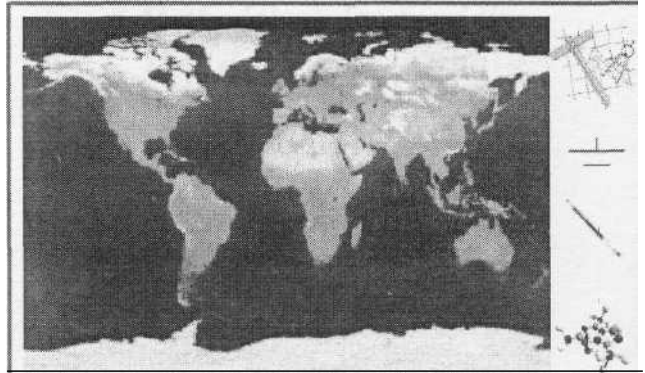


A Blueprint



for a Better World

Brian Desborough

Epigraph

This book is dedicated to the memory of Dr. Ruth Drown, Edwin Gray, Dr. Wilhelm Reich, Stephan Reiss, Victor Schauburger, Rudolph Steiner, Nathan Stubblefield, Nikola Tesla and Lloyd Zirbes, giants in their respective fields of advanced water and energy technology. Hopefully, a more enlightened future generation will have the good sense to apply the technological legacy bequeathed us by these dedicated scientists, for the betterment of all humankind.

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*First follow Nature, and your judgement frame
By her just standard, which is still the same:
Unerring Nature, still divinely bright,
One clear, unchang 'd and universal light.
—Alexander Pope, 1711*

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Acknowledgements

This book was made possible due to the scientific pioneering work and ideas of such towering intellects as Jaques d'Arsonval, Nikola Tesla, Lloyd Zirbes and Viktor Schauburger, who laid the foundations for a scientific revolution which is quietly occurring beyond the stifling confines of mainstream science. Numerous inventors have been either financially ruined, brutally beaten, or murdered, at the behest of those who occupy the corridors of power, in order to suppress attempts to create a veritable paradise on earth. I honor these hapless inventors, and where possible, have presented some of their ideas in this book. Sincere thanks go to Zia Trin for editorial help, and encouragement when things looked bleak, and to the person in Washington, Pennsylvania, who wishes to remain anonymous, but whose assistance was invaluable. My heartfelt thanks are also extended toward Jocelyn and Lauren Savage for having the courage to publish this controversial book and to my dear friend Nelda Willis for introducing me to the publishers. Last but by no means least, I must honor my primary school headmaster, the late Mr. A.A.E. Chenery, who instilled in me an enduring love and respect of nature.

Chapter 1: Culpable Evidence

Yea, though I walk through the valley of the shadow of death, I will fear no evil, for I am the meanest s.o.b. in the whole damned valley.

—The author's personal motto.

THE SOUTH TOWER'S COLLAPSING! The startled cry of the television news anchor was echoed by the cries of hundreds of pedestrians, as they fled for their very lives from the vicinity of New York's World Trade Center, as the South Tower collapsed vertically downward amidst an enveloping cloud of pulverized marble and concrete.

In the aftermath of the disaster, the economic collapse of the American economy accelerated, hatred of Muslims by the American populace increased, and well intentioned, yet incredibly misinformed Americans, drove cars proudly displaying the Stars and Stripes. Tragically, the "it can't be happening on American soil" syndrome set in, resulting in the numbing down of the American masses.

The American government would have us believe that the aircraft involved in the 9/11 incident were hijacked by Arab terrorists, who were acting under the direction of Osama bin Laden. This is a blatant falsehood, because the Boeing airliners involved were of the "fly by wire" type. Such aircraft are equipped with a black box that was developed by the technology arm of the Pentagon known as the Defense Advanced Projects Agency (DARPA). Whenever fly by wire aircraft are hijacked, and an attempt is made by the perpetrators to fly the aircraft to an alternate destination, control of the

aircraft is automatically transferred to a very covert Federal ground facility, thereby permitting the aircraft to be safely landed at the nearest suitable airport. Once the aircraft is under the command of the Federal ground facility, attempts by the hijackers to regain control of the aircraft by pulling on the control column or throttle levers will prove fruitless. Visual sighting of the hijacked aircraft during such an incident can be accomplished by means of a sophisticated pilotless drone surveillance aircraft, such as the Global Hawk, which has the capability of flying at an altitude of sixty thousand feet. Visual images from the drone are transmitted to the Federal command facility via a communications satellite.

What about the phone calls made by two passengers aboard two of the ill-fated aircraft, you ask? Barbara Olson was a reporter for the CNN television network, and was aboard American Airlines Flight 77, which crashed into the Pentagon; she was the wife of President George W. Bush's Solicitor General, Ted Olson. Only a few hours after Flight 77 had crashed, killing all on board, CNN reported that Ted Olson had informed the television network that he had received a *collect* phone call from his wife, shortly before the plane crashed. CNN claimed that Barbara Olson had informed her husband that the passengers had been herded into the rear of the aircraft by Arab hijackers who were wielding boxcutters. The television broadcast also claimed that her husband who, according to the *Executive Intelligence Review*, is an asset of British Intelligence, informed CNN that his wife made the collect call using one of the airline phones taken from the rear of a passenger seat. This claim is a smoking gun, since it is not possible to make a collect call from an American Airlines passenger phone.¹

In order to reinforce the lie that Arab hijackers were the evil perpetrators, the mainstream newsmedia later

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claimed that another phone call had been made from the airliner which crashed in Pennsylvania. The call purportedly was made by a passenger to a telephone operator, and supposedly lasted thirteen minutes. The passenger allegedly told the telephone operator that the plane had been hijacked by Arabs, and that some of the passengers were planning to attack the perpetrators. Why would hijackers permit a passenger to make a phone call in the first place, and why wouldn't a responsible phone operator immediately transfer the emergency call to an appropriate Federal agency, instead of chatting with the beleaguered passenger for an inordinately long time?

According to eyewitnesses, the aircraft which crashed in Pennsylvania was shot down by a jet fighter while still flying at a relatively high altitude. Bodies were observed falling from the stricken airliner, which left a trail of wreckage scattered over several miles, something which would not have occurred if the plane was in a steep dive when it impacted, as Federal authorities would have us believe. Due to the fact that this particular airliner was still at considerable altitude when it purportedly was shot down, would it have been possible for a passenger using a cell phone to have called a telephone operator? In order to solve this particular problem, Canadian computer scientist and mathematician A.K. Dewdney, who is an Emeritus Professor at the University of Western Ontario, attempted on February 25th, 2003, to make cell phone calls at various altitudes while flying in a light aircraft. His aircraft was of carbon fiber construction, which possessed far greater transparency to radio waves than the aluminum skin of an airliner. Dewdney found that some cell phones were ineffective at an altitude of only two thousand feet, while the very best proved ineffective at an altitude of eight thousand feet. We can therefore conclude that no cell phone calls were made from any of the aircraft.

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The World Trade Center towers had barely been transformed into an enormous pile of twisted steel and pulverized concrete, before the FBI claimed that Arab terrorists had left a trail of evidence in a hotel and also in rental cars. Strangely, this wildly suspect claim later was contradicted by FBI Director Robert Mueller. Speaking at the Commonwealth Club in San Francisco on April 19th, 2002, Mueller stated that the terrorists "left no paper trail." He added: "In our investigation, we have not uncovered a single piece of paper, either here in the United States, or in a treasure trove of information that has turned up in Afghanistan and elsewhere that mentioned any aspect of the September 11th plot."

In actuality, the author, together with several of his business associates, was informed in February, 2001, by a person well known in the highest echelons of the international financial community, that elements within and without the *United States Government*, were planning to perpetrate an event in September, 2001, which would accelerate the financial collapse of the American economy, after which the Dow Jones Industrial Index would be very gradually ramped down to a baseline of 5,500. Present American currency would be replaced by a two tier monetary system, with one dollar valuation for international trade, while the other dollar, to be printed on paper of another color (Rainbow currency) would be devalued to 94% of the present dollar.

The treasonous mainstream newsmedia would have us believe that the twin Trade Center towers collapsed because the heat generated by the burning jet fuel, weakened the tower's structural steelwork. The weight of the collapsing upper floors, so the media claimed, caused the lower floors to collapse catastrophically in a cascade manner.

This failure mode is patently false. Each of the twin towers was constructed around a reinforced concrete central core. This central core housed elevator shafts and heating and ventilation systems, etc... These central cores were supported by numerous massive steel columns made from steel four inches thick, the lower ends of which were anchored to the bedrock. The first visible evidence of the North Tower collapse was when the communications mast atop the tower plummeted vertically downwards. This only could have occurred if the lower end of the steel columns had collapsed first.

After the disaster, salvage workers removing rubble from the site, discovered that these aforementioned steel columns had melted. Such a catastrophic failure caused the central core of each tower to collapse vertically downwards, pulling every floor in the tower down with it, in a cascade mode.

Since structural steel has a melting point of 2,800 degrees Fahrenheit, and jet fuel burning in a copious airflow can only attain a maximum temperature of less than 1,600 degrees Fahrenheit, it follows that it was a physical impossibility for burning jet fuel to have caused the collapse of the Trade Center towers. Moreover, the burning furnishings in the towers emitted great volumes of black smoke; the soot particles in the smoke absorbed the highly energized free radicles, which normally would cause the deadly flash-over condition which fire fighters dread. This absorption of free radicle energy is known as the wall effect, and results in a drastic lowering of the temperature. In all probability, the temperature in the vicinity of the steel columns never exceeded 1000 degrees Fahrenheit, if the elevated temperature had been solely due to burning jet fuel.

What could have created such an extreme temperature as to melt the structural steelwork in both towers? We cannot expect to find the answer in the

findings of the official investigation conducted on behalf of the United States Government by the notorious Federal Emergency Management Agency (FEMA), which never bothered to investigate the anomaly of the melted steel columns. This is not surprising when one considers that the majority of FEMA staff is employed for the purpose of compiling dossiers on all members of the American populace, not for effectively assisting in disaster relief efforts. One also has to question why the FBI and the then New York mayor Rudy Giuliani, permitted the removal of the incriminating melted structural steelwork from the Trade Center site.

The cause of the extreme temperature which melted the steel columns is not difficult to discover, if we note the various anomalies which occurred at the time each of the Twin Towers collapsed.

Eyewitnesses reported hearing explosions immediately prior to the collapse of each tower. The Lamont-Doherty Earth Observatory is located on a 125 acre estate, some 21 miles north of the World Trade Center, at the town of Palisades. A research division of Columbia University, the observatory, in addition to monitoring seismic activity, is a developer of scientific instrumentation used in the detection of nuclear explosions.

The observatory detected a very weak seismic signal at the moment when each of the airliners impacted the towers. A much stronger 2.1 magnitude quake was registered at the time that the South Tower collapsed, and a 2.3. Quake occurred when the North Tower collapsed. Of extreme significance, very large seismic spikes were recorded at the *commencement* of each quake, *before* any of the debris hit the ground. Another important anomaly was the fact that all cell phones in the vicinity temporarily went dead, indicating that a strong

electromagnetic pulse had occurred in the immediate vicinity of the World Trade Center.

These anomalies are the smoking guns, which in conjunction with the reported explosions and melted structural steel, point directly to the only type of weapon capable of creating such havoc. The weapon is a micronuke. The 1960's saw the development of the W54 class of micronukes. This class of nuclear weapon was no larger than a coffee can, and possessed an explosive force equivalent to ten tons of high explosive. During the 1970's, a new type of micronuke was developed.

Known as Special Atomic Demolition Munitions (SADM) this micronuke was designed for the destruction of buildings behind enemy lines, by American special forces personnel, and had an explosive force equivalent to one hundred tons of high explosive. The cell phone failure and the specific seismic events, which bore the characteristic signature of a micro nuke explosion, are the anomalies which identify the type of weapons used to perpetrate this evil deed. Another type of very small bomb which possesses a very powerful explosive blast is known as an electro-hydrodynamic gaseous fuel bomb, nicknamed "Blue Lightning." Incorporating a Modular Energy Transfer Catalyzer, this deadly weapon was developed by the Wackenhut Corporation; although its blast signature does not correspond to the aforementioned anomalies detected during the Trade Center disaster, it may well have been the explosive device that blew up the Ryder truck which had been parked near the Murragh Federal Building, in Oklahoma City (that blast did not match the profile of a fertilizer bomb).

Some one hundred thousand tons of concrete and furnishings inexplicably "vanished" during the collapse of the Twin Towers. This can be attributable to the nuclear explosions—the concrete having been pulverized

into a fine powder, and spread over several city blocks, while plastic and textile fabrics were simply evaporated due to the intense heat. The mysterious respiratory illness suffered by thousands of rescue workers shortly after working at the disaster site was almost certainly the first stage of radiation sickness. The first victims to actually die from the disease will probably be the search and rescue dogs, who would have inhaled large quantities of radioactive particulate matter. When these hapless creatures die, their bodies should be autopsied and checked for traces of tritium.

In his book *The Curve of Binding Energy*, prolific science writer John McPhee quoted nuclear physicist Theodor Taylor, who prophetically stated that sometime in the future, terrorists would be able to demolish the World Trade Center with a nuclear weapon no larger than a stick of chewing gum!

Having determined that Arab terrorists were not the perpetrators of the diabolical act as claimed by the United States government and the corrupt mainstream media, and that the Trade Center structures were demolished by nuclear weapons, not by burning jet fuel, it is now incumbent upon us to determine the identity of the principal perpetrators of this heinous crime.

For several years, the author has served in a support capacity aiding survivors of Illuminati mind control programs. The general public has been led to believe that the Illuminati was a short lived secret society founded in Bavaria in 1776 by the former Jesuit scholar Adam Weishaupt. Nothing could be further from the truth. Actually, the Illuminati is a very covert society which has existed at least from the dawn of recorded history. Its hierarchy consists of thirteen very satanic and interrelated bloodlines, who secretly rule the world through their control of banks, transnational corporations, the military, the judicial system and heads

of state. Much can be learned about this most sinister and corrupt organization, whose members regularly participate in human sacrificial rituals, by reading the books "*The Biggest Secret*" and "*Children of the Matrix*,"² by author David Icke.

Occasionally, the programming of a mind controlled victim begins to unravel; when this occurs, the victim then begins to recover true memories of their past. Such memories often include working at such secret facilities as Area 51, being a sex slave for politicians or heads of state, or serving as an assassin (Columbine High School shooter Eric Harris used to complain to his friends of being drugged and subjected to mind control programming at an underground facility at Plattsburg Air Force Base in Upper New York State. There is indeed such a facility at that base, the above ground areas of which have since been closed. The subterranean facility is linked to other subterranean facilities by means of an underground tunnel three hundred miles in length, according to an informant who had previously worked at the base).

Through being associated with such hapless survivors of insidious mind control programs, the author has acquired an in-depth knowledge of Illuminati intrigue and genocidal plans for the global masses. Each of the thirteen Illuminati bloodlines operates an entity known as a "Council of Thirteen." The Illuminati High Council of the United States is located in Orange County, California, and sacrifices many infants and adults in its ghastly rituals, which are attended by high-level Freemasons, State Governors and prominent law enforcement officials, etc.. Obviously, such evil acts could not take place without the cooperation of local and Federal law enforcement.

Informants associated with the Illuminati High Council of the United States, have revealed that the High

Council head (initials R.C.) and his principal aide (first name Greg) both of whom are Vice Presidents of a telecommunications subsidiary (whose division in the Dominican Republic is heavily involved in the lucrative kiddyporn industry) were both involved in the abduction of political intern Chandra Levy.

According to investigative journalist Sherman Skolnick, both Chandra Levy and Monica Lewinsky allegedly were assets of the Israeli Mossad intelligence agency, and were used to sexually compromise major political figures (in Illuminati circles, such people, invariably mind controlled, are known as "Black Widows"). Interestingly, the parents of both Levy and Lewinsky engaged the services of the same attorney, and also the same public relations person. The author suspects that Levy was used for the purpose of sexually compromising Congressman Gary Condit, in order to let the resultant negative publicity serve as a warning to all politicians, that the same fate will befall them, if they leak information concerning the true perpetrators of the 9/11 incidents.

The Illuminati High Council head and his aide Greg, were members of a very elite MACV special forces unit during the Vietnam War. Associated with them is another Council aide, a former special forces colonel, who is a demolitions expert. This former colonel showed the author (and others) a chemical implant which has been inserted in his chest. The chemical has to be changed on a regular basis, or he will die. This is why he has to do the bidding of the Illuminati. Some key scientists also have been implanted in a similar manner. It is because of the special forces demolition and explosives knowledge of the aforementioned High Council personnel, that they were selected to oversee the placing of the SADM micronukes in the World Trade Center complex. The reader is reminded that the SADM

class of micronukes was specifically developed for the destruction of buildings by special forces saboteurs.

Even though the Illuminati High Council group were agents of destruction, they were not the evil perpetrators who conceived and directed the 9/11 havoc. Such perpetrators invariably are the ones who benefit the most from such monstrous acts. The large corporations, especially airlines, who became insolvent in the aftermath of 9/11, were quietly purchased by the Chinese corporate behemoth Huchison Whampoa. A major stockholder of the corporation happens to be Pilgrim Investments, which just happens to be owned by the Bush family! A typical acquisition was U.S. Air, which was purchased for four cents on the dollar, after the 9/11 debacle.

By progressively depressing the economy, and selling short on the stock of targeted companies, it is the intent of the treasonous Bush cabal to eventually acquire control of every significant corporation in America. This could not occur if the true winner of the presidential election, Albert Gore, had been allowed to serve his presidential term. This is why it was imperative for the Bush cabal to instruct the treasonous Supreme Court "gang of five" to hand the election to George W. Bush, in order to prevent any bona fide investigation of the criminal Bush cabal's narcotics trafficking. Not surprisingly, the senior member of the "gang of five" is Supreme Court Chief Justice Renquist, the former attorney for the Kemper Marley crime syndicate (Marley was the Arizona business associate of Al Capone. The convicted felon who managed Marley's liquor business was the father-in-law of Senator John McCain). It should be noted that the late Senator Prescott Bush, Sr, was the bagman who delivered funding for the creation of the Nazi Party. His son Prescott, Jr, allegedly is the secret ruler of America at the present time, on behalf of the Bush cabal.

The United States government has created a commission to purportedly investigate the 9/11 disaster, for the purpose of identifying all the perpetrators and their ties to Osama bin Laden. As is widely known, the bin Laden family have been business partners of the Bush and Rockefeller families for several years. Until shortly after the 9/11 incident, the bin Ladens had been major stockholders in both the Carlyle Corporation and Biopart, the latter being a manufacturer of anthrax vaccine.

Dr. Henry Kissinger had been originally appointed as chairman of the fledgling 9/11 commission, but soon resigned due to possible conflict of interest problems. He was replaced by former New Jersey governor Thomas Kean, at the behest of President George W. Bush. Appointing this particular gentleman to such an important post clearly illustrates the utter contempt that the Bush cabal has for the American public.

Exactly who is Thomas Kean, you may well ask? Kean is co-chairman of the Homeland Security Project, which played a major role in the establishment of the draconian Office of Homeland Security; he is also a member of the Council on Foreign Relations. Kean, is perhaps best known in financial circles as a director and stockholder of the Amerada Hess Corporation. In 1998, Amerada Hess established a joint venture—Delta Hess, with Delta Oil, in order to explore for petroleum in the Caspian Sea region. The Saudi owned Delta Oil is a partner with UNOCAL in the proposed Cent-Gas trans Afghan pipeline project.

Now, it so happens that Delta Oil is owned by Khalid bin Mahfouz and Mohammed Hussein al Amoudi. Khalid bin Mahouz is the owner of the National Commercial Bank, which is banker to the Saudi royal family, and was implicated, together with President George W. Bush in the BCCI banking scandal.

