

Esoteric Info on Electromagnetic Weapons

by Y.C. Shimatsu
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Part 1

StarWars and The Final War

The Life, Death and Secret Weapons Research of Hideo Murai, Science and Technology Minister of Aum Shinrikyo

Synopsis:

Hideo Murai, the late Aum Shinrikyo science and technology minister, was one of the most intelligent Japanese who ever lived, with an IQ higher than Einstein's. He studied astrophysics, concentrating on X-ray detection. His field, it turns out, was the key to developing new types of weapons more powerful than nuclear bombs, which are still being developed and tested by Japan's military-industrial complex after his death. Murai's most outrageous claim was that Kobe was destroyed with laser-

powered seismic weapons—a claim many in the media scoffed. But a closer look at Murai's own research in Kobe shows that the possibility should not be discounted.



Hideo Murai, in green jacket, is stabbed by ethnic Korean hitman Hiroyuki Jo, in camouflage sweater, assisted by two accomplices as a TBS video camera crew records the murder in front of Aum's Tokyo press office in April '95.

The first thing to understand about the most intelligent Japanese who ever lived is that he was a *burakumin*—he came from an underclass, a subgroup that has remained impoverished, discriminated against and morally damned by Japanese society. That's why he wasn't accepted at a top school such as Tokyo University or Kyoto University, and wasn't in the ranks of Japan's academic scientific elite.

Had he been born a regular commoner instead of a "new" commoner (which is how the social station was redefined by Meiji Era democratic reforms), he'd probably still be alive and on his way to earning a Nobel Prize in science. Instead, he became the science chief of an apocalyptic sect and was murdered in a brutal knife attack. Anyone raised under a social system like the ones in England, Japan or India knows one thing: Class kills.

Being brilliant, he made the grade to be accepted as a graduate student in science at a second-tier school, Osaka University. His chosen field was astrophysics, particularly the study of cosmic rays, specifically X-rays. Being non-visible energy, the radiation of very short wavelength requires numerical measurement, which means the handling of vast amounts of data. In college **Murai** developed the program for a personal computer that run the algorithms for his calculations, a fact that impressed his professors. (This presumably was the prototype of the "green computer" used by Kiyohide Hayakawa to conduct measurements for electromagnetic weapons tests in West Australia.)

To Murai's great misfortune, he did not get an appointment after graduation at the major public research institute like the Science and Technology Agency's programs in Tsukuba. Instead he was hired by a most unlikely private employer—Kobe Steel. The job, at least, was higher paying than a public job, and it was located in beautiful Kobe. From his company dormitory, it was an easy bicycle journey for a weekend of camping on Mount Rokko or even to the forests of Shikoku Island. At Kobe Steel, also, he met a young female employee, who would become his wife.

His research work at *Kobe Steel* was to develop a radically new way of casting steel. This much is known about his research at the Kobe Steel laboratory, which was totally destroyed in the Great Hanshin Earthquake of 1995. There are obvious reasons why his work there remains shrouded in secrecy, so much so that even the Japanese police have been unable to crack. Like much else in the Aum affair—the nerve gas attacks, for example—an understanding of science and technology can illumine the type of challenges and problems the Aum scientists faced.

Based on advanced Soviet studies in electromagnetism that were leaked to the West in the latter half of the 1970s, Japanese physicists were opening the doors to new applications of electromagnetic (**EM**) energy.

(The Japanese interest is obvious—vastly more efficient uses of energy, with superconductivity, EM levitation and even untested cold fusion—could help energy-poor Japan weather future shocks like the oil boycott of the early 1970s.)

One Soviet industrial application of EM energy is "cold molding" of steel. *Cold molding* because hot molten steel is problematic. When casting very large objects, the metal tends to crack when cooling—these cracks are not necessarily visible, but can be microscopic crazing of crystalline structures. Welding is a good example of how *microcracks* lead to *megadamage*—ruptured pipelines in Arctic regions are nearly all due to such cracking.

Submarine hulls are another example of crack-vulnerable steel—which make the work of sinking subs all the more easier for depth charges. Molten steel is also difficult to handle in very small (nanostructures) objects, for *microrobots*. Hot molds leave rough edges that need to be ground—a task nearly impossible for complicated parts

the size of a pinhead.

How is **cold molding** done? When two or more beams of intense microwave energy are focused on metal, they create a second wavelength due to interference. This secondary energy can cause a resonant vibration in the chemical-electrical bonds which the iron molecules in a crystalline structure. The rupture of these bonds and the collapse of the crystalline structure will turn the metal into a cold liquid state. After a short period of time, new bonds are formed and the metal hardens into its new shape.

Practical application of this rather *esoteric technology* is a matter of controlling the conditions in the lab site. Powerful electromagnetic radiation ionizes the air and any impurities in the steel, causing the creation of a plasma, or ionized gas, of extremely high temperatures. So high that it would vaporize the steel and even the lab equipment. To prevent a horrible accident and conduct the experiment flawlessly, research scientists like **Murai** must have conceived of EM shields, that is, protective screens and clothing.

The most obvious means of *controlling plasma* is by containing the experiment—as in a fusion reactor—with electromagnets, either in a donut or sphere-shaped vessel. Finally, his subject of study—steel itself—was problematic because it is highly magnetic. It would tend to deflect the radiation, channel it into unexpected paths along field lines and into magnetic poles, like the ones in the Earth; it would tend to shudder and fragment and dance unpredictably instead of collapsing smoothly; and when it collapsed it would release bursts of radiation, sometimes of explosive dimensions.

These practical problems undoubtedly opened the way to new insights for Murai into the potential of EM radiation—as the energy that would drive the supreme weapons of the next century.

Here, we can probe beyond these speculative probabilities because Murai discussed these matters in *Aum Shinrikyo's radio program* "Euangelion Tes Basileias." Broadcast December 4, 1994, (transcript published in "Disaster Approaches the Land of the Rising Sun": Aum Publishing, 1995), a roundtable discussion of the Final War was held by **Murai**, **Asahara**, **Hayakawa**, a sect member who studied physics at Tokyo University, **Dr. Ikuo Hayashi** and others. Murai focused on the current state of EM weapons development research in general.

He stated that American researchers with the *Strategic Defense Initiative (SDI)* program were studying X-rays to incapacitate ballistic missiles. "However, this employs a nuclear bomb to generate X-rays, so it is hard to use on the ground." X-rays are difficult to generate in sufficiently powerful amounts, he concluded.

Murai then discussed alternatives to X-ray technology: generation of EM beams using lasers and plasma. He discounted the use of ultraviolet (used to induce chemical reactions, kill bacteria) and visible light lasers, as they are useless for manipulating metal. Infrared, or heat lasers, including CO and CO² lasers, are used for cuffing and welding, and he states they have a high energy level. But his interest seemed to dwell on submillimeter waves of sort used in electron-beam weapons. "And it is being studied by militaries."

Laser-driven EM weapons could then be used to *produce plasma or ionized gas* of about 4,000 C. **Plasma** could be used to knock out missile midair or vaporize the human contents inside hardened bunkers, as what happened to some 4,000 Iraqi troops in the Gulf War, Murai claimed.

Murai asserted that plasma could be created outside the laboratory.

"Plasma can be generated at the intersection of microwaves coming from three directions. To use it effectively to generate plasma at any point on the Earth it should be designed so that it can be deployed from space, that is, from artificial satellites.... There is a high possibility that a plasma weapon is actually in place."

His immediate concern was to protect *Aum* from the new class of weapons. He said he suspected that Asahara's driver had been targeted with laser "blinding" weapons (and sustained some eye damage), in an attempt to assassinate the Guru. Murai designed reflective, filtering goggles to protect the driver. He noted the health effects of EM, and was also working on developing *aluminum coated Mylar* for protective coating against electromagnetic radiation.

His goal was to produce a see-through metallic net against electromagnetism for Asahara limousine. Iron nets, however, he cautioned create *plasma*, and even copper nets created some *microplasma* and tended to melt because of electrical resistance. **Murai** finally admits the only real protection against EM beams and lasers would be a magnetic shield.

