in *Borderlands*.

Lindemann's book is a must-read for free-energy researchers, particularly those interested in exploring electro-radiant events—the same "gain mechanism" Tesla identified as the basis for his Magnifying Transmitter.



REVIEWS



BEYOND AMALGAM

The Hidden Health Hazard Posed by Jawbone Cavitations

by Susan Stockton

Power of One, USA, 2000 (revised edition)
ISBN 0-9628770-2-6 (121pp tpb)
Price: US\$12.95 + US\$3.50 s&h in USA;
foreign orders, contact publisher
Available: **USA**—Power of One
Publishing, 10691 E. Bethany #900,
Aurora, CO 80014, tel (303) 755 2605,
website www.healthcarealternatives.net

The public has been waking up to the dangers of mercury amalgam and root canal fillings for some years, but they are much less informed about another major problem: jawbone cavitations.

The author of *Beyond Amalgam*, Susan Stockton, a teacher and writer in the alternative health field in the US, has personal experience with the severe systemic effects of cavitations—alveolar cavitation osteopathosis, or osteitis, in her case—and spent years finding a dentist who could surgically treat her problem.

For the most part, cavitations—lesions in the jawbone, characterised by infected dead bone—are the result of dentists' failure to clean up a tooth extraction site, resulting in the invasion and proliferation of bacteria and adverse impacts on related organs. Stockton discusses the research of naturopathic biophysicist Dr Hulda Clark, who discovered that "teeth have the same tissue frequency as some distant organs"—lending weight to the evidence that each tooth is related to a different organ or system in the body.

According to Stockton, cavitations (different from cavities or caries) are often missed by X-ray imaging, but can be detected using

a recently developed 3D dental sonography technology called Cavitat (she now works for the manufacturer). They can be removed in a simple oral surgical procedure (if you can find a dental surgeon proficient in the technique), and patients have reported recovery from diverse conditions including headache, blindness, autoimmune disease, fibromyalgia, tinnitus and neck pain.

In Stockton's book we have a stern warning about a major hidden health hazard that affects millions of people around the world.

STONE AGE FARMING

Eco-Agriculture for the 21st Century

by Alanna Moore

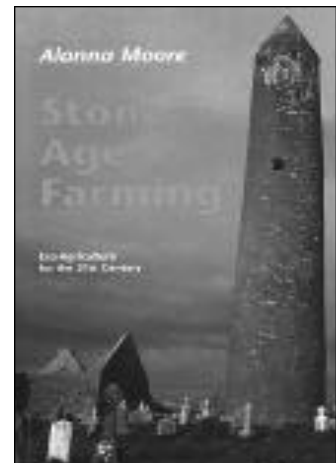
Python Press, Australia, 2001
ISBN 0-646-41188-8 (208pp tpb)
Price: A\$30.00 + A\$3 p&h in Australia;
foreign orders A\$40 (or US\$20.00 cash/
travellers cheque or equivalent)
Available: **Australia**—Python Press, PO
Box 929, Castlemaine, Vic. 3450,
tel/fax +61 (0)3 5476 2418,
email info@geomantica.com

This is a journey into the world of esoteric agriculture, connecting ancient wisdom and environmental practices with the latest knowledge in magnetism and agricultural science. Author Alanna Moore specialises in geomancy and dowsing as applied to eco-agriculture, and she is passionate about permaculture and biodynamics.

For *Stone Age Farming*, Moore has spent the best part of eight years researching in the field and applying and expanding on principles elucidated by Dr Phil Callahan and others. She has studied the ancient Irish Round Towers at first hand and compared them with modern reproductions in South Australia. The towers—"silicone-rich semi-

conductors of cosmic energies", according to Callahan—were built with paramagnetic material. Ideally they were sited on downward vortexes, and their purpose may have been to enhance the environmental energy and improve crop yields, or to stimulate heightened spiritual awareness in the local monks. Moore looks at a number of simpler, scaled-down "Tower of Power" designs that can be easily built, and discusses the various problems that may be encountered with inappropriate materials and siting, geological and fence-line interference and so on. She also tackles ethical concerns.