The aftermath of the 9/11 incidents resulted in the United States Treasury Department freezing the assets of one hundred and fifty Saudi companies and charity organizations who allegedly were funneling millions of dollars to Osama bin Laden for the funding of terrorist activities. The one trillion dollar class action suit brought by the families of victims of the 9/11 event, named bin Masouf and al Amoudi as funders of Al Queda. Incredibly, the Bush cabal hasn't frozen the assets of these two Saudi billionaires. Why?

The most incredible aspect of the Delta Hess venture is the fact that in 1988, the then director of the CIA, James Woolsey, during testimony he gave to the Senate, stated that Khalid bin Masouf has a younger sister who married Osama bin Laden! So here we have the ludicrous situation where Thomas Kean, a fellow who has been given a mandate to investigate the activities of Osama bin Laden, has a business partner who is Osama bin Laden's brother-in-law! Is this not yet another smoking gun which suggests that the Bush family and their cabal, presents a clear and present danger, not just to the American populace, but also to humankind in general?

Sadly, the gullible and politically ill-informed American public, has willingly surrendered their hard earned civil rights, in return for federal "protection" against terrorist attacks perpetrated on American soil. As Nazi Reichsmarchal Hermann Goering explained to the judges at his Nuremburg trial, the public will willingly surrender their freedom if a corrupt government falsely claims that a foreign country plans to attack them. This ploy was successfully implemented when Nazi soldiers, clad in Polish military uniforms, attacked a German border post at Hochlinden, thus providing the pretext for the Nazi invasion of Poland, at the commencement of WWII.

Similarly, the genocidal Gulf War I commenced when the United States government claimed that Iraqi tanks were massing along the border with Kuwait, even though commercial satellite images of the area clearly showed a total absence of tanks or tank tracks. Munitions used by the American military in the first Gulf war were largely supplied by the Carlyle Corporation, a consortium of weapons manufacturers, primarily owned by the Bush and bin Laden families. Much of the Iraqi infrastructure (electrical power, sewage and municipal water facilities) were deliberately destroyed in that bloody war. This genocidal act resulted in the post war deaths of more than one half million Iraqi women and children, from malnutrition, disease and the tons of radioactive dust created *MO*. through the use of depleted uranium bullets (a dozen NATO countries use such ammunition at the present time).

At the conclusion of Gulf War I, the former American Secretary of State, James Baker III, together with Prescott Bush, Jr, visited Kuwait and successfully obtained multi billion reconstruction contracts from the Kuwaiti Government, on behalf of the Bush family, thus demonstrating that war pays handsomely for the few, at the expense of the many.

It is the present goal of the western Illuminati families to establish a totalitarian government, scheduled to be fully operational in the year 2010. Before this is a reality, these evil families intend to reduce the global population to approximately two billion, by means of controlled nuclear warfare, plague and famine, in accordance with the United States National Security Council Policy Directive 200, drafted under the auspices of then Secretary of State, Henry Kissinger.

Naturally, the Chinese, Japanese and Russian Illuminati bloodline factions resent being the country cousins in this geopolitical power grab, and accordingly

are planning to launch a nuclear first strike on America and western Europe, followed by an invasion. According to an informant associated with the National Security Agency, the nuclear first strike on America is expected to occur at the time when a major solar flare temporarily "blinds" American surveillance satellites.

During the regime of Chairman Mao, female infanticide in the Peoples Republic of China was so pronounced, that it has resulted in some two hundred million young Chinese males of marrying age being left without any hope of marriage. This presents a potentially volatile political situation for the Chinese Government, a situation which would be relieved by turning these men loose in America, as part of the planned invasion.

At the present time, plans are afoot, instigated by the Bush cabal, to establish a nationwide smallpox vaccination program for healthcare workers. In an attempt to scare healthcare workers into acceptance of the vaccination plan, images are currently being shown on American television of patients whose skin is covered in what is claimed to be smallpox pustules, but actually are the large blisters caused by the insane medical practice of treating the smallpox pustules with carbolic acid. During the Vietnam War, the most important target of Vietcong snipers were American medics and any other medical personnel appearing in their gun sights. This was to prevent wounded soldiers from being treated, lest they recover and kill Vietcong troops at a later date. Some 250,000 American soldiers who fought in Gulf War I, are either dead or dying from the so-called Gulf War Syndrome. According to some medical personnel, the causal agents were mycoplasma and the vaccine adjuvant known as Squaline, which were deliberately added to the vaccines administered to American troops, prior to embarking for the Gulf War, as a population control measure. The contagiousness of the mycoplasma pathogen has resulted in kinfolk also

being infected. Squaline has been linked to illnesses ranging from Chronic Fatigue Syndrome to neurological diseases.

The author suspects that the proposed smallpox vaccinations of civilian medical staff will not be as a preventive measure, but for the purpose of slowly incapacitating, or killing medical personnel, thus preventing them from healing the civilian population of America, many of whom have already contracted the mycoplasma pathogen (possibly a genetically engineered strain).

As the reader can see from the above, the populace of America is between the proverbial rock and a hard place. If the famine, plague and controlled nuclear warfare, as desired by the western Illuminati bloodline families takes place, many millions of innocent civilians will perish; alternatively, a similar loss of life will result if the planned attack by China, Russia and Japan, against America and Western Europe, becomes a reality.

Ironically, most of the United States flags that were proudly displayed by gullible Americans in the aftermath of the 9/11 events, were manufactured in China. The official Chinese news agency recently announced that the profits from the sale of the Stars and Stripes since 9/11 has been so great, that it has covered the cost of manufacturing four more Chinese nuclear missiles!

Even more ironic is the fact that ^8t almost all Americans are totally unaware that the United States of America is not the name of a country, but in reality is the name of a private company and body politic, formerly known as the Virginia Company. In other words, America is still a satrapy of the British Crown. This bizarre situation is explained in detail in Chapter 10 of this book, together with a suggested non violent method,

by which the global populace is able to free itself once and for all, from Illuminati bondage.

Being a satrapy of the British Crown explains why all Federal trials held on American soil are conducted under British maritime (military) law, not common law, as is denoted by the gold fringe surrounding the United States flag, which is always prominently displayed in Federal courtrooms. A defendant entering a Federal courtroom in America automatically surrenders his or her civil rights. A Federal courtroom is an enclave, as is a foreign embassy, if it is located in America. A Federal courtroom, being an enclave, is, in effect, a state within a State, something which is strictly forbidden under *Article IV* of the American Constitution. Federal judges who conduct trials in such an enclave on American soil outside of the District of Columbia, are committing treason, and should be prosecuted accordingly.

Just as a few strategically placed charges of explosive can rapidly demolish a highrise building, so the Illuminati house of cards will come tumbling down if its foundations are undermined. Paul Revere created a word of mouth pandemic during his historic ride, thereby alerting the various militias along his route. Until recently, it would have been very difficult to create a global word of mouth pandemic. It is, however, feasible to create such a pandemic at the present time, thanks to the introduction of the internet, and also by other means of electronic communication. If a few people, well versed in the illegal activities perpetrated by the Bush cabal and other Illuminati groups, initiated a global word of mouth pandemic by means of the internet, the Illuminati house of cards would inevitably collapse. Imagine, for instance, the fury of the New York fire fighters, if they were appraised of the true facts concerning the demise of the World Trade Center that fateful September day.

During the 19th century, American Illuminist Albert Pike, and Giuseppe Mazzini, the Grand Master of the Italian branch of the Scottish Rite Masonic Order, corresponded on matters concerning the Illuminati master plan for the creation of three world wars. Some of this correspondence is in the archives of the British Museum, in London. The correspondence outlined the Illuminati plan and reasons for the initiation of World War I and II. Remarkably, these wars subsequently occurred as detailed in the plan (e.g. the breakup of the British and German Empires and the creation of Communism). According to the correspondence, World War III will commence with a war in the Middle East. All the major powers will take sides as the conflict escalates. In the aftermath of this horrendously bloody war, the relatively few survivors will be so disillusioned with present religions that they will readily embrace a new Illuminati Luciferic religion, which is currently being developed at a private retreat in Crestone County, Colorado.

In October, 2001, the author learned from an Illuminati informant, and also from a civilian and a military source, that a major West Coast American city is to be subjected to an aerial gas attack, using a private aircraft scheduled to take off from the John Wayne airport, in California. This heinous crime is to be followed at a later date by the creation of an enormous tidal wave, which is designed to destroy the same city, as a population reduction measure. During the 1970's, the Soviets determined that an underwater nuclear explosion, detonated at the subterranean sea mount off the coast of Santa Barbara, California, would create a tidal wave five thousand feet in height. Such a tidal wave could also be triggered by means of Tesla geophysical warfare equipment.

As is self evident from the above information, the majority of the populace of America and western Europe

will almost certainly perish during the next decade, unless the masses somehow develop an awareness of the on-going plot to largely depopulate humanity, and take steps to demand that the perpetrators be brought to justice. The purpose of this book therefore, is not only to provide you, dear reader, with the necessary skills to survive such a holocaust, but also to enable future generations of survivors to create a veritable paradise on earth, through the implementation of the non polluting free energy devices and advanced horticultural and water technologies described in this book, in order to make the deserts bloom once more.

In view of the economic chaos which has befallen America since the advent of the 9/11 disaster, perpetrated on behalf of the malevolent Bush cabal and its overlord—the British Crown, perhaps we should conclude this chapter with a quote from that distinguished American statesman Patrick Henry. The great man refused his appointment to the Philadelphia Convention on the grounds that he "smelt a rat," and ferociously fought against ratification of the Constitution, claiming that it had been illegally prepared, declaring: "What right have they to say 'We the people'?" Henry also pointed out that a future American government could grant: "a great and mighty President the powers of a king . . . The licentious and wicked of the community will seize with avidity everything you hold." Could he have had the Bush cabal in mind?

Chapter 2 Planet Earth is Alive—But Not Well

If the doors of perception were cleansed, everything would appear to man as it is, infinite. For man has closed himself up, till he sees all things through narrow chinks of his cavern.

—William Blake

Western academia would have us believe that Earth is an inanimate planet, with all life being sustained within the biosphere, a term conceived early in the twentieth century to describe the region extending from the ocean floor to the stratosphere. Such mechanistic dogma has afflicted the western world for the past several centuries, and is at variance with the cultural mind set of much earlier civilizations.

The earliest cultures of antiquity invariably considered planet Earth as a living entity, who nurtured and provided sustenance to all living creatures.' This belief structure began to change with the advent of Judaism. Curiously, Judaism presents a doctrinal paradox: the cabalistic mystical work known as the *Zohar* holds that Earth is overseen by a mother goddess known as the Shekinah, who represents the feminine aspect of Yahwey, and is the animating force in all living things. This wisdom aspect of Judaism was subverted by the rabbinic and doctrinal corpus of teachings, which hold that attunement with nature is idolatry.

The ancient belief that Earth is a living entity which should be held in reverence, also received a major setback when the Israelites were instructed in the Book of Genesis to "subdue the earth." Presumably this malevolent edict was written for the purpose of

misdirecting the adulatory attention of the Jews, newly domiciled in Judea after their release from Babylonian captivity, away from attunement with nature, and toward the corrupt Levitical priesthood, who had established themselves as the Judean ruling hierarchy.

It was the introduction of Christianity that brought the virtual death knell in the west to the belief that Earth was a conscious, living entity, as church "reformers" instructed their congregations that pre-Christian sacred or geomantic sites were the work of the devil. Since the Church fathers were aware of the true interrelationship of all living things, but elected to withhold such esoteric knowledge from the masses, groves of sacred trees were removed and replaced by Christian churches. Similarly, pre-Christian holidays were replaced with Christian counterparts, even occurring on the traditional pagan days. In this manner, the interactive relationship between the populace of the western world and planet Earth, was gradually severed.

The 17th century of the present era saw revolutions in science and industry. In Britain, the notorious Enclosures Act, drafted on behalf of rapacious aristocratic land speculators, displaced poor country dwellers from their land, forcing them to migrate to the urban areas and live in squalor. Britain's oak forests began to disappear under the woodsman's saw, in order to supply lumber used in the construction of naval vessels (it took approximately two thousand trees to provide the lumber to build a man o' war). This was an era when even Sir Isaac Newton found it was politically prudent to refrain from publishing his belief in a living Earth.

By the early twentieth century, a belief in a living Earth was totally anathema in academic institutions throughout the western world, for universities found it extremely profitable to extol the virtues of farming with

artificial fertilizers and pesticides. And thus, as the last vestiges of a belief in a living earth crumbled under the onslaught of academic thought police, the living planet we know as Earth was rapidly being poisoned by transnational petrochemical corporations, whose Illuminati owners were more interested in obscene profit margins, than exhibiting good stewardship of Earth and its inhabitants.

Fortunately, a wind of change began to blow through the stultifying labyrinths of academia after publication of the book *Gaia: A New Look at Life on Earth*, by British Professor James Lovelock.² Perhaps because he is a maverick, Lovelock is one of those very rare individuals—a scientist who adopts a multi-disciplinary approach to problem solving. This in an era when it normally is political suicide for a member of academia to venture into a supposedly alien discipline, in order to solve a research problem.

While engaged in atmospheric research at NASA's Jet Propulsion Laboratory in 1965, the good professor realized that highly reactive gases in the Earth's atmosphere should react with one another until a state of equilibrium is reached. But they do not, which is very fortuitous for us, for if they did comply with the accepted laws of chemistry, all life as we know it on Earth would cease to exist.

It became apparent to Lovelock that several regulatory systems maintained temperatures, oceanic salinity and the cyclic movement of reactive gases, in an optimally narrow range necessary for the existence of life on planet Earth. Lovelock further reasoned that these various regulatory systems were under the control of a master regulatory system, which he named after the Greek Earth Goddess Gaia.

The scientist and his associate, the noted biologist Lynn Margulis, observed that the planetary regulatory

system is self compensating. Thus, as atmospheric greenhouse gases increased, marine algae growth increased correspondingly in some parts of the world. Algae exude dimethyl sulphide gas, which is the principal source of nuclei on which atmospheric moisture forms, thereby creating clouds. By reflecting sunlight over the oceans, the increased cloud cover lowers oceanic temperatures, thus diminishing the greenhouse effect.

In addition to castigating academia for fragmenting various disciplines into disparate enclaves, which fail to intercommunicate, Professor Lovelock also issues a dire warning to humankind: his scientific research demonstrates that any species which negatively impacts the planetary environment in a catastrophic manner is destined for extinction. Through the wanton use of artificial fertilizers, pesticides, fossil fuels and genetically modified foods, we obviously are sowing the seeds of our own destruction. Thankfully, the remedies for such irresponsible planetary stewardship are contained in the following chapters of this book.

Interestingly, at the same time that the Jews were undergoing their Babylonian captivity, Pythagoras, during his sojourn in southern Italy, was promoting the concept of an interrelationship between all things, and that Earth possessed an intelligence. Plato also held a similar viewpoint, claiming in the *Timaeus* that planet Earth animates all living things by performing as an intermediary on behalf of a supreme cosmic intelligence. Those members of academia who are afflicted with an acute case of myopic vision, have undoubtedly scoffed at Plato's belief that planet Earth receives data from a Supreme Intelligence, for the purpose of animating all life within Earth's biosphere. Before we throw the baby out with the bathwater however, let us

first determine whether or not there is at least a modicum of truth in the ancient Greek philosopher's claim.

The late Dr. Carl Sagan was a spokesperson for the scientific organization known as the Search for Extraterrestrial Intelligence (SETI). The SETI group of scientists has used a large radio telescope linked to electronic recording equipment capable of monitoring twenty eight million separate channels of data. To date, no intelligent signals emanating from the cosmos have been detected by the SETI group.

This is not surprising, considering that the SETI equipment was constructed for the detection of conventional radio signals. Such radio communication utilizes Hertzian transverse radio waves, first commercialized by Marconi, and still used today by commercial radio stations. Such transverse waves are subjected to static interference, and travel slower than the velocity of light. Radio waves emanating from a distant source in the universe would take an inordinately long time to travel to even a relatively close planet. An advanced extraterrestrial race therefore would not be expected to communicate over long distances by means of such primitive technology.³

A century ago, that amazing genius Nikola Tesla, discovered how to create longitudinally pulsed waves which not only could be broadcast free from static interference, but also lacked a time component. In other words, a longitudinally-pulsed signal could be instantaneously received at a planet many light years away. Unfortunately for the civilian population of earth, the Tesla communication system was found to be effective for communicating with submerged submarines, and also for the transmission of free energy. In consequence, Tesla's very advanced technology was never permitted by the Illuminati to be commercialized,

something we will discuss in more detail in a later chapter of this book.

The Tesla communications technology is not the only method suitable for interplanetary broadcasting however. The late George Lawrence was a Los Angeles electronics engineer. In 1962, Lawrence was assigned the task of developing a special transducer for missile applications. This was an incredibly difficult assignment, for the transducer not only had to simultaneously detect minute fluctuations in gravity, temperature and electromagnetic fields, it also had to resist jamming by electronic countermeasures. Such a feat was beyond the capabilities of conventional electronic transducers.

Fortunately for Lawrence, during his research he became acquainted with a unique series of experiments conducted in the 1920's by the Russian histologist Alexander Gurwitsch. The Russian scientist had aimed the tip of an onion root at a piece of a similar onion root. After a few hours of such exposure, the target root was found to have increased its cell division by twenty five percent. Realizing that the phenomenon had to be due to some type of radiation emanating from the other onion root (he termed it "mitogenetic radiation") Gurwitsch discovered that only gelatin or glass were capable of blocking the rays.

Applying Gurwitsch's experiments as a basis for further research, Lawrence was able to develop a series of psycho-galvanic analyzers. These incorporated biologically active transducers, which he fabricated from thin wafers of quartz, coated with plant proteins doped with methylglyoxol compounds. Signals detected by the transducers were converted into quantitative electrical signals, which in turn actuated an audio oscillator. Normally emitting a steady tone, the system broadcast a series of audible pulses whenever the biological sensor detected a signal emanating from an external source.

Lawrence tested the device in the high desert country east of the southern California town of Temecula, in order to minimize electromagnetic interference from overhead powerlines or radio transmitters. Applying high voltage electric shocks to a tree located some distance from his analyzer, Lawrence's equipment responded noisily whenever the tree was shocked, thus verifying that his biosensing system was detecting signals being transmitted by the distressed tree.

In 1971, while conducting his experiments in the arid high desert, Lawrence and his assistants took an afternoon break one day, while leaving his equipment turned on and randomly pointing towards the sky. After a few minutes, the steady audio tone being emitted from the analyzer changed to a series of pulses, signifying that his equipment *was detecting biogenetic signals emanating from somewhere in the cosmos!*

Subsequently refining his equipment, Lawrence was able to convert the incoming signals to video images. Video images normally are received sequentially because a time component is involved. In contrast, the intelligent information being detected by Lawrence's biosensors was of an eidetic nature. In other words, the data was being received in complete packages. At the present time, we lack the technology to translate such images, other than by psychic means. It is self evident however, that since the information was being detected by means of plant proteins, it follows that plant life in general is in communication with at least one cosmic source, which is extremely profound, to say the least. Lawrence's biosensing technology subsequently was covertly adopted by NASA; in addition, Lawrence's experiments were successfully replicated by the independent Borderland Sciences Research Foundation.

In view of the fact that George Lawrence unequivocally demonstrated that the plant life within the

biosphere of planet Earth not only possesses the ability to broadcast emotional signals (e.g. distress) but also is in communication with the cosmos, could it be that Earth itself also possesses similar capabilities? Classified petrovoltic research conducted by the late American scientist Townshend Brown, on behalf of the Office of Naval Research, revealed that crystalline rocks possess the capability of detecting signals emanating in deep space and converting some of the captured energy in the form of electricity. Medical researcher Dr. Robert Becker has stated that such semi-conductive rocks "possess a crude consciousness."⁴

One of the major components of Earth is water, in fact, almost three quarters of the Earth's surface is covered by water. The belief that most of the water is contained in the rivers, oceans and atmosphere, is a popular misconception. In actuality, hydrologists have estimated that there is up to thirty times more water within Earth than there is in all the world's oceans combined. Much of this subterranean water is contained in crystalline rocks; the ore known as Brucite, for example, contains thirty one percent water.