What this radio discussion does is provide some insights into his research work—and the related technical problems—at Kobe Steel and later as Aum's science chief possibly conducting under contract with foundations financed by Japan's science ministry and major corporations. The *cold molding* experiments in Kobe Steel's waterfront lab probably used three convergent microwave beams. But the crystalline structure may not have

always collapsed into a cold melt.

At high energy levels, they may have created plasma powerful enough to destroy the steel molecules and cause havoc in the lab. Because of the harmful effects of radiation on the human body, [Murai](#) and his colleagues probably tried to shield the experiments inside a magnetic sphere to prevent a potential plasma discharge, which could have easily killed someone. He must have succeeded, as massive electromagnetic disturbances were reported in the ionosphere above Kobe during the six months before the Hanshin Earthquake.

In 1994, the New York chapter of Aum contacted the *Tesla Society*, based in that city, to gain access to [Nikola Tesla's patents and designs](#). In January 1995, Aum sent six members of a Japan Tesla Society it inaugurated to the Tesla Museum in Belgrade to seek out his notebooks. The Croatian Serb inventor (1856-1943) is, of course, a legend, not least for the fact that he reputedly caused an artificial earthquake in Manhattan and Colorado and for his boasting that he could split the Earth like an apple.

He also invented the radio before [Marconi](#), created AC electrical current and transformed Westinghouse Corp. from a manufacturer of pumps into a giant of the electrical industry. **Thomas Edison** feared his genius and mounted highly unethical media campaigns to destroy Tesla's reputation—which the curmudgeon partially succeeded in doing, though Tesla's inventions powered Westinghouse into the 20th century.

Despite his penchant for dramatic stunts—like casting massive bolts of artificial lightning and illuminating lightbulbs from miles away without wires Tesla's theories were based on intimations that the Earth—a spinning *ball of iron* repelling with its electromagnetic field the lethal tides of the solar wind—is a massive electromagnet that ceaselessly creates power of unimaginable proportions. This latent power, he knew, could be tapped without great technical difficulty to give humankind nearly unlimited power for peaceful uses or for the most diabolical warfare.

The [Aum members](#) reported to **Murai** that many of Tesla's most important papers were confiscated by the U.S. government and remain classified. And that Tesla's name, practically unknown in Japan, is a household word to scientists of the former Soviet Union and Eastern Europe. Japanese scientists, in short, were being locked out of the 21st century.

But not entirely excluded. In the late-1980s, after the Armenian earthquake, the Soviet Union and Japan created a joint seismic study project. Rumors persist in Tokyo that at one meeting, which included government officials, the Soviet side offered to sell Japan a technology that could create earthquakes. After this initial approach, the entire subject apparently became top secret, those who attended the meeting reversed their testimony and denied such an offer had been made, and no further mention has since ever occurred.

On January 8, 1995—nine days before the Great Hanshin Earthquake—Guru **Shoko Asahara** predicted in a radio broadcast that an earthquake was imminent in Kobe:

"Japan will be attacked by an earthquake in 1995. The most likely place is Kobe."

[Did a machine cause the Kobe earthquake](#) like **Murai** claimed at the April 7 news conference at the Foreign Correspondents Club in Japan? In response to a question about the *earthquake machine*, he replied,

"In Kobe before the quake, there were several factors present: large scale construction (new mega-bridge, skyscrapers, port facilities), the phenomenon of pink-colored light radiating in the sky immediately before the quake, a strong electromagnetic reading was recorded, the tidal power of the Moon and sun was at its maximum, and the density of radium released from the ground rose and then disappeared," he said at the FCCJ.

"There is a strong possibility of the activation of an earthquake using electromagnetic power, or somebody may have used a device that applied force inside the Earth."

Along this line of inquiry, if we hypothetically discount a natural temblor and accept the possibility of an artificially induced earthquake, two scenarios stand out:

- Kobe was destroyed intentionally by the government of Russia or the United States—or possibly North Korea
- or the Hanshin quake was triggered by an accidental electromagnetic discharge

Aum Shinrikyo holds to the former, that the Kobe quake was an act of war, a field experiment in mass destruction similar to the dropping of an atomic bomb on Hiroshima and a plutonium weapon on Nagasaki in 1945. They point the finger at America. The following are quotes from *Disaster Approaches the Land of the Rising Sun*:

"On that very day (January 17, 1995), a joint Japanese-American conference on disaster

preparedness was being held in Osaka. There were experts in various kinds of disasters, such as earthquakes. They immediately went to Kobe after the earthquake occurred... Did they know the 'appointed' date of the earthquake, standing by in nearby Osaka until the earthquake occurred?"

Aum concludes:

"The city of Kobe was hit by a surprise attack. Moreover, the hanshin area has all the aspects an infrastructure of a city within a small area. It was the best place for simulating an earthquake-weapon attack against a big city such as Tokyo. Kobe was the appropriate guinea pig."

In favor of this rather bizarre theory are:

- the Kobe area was the stronghold of the opposition Socialist Party and, so for political reasons, a disaster there would help undermine the Murayama government (Prime Minister Tomuchi Murayama was a Socialist)
- the multibillion-dollar Port of Kobe was financed with Deutschemark bond issues in Germany and so a devastating attack on Kobe would disrupt the re-emerging Japan-German economic axis
- Kobe was the center of the most vulnerable banks in Japan because of the strong yakuza influence there and so it was the Achilles heel of the Japanese financial system

Would America commit such an immoral crime? In the Japanese imagination, the country that dropped the A-bombs is capable of anything.

A variation of this theory needs also to be suggested:

that Russia or North Korea used electromagnetic weapons against Kobe to cripple Japan and to scapegoat the United States through an Aum propaganda campaign.

(Many of Asahara's more violent predictions were timed with the return of Kiyohide Hayakawa following his visits to Pyongyang and Moscow.)

Aum published a map with Kobe at the epicenter of convergent circles—but the map also included the entire Korean Peninsula, indicating perhaps some significant relationship.

The other possibility is that Kobe may have been the victim of an accidental discharge of electromagnetic power. The conditions were ideal for a manmade quake:

- two parallel faultlines along a narrow shore, dams in the hills (seismologists attribute several quakes to dam construction)
- a high-powered Bullet Train line tunnel cut through the rock of Mount Rokko
- a massive bridge being build across Awaji Channel (the epicenter)
- convergence of powerlines and deep steel pilings on artificial islands in Kobe Bay

All Kobe needed was someone to pull the trigger.

By 1995, the Kobe Steel lab—located along the Otsuki faultline in Kobe's waterfront—may have discharged sufficient energy to have accidentally triggered a quake. The electromagnetic beams and their configuration used for cold molding steel is, for all practical purposes, *identical to the Soviet seismic weapon*. The only difference is the level of power, but by 1995 Kobe Steel may have acquired the sufficiently powerful energy boosters.

By the early 1980s, Russia was shipping *Procyon energy boosters*, an invention of **Andrei Sahkarov**, to the U.S. Army's Redstone testing center. This was a key technology for the Vladivostok-to-Vancouver missile defense plan. One of the major problems in creating a wide area of plasma is energy, or the lack of it. A shield large enough to cover a mid-size U.S. state would require all the world's electrical output.

The **Procyon** can produce that much energy—for a fraction of a second (that is enough to get the job done). Other reusable Russian energy devices do much the same (though not quite as powerful) over longer periods of time, making space-based anti-missile defense a real possibility. This technological leap explains why the Republicans are now so gung-ho to revive SDI.

Was Murai's research financed by the government after he left Kobe Steel to work fulltime with Aum? After 2-1/2 years at Kobe Steel—during which time he studied yoga with Asahara's group—**Murai** got married in Nepal, joined *Aum Shinrikyo's priesthood* in 1986 and became the head of its science unit. Evidence gathered in Australia and elsewhere (to be discussed in future issues of Archipelago) indicates that Murai's research may have received covert funding under Japan's Star Wars program.

(Although SDI was terminated by the U.S. Congress in 1989, Japanese covert funding to major corporations has apparently sustained the research in the U.S., Japan and Russia; the BMDO (*Ballistic Missile Defense Organization*) is now more of a Japanese-engineered program than a *strictly Pentagon operation*).