Moore takes an holistic, practical approach to farm and ecosystem management—an approach that identifies and harmonises with subtle energies, utilises eco-sound methods and applies ingenious technologies such as energy-conducting coils for improving soil life and plant growth. Her call for "the eco-farming imperative" is one that we must heed if we're to have a sustainable future.





REVIEWS

WAKE UP DOWN THERE!

The Excluded Middle Collection edited by Gregory Bishop

Adventures Unlimited Press, USA, 2000
ISBN 0-932-813-82-8 (435pp l/f tpb)
Price: A\$55.00; NZ\$69.00; £n/a;
NLG70,90; US\$25.00 + US\$2.50 s&h in
USA, US\$3.00 to Canada
Available: **Australia**—NEXUS Magazine,
tel (07) 5442 9280; **NZ**—NEXUS Office,
tel (09) 405 1963; **UK**—Enquire NEXUS
Office, tel 01342 322854; **Europe**—
NEXUS Office, tel +31 (0)321 380558;
USA—Adventures Unlimited,
tel (815) 253 6390, website
www.adventuresunlimitedpress.com



The title for this anthology comes from a line from John Keel's *The Mothman Prophecies*. It's about two women who are having a telephone conversation, only to be interrupted on the line by a strange man's voice snapping "Wake Up Down There!".

This is a collection of material from the US conspiracy zine, *The Excluded Middle*, and includes "the best from the acclaimed underground magazine of UFOs, the paranormal, spirit, psychedelia and conspiracy", as the cover suggests. One of the founding editors, Greg Bishop, puts it this way in his foreword: "Since we are emotional, spiritual and analytic animals, there is no reason why one trait should rule the others." This journal through the 1990s has been a beacon of enlightened, philosophical, forward thinking, albeit with a slightly paranoid and cynical bent—a path carved "in the wilderness of doubt, fear and ambiguity", but with a sense of humour thrown in.

The material in this compendium covers the first nine issues (up until 1999) plus a "virtual issue", and includes perspectives from founders Bishop, Peter Stenshoel and Robert Larson as well as contributors Robert Anton Wilson, Scott Corrales, Paul Rydeen, Robert Sterling, Joan d'Arc, Jim Keith,

Kenn Thomas, Acharya S and many others. The territory covers higher physics, LSD, Reich, Roswell, abducting aliens, Philip K. Dick's VALIS, the Ashtar Command, *El Chupacabras*, remote viewing, parapsychology, the cabbala and even "Commander" Jim Moseley of *Saucer Smear* fame, to mention but a few. All in all, a mind-expanding, eyebrow-raising collection for these latter-day conspiracy-riddled times.

THE ELITE SERIAL KILLERS OF LINCOLN, JFK, RFK & MLK

by Robert Gaylon Ross, Sr

Ross International Enterprises, USA, 2001
ISBN 0-9649888-6-0 (348pp hc)
Price: US\$34.95 + US\$5 s&h in USA,
US\$7 to Canada, US\$9 to Aust/NZ/Pacific/
UK/Europe

Available: **USA**—RIE, 24505 Old Ferry
Road, Spicewood, TX 78669, tel (512) 264
1938, website www.4rie.com

The assassinations of Abraham Lincoln, John F. Kennedy, Robert F. Kennedy and Martin Luther King all have something in common: they were carried out on the orders of "the Elite", says R. Gaylon Ross, author of *Who's Who of the Elite* (1995). This "Elite" comprises inner-circle members of the banking families—especially the Rockefellers and Rothschilds, "who are at, or certainly next to, the very top"—the Bilderbergs, the Council on Foreign Relations, the Trilateral Commission and other exclusive groups with particular inclinations towards power and money and maintaining influence.

So this Elite had its bidding done in 1865 when Lincoln was murdered, and in the 1960s when the three "Ks" were killed. Author Ross points his finger at the conspirators, perpetrators, hit men and patsies in each assassination. He has interviewed many eyewitnesses (at least regarding the 1960s murders) and drawn evidence from other researchers and official inquiries.

Though evidence is circumstantial as to who would have given the orders, there was a cast of conspirators in the case of these 1960s murders that included Lyndon Baines Johnson (and peripherally Richard Nixon and Gerald Ford), FBI head J. Edgar Hoover and Texas oilman Howard L. Hunt, with a cohort of Mafiosi, CIA operatives and law-enforcement officers on the sidelines.