What has water got to do with the detection of intelligent data, you may ask? Only that it has been scientifically demonstrated that water detects and responds to emotional stimuli!

It is all too easy to dismiss such a readily available substance as water as one of nature's more mundane products, yet in reality, water is a truly wondrous living entity, not only possessing an extremely high tensile strength and an ability to penetrate and dissolve most substances, but also because it has the inherent capability to detect, process and memorize environmental data, thus qualifying it as a living substance. Moreover, water has the remarkable attribute

of modifying its molecular structure in response to transmitted *emotional* thoughts!

Experiments conducted by Italian scientist Giorgio Piccardi during the 1930's, demonstrated that aqueous solutions of various chemicals underwent different rates of reaction, according to such cosmic influences as lunar cycles or sunspot activity.

Formulators of homeopathic remedies so dilute the medicine, that not a single molecule of the substance which originally had been added to distilled water remains. French immunologist Jacques Benveniste, for instance, found that white blood cells could be affected by antibody solutions so diluted that not a single antibody molecule remained. It would appear that the water in which such substances are dissolved, memorizes the molecular structure of the added substance.⁵

The absolute proof that water detects, processes, encodes (memorizes) and modifies its molecular and resonant energy field in response to emotional stimuli, is to be found in the research of Japanese scientist Dr. Masaru Emoto.

Born in Yokohama in 1943, Dr. Emoto is a doctor of alternative medicine and President of I.H.M. General Research Institute, Tokyo. A gentleman with a very enquiring mind, Dr. Emoto, being aware that no two snowflakes have the same geometric configuration due to differing atmospheric contaminants, conceived the idea of examining the structure of ice crystals as a means of determining water purity.

Dr. Emoto took water samples from numerous sources, including municipal water supplies, rivers and springs. One drop of each water sample was placed in a separate petri dish, then frozen. When the frozen specimen was at a temperature of minus five degrees

Centigrade, the specimen was photographed at a magnification of two hundred times, or more, so that any individual ice crystals present could be observed. Samples taken from pristine sources such as fast flowing mountain streams, displayed beautiful hexagonal crystals, similar to those of snowflakes, whereas water samples collected from polluted rivers, most municipal water supplies or even distilled water, revealed little or no crystalline structure. Being aware that water has a memory, Dr. Emoto placed samples of distilled water in sealed glass vials, then placed each vial in turn between two hi-fi speakers and played a particular piece of music. The samples were then frozen and later analyzed in the aforementioned manner. Samples subjected to classical music, or music specifically composed for healing purposes, resulted in beautiful snowflake crystalline configurations. Samples subjected to heavy metal rock music however, displayed horribly distorted crystalline patterns.

While the good doctor was presenting his research at a lecture, one audience member described an experiment involving two sealed samples of cooked rice. One rice sample was thanked each day, while the other was scolded. After a month had elapsed, the rice which had been thanked had changed to a golden color and possessed a pleasant odor, while the other sample had turned black and had rotted.

This latter experiment prompted Dr. Emoto to place distilled water in sealed glass vials. One vial had a paper label attached on which was written the Japanese words for "Thank you." The other vial bore the Japanese phrase for "You fool." The individual words had been typed on a word processor, not hand written. The sample marked "thank you" resulted in the characteristic hexagonal crystalline pattern, whereas the other sample resulted in minimal and distorted crystallization.

One experiment conducted by Dr. Emoto had very profound results. A water sample was taken from Fujiwara Dam, in Japan. Reverend Kato Hoki, the head priest of the Jyuhoin Temple, in Omiya City, performed a prayer ceremony lasting one hour, beside the dam. Many Japanese people believe that the human soul dwells in the spirit which is present in words. At the conclusion of the prayer period, another water sample was taken from the dam. A photo of an ice crystal prepared from the initial water sample, depicted a dark and distorted image resembling a human face undergoing great suffering. The water sample taken after the prayer session, on the other hand, produced an incredibly lovely ice crystal, replete with a visible energy field.

Dr. Emoto was initially prompted to conduct water research after speaking with the American scientist Dr. Lee Lorentzen, whom the author has had the pleasure of meeting. Dr. Lorentzen's wife fell very ill; various medical specialists failed to cure her, so Dr. Lorentzen, being aware that water comprises approximately seventy percent of a human's body weight, decided to develop a method for improving the structure of water which we drink.

Even though water molecules normally tend to form cage like clusters, they lack the ability to produce the beautiful hexagonal ice crystals as photographed by Dr. Emoto, unless the water is very pure and energized. Dr. Lorentzen was able to develop equipment which subjected distilled water to a laser and a special magnetic field. The resultant product produced ice crystals similar to those created by Dr. Emoto. Realizing that water has a memory, Dr. Lorentzen was able to imprint the processed structural water with the Meissner energy field of various herbs, e.g. Cats claw, by means of a magnetic resonance analyzer. After drinking the prepared water, Dr. Lorentzen's wife recovered her health.⁶

Dr. Lorentzen's water treatment process, aided by the photo technique invented by Dr. Emoto, represents a major medical technological breakthrough. By imprinting micro-clustered water with the energy fields transcribed from selected medicinal substances, a very inexpensive method has been discovered to not only combat deadly diseases, but also to promote longevity—surely the proverbial fountain of youth.

If living things, including water, have a memory, we have to address the question of exactly what is memory? Since the 19th century, a few scientists have suggested that all life forms are enveloped in an energy field which contains data that defines the subsequent growth of that organism—a development template in other words. This control of growth and configuration is termed morphogenesis.

In the 1930's, Yale University professor Dr. Harold Burr developed very sensitive electronic equipment, which was able to detect a biological energy field surrounding various organisms, ranging from vegetation to humans. Dr. Burr monitored the energy field of a tree for several years, and found that the field fluctuated under the influence of lunar cycles, sunspots and severe storms.

The distinguished Cambridge biologist Dr. Rupert Sheldrake created a veritable storm of academic controversy in the 1980's, with publication of his books *A New Science of Life* and *The Presence of the Past*. Expanding the morphogenetic field theory, Dr. Sheldrake presented a hypothesis which he termed "formative causation," in which the morphic field surrounding an organism represents "....a kind of pooled or collective memory of the species. Each member of the species is moulded by these species fields, and in turn contributes to them, influencing future members of the species." Sheldrake hypothesizes that the system

functions by means of a non-energetic transfer of information, which he terms "morphic resonance."⁷

Dr. Sheldrake stresses that "Our memories may not be stored inside our brains, as we usually assume they must be." He also suggests that the morphic fields are of an evolutionary nature, and that a super morphic field oversees the activities of individual morphic fields appertaining to each type of organism or species of creature. He points out that we do not expect to recover television programs after the set has been turned off, and that laboratory rats still possess memories even after most of their brains have been surgically removed, suggestive that memory is associated with morphic fields. New forms of synthetic crystals are usually very difficult to produce, yet with the passage of time, similar crystals are manufactured with ease, under standardized conditions, in various parts of the world. It would appear that the morphic field of that particular crystalline type, has gradually acquired a cumulative memory; the memory or template, which defines the molecular configuration of that type of crystal, is then transmitted, regardless of distance, to similar crystal growing systems by means of morphic resonance.

Convincing evidence that morphic fields exist is to be found in the cross breeding of totally dissimilar species. Believed an impossibility by most people, a great deal of such genetic engineering is covertly being performed at secret military facilities, in order to create various types of humanoid beings. The author has interviewed individuals who claim to have encountered humanoids at such covert facilities as Area 51, in Nevada, and the Naval Air Warfare Center Weapons Division at China Lake, California. Among the humanoids they purportedly observed were some with dolphin heads. Such claims appear preposterous, until we consider the published experimentation and photographs of the genetic engineering conducted in *Blueprint for a Better World*

Russia by Chinese scientist Dr. Tsian Kanchen, who successfully crossed such dissimilar species as goats and rabbits. Dr. Kanchen's experiments were accomplished electronically, by encoding dynamic DNA information from the morphic field of one species, and electronically phase coupling it with the field of a dissimilar species. When the second species mates with one of its own species at a later date, the offspring will exhibit physical characteristics of both species.

In this chapter, we have seen how plants are receiving intelligent information from the cosmos and how the experiments of Dr. Harold Burr demonstrated how planetary influences such as lunar cycles affected the morphic fields of trees. In each case, the structured water contained within each living cell probably was the biosensor which detected the incoming informational signals, just as structured water responded to emotional stimuli in the fascinating experiments of Dr. Emoto.

One of the best sources of micro-clustered structured water is the sap and juice of fruits and vegetables. Approximately eighty percent of the weight of the human brain consists of such structured water. If a human fetus is lacking in sufficient structured water, it obtains more from the brain of its pregnant mother. When the amount transferred from the brain exceeds about forty percent of the available quantity, the mother subsequently undergoes post-partum depression, which is why it is imperative that pregnant women include adequate amounts of fruits and vegetables in their diet.

In view of the above, is it not possible that an in depth study of the harmonic interrelationship between planetary and lunar cycles and human cells, could elevate astrology from New Age dogma to a meaningful science? At the present time, an excessive numbers of variables, together with a lack of statistical data, inhibits astrology from being accepted as a science.

Research conducted by the RCA Corporation several decades ago, into the effect of planetary influences upon radio reception, revealed that the angular orientation of the solar system planets with respect to Earth, played a significant role in the quality of radio receptivity. Orientations such as squares, trines, sextiles, etc., were found to be of paramount importance, just as they are in traditional astrology. Moreover, the relatively new science of planetary orbital resonance has determined that the solar system is actually a harmonic structure, with the various planets being in a resonant relationship with each other.

Studies conducted by endocrinologists have found that hormones secreted by the endocrine glands determine both our individual physical and mental characteristics, depending upon which endocrine gland is the most dominant. In an exhaustive study spanning more than two decades, researcher Michel Gauquelin studied the personality profiles of thousands of people who were engaged in professional occupations. He found that their personality profiles fell into specific categories, corresponding to which specific planets were either just appearing over the horizon, or overhead at the time of birth.⁸ Gauquelin's study, which has withstood very critical scientific scrutiny, was later expanded upon by Rodney Collin.⁹

It would appear that the specific planetary locations at the time of an infant's birth, are in phase-locked resonance with the fluid within the cells of the endocrine glands. The planets which are in the ascendant or at the mid heaven point at the time of birth, influence one endocrine gland more than the others, with that specific gland becoming the dominant one for the remainder of that person's life. Studies have shown, for instance, that the adrenals become the dominant glands if Mars is coming over the horizon, or at mid-heaven, at the time of birth. Such children tend to become star athletes, due to

their muscular bodies and aggressive and competitive nature. If further scientific studies are conducted into celestial influences upon the human endocrine system, an improved form of astrology surely can take a rightful place among the sciences.

Chronobiology is a new science which is beginning to make meaningful inroads within the medical profession, particularly in Europe. It is a science which studies the relationship between the time of day and the health of a person. Nikola Tesla discovered almost a century ago, that celestial influences create Extra Low Frequency (ELF) waves within the Earth's crust and atmosphere. These are found to be strongest at early afternoon and weakest just prior to dawn. Such ELF waves exert a considerable influence upon the human body, which is why they are of major concern to chronobiologists, since the body's resistance to stress is lowest just before dawn. Moreover, one's mental faculties are also at their lowest at this early hour.

Very disturbingly, most American surgeons commence their surgical operations at this very early time period. Not only is this the chronological period when a surgeon is most likely to commit errors, due to reduced mental alertness, it is also the time when a patient is most likely to die on the operating table. Conducting surgery at this hour, as a matter of routine, is accordingly tantamount to murder. As part of our blueprint for a better world, surgical procedures conducted at such an early hour should be banned, except in the case of dire emergencies.

The sum total of information provided in this chapter should persuade even the most skeptical of readers that Planet Earth is indeed a living entity, and accordingly should be treated with reverence, not subdued, as the *Book of Genesis* commands. If the Earth is a living entity, shouldn't it be subject to growth, from infancy to

maturity, in keeping with all other lifeforms? Absolutely not, claim the academic cabal. But are they correct?

Sadly, academia has elected to ignore any alternative theory to conventional plate tectonics as a means of explaining continental drift. Noting that the continents possess coastal outlines suggestive that they could fit together, e.g. the coastal outline of West Africa has a shape that would nest with the eastern coast of South America, if they were pieces of a jigsaw puzzle, academia accordingly theorizes that all the world's continents at one time in the very distant past, formed a single very large continent, which they termed Gondwana. Gondwana later broke up into separate continents, which gradually drifted apart in a random manner, under the influence of plate tectonics, or so academia claims.

Interestingly, if the earth were only approximately fifty two percent of its present diameter, all the continents would merge together, with a fit better than ninety nine percent, with no room for oceans. In this particular model, continents have not broken up and dispersed in a random manner, but rather disperse in an orderly fashion as the crust of planet Earth extends radially. Advanced sea floor mapping techniques (including magnetometer and paleontologic time surveys) have revealed the various geological ages in which oceans were formed. From such data, earth expansion geologists have been able to construct sophisticated computer models of the various stages of actual earth expansion.

All the world's oceans exhibit mid oceanic ridges, where lava has been extruded as the sea floor spreads in a radial manner. At the present time, each ocean is spreading at the rate of up to ten centimeters a year. An obvious question to be addressed is: if Earth is expanding, where does the increased mass come from?

Scientists have yet to answer this question, other than suggesting that mass is generated from a condensation of energy. If a garden pea is placed in a test tube partially filled with distilled water, then sealed and weighed, it will be found that after the pea has germinated, the assemblage will have increased in weight and the pea plant exhibits an increased mineral content. The author suspects from other studies, that dipole energy emanating from the sun creates the increase in mass—the north pole assisting in photosynthesis, while the south end of the dipole stimulates cellular root growth.

Dr. Henry Moray (the true inventor of the transistor in 1922) together with the author's former research associate, the late Dr. Gordon Allen, developed a mineral enrichment technique which increased the mass of gold by three hundred percent, by bombarding it with an appropriate resonant energy source. In a similar manner, it may be possible that solar dipoles are the energy source which may enable anaerobic bacteria residing deep within the earth's crust to manufacture minerals, thereby gradually increasing the planet's mass. It should be noted that some petroleum deposits in the Sahara Desert are located in pre-Cambrian geologic zones, which formed prior to the presence of plant or animal life. It is claimed by French scientist Dr. Louis Kervran, that anaerobic bacteria produced these particular petroleum deposits, through the transmutation of various minerals. An in-depth presentation of global expansion tectonics can be found at the website of geologist James Maxlow (www.geocities.com/CapeCanaveral/Launchpad/6520/).

The information presented in this chapter not only demonstrates that planet Earth is a living organism, but also is indicative that as part of our blueprint for a better world, we must restructure education so that children can be taught why we must be good environmental stewards by trying to understand nature, instead of

attempting to subdue it. If the present generation of children can be taught to develop an appreciation of the wondrous diversity and harmonious interaction to be found within nature, then perhaps future generations will learn to live in harmony with one another, regardless of ethnicity. Only then will peace reign upon our living planet.

Chapter 3 Water—the Lifeblood of Planet Earth

*People are losing their individuality, their ability
to see things as they really are and therefore
their connection with Nature.*
—Viktor Schauberger

To listen to the mainstream news media, one is given the indelible impression that the world is running out of potable water. Phrases such as: "Water has become a scarce resource," and: "Academics, scientists, politicians and hydrological experts are today in agreement that the world faces a grave water crisis," constantly assail our ears. Contrary to such ill-informed statements, water is not a finite resource; moreover, as was stated in the previous chapter, the estimated volume of water contained within the Earth's surface is up to thirty times that of all the world's oceans combined.

If water is such an abundant commodity within the Earth, why are so many nations, especially the lesser developed ones, ravaged by famine at the present time? One particularly insidious reason why some regions have been stricken with prolonged drought is that some droughts are deliberately being created by means of weather engineering. This is in accordance with the edict of the United States National Security Council Policy Directive 200, which was drafted when Henry Kissinger was Council Chairman, under the Nixon Administration. The policy directive called for a massive reduction in the size of the global populace by means of famine, plague and controlled warfare. Part of this monstrously evil plot consists of the destruction of eleven American cities by means of nuclear strikes, and the inundation of another city by means of an induced tsunami.



Undoubtedly the principal reason for an acute global shortage of water for agriculture, commerce and domestic use, can be laid directly at the feet of hydrologists, who direct their professional expertise almost solely on what is known as the hydrologic cycle. This cycle defines the circulatory pattern involving the evaporation into the atmosphere of sea water, which condenses in the form of rain or snow over land masses, prior to flowing back into the oceans once more. Sadly, although the hydrologic cycle is correct so far as it goes, it covers only a minor portion of nature's overall water cycle—a subject not taught by academia.

Photosynthesis, the process by which plants utilize solar energy to synthesize organic compounds from inorganic substances, splits the chemical bonds of water molecules contained within the leaves, thus dissociating the water into oxygen and hydrogen. The hydrogen, in turn, combines with carbon dioxide in the manufacture of carbohydrates. Contrary to popular belief, the oxygen is liberated from the water molecules, not from carbon dioxide.¹ This means that the water contained in plant leaves, once dissociated into hydrogen and oxygen during the process of photosynthesis, cannot be recovered, since the hydrogen is used in the production of carbohydrates and the oxygen is released to the

atmosphere.

This means that approximately six hundred billion tons of non-recoverable water are depleted annually from our biosphere, during the process of photosynthesis. It has been estimated that the total mass of seawater in the world's oceans is 1,406,000,000 billion tons. If some six hundred billion tons of water are consumed annually during photosynthesis, then all the oceans should have dried up in less than three million years. Clearly, something is very amiss with the hydrologic cycle as presently taught by academia, for the

oceans have been in existence for far longer than a mere three million years, so additional water to compensate for losses due to photosynthesis is obviously coming from somewhere. Apparently, the global water supply is not a fixed and immutable quantity, as hydrologists would have us believe.

In his book *They Cast No Shadows*,² the present author presents astrophysical and historical evidence which suggests that Earth temporarily captured an ice-coated comet approximately six thousand eight hundred years ago, which eventually went into its present orbit as the planet Venus. While orbiting Earth, the ice coating disintegrated, vaporized, then was precipitated as ice and snow, forming the polar ice caps. Volcanic polar activity has gradually melted much of this ice. In addition, satellite images have revealed that numerous ice comets weighing approximately one hundred tons apiece, enter our atmosphere every day from a vast cometary belt surrounding the solar system. Astrophysicist Dr. Louis Franks has hypothesized that an enormous ice comet also impacts Earth every twelve million years or so, which also would considerably add to the planetary water supply.

In addition to the above additional water sources, the main water source is undoubtedly of geochemical origin. Geologists have found that the majority of mineral deposits are formed by the process of hydro thermal deposition, utilizing water rich in carbon dioxide and alkaline salts. As mineralization proceeds under great heat and pressure, water is concentrated in the remaining molten magma until a saturation point is reached, at which time, excess water is expelled from the magma under great pressure. Gases liberated into the atmosphere during volcanic eruptions are approximately eighty percent water vapor.

One of the last minerals to be precipitated during the process of magmatic crystallization is boron. Geologists concur that all American boron deposits were produced with the aid of fresh, not sea water. A deposit of the boron ore kernite was discovered in the Mojave Desert in California. The estimated original tonnage of the deposit was one hundred million tons. Precipitation of so much kernite would have required 2.2 billion tons of water. Only 29 million tons of water would have remained in the ore following precipitation, leaving some 525 billion gallons of virtually pure water expelled into the fissures of surrounding rock. All this potable water, much purer than that found in municipal water supplies, from the vicinity of only one ore deposit, yet this type of geochemical water deposit is totally ignored by our hydrological "experts."