Star Wars was the pet project of former Prime Minister **Yasuhiro Nakasone**, who took a keen personal interest in future weaponry. Did **Hideo Murai** ever deliver an executive briefing to the former Prime Minister and his aides and political associates?

Murai gave his only interview to the foreign press on April 5, 1995, when he met two American journalists for a 45-minute discussion. At that time, he said he was ready to disclose everything to the police and the FBI. In less than three weeks, and just one week before he was planning to turn himself in to the police, Hideo Murai was stabbed to death by an ethnic Korean, who was affiliated with a [yakuza organization](#) known to be a political ally of **Nakasone**—as TBS videotaped the scene, perhaps to make sure he would never speak again.

Why did electromagnetic weapons appeal so much to Japanese defense planners and the military-industrial complex? Mainly because they are billed as defensive weapons systems and, therefore, do not violate the Constitution. This also explains Murai's eagerness to protect his sect and his country from a militaristic United States (anyone who doesn't think America is militaristic had better take a look at the size of the Pentagon budget and the Department of Energy's own advanced research into electromagnetic weapons.)

As the next century approaches, the rule for winning tomorrow's wars is changing from the smart-bomb Gulf War days: The best offense is a strong defense. Whoever can disable another country's nuclear and conventional forces in the air, under the sea and on the ground will emerge as the winner in the 21st century wars.

The bad news for the world is that the electromagnetic experiments, initiated by **Murai** and implemented by **Hayakawa**, are continuing unabated under the direct supervision of top university scientists and Japan's military-industrial complex. (Watch for this breaking story in future issues of *Archipelago*). When (not if) EM weapons are used, and if the Final War turns out as Asahara predicted—a victory for the Buddhist East—Murai, Hayakawa and other Aum scientists will be hailed by all of chanting humanity as the saints of electromagnetic warfare and plasma weaponry.

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Vancouver to Vladivostok: Another V2 Bomb?

"From space, one could control the Earth's weather, cause drought and floods, change the tides and raise the levels of the sea, make temperature climates frigid."

—Lyndon B. Johnson
then a US. Senator, 1957

Was LBJ hallucinating? The hardheaded, ultra-pragmatic Texas politician was not known to be a daydreamer. Johnson, after all, didn't use much imagination to become Senate Majority Leader, Kennedy's VP or founder of the Great Society. He lacked the imaginative genius to either win or stop the Vietnam War. So what is this sci-fi stuff he's talking about—back in the '50s?

Well, the following year in an experimental program called *Project Argus*, the U.S. Navy exploded three atomic bombs in the newly discovered Van Allen belts, about 2,000 miles above the Earth. The Soviets were doing the much the same with bigger bombs. Sure enough, just like LBJ predicted, the *weather went crazy* in the early '60s. So the answer is: Sen. **Johnson** was not clairvoyant or an alien abductee, he was merely privy to highly classified information from the Pentagon.

Since Project Argus, the United States has made great strides in *global climate engineering*, and so has France, Israel and South Africa. But Soviets did even better at refining the core technology used to control weather and to play mind games—electromagnetic energy, especially microwave particle beams, and extra-long (ELF) and ultra-long frequency (ULF) waves.

When the Soviets exploded their early A-bombs at the Semipalatinsk test site (in Kazakhstan), they noticed that the blasts repeatedly set off earthquakes of unpredictable magnitude, duration and distance from the site.

Over time, they realized the quakes weren't caused by triggering latent instability in the rock structure—quakes were being induced by some *mysterious cause*. After subtracting blast energy from the subsequent earth motion, the equation came up positive. The quakes weren't caused by the physical force of the nuclear blast, but by a consequent resonance wave of unusual length. Nukes were merely acting like *wave generators*, and inefficient ones at that.

Like using dynamite to make waves in a swimming pool. At the Kremlin's behest to develop new weapons to counter the U.S. edge in advanced weapons, physicists like **Andrei Sakharov** and **N.A. Kozyrev** and **Sergei Korolev**, the father of Sputnik, put their own energies into finding more subtle and therefore more efficient generators. As they rebuilt the Soviet Union's scientific research establishment after World War II, they had to rely on theory when the technology or finding was unavailable and attempt conceptual leaps that the better-funded, but more conservative Western researchers wouldn't dare.

The obvious place to look for novel theories about electromagnetism was in [the papers of Nikola Tesla](#) (1856-1943), the Serbo-Croatian inventor who transformed Westinghouse from a maker of water pumps into the world's leading electronics manufacturer. Unfortunately for the Soviets, most of his sensitive papers after his death were classified by the U.S. military and put into cold storage and occasionally taken out for back-burner research by the Pentagon. So the KGB went to work, finding other scientists who were developing what has come to be known as "*scalar*" energy based on Tesla's theories of electromagnetism. Simply put, Tesla devised a way to use a purer form of electromagnetic energy, by separating electrical charge from mass.

Since the Earth is basically a huge electrical generator (scientists recently discovered, thanks to the soundings from the French nuclear tests at Mururoa, that the Earth's steel core is moving faster than the outer mantle, generating charge. It is possible to manipulate this charge, greatly easing power demands and reducing the factor of electrical resistance. With Tesla's technologies, it becomes possible to create standing waves in the atmosphere or through the Earth itself and combine basic scalar waves into more conventional forms of EM energy or into pulse weapons of devastating power.

Sergei Korolev, the founder of the early Soviet space program who designed Sputnik and put Yuri Gagarin into orbit, immediately thereafter launched nuclear reactors aboard orbiting satellites, to fire electron pulses into the ionosphere, and bounced radio waves off this EM mirror from powerful transmitters on the ground and aboard ships. The Soviet Union's winters started to warm; though the distorted jet stream brought havoc to other parts of the Northern Hemisphere. Korsakov died in 1966, but his research didn't.

"Man will move from the passive contemplation of the climate to actively shaping it. We shall learn to modify the weather, as we need. Our spacecraft will be able to induce rain in arid zones or to dispel thunderclouds to prevent torrential rains and hailstorms," Korolev said in 1963, using the future tense, even though the weather experiments were well under way.

Besides ELF waves, great progress was made in satellite communications with microwaves. The dangers of microwaves were already apparent, as *microwave-plasma incinerators* (like the one Aum owned) show when they destroy all tissue, bacterial material and viruses at biological weapons labs in a whirling ball of ionized gas. But telecommunications companies learned the hard way, whenever their satellite relays happened to miss a ground antenna (which are usually sited in isolated locations, far from nearby buildings).

Massive streams of microwaves can penetrate non-metallic or non-shielded structures and vaporize anyone inside. This, of course, is the scientifically plausible explanation for "spontaneous human combustion." If any reader of this page knows of such cases, please inform the surviving family to look for the nearest relay station and sue the *Telecom Company*.

By the 1970s, the Soviets were so far ahead in the game of electronic warfare – with over-the-horizon radar, ULF submarine communications, weather control, anti-radar systems and the like—that the American military had to play catch-up, under the cover of anti-ballistic missile defense research, which Ronald Reagan called SDI program and became widely known as "Star Wars."

The one event that stands out since LBJ's day is the end of the Cold War per se. Old rivalries don't die, they just fade away. In October 1996, an ex-KGB spymaster Vladimir Galkin was arrested at JFK airport and arraigned the next month on espionage charges. Galkin was allegedly trying to obtain documents from a symposium on sensors in Orlando in March, from the Electrical Energy Gun Conference at the Naval postgraduate school in Monterey, and from a lecture at Peterson Air Base, Colorado, on "electronic warfare challenges for space systems."

One of Galkin's sources for *Star Wars secrets* was an India-born engineer with Digital Electronic Corp. (DEC). Galkin was soon released after the Kremlin threw a fit, since Moscow has been selling the U.S. government technologies of much higher value, for example, the Procyon pulse explosive-generator (which generates voltage equaling the entire Earth's output for a fraction of a second).

Now, it's been 40 years since LBJ's prophecy of *global climate control*. Forty years is an eon when it comes to the mind-boggling pace of R&D. So let's jump ahead through hyperspace into 1996-97, without forgetting that in the interval Aum Shinrikyo scientists had been recently fishing for electromagnetic, laser and plasma weapons in Russia, as other articles in this sprawling series have discussed in fine detail.