There's some explosive new information in this book, as well as some analysis of the motivations behind the assassinations and a dash of rhetoric thrown in for good measure.

The author is passionate about exposing the evils perpetrated the world over by the Elite, especially as their plans for a "One World Government" are almost in place with its latest globalisation push.

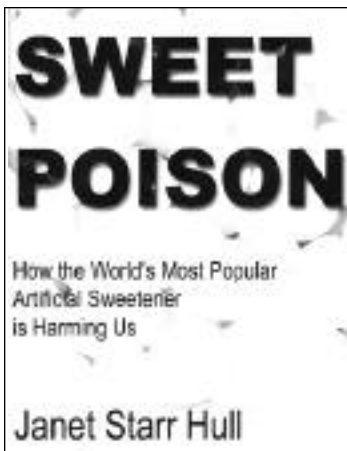
REVIEWS



SWEET POISON

How the World's Most Popular Artificial Sweetener is Harming Us by Janet Starr Hull

Vision Paperbacks, UK, 2001
ISBN 1-901250-45-8 (227pp tpb)
Price: A\$33.95; NZ\$39.95; £9.99
Available: **Aust**—NEXUS Office, tel (07) 5442 9280; Wakefield Press, tel (08) 8362 8800; **NZ**—NEXUS Office, tel (09) 405 1963; **UK**—Vision Paperbacks/Satin Publications, tel +44 (0)20 7928 5599, website www.visionpaperbacks.demon.co.uk; TBS Ltd, tel 01206 255637



It's hard to believe that an environmental scientist with some knowledge of chemicals and their effects could take a year to realise the cause of her piercing migraines, dizzy spells, hair loss and erratic periods, but at least Janet Starr Hull eventually did. After a bout in hospital and being diagnosed with Graves' disease, she decided to check the labels of the "sugar-free" and "diet" processed foods and drinks at home and then realised the cause of her woes: her intake over the previous year of copious quantities of the artificial sweetener NutraSweet, the active ingredient known as aspartame.

Janet discovered a growing body of knowledge on the health dangers of aspartame and was amazed to learn that she was not alone in her life-threatening symptoms. She radically changed her dietary intake, eliminating all "diet" drinks and processed foods in favour of pure, whole foods. Sure enough, her symptoms went away and her health returned. Then she presented her findings to her dumbfounded doctor who had wanted to irradiate and destroy her thyroid to treat her incurable "Graves' disease".

In her studies, Janet discovered that the FDA acknowledges 92 side effects of aspartame and that this toxic substance, which should never have been allowed into the food supply, can be found in 5,000-odd foods on the grocery shelves. (See articles

in NEXUS 2/28-3/01 and website.) She came across the damning evidence that the FDA knew of aspartame's health dangers back in the mid-1970s, yet approved it for use as a "table-top sweetener" in 1981.

Sweet Poison is both a personal account of a journey to hell and back, and a stern warning about the severe risks associated with consuming aspartame-laced food and drink.

UNDERWATER AND UNDERGROUND BASES

by Richard Sauder, PhD

Adventures Unlimited Press, USA, 2000
ISBN 0-932-813-88-7 (257pp tpb)
Price: AUD\$35.00; NZD\$49.00; £15.50; NLGf47.90; US\$16.95 + US\$2.50 s&h in USA, US\$3.00 to Canada
Available: **Australia/NZ/UK/Europe**—NEXUS offices; **USA**—Adventures Unlimited, tel (815) 253 6390, email auphq@frontiernet.net, website www.adventuresunlimitedpress.com

This new book from Richard Sauder, PhD, is a sequel to *Underground Bases and Tunnels: What is the government trying to hide?* (AUP, 1995; see 2/26) Here, Sauder considers the technical feasibility of constructing secret, massive, offshore underwater bases as well as vast underground installations, thousands of feet deep, connected by tunnels. The technology has been around for decades—as have many of these secret bases, supposedly—and has only become more sophisticated. The tunnels are rumoured to criss-cross continental USA, the underground facilities connected by very-high-speed MagLev trains.