Hydrogen and oxygen occur in abundance within planet Earth. When granite and other crystalline rocks move during seismic upheavals, the compressed crystals discharge what is known as piezo electricity. The released electrical discharge can amount to 100,000 volts, and may cause hydrogen and oxygen present in rock fissures to combine, thus forming water. An excess of hydrogen will combine with present oxygen to only form water, while an oxygen excess will result in the formation of water and ozone. Occasionally, hydrogen peroxide is also formed (many springs with therapeutic qualities, e.g. the spring at Lourdes, possess a high hydrogen peroxide content).

Given the vast mineral deposits throughout the world, it is self evident that the amount of pure water expelled during the crystallization of such deposits must be enormous. Great stresses are imparted to rock formations as minerals within them continue to crystallize, resulting in the creation of long fractures and very large fissures within the rock. It is into such fissures that fresh water expelled during the crystallization

process accumulates in vast quantities. It is this water, encapsulated within solid rock formations, that we must utilize if we are to solve the world's water supply problems.

Due to the myopic thinking of hydrologists, present commercial potable water sources are restricted to repositories of water derived from precipitation, apart from a minor amount produced from expensive desalination facilities. As we shall see in the next chapter of this book, much of this precipitation derived water can be considered unstructured "dead" water, not suitable for enhancing the health of the global populace or livestock.

Fortunately for humanity, Swedish mineralogist Adolf Nordenskiöld (1832-1901) had the vision to realize that the many lateral fissures present in rock might contain potable water, particularly since he had recalled his father mentioning that he knew of coastal mines with shafts below sea level, which had fresh water in them.

Great difficulty was frequently encountered during stormy weather, in keeping Swedish offshore lighthouses and pilot stations supplied with potable water, which had to be shipped from the mainland. Nordenskiöld decided to try to eradicate the supply problem by drilling a well in the solid rock, on which a Swedish offshore pilot station was erected. The Swedish mineralogist struck a copious flow of water at a depth of thirty five meters, then proceeded to drill thirty more wells in solid rock, only one of which struck clay, not potable water. For his efforts, Nordenskiöld was nominated for the first awarding of the Nobel prize, but unfortunately died before his candidacy could be voted upon.

The late Stephan Reiss was a very experienced German mining engineer who emigrated to America and,

for a brief period, became associated with a mining venture headed by President Herbert Hoover. While still living in Europe, Reiss had noted that the water supply for some medieval castles was not a spring, nor a well fed by an aquifer, but instead consisted of a large cistern hewn from solid rock. Reiss theorized that hydrogen and oxygen liberated from primary rock formations, combined to form a very pure water when appropriate temperatures, pressures and naturally occurring catalysts were present. The newly created water was then forced upwards under great pressure, into fissures and large cavities of largely impermeable rock formations.

Putting his theory to the test, Reiss drilled wells in solid rock, selecting locations in very arid areas of California, where hydrologists previously had claimed no potable water was present. Each experimental well drilled by Reiss yielded potable water in impressive quantities, varying between a few hundred thousand and three million gallons per day. The water characteristically possessed a very low mineral content, indicative that its source was not ground water which had percolated downwards until it had reached bedrock, but rather primeval water which had risen from the depths of planet Earth.

Convinced that he could locate potable water in arid areas where professional hydrologists claimed no water existed, Reiss began the overseeing of well drilling operations commercially, and established an enviable track record for bringing in wells which produced large volumes of very pure water.

After reading about the unorthodox yet highly successful well drilling exploits of Reiss, the President of the Sparkletts Drinking Water Corporation hired Reiss to oversee the drilling of a well at the company property located in San Diego County, in California. The company previously had drilled eight wells on the same

property at locations where hydrologists had predicted a good supply of water would be found. Three of the wells produced approximately one hundred gallons of water per minute; the remaining five wells produced no water at all.

Watched by smug hydrologists, Reiss decided to commence drilling at the bottom of an existing four hundred foot dry well. After drilling through three hundred feet of solid rock, the drill bit struck a large crevice; water under high pressure came to within twenty feet of the surface. Although the well was only three inches in diameter, it produced at a steady rate of three hundred gallons per minute.

The conclusion of WWII saw a major population shift from the eastern half of the United States to Southern California. Many of the new residents settled in Los Angeles, a city already beset by an acute water shortage. Simi Valley is a small town located just to the north of Los Angeles, in Ventura County. By the early 1950's, more than one hundred wells had been sunk in Simi Valley, but the burgeoning increase in water consumption soon depleted the local aquifer, putting a halt to further housing developments.

On a hill several hundred feet above the floor of Simi Valley, the intrepid Stephan Reiss drilled three wells in solid rock on a site less than an acre in size. The three wells produced a combined output in excess of five million gallons of water per day, and are still producing. Reiss subsequently sold the property to real estate tycoon Clint Murchison for one million dollars.⁴

A group of real estate developers who had planned to construct a recreational town in the Mojave desert, engaged the services of Reiss to produce a sufficient volume of potable water to serve as a municipal supply. Today, three wells drilled in solid rock by Reiss still

comprise the municipal water supply for the recreational development known as California City.

Reiss was invited to Israel in the 1950's to discuss the feasibility of drilling for water in the very arid Negev Desert. Despite opposition from Israeli hydrologists, Reiss was given permission to oversee the drilling of a twenty inch diameter well in solid rock. Water was struck at a depth of a little over one hundred feet, but drilling continued until a larger cleft was reached. The well was estimated to be adequate for the needs of 100,000 people. Whereas conventional wells in the region delivered water containing 3,000 parts per million of dissolved solids, the Reiss well only contained 500 parts per million of dissolved solids, typical of water obtained from solid rock fissures.

As America's population rapidly expanded in the 1950's, California became the breadbasket for America. Reiss's fame spread as California produce growers, desperate for more irrigation water, turned to Reiss for help after being informed by State hydrologists that drilling more wells on their property was infeasible.

This was a period when plans were in progress to convey water hundreds of miles by aqueduct and pipeline for the purpose of irrigating vast tracts of central California. Obviously, if the State of California adopted Reiss's method of locating copious volumes of water on site, the proposed aqueduct and pipeline projects would become unnecessary. Not surprisingly, Reiss's well drillers were forced to cease drilling operations after discovering that a bucket of ball bearings had mysteriously found their way into the well overnight. The subsequent implementation of the irrigation projects resulted in huge profits for the construction companies involved, and doubtless large kickbacks to corrupt bureaucrats and politicians who approved the projects. Seeing the handwriting on the wall, Stephan Reiss retired. Prior to doing so however, Reiss

drilled a well in a rock formation at Thermal, California, which is in very arid desert country near the Salton Sea, and created a small lake.

We should honor the memories of Adolf Nordenskiold and Stephan Reiss for their pioneering work in clearly demonstrating that abundant quantities of pristine water can be obtained throughout the world, by drilling into impervious rock. No longer is it necessary to pipe water hundreds of miles from lakes or rivers just to supply a thirsty city, for water can be found where it is needed, almost without exception, by adopting Reiss's methodology.

We are exceedingly fortunate that Stephan Reiss discussed his methodological approach to finding water. Through studying his various recorded comments, and noting the geological terrain in the vicinity of wells drilled by Reiss, it becomes evident that the optimum sites are in areas of high mineralization, especially if primary rocks possessing a degree of hydrogen and oxygen are in the locality. Reiss liked to drill at the contact zone between a dyke and the adjacent sedimentary bedrock (dykes occur when crystalline rock formations thrust upwards through sedimentary bedrock). Land adjacent to seismic faults usually contain a great deal of primary water which has accumulated in the highly faulted rock formations.

One only has to observe Owens Lake, in California, to witness the appalling environmental damage perpetrated in order to provide Los Angeles with a municipal water supply. A pall of noxious salt vapor remains suspended over what remains of the former pristine body of water, perhaps a fitting monument to the stupidity and avarice of errant public officials. In its quest to develop the arid western region of China, available potable water has become a limiting factor. It is the fervent hope of the author, that some of the People's Republic of China hierarchy acquaint themselves with the contents of this

book, in order to make the deserts of western China fruitful, without duplicating the follies of their western counterparts.

Very old nursery rhymes often contained coded references to historical events. Thus *Humpty Dumpty* was a rhyme concerning the downfall of King Charles 1st of England. Perhaps the reader has wondered why Jack and Jill went *Up the hill* to fetch a pail of water? After all, wells and rivers customarily are found in valleys, not at the top of a hill. Was Jack a lascivious fellow with a hidden agenda regarding Jill, or did the country folk of that era know something about water technology, which has vanished in the mists of time?

During the era when the nursery rhyme was written, it was customary in western Europe for sheep and goats to receive their drinking water from what was known as a dew pond or air well. Dew ponds consisted of a shallow pond, about three feet in depth and thirty feet or more in diameter. They were dug when the soil was very dry. Nine inches of dry straw was placed over the surface of the excavated area; the straw in turn was covered with three inches of clay. At nighttime, dew condenses on the clay; condensate evaporating from the surface of the clay during the day, cools the clay, whose lower surface is thermally insulated by the straw layer. In practice, the volume of dew collected at night exceeds the volume of condensate evaporated during daylight hours. In this manner, properly constructed dewponds always had available water for livestock, even during the most arid of conditions, provided that the clay membrane was never ruptured. Naturally, the more moisture laden air passing over the surface of the pond in a given time period, results in the greater the amount of condensate collected. Since hilltops are usually windier than valleys, this is the reason that most dew ponds were constructed on hilltops, and is the reason for Jack and Jill going *up* the hill to fetch a pail of water.

Some dewponds are of great antiquity; in his youth, the author lived in southern England. In the neighboring village was a dewpond that had been constructed more than two thousand years ago. The last time that the author visited the site, he found to his horror that a so-called historical preservation society, whose patron is Prince Charles, had completely surrounded the dew pond with a dense planting of fir trees, thus inhibiting the airflow over the pond!

Even as recent as the 1930's, small groups of travelling workmen in Britain used to construct dew ponds at farms where other sources of water were limited.

Some interesting and very efficient dew ponds of various configurations have been implemented over the centuries. Two thousand years ago, the city water supply for the Byzantine city of Theodosia consisted of thirteen piles of limestone rock, approximately forty feet in height. The rock piles were located on a hilltop adjacent to the town. Condensed dew dripped from the rocks into an impervious collector trough, then piped down the hill to the town. This unique system has been estimated to have produced up to fourteen thousand gallons of water daily.

Another variation developed in France during the 1920's consisted of a large domed structure some forty feet in height and constructed from masonry and concrete. The interior of the dome consisted of a network of slate panels, oriented vertically. Warm, moist air flowing into the dome through a series of vents during the day, impinged on the slate panels, which had previously been cooled by the night air. The resultant condensate dripped into a collector trough, and was used for the irrigation of grape vines in arid areas. This type of dew collector, or air well, purportedly functioned very poorly.

An effective air well can be constructed by excavating a wide trench approximately five feet deep. Plastic, or preferably copper pipes, are laid parallel to each other in the trench on a gentle slope. A manifold pipe connects the

pipes at each end of the assembly. An air inlet pipe connects the elevated manifold pipe to a point above ground level, and an outlet pipe allows air to exhaust to the atmosphere from the lower end of the manifold array. A solar powered fan is attached to the top of the exhaust pipe, and a collection tank is attached to the manifold at the lower end of the assembly. The trench is filled in after completion of the installation. The fan draws humid air into the parallel pipes, which are kept cool by the surrounding earth. The resultant condensate flows by gravity into the collection tank, where it can be brought to the surface by means of a hand pump. This type of airwell can be varied in size to provide high quality drinking water for isolated homes. Since the exhaust air is cool and dry, it can be used for cooling the interior of a home. This type of air well is depicted in U.S. Patent 4,351,651.

Drilling large bore wells in solid rock is expensive, although economically viable for municipalities or large farms. For small farms in isolated areas, water for farm animals can be supplied by means of dew ponds, thereby reducing the quantity of well water required for other purposes. This approach permits a hard rock well of the Reiss type to be of a much smaller bore, making it less expensive to drill.

Believing in the maxim that those who control religion, food, energy and gold, also control the global masses, the Illuminati are presently implementing measures to privatize all global water resources. This treasonous trend commenced in 1977 with the convening of the first United Nations World Water Conference in Mar del Plata, Argentina. This was followed in 1996 with the founding of the World Water Council, a private think tank whose commissioners include prominent Illuminists. Closely associated with this organization is Green Cross International, a pseudo environmental group founded by Mikhail Gorbachev, the fellow who faked his own political

overthrow in order to lend credence to Russia's Grand Deception plan.⁵

By making water a privatized commodity under the control of the Illuminati's transnational corporations, water prices can be escalated to the point where it will be economically infeasible for privately owned farms and industries to remain in business, thus allowing the Illuminati cabal to acquire bankrupt real estate for pennies on the dollar.

This evil plan received a setback in 1998, when the corrupt World Bank refused Bolivia a loan unless it sold a municipal water system to the Bechtel Corporation. The transnational behemoth no sooner acquired control of the water utility, which served Bolivia's third largest city, Cochabamba, than it doubled the water price, causing great financial distress to the city's poor. Fortunately, hundreds of thousands of Bolivians, outraged that a foreign corporation could hold them to financial ransom, demonstrated, forcing the Bolivian Government to cancel its water privatization project and banish Bechtel from the country.

Although Planet Earth still valiantly attempts to nurture all life in the biosphere, the incessant follies of humankind that destroy the structure of water— Earth's essential lifeblood, by polluting and constraining its flow through concrete channels, will surely condemn the human race to extinction, unless we begin adopting sane water conservation and distribution technologies. In the next chapter we will see how one amazing person, virtually ignored by mainstream science in his own lifetime, has provided us with the knowledge to accomplish these goals.

Chapter 4

Viktor Schauberger—Nature's Ambassador

The upholder of the cycles which supports the whole of life, is water. In every drop of water dwells a deity, whom we all serve; there also dwells Life, the soul of the first substance—Water—whose boundaries and banks are the capillaries that guide it and in which it circulates. —Viktor Schauberger

In his previous book *"They Cast No Shadows,"* the author suggests that harmony within the universe is maintained by what we perceive as a cosmic canon of mathematical correspondences, originated by a conscious creative intelligence which transcends the universe, and is complete within itself. The author continues: "It is quite probable that this creative intelligence, variously referred to as God, Allah, or Hillary Clinton, according to one's belief structure, administrates by means of a hierarchy of creative agencies immanent within nature, which assist at various transcendental levels at maintaining harmony throughout the cosmos." Such a supreme creative agency probably permits the universe to evolve spiritually by means of informational feedback derived from forces for both good and evil, for it would be difficult for higher life forms to make spiritual growth if not occasionally challenged by evil.

Such a dualistic system may remain neutral and not provide divine intervention, even when spiritually motivated individuals need aid. One only has to consider the devout religious martyrs who, over the centuries, have met horrific deaths rather than recant their spiritual

beliefs. Perhaps this is the reason why, throughout history, the exceptionally gifted individuals whose scientific research has greatly increased our understanding of nature and the cosmos, invariably are either ignored or denigrated by their colleagues, and end their lives alone and poverty stricken. Towering intellects such as astronomer Johannes Kepler, the physicist Max Planck and electrical wizard Nikola Tesla, all suffered such a fate. It was only after their deaths that the scientific community finally acknowledged and comprehended their magnificent contributions to humankind.

Another towering intellect who underwent a similar fate was the self taught environmental scientist Viktor Schauberger. Born in 1885 in Upper Austria, Schauberger's paternal ancestors for several centuries had been foresters. Declining an opportunity to have a university education, on the grounds that it would inhibit his creativity, young Schauberger became a forester instead. The mighty Austrian forests of that era were in a largely pristine state, due to their remoteness, which made them ideal for Schauberger to study unadulterated nature. After being wounded during W.W. I, Schauberger worked as a forester on a large Austrian estate owned by Prince Adolph zu Schaumberg-Lippe.

On a cold winter day, Schauberger disturbed a large trout in a fast flowing mountain stream. The forester was curious as to how the trout was able to remain virtually motionless in the rapidly moving water, save for an occasional flick of its tail in order to remain facing upstream, and why it fled upstream against the strong current, instead of heading downstream to safety. Possessed of a very inquiring mind, Schauberger deduced that the trout, a fish with a low power to weight ratio, was only able to remain motionless despite the strong current, because a layer of vortices formed in the water as it flowed adjacent to the rear half of the fish.

The vortices, rotating about their vertical axes, applied a force opposite to that of the current, thus enabling the trout to remain stationary. Like most of nature's wonders, which we tend to dismiss in a superficial manner, the vortex is of paramount importance to all humanity, for not only is physical matter created from vortices of energy, the vortex is also the bridge between the physical and paranormal worlds. Vortices also generate diamagnetism. Diamagnetic substances such as quartz crystals, orient themselves at right angles to the Earth's geomagnetic field, when suspended horizontally by a thread.

The thought that water temperature may influence the formation of vortices and their inherent diamagnetic charge, prompted Schauberger to have an assistant pour warm water into a mountain stream, some one hundred and fifty meters ahead of a trout. As soon as the warm water enveloped the trout, the fish was unable to maintain its position, and was carried downstream with the current, thus demonstrating that there is an interrelationship between temperature, vortex formation and diamagnetism. By taking careful measurements, the forester found that when water flows at high velocity around egg shaped pebbles, the water temperature diminishes by between 0.1 and 0.4 degrees Centigrade.

Water, and its interrelationship with nature, became Viktor Schauberger's passion, just as Princess Ellen, the young wife of Viktor's employer Prince Adolph, had an equally strong passion for gambling at the Monte Carlo casino. Fearing that his wife's heavy gambling losses were going to bankrupt him, the prince was anxious to sell the beech trees which grew to large size in a tract of virgin forest that comprised part of his estate. Two obstacles prevented the Prince from implementing his plan to sell the timber: the remoteness of the forest proved too costly for transporting the logs to the distant mill by land, moreover green beech logs were heavier

than water, so could not be transported by means of a conventional log flume, or they would sink.

Schauberger had already designed a radically unconventional log flume, but it had been rejected by Prince Adolph's estate administrators, who thought it violated the fundamental tenets of hydraulics. Fortunately for the prince, his wife had heard of Schauburger's unorthodox flume design and persuaded her husband to permit Schauburger to oversee its construction. Unlike the conventional concrete log flumes of the era, which had either rectangular or trapezoidal cross sections, Schauburger's flume was of wooden construction and possessed a cross section in the shape of the large end of a hen's egg. Being aware that rivers never flowed in a straight line, even if the terrain facilitated it, but preferred instead to meander, Schauburger instinctively had his workmen construct the flume with sinuous curves. What the forester probably was unaware of is that water is an absorber of diamagnetic energy, and that a diamagnetic energy current traverses Planet Earth in an east/west direction. Water loses its diamagnetic charge when it gets too warm; rivers fed by mountain springs and fast flowing streams are highly charged with diamagnetism until they descend into low elevation valleys and the water gets progressively warmer. In order to maintain a diamagnetic charge as the river approaches the ocean, the river meanders wildly, especially as it becomes very shallow as it enters the river estuary, in order to collect additional diamagnetism from the east/west diamagnetic flow.

A high diamagnetic charge is crucial to the well-being of a river, for diamagnetism imparts a levitating charge to the water. This in turn ensures that silt is carried downstream instead of being deposited in the form of sandbars, with resultant flooding. Whenever a river is constrained to flow in a straight path by means of

concrete walls, the river loses its diamagnetic charge (its life force) and flooding results during periods of heavy rain, as silt accumulates on the river bed.

By constructing his log flume with sinuous curves, the water was able to maintain a high diamagnetic charge, thus enabling the heavy beech logs to float, even though they were denser than the water. In order to prevent the flume water from becoming too warm, thus losing its diamagnetic charge, cold water from nearby springs was gravity fed into the lower area of the flume as the flume approach the lumber mill downstream, while the warmer surface water was allowed to drain through vents constructed near the upper edges of the flume. Schauburger was aware that water is densest at a temperature of four degrees Centigrade, therefore the nearer to this temperature the flume water was, the higher the logs would float. Schauburger realized that the logs would have to travel in the center portion of the flume, otherwise they would impact the flume walls whenever they traversed the sinuous curves of the flume, which would rapidly wear out the flume walls and might also cause logjams. Thin wood slats attached at an angle to the curved inner walls of the flume in the manner of rifling in a gun barrel, caused the water to rotate in a clockwise direction as it flowed past right hand bends in the flume, and counterclockwise at the left hand bends.