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Shield of the North

On Oct. 1, 1996, a high-level Russian official, like a luscious, wiggling Salami, dropped the last veil—while Guru **Shoko Asahara**, imitating *John the Baptist*, had his neck on the chopping block. The Herods of Tokyo were obviously delighted by what they saw.

On a visit to Tokyo, the Russian official (Deputy Foreign Minister Gregory Karasin happened to be visiting at the time.) announced that Russia would cooperate with Japan to create a joint anti-ballistic missile system to balance Chinese power in the region. This ABM system would eventually be linked to a similar U.S. anti-missile system, which is known as the *HAARP program*, run by the U.S. Navy in Alaska. HAARP (*High-frequency Active Auroral Research Program*) is based on the ELF transmission system devised by **Bernard Eastlund**, former chief of the Atomic Energy Commission and consultant to Arco oil. (The prototype is registered with the U.S. Patent Office, #4686605.)

The next month, his chief, Foreign Minister **Yevgeny Primakov** (our old friend who met with former Prime Minister Yasuhiro Nakasone back in 1989, right before *Aum Shinrikyo* was ordered to develop an interest in Russia) arrived in Japan for three days of under-reported and unreported meetings. The one tidbit that was released to the public was that Japan would give Moscow \$500 million for the first installment of joint economic development of the four disputed Kurile Islands.

Meanwhile, the Russian Navy and Japanese military were exchanging visits and weapons systems. (On his visit to Moscow last April, Defense Agency chief Hideo Usui held up a Russian sniper rifle, beaming the same crazed smile as Kiyohide Hayakawa, when the sect arms trader brandished an AK-74 in Moscow in 1992. What is it about Russian guns?) In November, Adm. **Vladimir Kuroedov**, a Russian Pacific Fleet commander, attends the Western Pacific symposium in Japan.

Back in Moscow, in July, a new Japanese ambassador arrives. Takehiro Togo, of course, is another one of our acquaintance from the good old days—being, in 1990, the Foreign Ministry's Russian specialist who organized the Shintaro Abe mission to Moscow. Among the visitors was **Toshio Yamaguchi**, the *godfather of Aum Shinrikyo's Russian-Japan College*, the sect's main recruiting ground for Russian nuclear physicists and biochemists.

Yamaguchi, of course, was recently released from jail on \$1 million bond, in January. All is forgiven, forget what happened on the subways, just get back to work, boys! (Indicted for fraud and embezzlement of now-bankrupt businesses, where did former Cabinet member Yamaguchi get the \$1 million to post bail?)

Rather than begrudge these *fine patriots*, perhaps we are entitled to ask:

What the hell is going on between Moscow and Tokyo?

The problem, you see, the reason why the *good patriots with Aum* went to the trouble of penetrating the Russian defense and scientific establishment—well, to put it simply: It's all the fault of Gorbachev and Yeltsin. In 1990, Mikhail Gorbachev flung open the doors of the Soviet military establishment to **Shintaro Abe** and **Toshio Yamaguchi**, and their gofers in Aum.

But Boris Yeltsin, the chief of the Russian republic, was taking an anti-Japanese tone, in his bid to topple Gorbachev, which he succeeded in doing. So by spring 1992, Guru **Shoko Asahara**, Kiyohide Hayakawa and some 200 other Aum members arrived in Moscow to fish for potential allies, Yeltsin's security adviser Oleg Lobov.

At his April 1993 summit with President **Bill Clinton**, the pro-Western but nationalist (meaning anti-Japanese) Yeltsin proposed a joint anti-missile defense system under his "Vancouver to Vladivostok" (V2) initiative, also called simply "Trust." From Vancouver, the grand shield would stretch across Canada, the Atlantic, Northern Europe and Russia all the way to Vladivostok.

What's left out of this incomplete circle, of course, was Japan. The Japanese Foreign Ministry, the old sidekicks of Uncle Sam, were left out in the cold and decided to free lance in their bid for Russian technology.

The problem, you see, the reason why the *good patriots with Aum* went to the trouble of penetrating the Russian defense and scientific establishment—well, to put it simply: It's all Gorbachev's fault. In June 1990, Mikhail Gorbachev on his return from the U.S. made a speech in Kamchatka, in which he proposed a "Vancouver to Vladivostok" missile defense system. The V-V defense was to cover Russia, North Europe, the North Atlantic and North America. (Now, is it clear why the *Gorbachev Foundation* is based at the Presidio, former headquarters of the Western Defense Command?)

Now that the Tokyo subway-gassing furor has died down, Russia is selling Japan the most powerful weapons ever devised by humankind. Why is Washington looking on with approval? There are many reasons.

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Targets for EM Weaponry

China Containment:

Since the halcyon days of the Cold War twilight when Armand Hammer and the Commerce Department were covertly supplying computers designed in the U.S. and made in Japan to Moscow for Russian nuclear-missile submarines (High treason? This happened with Ronald Reagan's nodding approval, and for good reason, to prevent a Red October scenario), the KGB and CIA have been married.

But then a real problem flared. Wifey No.1, (remember the world's most important relationship?) Japan, became embittered and tried to convince Russia to split with the U.S.

This led to the Aum affair.

After the subway gassing, the principals decided on a threesome, a menage a trio. This tripartite relationship was aimed at fencing in the rising power on the block, China, and little brother North Korea. (Meanwhile, Aum survived the police raids and made its comeback, since its original purpose in life was to infiltrate and subvert China, anyhow.) Japan was alarmed about North Korean missile development.

It bought Patriot missile batteries, but these are useless. So it's desperate for Theatre Missile Defense (TMD) and any technology that can kill a missile above the launch pad. Russia offers its EM technology, and Japan is hooked.

But in a real sneak attack, if one ever happens, North Korea could nuke Japan by simply sinking an oil tanker in Fukui Bay, which would clog the intake pipes of nuclear-power plants on the Japan Sea and cause multiple nuclear meltdowns, the fallout from which would kill or maim at least half the Japanese population. Pyongyang could even collect shipping insurance for the lost oil. Or a remote-controlled toy plane armed with a pocket nuke could also trigger a meltdown. In short, there is a thick air of unreality surrounding ABM technology, but it is a good way to sell a multipurpose technology to the Pentagon and to Tokyo.

The reason is the blinding speed of incoming ballistic missiles, the use of multiple warheads and the fact that warheads can be fitted with EM shields to deflect pulse weapons and standing waves. What EM pulse weapons are very efficient at doing is downing civilian passenger jets, like the rocket-crippled KAL 007 and, possibly, TWA 800.

While we respect **Pierre Salinger** and the French intelligence agency, it is really strange how nobody ever mentioned the fact that TWA 800 was flying close to *Montauk Point* the SA-Air Force electronic eavesdropping, over-the-horizon radar and air-defense base, which does not appear on standard road maps. A flash of light was seen approaching the jetliner. If the investigators are not lying through their teeth, the black boxes were instantaneously short-circuited and the fuel tank was ignited and blew outward—*sure signs of an EM pulse*.

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Climate Control

Pilots repeatedly report UFOs over Hong Kong in 1994. A series of Chinese satellite-carrying rockets go haywire right after takeoff over the past two years. Floods of unusual ferocity sweep China and North Korea. Strange things are happening in the skies over Asia. These incidents could be classified as hostile, war-like acts, if they were done deliberately. But such actions are forbidden under a U.N. convention called ENMOD.

In the 1970s, the Americans became so frightened by the weather effects caused by the *Korolev-founded program*, the Pentagon founded its own *Project Nile Blue*, later renamed *Climate Dynamics*. But hopelessly behind without the Tesla mechanism known as the scalar potential interferometer, the U.S. Senate, under Sen. **Claiborne Pell**'s initiative, pushed for a ban on hostile uses of weather Control technology at the Committee on Disarmament in August 1975. The U.N. ban, passed in 1977, is called "*The Convention on the Prohibition of*

*Military or Any Other Hostile Use of Environmental Modification Techniques,” or **ENMOD**.*

For a while, Leonid Brezhnev and Jimmy Carter succeeded in restraining climate engineers. ENMOD, however, did not ban the “peaceful” applications of such technologies. The climate engineers made their comeback at the Rio Earth Summit in 1991. They argued that global warming and the shrinking of the ozone layer could be retarded by conservation and decreased pollution, but they could not be reversed—unless powerful EM technologies are used to engineer the upper atmosphere.