Dr Sauder draws on data obtained under FoI and includes anecdotal accounts with a good sprinkling of his own speculation based on circumstantial evidence. Some of it is particularly compelling, e.g., notes from US Army engineering tenders and manuals, an appendix of tunnels built by the Bureau of Reclamation in the western states, and a list of private companies involved in tunnel-boring projects. Much of this kind of underground work, if not conducted by the military (army, navy and air force) and federal agencies like the CIA, NSA and FEMA, is undertaken by contractors who are bound by national security restrictions. The existence of undersea/underground projects and installations is thus enormously difficult to verify and document, considering their highly classified nature and the likelihood that the bulk of the funding comes from "black budgets" that are not disclosed through the usual congressional processes.

Dr Sauder would never have written this book if he'd waited around for all the details to be declassified. We just have to be content with the peripherals for now.



REVIEWS

VIDEO

Reviewed by Duncan Roads

A FUNNY THING HAPPENED ON THE WAY TO THE MOON

written & produced by Bart Sibrel

AFTH, LLC, USA, 2001

(47mins, NTSC/VHS)

Available: **USA**—AFTH, LLC, 242 Louise Avenue, Nashville, TN 37203, tel (615) 850 8329, fax (615) 242 2658, website www.moonmovie.com

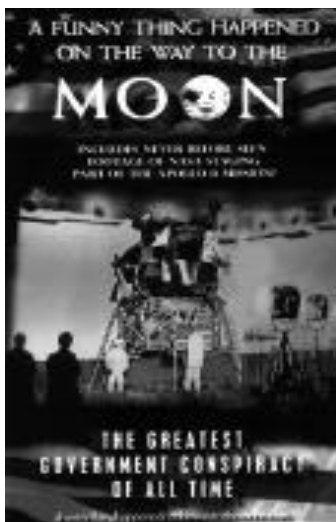
A growing number of scientists are loudly proclaiming that NASA faked the Moon missions, at least in terms of the video and photographic records available as evidence of their visits.

Now, an investigative reporter, Bart Sibrel, has added new information to the debate. While working for NBC affiliate station WSMV-TV in Nashville, Tennessee, Sibrel uncovered a 31-year-old, mislabelled, unedited reel of NASA footage that provides evidence that the *Apollo* Moon walk was a hoax and that *Apollo 11* never made it beyond the Earth's orbit.

The video contends that lethal bands of radiation (the Van Allen belt) surround the Earth, beginning at an altitude of 1,000 miles and extending an additional 25,000 miles, making it impossible for manned missions to go further.

The video producers suggest that the motive of the *Apollo* missions was to fool the Soviet Union about US strategic capability during the height of the Cold War.

A Funny Thing Happened on the Way to the Moon is an excellent documentary production with very detailed and well-highlighted footage, including great shots of the flag flapping in the non-existent atmosphere of the Moon, and much more.



CD-ROMs

Reviewed by Duncan Roads

WINGMAKERS

First Source: Volume 1

(includes over 60 minutes of music from Chambers 1–9)

Wingmakers LLC, USA

1998–2000 system requirements:

Windows 95, 98, NT, 2000, ME or

MacOS8.1+, Internet browser 4.0+

Available: **USA**—Wingmakers LLC, website www.wingmakers.com

The elusive mystery of the WingMakers is now firmly entrenched with the release of this CD-ROM.

There is certainly a wealth of interesting material to explore. Apart from the art, the music, the poetry, the philosophy, the interviews, etc., there is also some spectacular interactive material.

For example, I found several "hidden passages" or "discrete hyperlinks" embedded in tiny parts of different illustrations. Some of these led me to pages full of obscure formulas or artwork, or pages demanding a password. I found that if you dig deep enough and long enough, the passwords apparently can be accessed, opening up yet more pages of info for you. The bottom line is that if you are intrigued by the WingMakers material, this CD-ROM alone should keep you busy for hours, if not days.

I am also informed that the "real secret" of the WingMakers' material is hidden somewhere on this CD-ROM. If any of you find it, please let me know.