The Prince and his wife attended the testing of the log flume, accompanied by the Forestry Commissioner and several hydraulics experts, who had come to ridicule the unschooled forester, whose log flume violated the fundamentals of accepted hydraulics design principles. Ignoring the skeptics, Schauburger ordered the sluice gate opened so that the first logs could enter the flume. To their chagrin and utter amazement, the beech logs, heavier than water, were transported down the flume with ease, the longitudinal vortices created by the wooden slats causing the logs to remain on the centerline

of the flume. Due to friction, water in contact with the sides of the flume flowed slower than water at the flume's center, causing a longitudinal vortex to form in the water just ahead of the log, thereby sucking the log forwards.

So efficiently did the flume operate, that 1,600 cubic meters of timber were delivered to the mill the first day of operation. The Prince and Princess were delighted, but also were very greedy. Instead of displaying good stewardship of the forest through selective logging practices, the rapacious couple had the entire area clear cut, angering the nature loving Schauberger so much that he tendered his resignation. He subsequently was granted a patent for his log flume and in total constructed seventeen similar log flumes in various central European countries.

Viktor Schauberger's unorthodox theories concerning water and the science of hydraulics attracted the attention of the Austrian government in the late 1920's. The government requested a Professor Philipp Forscheimer to investigate Schauberger's research; initially skeptical that a forester lacking in higher education could present academia with major advances in the field of hydraulics, he later admitted, to his credit, after a detailed study of Schauberger's research, that he himself had been teaching nonsense to his students for forty years! In 1931, a treatise written by the visionary forester entitled "*Turbulence*," was accepted by the Austrian Academy of Sciences. Believing that the treatise was much too radical for acceptance by that generation of hydraulics scientists, the treatise was not made public until 1974.

Schauberger conducted intensive research into the flow of water through pipes made in configurations which induced longitudinal vortices to form in water flowing through them. He discovered that water flowed

through them at a faster velocity than through pipes with a uniform diameter; frictional losses also were greatly reduced. Tired of being ridiculed by academia, who believed that his theories appertaining to hydraulics were absurd, the visionary forester had his tests repeated at the Stuttgart Technical University. The testing was assigned to Professor Franz Popel, who initially declared that the tests would be a waste of time. Amazingly, the disbelieving professor's tests revealed that a zero frictional condition occurred as the water flowed through the pipe, which was designed to induce a longitudinal vortical flow. This test result violated the Second Law of Thermodynamics, which holds that additional energy must be added to a closed system, otherwise energy is dissipated in frictional losses (entropy). The unique design of the pipes tested caused water to pull away from the walls of the pipes, thereby resulting in a frictionless flow condition. Schauberger received two patents for his pipe design, but this technology is not promoted by academic institutions, presumably because the unique pipe configurations violate the Second Law of Thermodynamics.

Conventional iron water mains are subject to corrosion, eventually necessitating their replacement or being fitted with a plastic liner, both remedies being very expensive. Moreover, the corroded interior of such water mains becomes a breeding ground for harmful bacteria, hence the need for the potable water flowing through them to be heavily chlorinated. Chlorinated drinking water is harmful to the human body and has been linked to cardiac problems, as well as to bladder and rectal cancer. Because it is a powerful bactericide, chlorine also destroys beneficial micro-organisms within the human body.

Resolving to remedy the problems associated with iron water mains, Schauberger designed and patented a wooden water main, constructed with wooden staves in

the manner a cooper makes a wooden barrel. The wooden pipes contained a series of silver plated copper vanes, which were designed to induce a longitudinal vortex into the water flowing through the pipes. The resultant vortices forced dissolved oxygen and pathogens to migrate to the inner wall of the pipe, where the anaerobic pathogens, unable to survive in an oxygen rich environment, died. When properly buried in an enclosing bed of sand, wooden water mains will, outlast iron ones; in addition, because silver is a powerful bactericide, the silver plated copper vanes within the pipes also assisted in the destruction of harmful bacteria, thus rendering the use of chlorination unnecessary. Due to the longitudinal vortices induced in the Schauberger water main design, frictional losses are greatly reduced, thus drastically reducing pumping costs.

Adolf Hitler became Reichschancellor of Germany in 1933. Upon hearing of Schauberger's unorthodox theories concerning water and agriculture, Hitler summoned the forester to meet with him. Hitler listened attentively, and the meeting, scheduled to last thirty minutes, lasted three times as long. Also in attendance was Hitler's Privy Councillor, Professor Max Planck. As the meeting concluded, Hitler asked Planck for his views regarding Schauberger's theories, many of which had been proven by this time. Schauberger was astounded to here Planck reply that science has nothing to do with nature! Hitler then foolishly requested that his advisors Wilhelm and Keppler cooperate with Schauberger. Leaving the meeting, the two Nazi advisors displayed their hostility toward Schauberger; realizing that he would never be able to implement his technology if he had to coordinate his efforts with such individuals, Schauberger turned his back on the Nazis and returned to Austria, leaving the two advisors thirsting for revenge.

Revenge for the two Nazi advisors came in 1938, when Germany annexed Austria. Shortly after the Nazi

occupation of Austria, Schauberger was invited to afternoon tea with prominent Austrian socialite Frau Mada Primavesi. Shortly after his arrival, Schauberger informed his hostess that he had to go to a nearby clinic for a routine check on the wounds he had received during WW I, but would return in twenty minutes. When he never returned, a furious Primavesi stormed over to Schauberger's house, demanding why she had been stood up in such a rude manner. Schauberger's wife assured the hostess that her husband would never display such bad manners and hadn't returned home. Due to fortuitous circumstances, Frau Primavesi knew the clinic's director. Demanding to know what had happened to her guest, the clinic's director took her to the psychiatric wing. There, trussed up in a straight jacket on a bed, lay Viktor Schauberger, awaiting a lethal injection, as part of the Nazi eugenics program.¹ Frau Primavesi was able to use her social clout to effect Schauberger's release. Apparently his arrest and intended death had been arranged by his old enemies, the Nazi advisors Wilhelm and Keppler.

Time travel is a popular theme of science fiction novels and movies. Although considered by most to be an impossibility, a powerful German secret organization undertook the development of such a device in 1922. Founded as a secret society by wealthy Germans in the aftermath of WW I, the Vril Society intended to revive the finest aspects of the former esoteric orders of old, for the purpose of becoming a dominant force in global geopolitics (Vril was a Teutonic name for aetheric energy). The development of the mysterious Vril time machine is still shrouded in secrecy; what is known however, is that it was designed by the famous scientist Heinrich Schumann, from psychically perceived information derived by Vril founding member Maria Ortische. Her channelled information purportedly emanated from a planet near the star Aldebaran. The Vril

members were surprised to discover that their time machine, which incorporated a large rotating disc, displayed levitating properties. This momentous discovery prompted the group to develop a levitating flying saucer which incorporated similar time machine technology.

Developed with private funding, the first prototype Vril saucer flew in 15929, flown by Vril founding member Lothar Weitz. Bearing the designation *Rund Flugzeug I*, the basic design was further developed over the next decade, and in 1939, variants were attaining speeds of Mach 2.6—a feat unattainable by conventional aircraft until after the conclusion of WW II.

During the 1930's, the intrepid Viktor Schauberger was also researching anti-gravitic propulsion systems. Schauberger had two model flying saucers constructed to his specifications in Vienna in 1939. Although the two prototypes differed slightly in overall configuration, the propulsion components were essentially similar and consisted of a rotor in the shape of two discs possessing annular corrugations. The discs were mounted on a common shaft, with an air gap between them. The gap progressively narrowed towards the periphery of the craft in a serpentine manner. Key components of the models, which were approximately six feet in diameter, were fabricated from copper, since it is a diamagnetic material. For testing purposes, the first model was attached to the concrete floor of the fabrication shop by means of six high tensile steel bolts. Schauberger left strict instructions that the model not be tested until he was present, however, curiosity got the better of the fabricators, who spun the rotor at high speed by means of an external detachable electric drive motor. The gathered personnel were stunned when the unit began running by itself, powered only by atmospheric air drawn in through vents. Suddenly, the craft tore itself

loose from its attachment bolts and flew into the ceiling with a loud crash!

After the outbreak of WW II, the Vril Society's flying saucer program was continued under the auspices of the E4 Division of the S.S.. A series of flying saucers designated *Haunebu* were constructed on behalf of the E4 Division, culminating with the *Haunebu III*, a large saucer approximately four hundred feet in diameter, capable of carrying thirty two people at a speed of Mach 10. These craft were powered with an electromagnetic free energy system jointly designed by Captain Hans Kohler and the Vril's Dr. Schumann.

Despite his advancing years and his war wounds, Schauberger, over his protests, was drafted into the Waffen S.S. in 1943, at the age of fifty eight. Heinrich Himmler, the dreaded head of the S.S., summoned Viktor Schauberger after hearing about the episode with the model flying saucer. Unlike Hitler, whose focus was upon the development of conventional weaponry, Himmler took an avid interest in flying saucers, possibly to use as a technological bargaining chip with the allies, in the event that Germany lost the war. Himmler gave Schauberger the option of either designing a full sized flying saucer or being hanged for refusing. Schauberger was provided with design facilities at the Mauthausen concentration camp and ordered to select an engineering staff from among qualified camp prisoners. To his great credit, Schauberger insisted that the staff that he selected be given better food and provided with accommodation outside the camp, claiming that the staff could not work effectively or creatively if ill-nourished and stressed. To his relief and surprise, his S.S. superiors agreed to his request, on the understanding that if any of his staff attempted to escape, he himself would be executed. One manned prototype flying saucer designed by Schauberger is known to have flown successfully before the conclusion of the war.

A few days after the prototype Schauberger saucer flew, it was captured by advancing American forces. In the meantime, Schauberger and his team had been transferred to the Austrian city of Leonstein, where he continued working for the S.S. until he was captured and interred for nine months by American occupation forces. Before being released, he was debriefed about his anti-gravitic development activities and ordered to cease further work in that field of technology when he again became a private citizen.² Cessation of hostilities brought American and British intelligence teams to Germany for the purpose of seizing advanced technological hardware and relevant research data. The purpose of this exercise was to prevent such technology from falling into private hands, especially if it could pose a threat to the petroleum cartel. Prominent among these investigators was Laurence Rockefeller. Since that time, the shadowy figure of Rockefeller has loomed behind the UFO community, providing funding to those disinformers who claim that UFO's and mind control implants are solely the work of extraterrestrials.

Released from the internment camp, a virtually penniless Viktor Schauberger attempted to commercialize his vast knowledge of advanced energy technology and horticulture, in order to fulfill his dream of ushering in a golden age in which humankind worked in harmony with planet Earth, not against it. Unfortunately, corrupt European bureaucrats thwarted his business plans, which included methods for drastically increasing crop yields.

A bitterly disappointed and frustrated Schauberger, having abandoned all hope of ever successfully implementing his technology in Europe, gladly accepted an offer of 3.5 million dollars made by an American consortium to go to America and assign his energy technology over to them. Exactly what transpired between the aging inventor and the consortium is not

completely clear. Some writers claim that the consortium had him murdered after acquiring all his knowledge. In contrast, the author suspects that the disharmony which arose between Viktor and the consortium was due to a language barrier, and skepticism as to whether or not Schauberger's use of vortex technology could result in the production of useful energy. To be fair to the consortium, conventional energy technology embraces expansion, as occurs in internal combustion engines, not implosions created by vortices, which formed the basis of Schauberger's energy technology. In addition, Viktor and his son Walter were both afraid that the consortium would steal the inventor's technology.

A German born American named Karl Gersheimer had read about Schauberger's energy technology in 1957. Like Schauberger, Gersheimer was an avid nature lover. Gersheimer was a close friend of Robert Donner, who lived in Colorado and was the wealthy chief executive of the philanthropic Donner Foundation. Donner agreed to fund a development project in which Schauberger was to oversee the design and construction of an energy device which incorporated the Schauberger implosion technology.

In ill health, Schauberger, accompanied by his physicist son Walter and an Austrian physician, flew to America in 1958, then were taken to Sherman, Texas, so that the prototype device could be constructed at the Washington Iron Works, owned by a business associate of Gersheimer. Walter's role as a physicist was to translate his father's unorthodox engineering terms into conventional scientific terminology. It soon became apparent to Gersheimer that Walter had little understanding of his father's technology. The monotonous arid and virtually treeless landscape of that area of Texas, so different from the verdant forests of Viktor Schauberger's Austria, made the seventy three year old inventor very homesick. To make matters

worse, the Schaubergers became alarmed upon learning of Gerscheimer's role as an American counter intelligence operative during W.W. II.

In order to facilitate the transference of technical information, the services of Eric Boerner, a German engineer at the National Atomic Research Laboratories at Brookhaven, New York, were retained. After consulting with Viktor Schauburger, Boerner confirmed that the Austrian inventor's implosion technology was valid.

The deteriorating relationship between the Schaubergers and their American hosts reached a climax however, when instead of attending a crucial meeting in Colorado, as requested, Walter drove to Pike's Peak for the day. A furious Donner decided to terminate the project and return the Schaubergers to Europe. Prior to leaving Texas, an ailing Viktor, suffering from emphysema and a weak heart, signed a contract assigning all the rights to his implosion technology over to the Donner consortium. Five days after returning to his home at Linz, Viktor Schauburger died a broken man. Having endured several bitter disappointments himself, when negotiating for funding to develop free energy devices, the author can empathize with all parties involved in this tragic tale of mistrust and miscommunication. Non technical investors, afraid of a scam, have great difficulty in comprehending how a free energy device can run continuously without consuming any apparent fuel, while inventors are fearful of divulging their proprietary technology, lest their ideas are stolen by unscrupulous financiers or declared classified by a Federal agency.

There is a curious epilogue to this narrative however. As part of Hitler's nuclear weapons development program, a team of German scientists and mining personnel were sent to the Pacific Northwest region of

America during the 1930's. Their goal was to mine uranium ore (pitchblende). Establishing their headquarters in Seattle, the engineering staff hired a few local American machinists and electricians for the purpose of fabricating some of the special purpose equipment required by the Germans.

The author suspects that some of the German scientists attached to the mining group either had knowledge of Viktor Schauburger's vortex technology, or were members of the Vril Society, for among the special purpose equipment manufactured for the project were an anti-gravitic device, a free energy unit, and a unique rock pulverizer.

During the early 1970's, the author encountered one of the American machinists who had worked on the project. He stated that upon realizing that the German scientists had designed very advanced technological hardware, previously thought to exist only in the minds of science fiction writers, the machinist and one of the American hired electricians made sketches of the machined items and electrical circuit diagrams. After the mining team departed for Germany as war clouds began to loom, the machinist and his electrician friend made reproductions of the energy unit and an anti-gravitic tractor beam unit. The machinist showed the author the tractor beam unit in a disassembled state; some of its components consisted of machined tubular capacitors. The machinist stated that he had demonstrated the tractor beam unit to several faculty members from the University of Washington. The author subsequently located a former University of Washington professor who admitted to having observed a working demonstration of the tractor beam unit. The American machinist (who had never heard of Schauburger) also told the author that a free energy device disintegrated during testing at the Washington Iron Works, causing considerable damage.

But there is more to this story however. One of the specially designed rock pulverizers was subsequently acquired by the Anaconda Mining Company. The author procured a copy of a report appertaining to the testing of the pulverizer by Anaconda engineers. The report stated that crushed rock fed into the unit instantly emerged as a 200 mesh powder without the rock ever touching the interior walls of the machine, suggesting that the device incorporated Schauberger's vortex technology. While emphasizing that the machine functioned in an extremely efficient manner, the report also stated that the Anaconda test engineers were unable to explain how the rock almost instantaneously disintegrated into a fine powder without touching any part of the machine's interior! Despite operating so efficiently, the Anaconda Corporation had already contracted to purchase new pulverizing equipment of the conventional type, so the unique test machine was sold to a used equipment company.

What we can conclude from this chapter is that Viktor Schauberger left humanity a wondrous technological legacy, by demonstrating in numerous practical ways, how the science of the vortex functions in nature, thus providing us with ways to enable rivers to become self cleaning without the need for chemicals, greatly increased agricultural productivity, and a novel way to obtain non-polluting free energy.

After his death, many of Viktor Schauberger's published technological papers and patents became difficult to locate. Fortunately, Swedish researcher Olaf Alexandersson published an overview of Viktor Schauberger's technology in 1977. This was followed by an English translation called *Living Water*, in 1982.³ Callum Coates, an English architect domiciled in Queensland, Australia, met Victor Schauberger's son Walter in 1977. Coates became so enamored with Schauberger's brilliant discoveries that he abandoned his

chosen profession and instead, devoted the next fifteen years of his life to the study of Viktor Schauberger's research. This culminated in Coates' seminal work on the life and research of Schauberger entitled *Living Energies*. Superbly written and lavishly illustrated with photos and technical diagrams, the book should be a mandatory primer in all high school and university science and biology classes. In writing this wonderful book, Mr. Coates has done all of humanity a sterling service. Readers (hopefully all of you) who wish to assist in making planet Earth a veritable paradise, are encouraged to read *Living Energies*, in order to attain a better understanding of Schauberger's incredible body of research.

Chapter 5 Putting Schauberger's

Technology to Work

It cannot and should not be the task of the river engineer to correct Nature by violating her. Rather, in all watercourses requiring regulation his job should be to investigate Nature's processes as far as this is possible, and to emulate the examples that Nature provides in the way of healthy streams.

—Viktor Schauberger

As was stated in a previous chapter, water is the life blood of planet Earth. When humans pollute their blood with toxic chemical substances, they become sick; in a similar manner, Earth and its incredible biosphere is rapidly becoming very sick as a direct result of humanity's folly. The ecological devastation generated by transnational corporations in their frenzied attempt to control all sectors of the global economy, is self evident. Moreover, transnational captains of industry clearly are either ignorant or indifferent to the fact that all life within the biosphere is interdependent.

Professional environmentalists, all too often more concerned with power politics than attempting to really understand Nature, cite chemical pollution as the reason that so many rivers and streams are dying. Had they devoted some time to studying the research of Viktor Schauberger, instead of attempting on behalf of the Illuminati to deindustrialize the world, they would discover that many of our rivers would still be dying even if never sullied by toxic industrial wastes. This is because of the havoc wrought to rivers and streams by hydrologists and river engineers, who are invariably ignorant of the intrinsic role that temperature plays in

determining the physical characteristics of rivers and streams.

Conventional river management practices revolve around controlling the water flow by replacing natural riverbanks with artificially constructed concrete waterways, invariably as straight as humanly possible, which is anathema to Mother Nature. As Viktor Schauberger succinctly stated: "The more the engineer endeavors to channel water, of whose spirit and nature he is today still ignorant, by the shortest and straightest route to the sea, the more the flow of water weighs into the bends, the longer its path and the worse the water will become."¹ In this chapter we will study the tremendous effect even minute changes in temperature has on the health of a river, and whether or not it will flood.

Water is most dense at a temperature of four degrees Centigrade (thirty nine point two degrees Fahrenheit). Being the densest at this particular temperature means that this is the temperature at which the water will support and transport the heaviest particles of silt and fine gravel, without it settling and forming sand bars on the river bed. It is the creation of sand bars that causes a river to flood during periods of rainy weather. As river water warms, it loses its ability to transport silt all the way to the ocean. Sandy beaches are largely composed of sand that has been transported to the ocean by healthy rivers that still possess the power to transport silt and fine gravel without it settling en route. When river water becomes too warm to transport silt, beaches near the river estuary gradually lose their sand to the ocean, sand bars then form on the river bed restricting the flow, and harmful bacteria begin to proliferate in the river water.