(Never mind that EM pulses rapidly destroy the atmosphere—the politicians and industrialists were easily swayed by Big Science, however misbegotten.)

The problem was, EM technologies could not patch the ozone hole or lower temperatures. So the climate engineers, especially the ones with MITI, devised an alternative approach—carbon dioxide sequestering through forestation. The idea is to bombard the deserts of Western Australia, the Western U.S. and the Sahel with EM waves to cause low pressure and precipitation. Vast forests would grow and convert CO² and other gases into wood and generate oxygen. The major center for this continuing research program happens to be in the environs of Banjawarn, West Australia, where **Aum** owned a sheep station.

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Asteroids

OK, Moscow had an incredibly cold winter, as was usual before the 1970s. So the Russians are promising not to wreak havoc to wipe out the Midwest’s soybean crop, but they still want to... Save Humanity from the Impending Horror of Extinction. The most likely Cause is the avenging *angels from heaven*, better known as *rogue asteroids*.

When a pair of researchers in the Yucatan claimed that the dinosaurs were wiped out by a big, skidding meteorite, mainstream scientists howled with laughter. Then, they watched in total awe as Levy-Shoemaker bowled into Jupiter like a runaway train hitting a dump truck. A similar hit on Earth would not just wipe out human civilization; it would mean the end of life.

The Apocalypse suddenly found thousands of true believers in white lab coats. Hubble showed us a whole lot more are one their way toward Earth. A 3-kni-long carrot-shaped thing passes outside the moon, and will return much closer next time. Astronomers calculate quickly, and realize that meteor impacts come in cyclical waves and that Saturn’s gravitational tug has been shaking loose asteroids from one of the “Trojan swarms” circling the sun in the same orbit as Jupiter. These rogues then fall toward the Sun.

The dire predictions caught the attention of the U.S. Air Force, specifically the *Ballistic Missile Defense Organization*, or **BMDO**. In 1994, BMDO attached two warhead-fitted rockets onto a space probe called Clementine I, which passed the moon and then were supposed to fire the rockets at an asteroid, to blow off fragments. The BMDO claimed *the experiment failed*.

More than year later, a strange “alien ship” appears to approach and follow the Hale-Bopp asteroid, which suddenly gives off a huge cloud of dust and changes course erratically. Did our darling Clementine happen to hit the wrong asteroid? Clementine II, fitted with rocket-launched research probes, is scheduled for launch in early 1998.

Curiously, physicists learned that asteroids have extremely strong magnetic fields. When approaching Earth, their trajectory tends to be deflected by the planet’s own EM field. In other words, an artificial EM field could possibly deflect an incoming asteroid by a few degrees—not enough to force it away from entry but sufficiently to save, let’s say Tokyo or New York City. Can such a large, strong EM field be created artificially?

The West Australians who witnessed the creation of a “Tesla shield” in isolated Banjawarn (while Kiyohide Hayakawa was in the vicinity on May 28, 1993) attest to the fact that the bubble of pink light held for about 2 hours before it suddenly shut down.

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Solar Plasma

Another space invader, besides the ones in Hollywood movies and Sega game machines, is called the *Solar Blob*. Every 11 years or so, the Sun releases a huge ball of energy, a blob of magnetized plasma that weighs several billion tons and moves at 620 miles per second. If one locks onto and merges into the weak side of the

Earth's magnetosphere (like a male plug into a socket), it creates a vast geomagnetic storm that disables any electronic in the skies and on the ground. The last big one hit, luckily at 2 AM, March 13, 1983, in the vicinity of Quebec.

It crashed the Eastern Canadian power grid for 9 hours. The next big corona mass ejection is due this year sometime. If it hits in the daytime in summer, when power usage is maximized, in the vicinity of a nuclear power plant, the results could be spectacular. The total blackout would also knock out backup power systems and make all the electronic controls spin around like tops. In other words, nothing could prevent a nuclear meltdown. Is it any wonder that Japanese scientists are eager for the Russians to build a Tesla shield generator on one of the four disputed Kurile Islands, under the new cooperation pact?

An EM shield could theoretically repel or divert a geomagnetic storm, at least away from something like a nuclear power station. Nobody knows what causes the solar blowout. No one really knows what happens when a very large asteroid slams into the fusion reactor known as the Sun. This year, **NASA** is sending two spacecraft toward the Sun to monitor the next solar outburst.

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Polar Shift

The magnetic poles of the Earth periodically reverse themselves. How the north pole become magnetic south, and vice versa, occurs is not understood, but it has happened many times in the geological past. The vast flux of magnetic energy is bound to create electromagnetic havoc—blackouts, nuclear meltdowns and the like. By encasing strategic command-and-control centers, ballistic missile silos, nuclear subs and nuclear power stations under Tesla shields, it may be possible to prevent a nuclear holocaust.

As the polar reversal could shut down the Earth's own energy field for a long time (it could be one of those days mentioned by the ancients when the sun stood still) or it could be as short as a billionth of a second, space planners would rely on plasma-generated laser and microwave energy beaming down to ground reception stations to power the Tesla shields. This is truly sci-fi terrain we've entered. Even with the most advanced technology, something is likely to go wrong.

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Power Generation

Asteroids, solar plasma and the increasing use of artificial EM highlight the problems of nuclear power. If these terrors don't destroy humanity, a series of meltdowns is guaranteed to finish off our species. Therefore, industrial societies will have to face the prospects of shutting down nuclear plants and find alternative sources of energy.

EM technology can provide new energy in abundance, though the money-grubbing industrial leadership will not willingly to tap into the cheapest energy source – the Earth's own electromagnetism. Instead, they will pursue crazy schemes, such as using satellites to capture solar energy and beaming it down to Earth stations as ELF energy or sending ELF waves from ground stations near major gas fields in places like Arabia, Indonesia and Alaska to consuming countries.

These strategies are sure to cause further environmental havoc—and widen the ozone holes over our heads. Sheer blind luck has enabled the human race to survive so far. Ignorance was bliss; will our new knowledge prove to be a curse? **Nikola Tesla** dreamed of a world of unlimited free energy for peaceful ends; what his technology is spawning is a world of limitless terror.

(Authors note: The long, intricate history of *EM technology and theory* could not be covered except as a caricature in this already sprawling article. The affects of EM waves on human brain activity by Soviet and U.S psychiatrists also had to be neglected as tangential to this story. *Archipelago* puts this material on-line only because it falls within the parameters of the Aum affair; the problem of human extinction is really beyond the scope of this on-line project, at least for now. Since the many implications of this esoteric technology are disturbing and provocative to say the least, we are happy to answer questions to Archipelago, and can provide research sources on specific issues, as they are too extensive and fragmented to be listed here, without footnoting every sentence.)

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Part 2

Victory for Shambala

How Aum Researched and Tested Electromagnetic Weapons for its Final War—in Japan, over the Australian Outback and in the Ionosphere

Synopsis:

This article is the second part in a series on how Aum Shinrikyo sect scientists researched futuristic Electromagnetic Weapons from the post-Soviet scalar arsenal and conducted their Tesla Shield tests in West Australia. Considered here are the experiments of Aum science chief Hideo Murai and the field testing of EMW by the sect's arms broker and climate engineer, Kiyohide Hayakawa.

Apocalyptic Predictions of His Holiness the Master **Shoko Asahara**, aka Chizuo Matsumoto:

"The weapons used in World War III will make the atomic and hydrogen bombs look like toys. At present, the centerpiece of the Russian arsenal is called the star-reflector cannon. The United States has the Strategic Defense Initiative, and the extension of this is 'microplasma.'"

—**Shoko Asahara**

April 19, 1993, speech to Sapporo branch of Aum Shinrikyo

"The weapon charges the whole space between the weapon and the target into plasma, making it look like a solid white belt, a 'sword.' This is the very sword written about in the Book of Revelation. This sword will exterminate almost all living things."

—**Shoko Asahara**

April 17, 1993, speech to Aum's Sendai branch

"The conjunction of Uranus (which signifies secret weapons or improved scientific weapons) and Mars may indicate that the United States will conduct experiments with weapons somewhere again."