GRIDWORKS 2.0

Produced by Rod Maupin, USA, 2001

Price: US\$104.00 + US\$2.00 p&h in USA, US\$7.50 outside USA (US\$54.00 + p&h for upgrades from DOS version)

Format: CD-ROM, 3.5" floppy discs (4)

Windows 95 and onwards only

Available: **USA**—Rod Maupin, PO Box

976, Rainier, WA 98576; **New Zealand**—

Bruce L. Cathie, Quark Enterprises Limited,

158 Shaw Road, Oratia, Auckland, tel +64

(0)9 818 4291, email brucelc@ihug.co.nz,

website <http://homepages.ihug.co.nz/~brucelc/products/gridwork/gridwork.htm>

Gridworks is designed for researchers into the harmonic mathematics of the Earth, who wish to investigate specific planetary gridpoints according to the system developed by Bruce Cathie (author of *The Harmonic Conquest of Space*).

I strongly suggest that you visit Bruce Cathie's website for additional details of this awesome CD-ROM.

REVIEWS



MUSIC

Reviewed by Richard Giles

DEJA-BLUES

by Steve Halpern

Halpern/Inner Peace Music, USA, 2000 (60mins)

Distributors: **Australia**—Wild Eagle Trading, tel (03) 9568 4004; **USA**—Inner Peace Music, tel 1800 909 0707 (toll-free, USA/Canada), website www.stevehalpern.com

Steve Halpern has had a long career composing, playing and using music for its power in healing and meditation. This release is a reworked combination of tracks from a number of his great albums, including *Spectrum Suite*, each capturing moments of sheer musical transformation and transcendence. Try Melissa Phillippe's vocals on "Déjà-Blues" and "Moroccan Roll", and Paul Horn's silver flute on "Trippin'". This is an album of high moments in musical experimentation and sound discovery.

BREATHING RHYTHMS

by Glen Velez

Sounds True, USA, 2000 (55mins)

Distributors: **Aust**—Banyan Tree, tel (08) 8363 4244; **USA**—Sounds True, tel 1800 333 9185 (toll-free in North America), website www.soundstrue.com

The tradition of vocalising rhythmic material is well established in many cultures on the planet, such as in India and the Middle East. Glen Velez has created six compositions to help listeners attune to the rhythmic energy flows of the body. Each composition activates a specific zone: voice activates the upper body; melody, the centre and heart of the body; and drumming, the lower and physical body. And each piece uses a numerical relationship to reflect an elemental structure in the music. Enticing sounds that produce an euphoric feeling and help harmonise body and mind.

BUDDHA AND BONSAI – Vol. 3

by Oliver Shanti, Family & Friends

Sattva Music, Germany, 2000 (58mins)

Distributors: **Aust/UK/USA**—New World, www.newworldmusic.com; **Germany**—Sattva Music, tel +49 8028 90680, fax +49 8208 906810

Oliver Shanti has produced a stream of beautiful musical albums, all with an Eastern theme. This one is from a three-part series titled *Buddha and Bonsai*. The music is quiet and atmospheric, with a Chinese harmony threading throughout it. The use of the guzheng (long zither) and erhu (Chinese violin) adds depth to the

sounds. The mountains, passes and tea houses of China and Japan emerge before your mind's eye as you become immersed in the melody. Gorgeous, calming sounds of peace. An album of exceptional music.

SPACE LULLABIES AND OTHER FANTASMAGORE

by Ekova

Six Degrees Records, 2000 (60mins)

Distributors: **Aust**—MRA Entertainment, tel (07) 3849 6020; **USA**—Six Degrees Records, tel (415) 626 6334, website www.sixdegreesrecords.com; **Europe**—Sony Music

She's back—that extraordinary improvisational vocalist, Dierdre DuBois-Haddab. This second release from Ekova, with its uniquely strange conceptualisations of musical style, is no less exciting than its predecessor, *Heaven's Dust* (NEXUS, 7/05). The music is a cross between Persian, Eastern and North African, combined with Dierdre's amazing vocalisations. Very strange, driving, impelling music. Ekova is one group stretching the boundaries of contemporary world music towards very new perimeters.