As part of our blueprint for a better world, it is imperative that the proven river management technology of Viktor Schauberger be implemented as quickly as

possible, in order to save the world's dying rivers and restore the fecundity of the river ecosystems. To accomplish these goals, the temperature of the river water must be kept as close to four degrees Centigrade as possible and where necessary, devices must be implanted on the river bed which impart bioenergy to the water.

Schauberger stressed that river banks must never be denuded of vegetation, or sunlight will warm the river water excessively. He recommended that tall trees be planted for a width of at least five hundred meters on both river banks. Water transpired from the leaves of trees growing along the river banks, cools the tree sap. The sap in the tree roots which grow under the river bed thereby serves to cool the river bed itself.

In situations where it was not possible to plant trees at bends in a river, the visionary nature lover advocated the placement of a series of triangularly shaped concrete vanes in the river bed next to the river bank. Such a vane configuration generates a longitudinal vortex in the water. The centripetal motion induced by such a vortex cools and energizes the water, thus making it denser and restoring its ability to transport sediment downstream. Another type of "energy body," as Schauberger termed devices which caused longitudinal vortices to form in flowing water, consisted of egg-shaped hollow units which were suspended beneath the river's surface by means of a long tether. Small holes were drilled in the fore and aft ends of the unit so that it maintained a neutral buoyancy, thus enabling it to remain in a horizontal position. This particular configuration caused a longitudinal vortex to form behind the device. Schauberger placed some of his "energy bodies" in a stream which had become badly choked by silt, as a result of incorrect modifications wrought by river management engineers. By the next day, all of the silt had been carried away by the newly energized water,

thus restoring the natural water flow, much to the amazement of the river management staff.

Provided that a river bed is left in its natural state, and no attempt is made to straighten its course by constraining the water within concrete walls, the river will tend to meander in wide sinuous curves as it wends its way to the ocean. To the casual observer sitting on the bank of a natural river, which has not been subjected to the ravages of "river management," very little is happening beneath the surface of the pristine water. In actuality however, some remarkable events are in progress. As the water flows past a left hand curve, a counter clockwise longitudinal vortex forms in the water adjacent to the outer bank and collects a negative bioenergetic charge. Simultaneously, the vortex winds itself up, generating a centripetal force which progressively grinds entrained coarse rock particles into fine sediment and colloids, thereby releasing trace elements into the river water which nourish aquatic plant life. In addition, some of the colloidal minerals percolate through the river bed and permeate the groundwater, where they are absorbed into the roots of vegetation growing in the surrounding countryside.

After emerging from the left handed curve, the water reaches a point in its journey downstream where it commences to form a clockwise longitudinal vortex as it approaches a right hand curve. At the point where a transition from a counter clockwise to a clockwise vortex occurs, energy in the form described by Dr. Wilhelm Reich as orgone energy, is released into the atmosphere, enhancing the well-being of all life forms in the vicinity. As the reader will readily note, this is a classic illustration of the interdependence of all life in the biosphere.

The rotation of planet Earth has a pronounced effect on rivers and streams. Water in rivers flowing in the

same direction as the Earth's rotation flows faster than in a river whose direction is counter to the Earth's rotation, assuming both rivers are identical in grade and river bed composition. Because water flowing in the same direction as the Earth's rotation has an accelerated velocity, the water receives less exposure to the sun, resulting in cooler and denser water, thereby allowing it to transport sediment and nutrients effectively. The banks of such rivers consequently are quite fertile. On the other hand, rivers flowing in a direction counter to the Earth's rotation, have their flow rate impeded, thus increasing the time that water is exposed to the sun. The warmer water loses its ability to transport nutrients necessary to sustain the fertility of the river banks, which can become denuded of vegetation. Rivers and streams flowing counter to the Earth's rotation, accordingly benefit from the installation of Schauberger type devices which generate longitudinal vortices, in order to energize and cool the water.

Dams are horrendously expensive to build, destroying the surrounding countryside in the process, and create vast accumulations of silt upstream. One only has to consider the wanton desecration of nature currently being created by the on-going construction of China's Three Gorges Dam, which will inundate many towns and villages upstream, when completed.

Viktor Schauberger fought a long, but unsuccessful battle to persuade water management commissions to clean up the Danube and the Rhine. The River Rhine is a classic example of how a once pristine meandering waterway has been turned into what is, for all practical purposes, a canal filled with dead, murky water infested with dangerous pathogens. The death of the Rhine began with deforestation of the trees along its river banks, thereby causing the river water to become warm and lose its ability to transport sediments and nutrients. Flooding was the inevitable result as the warm water, becoming

less dense, was unable to transport sediment and fine gravel which formed sandbars instead, blocking the flow.

This sacrilegious violation of Nature was compounded when the river's meandering curves, so vital for the formation of longitudinal vortices, were eliminated. They were replaced by a canal possessing as few curves as possible, replete with a constant truncated cross section. Such a ridiculous configuration prevented the water from forming its life sustaining longitudinal vortices which, in conjunction with a lack of shade providing vegetation along the canal banks, caused the water to become uniformly warm. Deprived of its ability to form longitudinal vortices, the water became de-energized, losing most of its oxygen content in the process, thus permitting the growth of harmful anaerobic bacteria. It should be noted that in addition to energizing and cooling water, longitudinal vortices also provide a braking effect on the surrounding water, which regulates the flow of the river during heavy rains. This useful characteristic prevents excessively fast currents which could destroy river banks. In consequence of the ignorance of Nature and mechanistic thinking of river engineers, the Rhine, once one of Nature's magnificent creations, has been destroyed. Hopefully, some future generation of river management officials will become more attuned to Nature than the present one is, and restore the Rhine, and similar blighted rivers to their once pristine condition.

Without a doubt, the most environmentally damaging creation of river management engineers, is the dam constructed for the generation of hydro electric power. By interrupting the flow of a river, the water loses its ability to transport silt and nutrients downstream. The enormous reservoir known as Lake Meade, created by the construction of the gigantic Hoover Dam, accumulates 137,000 acre feet of silt annually, which is

why dams have a relatively short life, unless very extensive and costly dredging operations are constantly performed. The very large surface area of Lake Meade also facilitates the loss of 893 million gallons of water daily through evaporation. Dams also disrupt the natural temperature gradient of river water. Water exiting a dam through the lower sluice gates is very cold, due to the extreme depth of the water. Emerging at very high pressure, the cold, dense water scours the nearby river bed, carrying heavy gravel downstream where it forms sandbars. Most of the water trapped behind the dam however, has to pass through the hydroelectric turbines before it flows downstream once more. Smashing into the turbine blades under high pressure and velocity, the molecular water clusters are torn apart and the dissolved oxygen centrifuged from them. What exits the turbines is not only a water totally devoid of life energy, but a water now devoid of dissolved oxygen, which has been known to create massive fish kills downstream of a dam.

Viktor Schaubberger designed a dam which incorporated sluice gates located at various elevations in the dam. These were actuated by a floating caisson, which automatically regulated the flow through the sluice gates, in order to permit the water to exit the dam at a uniform temperature. As the water emerged, it flowed over a raised lip at the foot of the dam, which imparted a longitudinal vortex into the water, thus energizing it. Fourteen Schaubberger designed dams were successfully constructed.

Prior to the time that Schaubberger developed his free energy technology, he needed electrical power for his cabin high in the Austrian mountains. Damming up a stream, he was reluctant to install a conventional centrifugal turbine, which he knew would harm the water flowing through it, so he developed one of his own design. Water entered the turbine via a conical nozzle which had a rifled interior. Water flowing at high

velocity through the nozzle was centripetally formed into a longitudinal vortex and densified as it cooled. The emerging water, tightly wound like a helix, impinged on a rotatable spiral cone, whose shaft was connected to a conventional electrical generator. To his delight Schauberger found that the turbine only required ten percent of the volume of water that a conventional turbine would require in order to produce equivalent power.³

At the present time, the largest hydroelectric project in the history of the world is under construction in China. It entails the building of an immense dam in the very scenic Three Gorges section of the mighty Yangtze river. Upon its completion, the dam will create a reservoir behind it 375 miles in length with a depth of 575 feet. The unofficial cost of what is the largest construction project in recorded history, is estimated to be seventy three billion US dollars. When completed, the dam's twenty six massive turbines, each costing the equivalent of a Boeing 737 airliner, will generate a total of 18.2 gigawatts of power.

The stated objectives of this colossal engineering project are the generation of much needed electrical power to meet the energy requirements of a rapidly expanding industrial sector, flood control, and improved navigation capacity, in order to permit ships of up to 10,000 tons to operate the stretch of the Yangtze between the cities of Yichang and Chongqing. The author suspects however, that the real primary reason for initiating the project is for the ruling hierarchy of the Peoples Republic of China to illustrate to the world that China has become a superpower, which explains why the Chinese authorities have stifled any criticism of the vast project by members of the Chinese masses. Already mired by bureaucratic corruption and sub standard workmanship, the project is fraught with major environmental, social and cultural problems, which will

escalate following completion of the dam in 2009, possibly becoming a total fiasco, with massive loss of face for China's political leaders.

Tragically, had the Chinese government been cognizant of the advanced technology presented in this book, China could have all the necessary pollution free electrical power without construction of the dam, or the relocation of more than one million people. Compounding a disastrous situation of nightmare proportions, the Chinese government plans to construct two more dams upstream of the Three Gorges Dam, in order to reduce major silting problems anticipated to arise after completion of the project. The massive reservoir which will form behind the dam, will submerge thirteen cities, one hundred and forty towns, one thousand three hundred and fifty two villages, six hundred and fifty seven factories and nearly seventy five thousand acres of farmland. At least 1.2 million people will have to be relocated and many historic sites and monuments will be submerged by the rising waters.

In order to comprehend the sheer enormity, not only of the dam project itself, but also of the horrendous damage to the surrounding ecostructure, it behooves us to take an imaginary journey down the Yangtze river.

The appropriately named Yangtze, meaning "long river" in Chinese, is 3,915 miles in length, making it the world's third longest river after the Amazon and Nile. It originates in the lofty Tangula Mountains of the Tibetan plateau, a region so remote that the source of the Yangtze was only discovered in 1970. This initial stretch of the river is known as Jinshaiyang (River of Golden Sands) and passes through the Leaping Tiger Gorge, which is 3,900 meters deep, making it one of the deepest gorges in the world. The rapid drop in elevation during the first stretch of the water's inordinately long trek to the ocean creates many rapids and treacherous currents,

resulting in the deaths of numerous intrepid river rafters. Emerging from the Leaping Tiger Gorge, the river is fed by a multiplicity of mountain streams as it flows through steep and picturesque, but almost uninhabitable, valleys.

Much calmer now, the river enters Sichuan province near the city of Yibin. Here it is joined by the Min river, which in a previous era was believed to be the source of the Yangtze. Flowing past the verdant hills of Sichuan, with its terraced fields and rice paddies rising from the river banks, the river becomes much wider and navigable by ships, changing its name to Changjian. Further downstream at Chongjian (formerly Chungking) it is joined by the Jialing river before passing the town of Fengjie, which is the gateway to the very scenic Three Gorges area, some one hundred and twenty five miles in length, where the B'a people used to suspend caskets from the trees. Entering the first gorge (Qutang) the river narrows to a width of only three hundred feet before entering the second gorge, Wuxin. It is at the third gorge (Xiling) that the monstrous dam is being constructed, the river being diverted into a bypass channel.

South of the Three Gorges is the very large Lake Dongting and an enormous stretch of marsh. The two together formed a natural flood control system until land reclamation made considerable inroads into the marsh. Exiting the marshy region, the river current becomes much slower as the river wends its way through five provinces, which comprise a vast floodplain and a quarter of China's arable farmland. This is the heartland of China, producing a third of its food, and is known as the land of fish and rice. Almost a mile in width by now, the mighty river flows past the industrial city of Wuhan, where dikes protect the city from floods. It is here that the flood prone Han river joins the Yangtze. After traversing Boyang lake, the river flows through one of the poorest areas of China prior to arriving at the major city of Nanjing, where the river begins to become

influenced by oceanic tides as it enters its gigantic delta region, with its myriad of irrigation canals, before terminating its remarkable journey by merging with the ocean near the busy port of Shanghai.

During the summer, hot humid winds arriving from the South China Sea bring major monsoon rains to the lush green hills of Sichuan province, turning many of the Yangtze's more than seven hundred tributaries into raging torrents, which in turn transport 514 million tons of silt into the Yangtze, which then becomes an uncontrollable monster. Over the past twenty one centuries, more than sixteen hundred major floods have been recorded in the Yangtze river basin, presently populated by some three hundred and fifty million people. Some of the severest floods have resulted in the drowning deaths of hundreds of thousands of souls. In consequence, control of floodwaters is ingrained into the psyche of the Chinese peoples. This is evidenced by the numerous lamaseries of the Tibetan and Naxi clans in the headwaters region of the Yangtze, and the many Buddhist pagodas and statues along the river banks further downstream, as the river traverses the Three Gorges area, all for the purpose of appeasing the various river spirits.

Throughout history, long, navigable rivers enabled centralized bureaucracies to expand territorially, as was the case in Egypt and Mesopotamia. China was no exception, where for millennia, Chinese emperors were aware that flood control measures implemented on navigable rivers were crucial to the longevity of dynastic rule. In its desire to achieve more effective control over its expanding empire, the Sui-Tang dynasty (589-960 A.D.) undertook the construction of the Grand Canal, the northern branch terminating near Beijing, while the southern branch connected with the Yangtze. The canal's course later was modified during the Yuan Dynasty (1279-1367 A.D.) after its Mongol rulers

established Beijing as their capital city, so that they could be nearer to their native Steppe homeland. This massive canal digging project, requiring the construction of numerous locks in order to facilitate the passage of boats over the high country of the Shandong peninsula, purportedly utilized more than two million conscripted laborers. Almost a half million tons of grain grown in the Yangtze river valleys was shipped via the Grand Canal to Beijing annually. In this manner, the Grand Canal became the socio-economic element unifying northern and southern China into an integrated entity.

In keeping with the Three Gorges Dam project, the Grand Canal was afflicted with a silting problem caused by its intersection with the Yellow River. This major river, 3,100 miles long, is inundated with more silt than even the Yangtze. Lacking adequate carrying power, the water deposits its heavy load of silt on the river bed. Over the centuries, this repeated deposition of silt has elevated the river and its banks above the level of the surrounding countryside, resulting in massive flooding during the monsoon season. Unconversant with the flood control technology of Viktor Schauberg, the Chinese attempted to tame the Yellow River flooding by building numerous dikes, which only exacerbated the silting and flooding situation. Aerial photographs of the Grand Canal reveal very long distances between curves, thus causing the water to become heated due to a lack of longitudinal vortices, and consequently losing its ability to transport silt effectively.

The first person to propose the construction of a dam on the Yangtze as a flood control measure, was the forerunner of Chinese democratic nationalism Dr. Sun Yat Sen. Commencing his adult life as a Red Pole—an enforcer for the Triad Society, also known as "The Society of Heaven and Earth," the organization was a feudalistic religious cult which had been made an asset of the British East India Company by the Jesuits, in

order to assist in the opium trade. Still a young man, the visionary Sun Yat Sen emigrated to America, where he became a major aircraft pioneer and formed his own successful aircraft manufacturing company, prior to returning to China and entering the political arena. Fortunately, his dam construction proposal fell on deaf ears.

As stated previously in this chapter, the Three Gorges Project is beset with horrendous environmental and socio-economic problems. In an effort to keep as much of the project as possible in the communist sector, design of the dam was delegated to a Russian civil engineering team, despite the fact that Russian designed dams are notorious for collapsing. Does this imply that there is a possibility that the completed Three Gorges Dam might conceivably fail? The answer is most definitely yes, for the dam is being constructed in a seismically active area. Moreover, the granite bedrock on which it sits is heavily faulted, according to geologists. In addition, it has been estimated by seismologists that the sheer weight of the thirty nine billion gallons of water that will fill the immense reservoir behind the dam will initiate earthquakes. Such earthquakes, if they occur, will probably create major landslides on the precipitous cliffs of the Xiling Gorge, the site of the dam. The catastrophic 1964 Alaskan quake triggered a landslide on the very lofty bank of a remote Alaskan lake. The resultant massive tidal swept away trees 1,700 feet up the opposite bank. Due to shoddy workmanship, cracks measuring more than two meters in length have already been discovered in the dam. A tidal wave impacting the upper area of the dam as a result of a landslide, could conceivably breach the dam, drowning the millions of people who live in the delta region of the Yangtze.

Not far downstream from the dam are sandy stretches where the rare Baiji white dolphins spawn. At the present time, their total population has dwindled to less

than one hundred. The sluice gates on the dam are situated very low on the dam wall, which means that the effluent water will be extremely cold and dense. This is expected to shift the sandy areas far downstream, forcing the dolphins to spawn in an area where there is far greater boat traffic, resulting in possible injury to these unique creatures from boat propellers.

The Yangtze river yields half of all the fresh water fish caught in China. Many of these fish are raised in fisheries downstream of the dam and depend upon the nutrients brought down from the upper reaches of the river during the flood season. The dam will trap the floodwaters in the reservoir, thus depriving the fish downstream of the dam of their vital nutrients. Some of the Yangtze fish species only thrive in flowing water and accordingly will be affected by the reservoir, in which the water will be virtually static.

The Yangtze presently deposits a quarter of a billion tons of silt in the lower reaches of its estuary, thus extending the coastline by some fifty meters annually. When completed, the dam will trap seventy percent of the Yangtze's silt; without the silt, the cleaner water downstream of the dam is expected to erode the coastline, instead of building it. In 1984, seven hundred scientists participated in a study overseen by the Chinese Academy of Science, in order to determine the ecological impact of the Three Gorges Dam. They concluded that the changes and damage that the dam will impose on the ecosystem of the Yangtze river basin outweigh the positive benefits.

The above brief overview of the Three Gorges Dam project does not do justice to the magnitude of the rape inflicted upon planet Earth, through the undertaking of this catastrophic bureaucratic folly, but hopefully will instill in the reader the need for implementation of advanced technology which will work harmoniously

with nature, not against it. Since the dam undoubtedly will be completed, the author would like to present in this chapter, suggestions to resolve the silt accumulation and other problems associated with the dam, without further fragmenting the course of the river by constructing the proposed additional dams upstream.

At the present time, as the dam project enters its final construction phase, methods to prevent a tidal wave arising from a landslide, causing damage or even collapsing the dam, do not appear to be scheduled for incorporation into the project. What is required in order to prevent such a catastrophe is a system which would absorb most of the tidal wave's energy as it encountered the dam. A relatively inexpensive method to accomplish this is known as a SALi system. It consists of styrofoam or elastomeric spheres encapsulated within a matrix of grease. The assembly is contained within a large elastomeric bag shaped like a cube. Several rows of the cubes anchored near the top of the dam would deform, absorbing the kinetic energy of the tidal wave as it impacted the dam.

Our imaginary trip down the entire prodigious length of the Yangtze river revealed that the ecosystem of the Yangtze river basin itself is in a state of stress; in other words, it is not in a harmonious relationship with nature. A river basin is only as healthy as its river, and vice versa. Much of the blame can be attributed to inappropriate activities of humans over the span of several millennia, e.g. deforestation, land reclamation of marshes and by attempting to confine the river within dikes, not to mention the appalling industrial pollution of the Yangtze in the present era. Since the Three Gorges Dam is here for the foreseeable future, unless it collapses due to shoddy workmanship, what is required is a harmonious integration of such diverse elements as the dam, the river and the watershed areas, so that a *self regulating* ecosystem is achieved, in which ample

nutrients for the sustenance of marine life and vegetation are transported downstream, without the creation of damaging floods or excessive silting, yet at the same time, still permitting the generation of eighteen gigawatts of electrical power.