—**Shoko Asahara**

radio broadcast, Jan. 1, 1995, predicting the start of US. Advanced testing early that year

"There will be a final battle between Rudra Chakrin, the king of Shambala, and a foolish being called Vemacitta. The war at the end of this century is the last event seen by many prophets for the past several thousand years.

When it happens, I want to fight bravely."

—**Shoko Asahara**

Aum radio broadcast Dec. 4, 1994

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In the Eye of the Galaxy

Few people around the world suspect the existence of electromagnetic weapons, and most would probably disbelieve the power, accuracy and variety of these weapons. Even the scientists and engineers at the center of the world's most powerful electronics-producing nation—Japan—were stunned to discover that long-range EM weapons with global reach were being secretly deployed by the superpowers. It happened by sheer accident, in February 1987.

The Japanese satellite called Ginga, or Galaxy, was launched that month in a high orbit, searching the skies for X-ray emissions from distant stars. But it also had another, secret mission—to detect gamma radiation from Chinese underground nuclear weapons explosions at the Lop Nor test site and Soviet nuclear tests in Semipalatinsk, Kazakhstan. Such military intelligence was crucial because trans-continental air currents would carry fallout from leakage from Central Asian tests sites directly over the Japanese archipelago—an environmental and public health nightmare.

When Ginga crossed the Equator in early June, it picked up massive staccato bursts of gamma rays, at twice the frequency of stellar sources. Astronomers linked to ground control at the *Institute of Space and Astronautical Science* wondered if they had found some sort of mutant quasar, but the data did not come close to any known source. Then, they realized the gamma ray discharges had come from below Ginga—but below it there was just a vast body of water, far from any nuclear plant, cyclotron or test site. They contacted **NASA**, which ran a computer check on satellite orbits.

NASA replied that the probable source was a Russian spacecraft, Japanese scientists came to the chilling realization that another satellite in lower orbit was irradiating the ionosphere. Each time Ginga overflew the path of Cosmos 1900—a craft that the Soviets claimed was an oceanic observation satellite—the readings were the

same: massive bursts of radioactivity. Accidental leakage? Not likely because Cosmos had not been launched until 10 months after Ginga, in December 1987.

Therefore, *Ginga* had detected radiation-seeding by a predecessor satellite that burned on reentry, which was soon replaced by Cosmos. The Soviets were using a series of satellites to deliberately irradiate the Van Allen belts of the upper atmosphere. But why?

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Ring over the Equator

What satellite Ginga stumbled upon was an electromagnetic “mirror,” a ionized reflector for transmission of low-frequency beams, which was a part of the Russian EMW arsenal. The electromagnetic technology has been used to alter the climate in the Northern Hemisphere to lessen the economic cost of Russia’s severe winters. It is also used for advanced global communications, for anti-missile defenses and to induce earthquakes.

In other words, it is extremely sophisticated and dangerous technology, wide open for abuse in the wrong hands. A similar system was patented by **Bernard Eastlund**, former chief of the U.S. Atomic Energy Commission, which forms the core of the U.S. Navy’s *HAARP program* in Alaska. (V2, the companion article above, provides an overview on this technology.)

If this artificially ionized belt acts like a mirror, then electromagnetic waves sent from ground stations in the Southern Hemisphere would be reflected back to a roughly equal longitude and a roughly equidistant latitude in the Northern Hemisphere, and vice versa. For example, to change the weather patterns on the steppes of Kazaldistan (Nikita Khrushchev’s hare-brained scheme was to grow wheat there; after initial failures, it is now one of the world’s top breadbaskets, thanks to milder weather), one would have to place a EM transmitter in the vicinity of French-controlled Kerguelen Island, south of the Indian Ocean.

The ability to focus the EM waves, however, is the most technically difficult problem, which can be solved by using two intersecting beams of scalar energy to create an interference pattern, that is, a third standing wave. This standing wave could be applied in different formats to create various electromagnetic effects or to ionize the atmospheric gases to create deadly plasma. This would account for a diversity of shapes and light effects, that is, UFOs, seen by many thousands of observers around the world that cannot be attributed to passing planes and other physical objects.

Since KAL 007 was ultimately downed by a EM pulse weapon, after it was crippled by a small air-to-air rocket, Japanese scientists could conclude that there is a major EMW station located on the Kamchatka Peninsula—and that was the real reason for the KAL 007 overflight. The point in the Southern Hemisphere that corresponds to Kamchatka is South Australia, which **Kiyohide Hayakawa** visited in vain (on a bogus uranium exploration mission) on his second visit Down Under.

Eventually, Hayakawa homed in on West Australia, a location that would indicate he was in contact with an EM base closer to Russia’s Manchurian and Mongolian borders, or inside North Korea. This *scalar interferometer technology*, reflected off the ionosphere mirror, is presumably what Asahara meant by “star-reflector cannon.”

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Aum’s EM Lab

As Ginga was gathering evidence on Russian atmospheric irradiation, a graduate student at Osaka Prefectural University studied the data. One of Japan’s top X-ray astronomers, specializing in stellar X-ray emissions, **Hideo Murai** was also a member of the yoga training institute that would become *Aum Shimikyo*. His inquisitive mind, spirituality and desire to protect humanity with science was backed by immense genius—an IQ reputedly higher than Einstein’s.

Murai must have known that the mystery of an artificial radiation belt around the Equator would have devastating consequences for humankind. But he was enough of a scientist to know that to fight this sort of global madness, one had to comprehend the underlying science. He was also a good technician. His professor marveled at how Murai wrote software to crunch his electromagnetic data inside a laptop computer.

Ginga’s findings would confirm Murai’s suspicions that influential astrophysicists and nuclear physicists in the West were under the influence of *occultic ideas*, as promoted by several fraternal orders. He accompanied **Shoko Asahara** to the pyramids of Egypt in July 1987, and the Guru reassured him that ancient psychic phenomena and

electromagnetic technology were inextricably **linked**. With his new understanding, Murai would eventually develop the now infamous electro-studded head gear that calmed brain waves, invent shields against EM weapons and would himself attempt to build the ultimate weapon for the Final War.

Murai's search for the ultimate weapon would lead Aum's cadres to farflung sites like the *Nikola Tesla Museum in Belgrade*, into the *DARPA databases* and to *Moscow*. And it would lead to his violent death, in April 1995, from abdominal knife wounds inflicted by an ethnic Korean gangster to protect the reputations and interests of some Very Important People. However independent-minded **Murai** may have been, Aum did not act on its own in penetrating the Russian aerospace program—the espionage program was financed and directed by Japan's scientific, political and intelligence establishment, as detailed in earlier issues of Archipelago.

The Aum science ministry's early research was on the periphery on EM weapons technology. For example, Murai and Toru Toyoda, the Tokyo University-educated nuclear physicist, were attempting to develop EM shields against laser-weapon attacks. Shoko Asahara believed that his driver had been repeatedly attacked by a blinding laser weapon, and the near misses had spared him from being a victim of an auto crash. He also assumed that Aum buildings were being bombarded by microwaves.

Murai developed special clothing in white cloth and gold and silver Mylar to deflect various wavelengths. This accounts for the stranger "spacemen clothing" worn by the sect members, and why the rank-and-file wore high-collared white uniforms. **Murai** was aware, however, that the plastic lining of metallic Mylar would melt and emit toxic fumes, if the surface was hit for an extensive period. The Aum buildings were painted white and windows of sensitive rooms were curtained with metallic Mylar.

To block visible light, Toyoda suggested aluminum panels for buildings. For longer wavelengths, he suggested the noble of gold and silver, which however transform light into heat, requiring a cooling system. Murai applied these principles to fabricate an electrically charged fine copper netting for the windshield of Asahara's vehicle to deflect and absorb laser light and microwave beams. The driver was also order to wear reflective sunglasses or goggles.

In one of his experiments, Murai bombarded a steel wire netting with microwaves and, separately, with a laser beam. The results were predictable, considering Murai's previous electromagnetic research on the crystal structure of iron. Aum's infamous *cremation unit*, which prosecutors claimed was used to dispose of bodies of murdered sect members, was actually a microwave-plasma incinerator, a common industrial waste disposal system. (Japanese mortuaries use this system to reduce corpses to white ash, and so do waste disposal companies.)