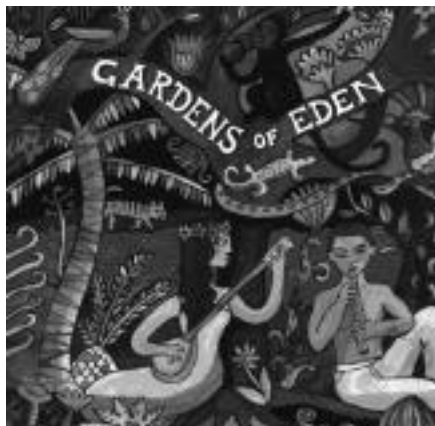
GARDENS OF EDEN

by various artists

Putumayo World Music, 2001 (48mins)

Distributors: **Aust**—MRA Entertainment, tel (07) 3849 6020; **USA**—Putumayo World Music, tel 1888 788 8629 (toll-free, USA/Can), www.putumayo.com

Another great collection from Putumayo, each group representing an area of the world where the environment is under stress from economic pressure, cultural assimilation or environmental exploitation. Each reminds us of what we must preserve, and captures the life of a culture from one of the world's natural paradises. Artists include Ana Rita Simonka (Brazil), Guadalupe Urbina (Costa Rica), Telek (Papua New Guinea) and Eric Manana (Madagascar).



Continued from page 38

unlike aspirin,⁹⁰ the flavonoids in purple grape juice remain effective when adrenaline levels rise.⁹¹ Two 400-milligram capsules of white willow bark are equivalent to one baby aspirin.⁹² Eating a lot of dark-green leafy vegetables such as spinach,⁹³ kale and Brussels sprouts also helps avoid this condition.^{94, 95}

Many dermatologists advise older patients to stay out of the sun to avoid skin cancer. The thousands of elderly patients rotting in nursing homes come to mind. That advice may unintentionally help to make patients sicker and older beyond their years. *Staying indoors will cause problems a lot worse than skin cancer.* Older people's bones will crumble and break (osteoporosis); these elderly patients will hate living (depression). Articles in the journals *Cancer*, *Cancer Research* and *Preventive Medicine* suggest that avoiding sunlight could promote the development of cancers other than those of the skin.^{96, 97, 98}

• FS Light vs Neurological Diseases

Research by Reuven Sandyk, MD, who practises medicine in Connecticut, shows

that long-term deprivation from sunlight exposure increases the risk of multiple sclerosis and Parkinson's disease through depressed secretion of the hormone melatonin by the brain's pineal gland. This appears to explain the south-north gradient in the incidence of MS: the farther from the equator, the more common it is.⁹⁹ All the MS patients he tested had extremely low melatonin levels and their pineal glands were calcified, or hardened.

Reduction in melatonin secretion, he found, may be associated with zinc deficiency in ADHD (attention deficit hyperactivity disorder).¹⁰⁰ "Since melatonin stimulates serotonin synthesis,¹⁰¹ and serotonin deficiency has been linked to aggressive behaviour,¹⁰² it is possible that a high prevalence of conduct disorder and aggressive behaviour in ADHD patients could be related to reduced melatonin and serotonin associated with (but not caused by) zinc deficiency."¹⁰³

Dr Sandyk applies extremely weak alternating-current fields to the brain; this stimulates melatonin secretion, bringing about remarkable subjective and objective improvement of MS and Parkinson's patients within one to two *minutes*. The

magnetic field he uses is at 2 to 7 hertz (vibrations per second), a physiological frequency, i.e., near the rate used by brain neurotransmitters.

Melatonin destroys carcinogenic hydroxyl radicals by neutralising their precursor molecules, and so it should help against Parkinson's and Alzheimer's diseases.¹⁰⁴ Melatonin interferes with oestrogen receptor sites on cells; excessive oestrogen from the Pill and from HRT causes breast cells to hyperproliferate (become cancerous), and melatonin blocks this action.¹⁰⁵ It also slows senescence.¹⁰⁶ The decline in its levels in everyone's bodies owing to longer daily exposure to light has been suggested as one possible factor explaining the continual spread of cancer in the 20th century.^{107, 108} Some of Dr Sandyk's patients with Alzheimer's disease, migraine and pain syndromes also benefit from exposure to such magnetic fields—suggesting that sunlight deprivation may contribute to the aetiology of those distressing illnesses.¹⁰⁹

• FS Light vs CHD and Infections

Continued on page 82

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Staying completely out of the sun may also increase the risk of heart attacks and much more by another route. David Grimes, MD, at Blackburn Royal Infirmary in Blackburn, UK, notes that heart attacks are commonest in the parts of the world—such as northwest United Kingdom—that have the least sunshine. And Asian populations in the British Isles have a particularly high risk of death from heart attack that cannot be explained on dietary grounds. Having come from countries in which the sun is so strong that exposure must be minimised, they have a cultural tendency to avoid the sun.