As we have observed, flooding and excessive silting are major problems in the Yangtze river basin. The disastrous Yangtze floods of 1998, in which several million homes were swept away, prompted the Chinese government to ban all logging in the Yangtze river basin, after a study determined that trees in the Yangtze watershed were calculated to be worth at least three times as much for their water regulation functions as for their timber value.⁴ Since much of the flooding is due to the excessive run-off caused by the monsoonal rains which fall in the hills of Sichuan province during the summer months, much of the precipitation has to be prevented from percolating into the rivers and streams which feed into the Yangtze.

There are two ways in which this can be achieved. Firstly, a healthy soil mantle (consisting of soil particles, humus, tree feeder roots and fungi) has a pronounced capability for capturing and retaining rainwater. This is water which is retained in the soil mantle until ingested into vegetation, and does not percolate into rivers and streams. This storage capacity can range from one to more than eleven inches of precipitation per twelve inches of soil mantle, which soaks up water like a sponge. In mature forests which are left undisturbed, the humus layer above the soil can attain a depth of more than twenty inches. It is only the interstitial water, i.e. the water collecting in the cavities between soil particles, that is free to eventually slowly migrate into streams and rivers. During heavy rain storms in areas where there is little or no vegetation, as much as a thousand tons of soil per hectare can be eroded. Judging from the massive amount of run-off in the Yangtze river basin, much of

the soil mantle needs to be drastically increased in depth; a method for achieving this is detailed in this chapter.

A second way to reduce run-off is to plant a species of tree in the river basin which possesses a very large leaf area, so that a considerable proportion of the rain contacting the leaves is both evaporated and transpired back into the air, thus forming new clouds, which are carried further inland and away from the watershed area by the prevailing wind.

There is a tree which fulfills both functions: it is the Paulownia, of which there are twenty varieties. It is the world's fastest growing hardwood tree, the decorative varieties attaining a maximum height of thirty five feet in only three years, while the timber variety attains a height of seventy feet in about six years. Almost unknown in the western world, the Paulownia is characterized by its magnificent blue, white or lilac colored blossoms, and by its enormous leaves which can reach three feet in width. Since the tree is indigenous to China, it is ideal for planting along the river banks and hillsides of the Yangtze basin. The Paulownia's multiple tap roots can reach a depth of twenty feet, enabling it to collect badly needed minerals. Being deciduous, a mature tree will shed approximately eighty five pounds of its mineral rich leaves in the fall. In addition to rapidly increasing the soil mantle, the leaves are twenty percent protein, making them an excellent animal fodder.

Raindrops falling on a tree initiates a quite complex sequence of events. During periods of heavy rain, the upper leaves of the tree's leaf canopy break up the raindrops into small droplets, most of which disperse to form a fine mist which forms a thin film of water on the surface of individual leaves, which absorb some of it. In a monsoon, about fifteen percent of the rain is evaporated back into the atmosphere, while the remainder transforms into a nutrient broth consisting of

leaf exudates, leaf cells, dust and various mineral salts, and falls to the ground, where it is absorbed into the soil mantle and leaches humic acid from the humus. Much of the nutrient broth is absorbed by the tree roots, and transported into the leaves, where much of the water is dissociated into hydrogen and oxygen by means of photosynthesis, in order to create carbohydrates.

As was stated in Chapter 3, water used by the tree in the process of photosynthesis cannot be returned to the biosphere since it is no longer water. Thus the forestation of the Yangtze river valley by Paulownia trees (interspersed with coniferous trees of several different varieties indigenous to the area, e.g. Korean pine and larch, in order to avoid the harmful effects of monoculture) will consume a very large volume of non recoverable water which will never be able to percolate into the river. Water not used during photosynthesis is transpired back into the atmosphere. The total amount of rainfall recycled back into the atmosphere by means of evaporation and transpiration, to form secondary clouds, is approximately seventy four percent.

If the tall timber variety of Paulownia trees were to be planted along the Yangtze river basin, the strong monsoon winds would deflect about sixty percent of the moisture laden air upwards to a height of 1,400 feet. Simultaneously, horizontal longitudinal vortices would form above the tree tops, each vortex repeating itself more than fifty times. This phenomenon, known as Ekman Spirals, which only occurs at the edge of a planting of tall trees, would carry the aforementioned secondary rain clouds as they formed, away from the Yangtze watershed, thus permitting the rain to be precipitated in valleys which are not part of the Yangtze river basin.

It should be noted that a tree is approximately ninety percent water. Therefore, if such a forestation were to be

implemented, the trees and the soil mantle would comprise in effect, a giant water storage reservoir. In addition, the large foliage area of a mature Paulownia tree would enable it to transpire about one thousand gallons of water back into the atmosphere each day during the monsoon season. The planting of some ten million Paulownia trees along the Yangtze watershed would accordingly remove some ten billion gallons of water per day from the entire river basin—not an inconsiderable amount, which would greatly reduce the flood problem by retarding and reducing the run-off. The rapid increase in soil mantle thickness, as the nutrient rich Paulownia leaves decomposed, would greatly increase the amounts of nutrients percolating into the Yangtze tributaries, thus supporting a larger fish population. An added benefit is that honey bees are preferentially attracted to Paulownia blossoms, to the extent that almost all the Chinese honey production is produced from the nectar of the Paulownia blossoms. The scenic Three Gorges area is expected to suffer a loss of tourism due to the dam; however, the magnificent sight of some three thousand miles of Paulownia trees in full bloom (the bloom lasts more than six weeks) would undoubtedly recoup some of the lost tourist trade. To its credit, the Chinese government has commenced a major afforestation program in the Yangtze watershed in order to minimize soil erosion (but not using the fast growing Paulownia trees unfortunately).

Paradoxically, although the Yangtze floods have brought massive death and destruction since time immemorial, the floods also have saved many lives by cleansing the river of deadly pathogens. For millennia, the Yangtze has been a dumping ground for raw sewage. Even today, sixty eight percent of its industrial wastes and all of its raw sewage, are discharged into the Yangtze by the major city of Chongqing. Incredibly, funding for pollution control was omitted from the Three

Gorges Dam budget. Whenever the river floods, this toxic effluent is flushed out of the river and into the ocean. From now on, construction of the dam and the creation of the gigantic reservoir behind it will trap all the toxic wastes and raw sewage discharged into the river from upstream, which eventually will cause the reservoir to become the world's largest cess pool, awarding China with the dubious honor of becoming number one in a number two business.

Several of the existing Chinese reservoirs are already more than fifty percent filled with silt. The reservoir behind the Three Gorges Dam also is expected to have a major silting problem, according to major hydrologists. The United States Bureau of Reclamation, an agency which designs and builds dams, was awarded a contract to provide consultation for the Three Gorges project. The agency sent sedimentation expert John Kennedy to the Three Gorges area in 1986, to conduct a feasibility study of the dam project. Kennedy's report, copies of which were sent to both the United States and Chinese governments, expressed many concerns about sedimentation, geology, flood control, hydraulic engineering and environmental issues. The bureau canceled its Three Gorges contract in 1992, stating: "It is now generally known that large-scale, water retention dam projects are not environmentally or economically feasible."⁵ Because of the report, the World Bank, previously a funder of major dam projects, refused to provide funding for the Three Gorges Dam Project. Incredibly, despite the findings of the Kennedy study, Canadian Prime Minister Jean Chretien irresponsibly announced his intention of using Canadian taxpayers money to support the Three Gorges Dam Project, also urging Canadian utilities companies to bid on Three Gorges Dam contracts. In his previous book, the author was critical of Maurice Strong for his involvement appertaining to the creation of a global religion on behalf

of the Illuminati. To give credit where credit is due however, Strong, when he was Chairman of Ontario Hydro, announced that his utility company would get involved in the Three Gorges Dam Project "over my dead body."

Installation, in the tributaries and upper reaches of the Yangtze river above the dam, of Schauburger type devices which induce longitudinal vortices, would not only enhance the sediment carrying power of the water, but would also retard the flow velocity during the flood season. Although major forestation of the Yangtze watershed would greatly reduce not only soil erosion and the size of the reservoir behind the dam, silt would still accumulate excessively in the reservoir. The obvious remedy would be to greatly increase the volume of water discharged from the dam.

This could be accomplished without a reduction in electrical generating capacity by installing Schauburger centripetal water turbines, instead of the planned conventional centrifugal type. Since the Schauburger turbine develops the same power output as a conventional type, using only one tenth of the water, it follows that installation of the Schauburger turbines would permit ninety times as much water to flow through the dam. This technological approach would not only permit toxic waste to discharge into the ocean instead of accumulating in the reservoir, it also would minimize the reservoir size and prevent upstream water from stagnating, thus reducing harm to fish species in the reservoir, which are accustomed to flowing water. The copious water flow through the dam would allow sediment to still be transported downstream, thus minimizing sedimentary accumulation behind the dam and also preventing coastal erosion. It would also negate the concern of some climatologists that the reduction of flow downstream of the dam would change the salinity in the Sea of Japan, thereby altering the climate. A major

benefit to all life forms in the river basin downstream of the dam, if Schauburger turbines were installed, would be that water exiting the centripetal turbines would be restructured and charged with bioenergy (chi).

As a former research director, the author is well aware that modern technology is not necessarily better than older forms just because it's newer. Farmers who eagerly sowed genetically modified corn, for instance, because they believed the hype that it resulted in greater crop yields, have learned to their detriment that not only are yields lower than with older varieties, but in addition, pigs become sterile when it is included in their diet. Many varieties of hybrid fruit and vegetable seed are sold by transnational corporations which also manufacture pesticides and artificial fertilizers. Not surprising perhaps, many of these hybrid seed varieties require much more fertilizer than older varieties. Despite the nation's enormous size, on a per capita basis, China has a very small area of cultivated land, grassland and forest when compared with most nations. It accordingly is advantageous for China to adopt the most efficient methods of food production. It so happens that one of the efficient and productive methods of raising food is of great antiquity. It originated in Mexico more than two thousand years ago and was known as the chinampa system of polyculture.

Capable of producing up to seven different crops per year as well as fish, chinampas consisted of irrigated shallow parallel channels, in which fish were raised. The channels were usually two to six feet deep and separated by raised, mounded strips of land. The ratio of land width to channel width varied from 1:1 to 3:1. This high productivity system would lend itself very favorably to the lower and middle reaches of the Yangtze, forming in effect a regulated swamp.

A major feature of the ancient Mexican chinampas is that they stayed fertile for centuries without having to remain fallow periodically. Fruit trees, grain and vegetables can be grown successfully by this method, while the channels are excellent for the raising of herbivorous aquatics such as tilapia, eels and fresh water crustaceans, the yield being far greater than can be obtained from deep ponds, because of the ready availability of food. In order to keep the water reasonably cool in the sub tropical reaches of the river, vine crops can be grown on trellises erected over the tops of the channels, where overly ripe fruit would drop into the channels for consumption by fish. Interestingly, although chinampas were used in the low lying Mexico Valley region, they were also used extensively high in the Andes around the shores of Lake Titicaca, where the channel water kept the crops frost free on frigid nights. Due to the abundance of streams feeding the Yangtze river basin, chinampa polyculture would also lend itself to slopes and terraces all along the river.

China's political leaders undoubtedly embarked on the ill fated Three Gorges Dam Project for the good of the nation's populace, but appear to have been misled by predominantly foreign advisors. What this chapter hopefully illustrates is that little known yet highly efficient technology ignored by academia, could have accomplished the stated goals of electrical power generation, together with flood and siltation control on the Yangtze river, at a small fraction of the cost of the new dam. One can only hope that some members of China's ruling bloodline families will read this book and commit some of its offered technologies to practical use, not only for the benefit of the Chinese populace, but also to blaze a technological trail that other enlightened nations might follow.



Figure 1. Plants Hydroponically grown by the author in sea salt and water.

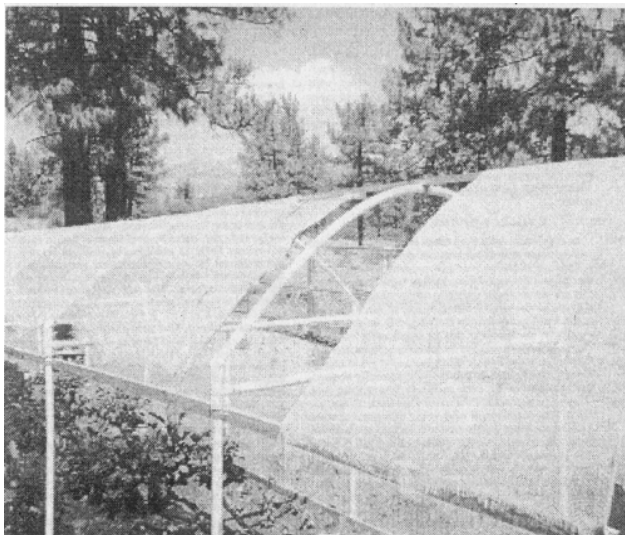


Figure 2. One of the author's grow beds protected with bird netting and burlap.

1
4,897,592
2

ELECTROSTATIC ENERGY FIELD POWER GENERATING SYSTEM

BACKGROUND OF THE INVENTION

This invention relates to the generation of electrical power by conversion of energy from an electrostatic field.

The conversion of energy from a static electric field into useful electrical energy by means of an electrostatic generator is already well known in the art as exemplified by the disclosures in U.S. Pat. Nos. 2,972,196; 3,013,201; 4,127,804; 4,151,409 and 4,595,833. Generally, the energy conversion process associated with such prior art electrostatic generators involves the input of mechanical energy to separate charges so that a considerable portion of the output is derived from the conversion of mechanical energy.

It is therefore an important object of the present invention to provide an electrostatic generator in which electrical power is derived from the energy of static electric fields with a minimized input of mechanical power.

SUMMARY OF THE INVENTION

In accordance with the present invention, static electric fields are established between electrodes externally maintained at charge levels of opposite polarity and a pair of internal stator discs having segmental surfaces that are dielectrically spaced to confine thereon charges induced by the electric fields. A pair of rotor discs are rotated within continuous electric fields in planes perpendicular to the field flux to locationally vary the charge linkage established by the electric fields between the electrodes and stator discs. Such changes in charge linkage are effected by rotation of electrically conductive segments of the rotor angularly spaced from each other to partially shield the stator discs from the electric fields. The segments of each rotor disc have charged faces confronting the electrodes in its field to shield the stator disc over a total face area that is one-half the total area of the confronting segment surfaces on the stator disc to which the induced charges are confined. Charges on the rotors and stators are equalized by electrical interconnections established through the rotor shafts. The stator discs are electrically interconnected with an electrical load through an output circuit transforming a high potential between the stator discs into a reduced dc voltage to conduct a correspondingly multiplied current through the load.

BRIEF DESCRIPTION OF DRAWING FIGURES

These and other objects and features of the present invention will become apparent from the following description taken in conjunction with the preferred embodiments thereof with reference to the accompanying drawings in which like parts or elements are denoted by like reference numerals throughout the several views of the drawings and wherein:

FIG. 1 is a simplified electrical circuit diagram corresponding to the energy conversion system of the present invention.

FIG. 2 is a side section view of an electrostatic generator embodying the system of FIG. 1 in accordance with one embodiment of the invention.

FIGS. 3 and 4 are partial section views taken substantially through planes indicated by section lines 3—3 and 4—4 in FIG. 2.

FIGS. 5A and 5B are schematic partial fluid over top views of the electrostatic generator of FIGS. 2-4, under static and dynamic charge distribution conditions, respectively.

FIG. 6 is an electrical circuit diagram of the output circuit of the generator shown in FIG. 2, in accordance with one embodiment.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENT

Referring now to the drawings in detail, FIG. 1 diagrammatically depicts the energy conversion system of the present invention generally referred to by reference numeral 10. As diagrammed in FIG. 1, the system includes a pair of electrostatic fields 12 and 14 established by electrostatic charges of opposite polarity applied to electrode plates 16 and 18 from some external energy source. Thus, the electrostatic field 12 is established between electrode 16 and a stator disc 20 while the electrostatic field 14 is established between electrode 18 and a stator disc 22. In accordance with the present invention, electrostatic charge linkages established by the flux of the fields between the electrodes and stators are periodically varied by displacement within continuous energy fields 12 and 14 as happens in rotation of rotors 24 and 26 aligned with planes perpendicular to their common rotational axis and the field flux as will be hereinafter described. The rotors are mechanically interconnected with an electric motor 28, as diagrammatically illustrated in FIG. 1, for rotation about the common rotational axis. Electrical energy may be extracted from the electric fields 12 and 14 during rotation of the rotors 24 and 26 by motor 28 through an output circuit generally referred to by reference numeral 30. The output circuit 30 as shown, in FIG. 1 in a simplified fashion, includes two pair of current conducting diodes 32A, 32B and 34A, 34B. The diodes of each pair are oppositely poled and each pair is connected in parallel to one of the stators 20 and 22. The diodes of each pair are also electrically connected across an electrical load represented by resistors 36A and 36B with capacitor networks 38A and 38B interconnected between each pair of diodes by means of which the voltage potential between the stators 20 and 22 is reduced in favor of an increased current through the electrical load.

Referring now to FIGS. 3, 3 and 4 in particular, a physical embodiment of the energy conversion system diagrammed in FIG. 1 is shown. The electrodes 16 and 18 are in the form of circular plates or discs made of an electrically conductive metal having external surfaces 40 and 42 adapted to be charged from the external source as aforementioned. The internal surface 44 of electrode 18 is thereby adapted to maintain a positive charge opposite in polarity to the negative charge of the electrode 16 which is maintained in a stable ion form within a dielectric surface portion 46 of the electrode 16. The energy conversion system may be enclosed within an outer housing 48 in which the electrodes 16 and 18 are secured.

With continued reference to FIG. 2, the stators 20 and 22 mounted by housing 48 in axially fixed spaced relation to the electrodes 16 and 18 are provided with bearings 50 and 52 establishing the aforementioned common rotational rotor axis journaling a powered shaft assembly having electrically conductive shaft sec-

Figure 3.
Electrostatic energy system.

[54] CLOSED MOTIVE POWER SYSTEM UTILIZING COMPRESSED FLUIDS

3,563,032 2/1971 Le Pointe

[75] Inventor: Eber H. Van Valkenburgh, Reno, Nev.

Primary Examiner—Edgar W. Geog
Attorney—Rupert J. Brady et al.

[73] Assignee: Endless Power Corporation, Inc., Reno, Nev.

[72] Filed: Nov. 11, 1971

[57] ABSTRACT

[21] Appl. No.: 197,667

Stored energy in a compressed gas in a controlled manner to produce and to maintain such pressurized inelastic fluid is throttled to the motor. A portion only of the output prime mover is utilized to operate a for the inelastic fluid so as to maintain volumetric balance in the system.

[52] U.S. Cl. 60/468, 60/313
[51] Int. Cl. F23b 1/00, F15b 1/02
[58] Field of Search 60/31, 55, 54

[56] References Cited
UNITED STATES PATENTS
3,163,985 1/1965 Boyce et al. 60/51

12 Claims, 5 Drawing F

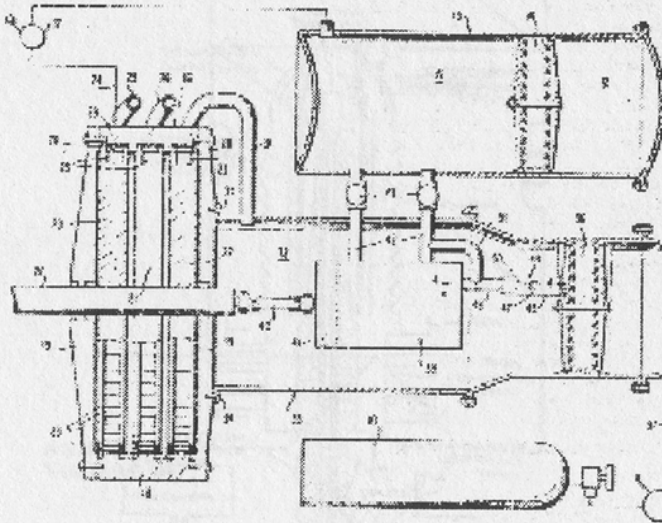


Figure 4.
Hydraulic torque amplifier.