When microwaves are reflected and focused on industrial scrap, it generates plasma inside the magnetically protected chamber. This vaporizes the organic compounds into hydrogen and carbon and transforms the metals into gases. Upon cooling the alloyed metal is separated into and recovered as pure component metals.

"In the experiments with wire netting, I found that each material had its own characteristics. For example, iron wire netting produced plasma itself. The material I had put inside it burned," Murai recalled.

This discovery led to a theoretical leap. **Murai** was aware of reports of *spontaneous human combustion* in cases like the French student who went up in flames while taking a shower at St. Marie College outside Paris, or the woman sunbathing on a Rio beach who got a bad burn that left only her teeth on the sands. Murai realized that people were being bombarded by intense microwave transmissions from relay satellites. But he suggested that this strange incidents were not merely accidents of misguided transmissions, but were actually experiments in generating plasma through microwave interference.

"(Examples of individual spontaneous combustion) is definitely some sort of experiment. The trouble with microwaves is that they cannot be focused on such a small spot because of their wavelength. If a satellite is put into stationary orbit, and a 1 –km area is targeted, an antenna about 6 km wide is required. Thus, in my opinion, it would not work at the size of a human body, but at a wider range," he said.

Asahara then cited an example of a whole town in India suddenly being engulfed in flames. At another time, he speculated,

"In Tantrayana vows, there is one that prohibits attainments from destroying villages or towns. This means that the power to destroy a town or village is obtained through Tantrayana and Vajrayana practice. I believe that only I can stop World War III."

Murai replied that the width of a town or village conforms to the area affected by the wavelength of microwaves transmitted via a relay satellite. There was also the widely known report from the Gulf War of Iraqi soldiers being vaporized inside an underground Iraqi bunker. What made the highly focused microwave attacks possible, Murai realized, was to overlap three microwave beams to create electromagnetic interference, which ionizes the air and

organic matter into an all-consuming plasma.

Shoko Asahara kept himself well-informed about the “black weapons” being developed by the superpowers, using electronics technology made in Japan. He said,

“Remember the Strategic Defense Initiative? Plasma and laser weapons seemed to have vanished after the SDI program, but these weapons have become quite advanced. For example, there is a 50 kilowatt plasma weapon that can be carried inside a car and can instantly kill any living thing within 200 to 400 meters.”

The last example he cited, the ultimate car bomb, is not far-fetched, since an accident triggering of such a weapon about that time resulted in the vaporization of an auto-transport ship in the North Pacific. The news of that incident, of course, was heavily suppressed.

By March 1994, **Shoko Asahara** was confident enough about **Murai**’s research that he would say to Aum members at the Suginami branch in Tokyo:

“So the Final War will not be something like a Christian fighting with a sword against a Buddhist. It will be much fiercer. What will the final war be like? Current weaponry such as nuclear bombs and chemical, laser, plasma and other weapons will probably be used in full force. There will also be an ultimate weapon that can instantly destroy an area 10 kilometers in radius has yet to appear.... the power which holds this will win.”

Such a monster weapon was on a higher level of technology *than Aum possessed*. After solving the initial theoretical and technical problems on *pulse EM weaponry* to his satisfaction and initiating research on plasma weapons, and after receiving favorable reports from **Hayakawa** in West Australia, **Murai** was ready to attempt a much bigger EM project—to build Japan’s first scalar electromagnetic interferometer, which could be modified as a so-called “earthquake machine,” as a particle-beam air-defense system to knock out ballistic missiles, a high-energy shield or the decisive instrument of mass destruction in the Final War.

In the year before the Tokyo subway gassing on March 20, 1995, **Murai** was close to his goal and was preparing to build a large electromagnetic weapons facility. He had on order gas lasers from Russia, presumably to build the steady-state plasma generators for standing wave experiments. Aum cadres obtained software on laser amplification technology from the NEC laser research institute in Sagami-hara, and gained access to RDX (rapid detonating explosive) needed for pulse generators, from the *Mitsubishi Heavy Industries* facility in Hiroshima. The Aum hackers, using government-controlled networks, managed to penetrate sensitive U.S. databases.

Aum members were in contact with the *Tesla Society in New York* and had plans to visit the Belgrade museum where the papers of the prescient Serb-Croatian inventor **Nikola Tesla** are stored. Needless to say, this was merely a procedure to make certain no theoretical points were overlooked. Aum’s Russian scientists had provided detailed designs and the theoretical grounding to develop a technology more powerful even than the ultimate weapon predicted by Asahara.

“**Murai** had plans to build a huge research facility on one of the Aum properties,” said a senior Aum official this past summer.

“But only he knew any of the actual details. All other Aum members were strictly forbidden to work on the project.”

In other words, after gathering the know-how and components for the EM weapons center, an entirely new group of scientists and technicians from various institutes and universities were slated to take over the actual R&D work. Except for **Murai**, Aum had to step aside. At the time, Aum’s science-related technical staff—including the nation’s brightest and best young physicists and chemists—numbered more than 270 people, that is, more than most public research institutes. But the new weapons system, built under contract, was beyond the capability of the sect scientists and would need the skills of scientists trained in secret defense programs in Japan, and likely Russia as well.

Where did **Murai** expect to get the funding for such a huge project? How could they pay for such an ambitious weapons-research program? The senior Aum official stated,

“Ultimately, the funds came from the Japanese government through Hayakawa. **Kiyohide Hayakawa** (the sect’s construction minister and chief arms dealer) set up and ran several research institutes, which got most of their funding from government-funded R&D grants.”

A former *Unification Church* cadre, Hayakawa ran several companies that conducted research financed by semi-government foundations. He emerged as the central figure in the actual electromagnetic weapons testing conducted in West Australia.

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The Green Computer

The [Aum's Australian episode](#) was documented in detail in our predecessor publication, *The Japan Times Weekly*, before it was gutted. **Kiyohide Hayakawa** visited Australia on three occasions, and possibly approached offshore Perth for a fourth visit aboard a Soviet military vessel. Japanese police and foreign intelligence agency has revealed next to nothing has been revealed about his first two visits, except for a bogus uranium exploration mission in South Australia and his recruitment in Perth of a former Rashneesh supporter, an apparently wealthy Japanese woman, who was separated from her Australian husband.

Why such secrecy about the earlier visits? At the time, **Australia** was also a center of activity for two other principals in the Aum case—former Diet member [Toshio Yamaguchi](#), the sect's political liaison, and Shinshinto Diet member [Keisuke Nakanishi](#), who as Defense Agency minister allegedly linked Aum's intelligence chief [Inoue](#) to a secret organization of 700 rightwing Self-Defense Force officers and NCOs, especially those in an elite paratroop unit based in Chiba.

The pair often flew to Sydney as favorite guests and golf partners by [Harunori Takahashi](#), the head of the EIE group, whose overseas real estate activities and shady dealings (like flying the Japanese customs chief to Hong Kong for an unspecified meeting) bankrupted the Kyowa and Anzen credit unions. Takahashi was also one of the chief financial backers of Bond University, owning much of the real estate surrounding the campus.

After Guru [Asahara](#) returned to Japan after a visit to *Banjawarn sheep station*, he applied for a second tourist visa, this time to visit Sydney. The visa was denied. It might also be recalled that immediately after the Tokyo subway gassing, the JAL office, Japanese consulate and JETRO office and Japanese businesses in Sydney received threatening, supposedly from Aum, obviously a warning to remain silent about what they might have known about Aum and its contacts in Australia. The full extent of activities by the sect and its political patrons is still an evolving story.

Whatever his past activities *Down Under*, **Hayakawa** flew into Perth for his third visit in April 1993, bringing intelligence chief Inoue in tow. From there, on April 13, he was accompanied by a Japanese real estate agent to [Banjawarn sheep station](#) in the remote West Australian Outback. He was ostensibly searching for a source of uranium, though far better mining areas abounded north and east of Banjawarn. As an Australian geologist told Archipelago, the dry lakebeds of Banjawarn contained leached uranium salts but in concentrations too low for cost effective mining. Hayakawa must have had another geological purpose in mind.