Dr Grimes traces causation of many cases of CHD (coronary heart disease) to the microbe *Chlamydia pneumoniae* and low immunocompetence from too low a level of vitamin D among those avoiding sunshine. Sunlight could determine whether squalene, the precursor to both vitamin D and cholesterol, converts into vitamin D (in the presence of enough sunshine) or into excessive cholesterol (if sunlight is deficient.)¹¹⁰ A deficiency of vitamin B6 promotes infection, e.g. by *H. pylori* and

Chlamydia, as one of its mechanisms of increasing risk of heart attack.^{111, 112}

Dr Grimes links respiratory infections and chronic bronchitis, called "the English Disease", to poor immunocompetence due to sunlight deficiency, worsened by cigarette smoking. (In southern Europe, smoking rates are much higher, but recurrent respiratory tract infections are scarce.) Glasgow, Scotland, has high rates of osteomalacia and rickets, which he says are definitely the result of sunlight deficiency. Dr F. A. Spencer has noted a higher incidence of heart attacks in winter; he has related this to low levels of vitamin D and to depression from the winter months.¹¹³

Also, Crohn's disease (regional enteritis or intestinal irritation) is much more common in cloudy northwest England than in sunny southern Europe—that is, if we accept that Crohn's is a microbial disease, as current research confirms, probably due to *Mycobacterium paratuberculosis*. Once again, sunlight in the Mediterranean area could be protective through immunoenhancement.¹¹⁴

There are other risks. An Alabama researcher found that lack of enough sunshine exposure may increase the risk of

hypertension in blacks and other dark-skinned people. Those with greater amounts of pigment in the skin require six times the amount of ultraviolet B (UVB) light to produce the same amount of vitamin D3 found in lighter-skinned people.¹¹⁵ And Dr Esther John of Northern California Cancer Center reported that daily exposure to sunshine, without sunscreen, appears to lessen the risk of breast cancer.¹¹⁶

About the Author:

Joseph G. Hattersley in 1953 completed everything then required for a PhD degree in economics, except a dissertation, at the University of California at Berkeley. In 1976, at age 54, a seeming nutritional miracle launched his career of writing on a wide range of health topics. Joe seeks to integrate differing views on a subject from competing research teams. Several of his proposals have been confirmed three to five years later in mainstream medical and scientific journals. His special interests are prevention of heart disease and cot death. His article, "Soybean Products: A Recipe for Disaster", was published in NEXUS 4/03, April–May 1997 issue.

Editor's Note:

The complete text of this article, together with endnotes, is posted at the NEXUS website, www.nexusmagazine.com.

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STUDIES IN ANIMAL TELEPATHY

Although the No. 8 project was shut down and sections of it transferred to other cities, animal research in information transmission continued in Science City.

A Novosibirsk toxicologist, Dr S. V. Speransky, discovered a form of telepathy between starving and normally nourished mice. He observed that impulses from hungry mice were transmitted in such a manner that the non-starving mice acted as if they, themselves, were famished. The most complete account of the Speransky experiment appeared in "Parapsychology in the USSR" (Part III), translated by Larissa Vilenskaya from the researcher's original manuscript.

As a toxicologist, Speransky's primary interest was the impact of poisons on living organisms; the mind-to-mind reaction among the mice was encountered accidentally. Speransky's "upper mice" lived on in the fourth-floor laboratory, while the "lower mice" were kept in the basement. In some experiments, the upper mice were starved; in others, they were nourished. Out of the 30 experiments, results in 27

were positive: non-starving mice responded to the suffering of their "friends" who were several storeys removed; in only three cases were the results negative.

Refining his methodology, Speransky engaged in additional series of experiments, altering sex, weight and other variables. He found that the "biological significance of the rapid increase in weight of mice which received signals about starvation from their 'friends' is clear: a danger of starvation has to give them an additional stimulus to be sated". In other words, telepathy-like signals warned the non-starving mice that food was short, so they increased food consumption and storage within their bodies.

Speransky drew this conclusion: "Undoubtedly, mentioning that the transmission of information occurred beyond ordinary channels of perception will remind the reader of such notions as telepathy, extrasensory perception and 'biological radio-communication'. Is it possible to suppose that the transmission of information about starvation pertains to this type of phenomenon? We think so, but cannot strictly affirm it at present. It is only clear that the transmission of information about starvation in conditions

of our experiments goes beyond ordinary forms of interaction of animals. Therefore, we propose to call it 'extraordinary transmission of information'."

Actually, related phenomena had been recorded by Western researchers. Sir Alister Hardy, Professor Emeritus of Zoology and Comparative Anatomy at Oxford University, had considered the possibility that telepathic communication among animals might even affect evolution and adaptation. In an essay, "Biology and ESP" (1949), Professor Hardy suggested that animal habits might be spread by "telepathic-like means" and that a "psychic pool of existence" might function among members of a species by some method "akin" to telepathy.

Speransky linked his findings about communication between mice to work done by Gulyaev with his auragram on humans, by Sergeev on human brain activity, and by Presman on the influence of electromagnetic fields upon living organisms. A. S. Presman's work, notably his book *Electromagnetic Fields and Life* (New York, 1970), is internationally known.

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One rare positive reference to parapsychology-related work to appear in (what was) an East German publication was printed on 15 May 1982 in *Neue Deutschland*, the East Berlin daily published by the Socialist Unity Party. In an article, "Man, Animals and Magnetism", Professor Hans Weiss and Dr Jurgen Hellebrand discussed the question of whether a correlation between electromagnetic fields and life processes does in fact exist. They found that the views of physicists, chemists and biologists vary greatly. They cited Presman's work, notably his references to the apparent ability of snails and birds to orient themselves through the Earth's magnetic field. The two authors denounced popular claims for magnetic healing devices as "clearly humbug", but stated that in such fields as food production further basic research "may permit developments leading to practical applications".

As a leading research centre, Novosibirsk was a natural contact point for long-distance experiments in telepathy. The top Soviet scientist, Professor Ippolite Kogan, arranged a long-distance test from

his Bio-Communication Laboratory in Moscow to the Novosibirsk laboratory. Kogan reported on this experiment *in absentia* to a meeting at the University of California at Los Angeles in 1969. The test concentrated on the telepathic transmission of the identity of various objects, with Yuri Kamensky in Moscow trying to communicate the images to Karl Nikolayev in Novosibirsk. The methods used corresponded to other long-distance tests.

However, Kogan noted that the recipient in the Siberian city "did not have an assortment of items before him", as was arranged later during the Moscow-Kersh tests, so he "could not give specific names for the objects he saw telepathically".

Kogan said that the Novosibirsk recipient was limited to listing "the characteristics" of each item, which restricted statistical analysis of the experimental results to "an approximation". In one such test, the transmitting telepath in the Soviet capital was asked by supervising scientists "to suggest an object they had chosen randomly". Six segments of test were used to transmit images of six different objects; half of these tests gave positive results.

About the Author:

Following service with the US Office of War Information in World War II, Martin Ebon worked on the staff of the Foreign Policy Association and with the US Information Agency during the Korean War. From 1953 to 1965 he was administrative assistant of the Parapsychology Association in New York and travelled extensively on behalf of the Association's research endeavours. He has become well-known in parapsychology circles. His lectures, reviews, research reports, magazine articles and books (over 60 of them) reflect serious treatment of the field. He is a lifelong researcher/writer/analyst on political and scientific developments of Eastern European countries, the former Soviet Union and post-Communist Russia as well as Asia and the People's Republic of China.

In addition to his many books on parapsychological matters, Ebon is the author of: *World Communism Today*; *Malenkov: Stalin's Successor*, a biography of Ernesto "Che" Guevara; *Psychic Warfare* (1983); *The Andropov File*, a biography of the former head of the KGB; *The Soviet Propaganda Machine* (1987); and *KGB: Death and Rebirth* (1994).

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