After the Tokyo subway gassing, the news media suggested that Aum set up the ranch to conduct nerve gas experiments on sheep. Interviews with local residents proved this much publicized claim to be unadulterated crap. If Aum wanted to kill sheep, the job was better done in a controlled situation in Japan, without going to the trouble of smuggling nerve gas past customs or purchasing a vast range.

Curiously, the now-discredited Japanese police investigation claimed that sect chemist **Masami Tsuchida** made his first batch of several dozen grams of *sarin*, immediately before coming to Australia in the Asahara party in September 1993. If so, how could he have smuggled several grams of liquid *sarin* in a 1.8 liter sake bottle, as the Australian police have suggested? The sect had no self-enclosed chemical-reaction processor to separate the few grams of sarin liquid from more than a liter of solvent.

No, [Hayakawa](#) came for a much different purpose. He brought along what he called a "Green Computer" and a set of electrodes for direct electromagnetic readings from the soil. For days, he conducted EM readings and late into the nights punched in data into the green laptop, which exactly fits the description of the computing system that Murai devised during his college years. After the calculations were completed, Hayakawa decided to buy the sheep station in late April 1993.

Why did **Hayakawa** and **Inoue** spend entire nights crunching numbers on the Green Computer? According to Australian geologist [Harry Mason](#), Hayakawa had to have been taking precise electromagnetic readings and possibly searching for interference patterns and possible local anomalies. The purpose of these calculations can be surmised from the eyewitness reports, which are briefly summarized here.

In the dark hours just after midnight [on May 28, 1993, a fireball was seen by prospectors north of Banjawarn](#). It flew from the north toward the Banjawarn sheep station. After it disappeared beyond the horizon, a blue flash illuminated the sky, a powerful earth tremor could be felt over a radius of more than 100 miles, and then a large hemisphere of orange light, lined with a silverish glow, rose above the apparent blast site. The dome of light kept its shape for two hours, and then suddenly shut down like "someone turning off a switch," according to a researcher in the area. Months later, residents of Sydney were awoken by an similar blast and dome of light.

An article in *The New York Times* by **William Broad**, published Jan. 21 this year, focused on the blast and the flashes in the sky, but failed to note that *the luminous dome-like phenomenon remained stable for two hours*—unlike any natural occurrence such as a meteorite landing or a familiar human-caused event like a nuclear blast, not even a neutron bomb. No physical evidence of a nuclear blast—a crater or radioactive fallout—could be detected, ruling out a nuke or a meteorite impact.

There is only conclusion that satisfies the evidence: A Tesla shield was being demonstrated over Banjawarn and Sydney. A **Tesla shield** is a large electromagnetic standing wave that can protect a city or military base against missile and bomb attacks or against meteorites and electromagnetic pulses.

Were the Russians demonstrating their EMW technology to prospective Japanese clients through their agent, Kiyohide Hayakawa? Hayakawa wasn't merely a crazy sect leader or government spy, he was actually a trained observer, a full-fledged climate engineer. In the research phase for the Weekly report on Aum's Australian activities, the editorial staff contacted Osaka Prefectural University, where Hayakawa had done his graduate studies in "greening engineering," specializing in anti-desertification.

At the time of his studies, in the early 1970s, climate engineering was practically a forbidden profession, since much of its work was banned under a U.N. treaty. Following the Weekly's revelation, the university in Osaka changed its story and reported to the Japanese press that Hayakawa had studied the innocuous art of landscape gardening!

After leaving school, Hayakawa worked for the Konoike-gumi construction company in Kobe, his hometown. Then, as a Unification Church activist, he set up several companies in Kobe, specializing in technical research, which were funded by government science grants and bank loans. In 1986, he shifted his allegiance to Aum, and brought with him millions of dollars, the companies and more than a dozen cadre. From then on, as the Aum construction minister, he ran a separate operation inside the sect.

In 1988, **Hayakawa** purchased a valley in Naminoson, at the foot of Mount Aso in Kyushu. The barracks-like buildings were set up in a strange configuration, in a huge circle about the diameter of the U.S. Navy's "elephant cage" communications center on Okinawa. After a 200-person clash with alleged Soka Gakkai members shipped in from Tokyo, he was arrested and imprisoned. Soon after his release in early 1990, he entertained members of the Russian Embassy in Tokyo, and made his first of his 21 visits to Russia the following year.

One of his missions was to support a military insurrection in China, with Russian arms and provide nuclear weaponry to Taiwan. The civil war and invasion were scheduled for November 1995. It would seem that a war allying Russia, Taiwan, Vietnam, Thailand and Japan against China could provoke a nuclear response by Beijing against Tokyo.

Before the shooting war was scheduled to start, an anti-missile shield would be considered absolutely essential, and the Tesla shield that the Russians demonstrated in Australia fit the bill perfectly. Then came the Tokyo subway gassing, which canceled the East Asian war. Japan was still interested in the Russian technology, but after Aum was shut down, Tokyo could not purchase it covertly.

The demise of Aum did not deter Japanese scientists funded by MITI from pursuing another aspect of the West Australian EM experiments in weather control. It turned out that the desert was an excellent site for sequestering carbon dioxide, by growing vast new forests. All that is needed is rainfall—an rainmaking today is as easy as throwing a switch and bouncing energy off the electromagnetic ring above the Equator.

Satellite Ginga's discovery opened up a whole new galaxy for Japanese scientists, at least in terms of research grants. Meanwhile, local residents in the West Australian Outback have reported dozens of UFO sightings recently, and the area's climate has turned cooler and wetter, pleasing the scientists from Tokyo University and Tsukuba doing their anti-desertification research in *the Banjawarn area*.

Is Western Australia being used as a secret test site, without authorization from the local authorities, the Australian government or U.N. agencies in charge of the ENMOD treaty? Previous EM tomology (underground exploration with EM waves) experiments were conducted not far away by the French a few decades earlier. Because of its geographic position, low population density, the barrenness of the environment and electromagnetic features, the region makes an ideal test site.

And it should be recalled that former Diet member Shintaro Ishihara, a sponsor of Aum, has urged a merger of Japanese electronics industry with the Russian military program. This raises the suspicion that *a new generation of EM weapons*, based on scalar technology, is being tested in the Outback.

But wouldn't require people on the ground? Not to mention Aum and the Japanese scientists who followed them, local residents have repeatedly sighted many young Japanese males traveling singly on motorcycles through the dusty back trails of the Banjawarn area (there are hundreds of better biking trails in more hospitable and scenic

parts of the continent).

These biker sightings go back to New Year's of 1994, when a constable with the Laverton police (Laverton being the site of the aboriginal community who were intrigued by the Aum presence) found a 22-year-old Japanese male in the Outback, sitting in the 50 Celsius heat (122 Fahrenheit) with his feet in a puddle. His motorcycle had broken down and then ran out of fuel. He became dehydrated after running out of water. At the time, the unsuspecting Australian authorities allowed him to continue his journey after his hospitalization.

Later more Japanese bikers were sighted. One carried a map more detailed than any available in Australia. When queried, the motorcyclist said that he was a college student hired by a Japanese scientific research institute to conduct a detailed survey of plant life and landscape features. It can be assumed his movements were being tracked by a satellite navigation system. The extremely fine detail of such studies are reminiscent of the minute analysis done by **Hayakawa** on the *Green Computer*. It is known that EM technology can easily go awry, with stupendously dangerous effects, if electromagnetic conditions on the ground are not figured into the calculation.

Climate control experiments are bad enough, but isn't it far-fetched that they are being used merely as a cover for a secret weapons-testing project? After Asahara party left Banjawarn in the autumn of 1993, and even after the sect presence was entirely shut down in spring 1995, local residents witnessed any increasing number of strange electromagnetic phenomena in the skies over Western Australia.

The most unusual were standing columns of light that were sometimes not accompanied by cloud formations. One of these was actually caught on still photos—a glowing vertical pink line with smaller light features on either side, with strongly resembled the ominous and vast "sword" in the sky mentioned by Asahara.

In a commentary on Nostradamus, **Asahara** wrote an intriguing line,

"After insubstantial religions with a pseudo-light, there will be a religion which produces light as the sun does, and it will change the future."

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