[54] METHOD AND APPARATUS FOR SPLITTING WATER MOLECULES

4,394,230 4/1981 Puharich 128/422
4,581,008 8/1978 Harvath 204/233

[75] Inventor: Henry K. Puharich, Rm. 1, Box 97, Delaplane, Va. 22025

Primary Examiner—R. L. Anderson
Attorney, Agent, or Firm—Mauldin and Schmeitner

[21] Appl. No.: 274,277

[57] ABSTRACT

[72] Filed: Jun. 18, 1981

Disclosed herein is a new and improved thermodynamic device to produce hydrogen gas and oxygen gas from ordinary water molecules or from seawater at normal temperatures and pressures. Also disclosed is a new and improved method for electrically treating water molecules to decompose them into hydrogen gas and oxygen gas at efficiency levels ranging between approximately 80-100%. The evolved hydrogen gas may be used as a fuel and the evolved oxygen gas may be used as an oxidant.

[51] Int. Cl. G25B 1/04; C25B 1/10; C25B 9/04
[52] U.S. Cl. 204/128; 204/228; 204/260; 204/267; 204/266
[58] Field of Search 204/129, 218, 260, 263; 204/266

[56] References Cited
U.S. PATENT DOCUMENTS
3,563,345 2/1971 Puharich 310/4

9 Claims, 20 Drawing Figures

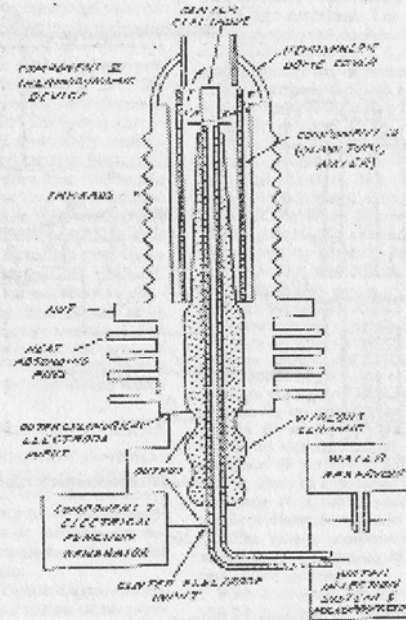


Figure 5.
Hydrogen generator.

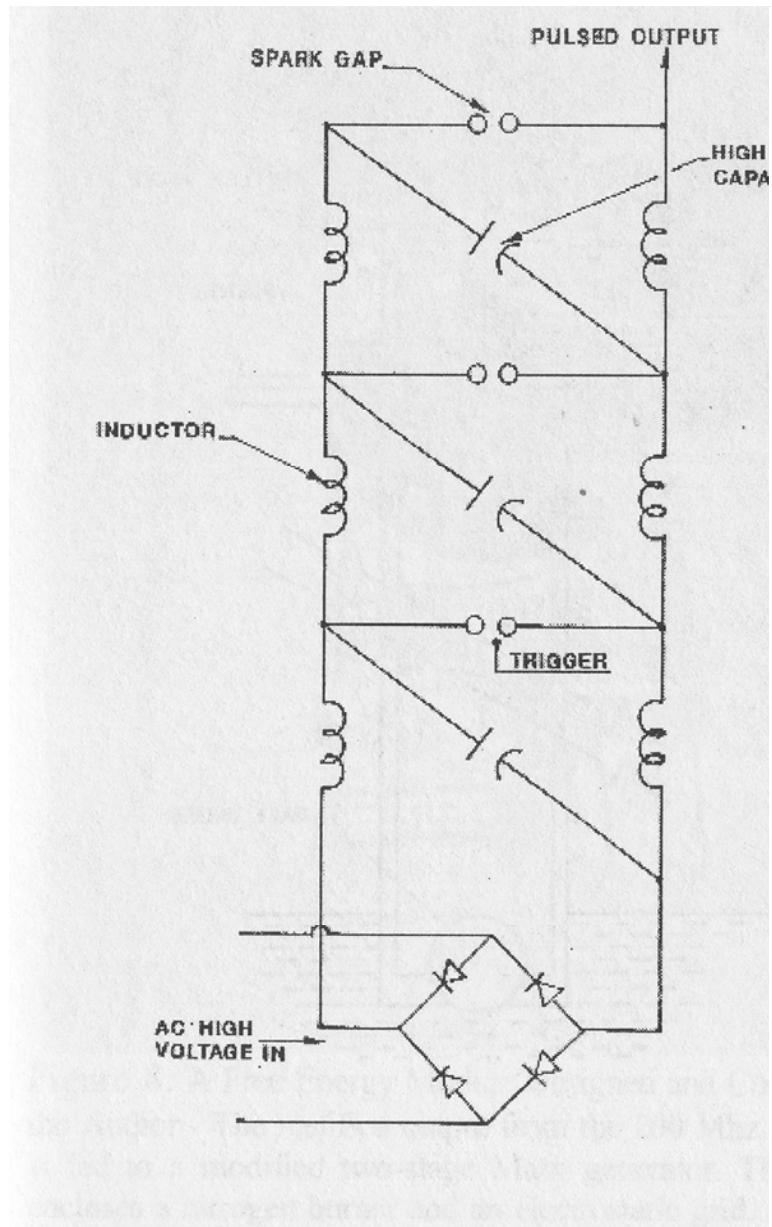


Figure 6.
Circuit schematic for a pulsed D.C. high voltage module for powering a d'Arsonval coil.

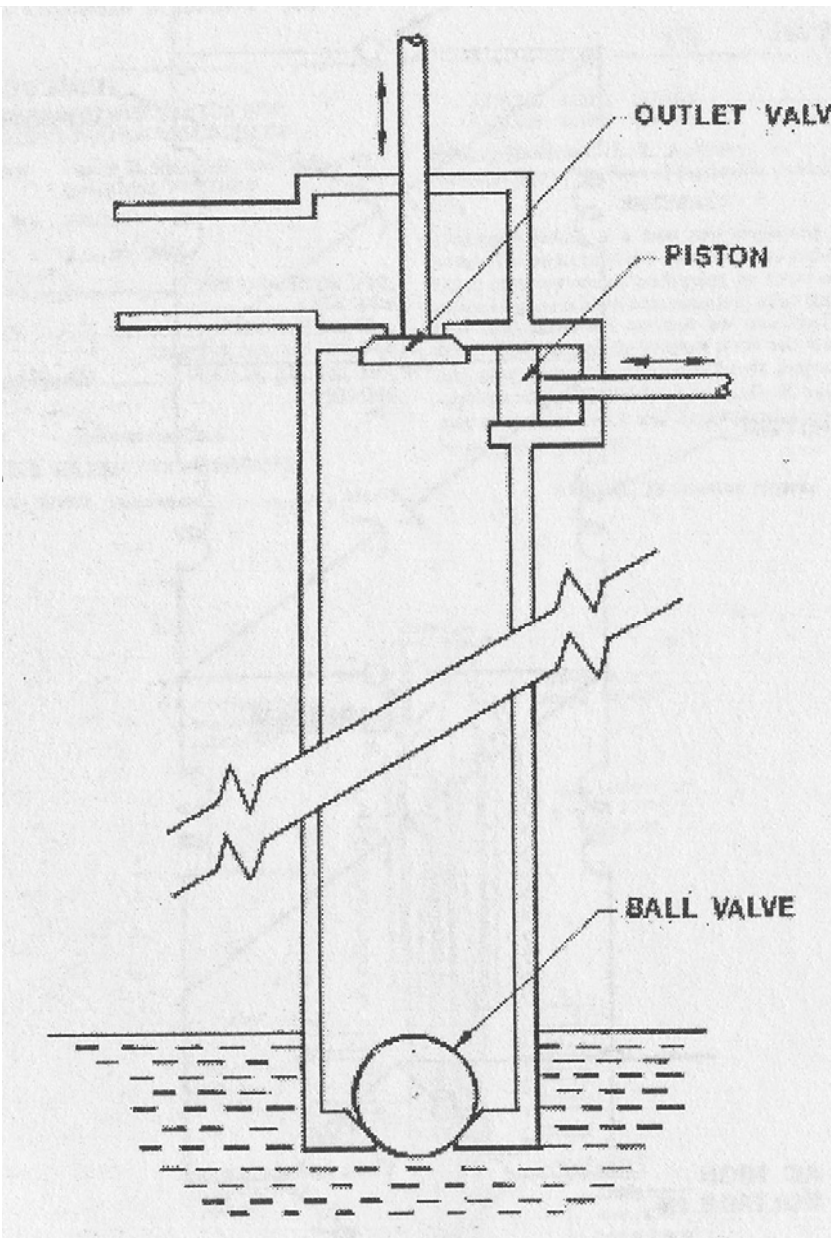


Figure 7. Pump for sucking water from great depths.

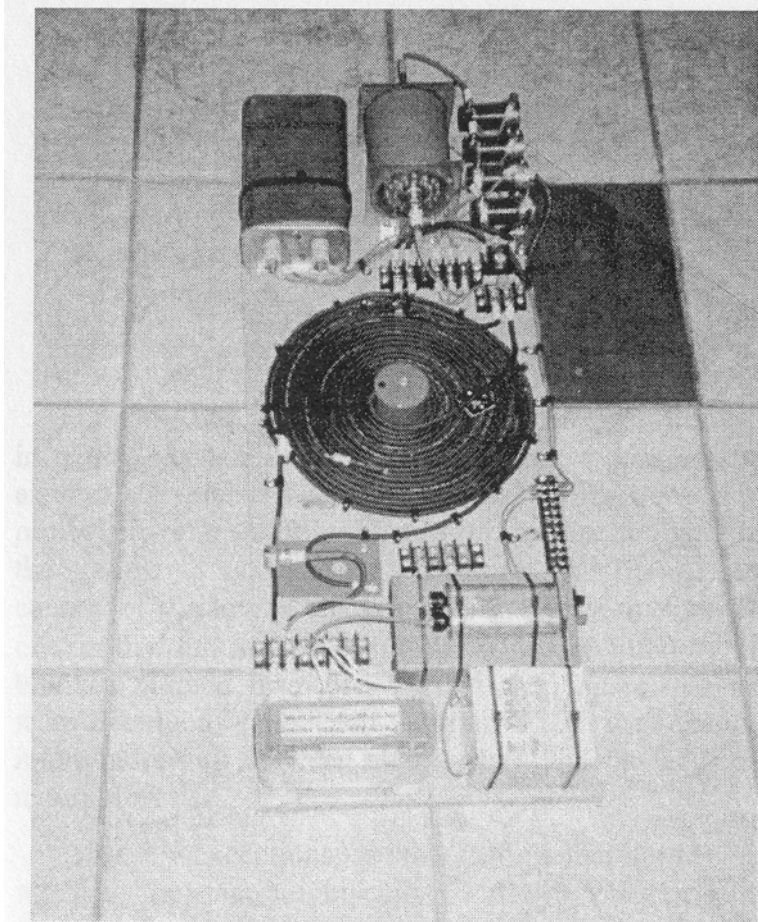


Figure 8: A Free Energy Module Designed and Constructed by the Author - The rectified output from the 200 Mhz. tertiary coil is fed to a modified two-stage Marx generator. The iron pipe encloses a nitrogen burner and an electrostatic grid. Some of the electrostatic flux lines are terminated at a tubular capacitor which supplies current for recharging the 12 volt battery. In the configuration shown, the unit is used for supplying electricity to a large, high voltage motor/generator (not shown) which possesses a rare earth magnetic rotor and an air core coil stator. Back e.m.f. from the motor can either be used for increasing torque, or for battery recharging. By replacing the oil-filled capacitor with a bank of rapid discharge polypropylene capacitors, the module could serve as a home power unit.

Chapter 6 Better Forests for a

Better World

Most forestry graduates are woefully ignorant of the soil and water aspects of forestry.
—*Proceedings of the Fourth American Forest Congress, 1953*

For millennia, natural forests had their rightful place in nature's scheme of things, occupying a considerable area of the global landmass. Shade loving trees were protected while small saplings, from intense sunlight, by the foliage of understorey vegetation and by the leaf canopy of sun loving tall trees. Up to eighty five percent of rain that fell in the virgin forests was retained by the biomass formed from the nutrient rich leaves that fell from deciduous trees each autumn. There was thus an interrelationship between all the flora and fauna of the natural forests.

With few exceptions, as when Mongolian hordes laid waste to the once mighty city of Babylon, leaving the city and surrounding countryside so devoid of life that: "...wild beasts shall cry in their desolate houses and dragons in their pleasant palaces..." wars did little to disrupt the wonderful harmonious ecosystem of the natural forest. For thousands of years, the massive walls surrounding cities, together with adequate food storage, provided protection against besieging armies who usually gave up and returned home, leaving the nearby forests unharmed.

And then came the military use of gunpowder. The newly invented cannon appears to have been used in warfare for the first time when King Charles VIII of France used his cannons to breach the walls of Italy's

city states in 1494.² The fire power of the early cannons enabled rapacious members of the European nobility to extend warfare to larger land areas. As one walled city after another succumbed to cannon fire, merchants intent upon expanding their market territory followed in the wake of victorious nobles, thus creating a symbiotic relationship between the nobility and the merchant classes, both lusting for territorial conquest. The first cannons were large and heavy, being made of cast iron, which hampered their mobility, but were soon superseded by lighter bronze versions and muskets. These deadly innovations were quickly added to Portuguese warships, other major European nations later adopting the trend, using their naval vessels to subdue, then pillage weaker nations.

In order to fulfill their insatiable greed, the nobility and their merchant allies established large permanent military forces and naval fleets for the purpose of creating empires. And thus was born the military industrial complex. Vast tracts of pristine forest were cut down to provide timber for new ships and charcoal to fuel the forges of the armaments makers. At the same time, tropical forests were being ravaged, as exotic hardwoods were fashioned into fine furniture for the stately homes of Europe, and later for their American counterparts. Great trading companies were created for the purpose of looting the natural resources of foreign countries unable to defend themselves; often these rapacious companies possessed private armies and navies which also served the needs of their own governments. The British East India Company, for instance, once possessed the world's largest army, in addition to forty three warships. With total disregard for the consequences of large scale deforestation, desertification began to rear its head on land where magnificent forests had flourished for centuries. Civilizations invariably die when the land is denuded of

forests, leaving deserts as the principal monument to the folly of humankind.

Modern forestry commenced in Switzerland during the 19th century, and to its credit, the Swiss government still imposes strict requirements on the types of trees which can be used in afforestation. Sadly, reforestation (the replanting of trees) in most nations is conducted in an irresponsible manner, with a rapid return on the invested dollar being the only motive—timber quality and soil erosion being largely ignored.

American forestry practices are particularly atrocious. Large expanses of forest are clearcut, thereby allowing the positively charged monopoles emitted by the sun to bombard the exposed soil, which causes the water table to be driven deeper into the earth. Fertile top soil is disturbed as logs are dragged to the vicinity of logging trucks, allowing the winter rains to wash it into neighboring rivers and streams, with resultant sedimentation problems. The denuded land is then replanted with a single type of tree (monoculture), usually fir or pine, since they grow faster than most hardwoods. In such managed forests, artificial fertilizer is applied, aggravating runoff pollution and destroying vital soil microorganisms, and new undergrowth is ruthlessly removed, causing the soil to become excessively warm. The resultant forest, lacking the biodiversity necessary for the sustenance of a healthy natural forest, attracts pests and results in poor quality timber. All healthy plant life emits a resonant frequency, the specific frequency varying according to plant specie; the resonant frequency changes if a plant becomes stressed or sick. Parasitic insects e.g. bark beetles, possess antennae which detect these subtle frequency changes, thus notifying the insect which tree or plant to attack. In this manner, nature culls diseased plants in order to prevent them from producing seeds of low vitality, which ultimately would cause the forest to

degenerate (Viktor Schauberger called such insects "Nature's Health Police").

For some strange reason, the science of dendrology (the study of tree growth) as currently practiced, considers widely spaced annual growth rings to be evidence that climatic conditions were very favorable that particular year. This is not usually the case, and all too frequently implies that the tree trunk was subjected to excessive light and heat, resulting in low sap flow and poor quality wood. The trunks of shade loving trees such as fir and pine, require that their trunks remain cool so that almost all growth occurs at the crown of the tree. Under ideal forest conditions, the diffused light impinging on the tree trunk does not overheat the tree sap, so there is no need for shade-providing branches and foliage of any significant size to grow out of the trunk. This allows the tree's energy to be primarily directed toward the crown of the tree, where ample foliage is necessary in order to prevent the tree top from overheating. Conversely, when spaced too far apart, or lacking protective shade from tall sun loving trees or shrubs, such shade loving trees grow an overabundance of side foliage in order to thermally insulate the trunk. This results not only in poor quality low density timber, but also wood full of knots.

Because the typical hardwood tree is very slow growing, transnational corporations, primarily interested in a fast return on the invested dollar, focus their forestry attention on the intensive monoculture of softwoods such as fir and pine, which can be harvested after twenty years for the production of lumber and paper. It should be noted that the primary reason that the transnational corporations denude the Amazonian rain forests is not for the raising of cattle, which is secondary, but for the growing of soybeans, a legume unfit for human consumption unless it is fermented, which is why so

many women who consume soy products suffer from estrogen problems.

The land on which the monoculture softwood forests are being grown is destined to become desert due to lack of understorey vegetation, salt buildup from the use of artificial fertilizers and lowered water tables. In order to make this a more habitable world for all creatures, human or otherwise, this foolish and irresponsible practice must stop. The author accordingly offers a practical approach not only for the production of very high quality wood for furniture and lumber, but also a supply of fiber and oil for archival quality paper and a multiplicity of other products.

Agronomy studies have demonstrated that crop yields increase if one third of the field is planted with trees, just as other studies revealed that forests remain healthy and self sustaining if there is a diversity of trees and understorey vegetation. What is clearly required for the establishment of a cost effective and healthy plantation which enhances nature by improving the soil, raising the water table, and providing a habitat for a variety of animal and bird life is a sun loving, very fast growing hardwood tree, and a suitable companion agricultural crop.

This can be readily attainable by intercropping Paulownia hardwood trees with agricultural hemp. Paulownia is the world's fastest growing tree. A native of China, it is little known or seen in America; about five million acres of timber grade Paulownia trees currently are under cultivation world wide. Paulownia wood is pale in color, very straight grained, does not warp or split, accepts paint well, is easily machined and is fire retardant. It also is quite light. A major plus for the grower is that it can be harvested younger than fir or pine and does not require kiln drying, unlike softwoods. The very large leaves, up to three feet across, provide

excellent shade and mulch, and having a twenty percent protein content, in addition to being mineral rich, make a superior animal fodder. As previously stated in this book, the tree has a multiple taproot which can penetrate to twenty feet or more, thus enabling the roots to mine valuable minerals. Viktor Schauburger noted that when leaves fall and form a carpet on the forest floor, the metal salts present in the decaying leaves form a network which serves as a barrier, preventing positively charged solar monopoles from reaching the underlying soil and lowering the water table. The magnificent blossoms of the Paulownia—one of the prettiest of all trees, attract honeybees from miles around, thereby assuring the fertilization of the companion plants. It is readily apparent from the above, that the characteristics of the Paulownia tree render it a far superior tree for timber production than either the fir or pine.

Although there are twenty different varieties of Paulownia, some are essentially ornamental and only attain a maximum height of thirty five feet. For timber production, the author suggests *Americana 357*, which is a tissue cloned Paulownia variety which attains a height of seventy feet or more when mature, and will ensure a very straight trunk. This variety is hardy to at least ten degrees Fahrenheit, and has been grown by the author in a high desert location at an elevation of four thousand five hundred feet, with temperatures ranging between ten and one hundred and three degrees Fahrenheit. Some Paulownia varieties will withstand temperatures as low as minus ten degrees Fahrenheit. Both Paulownias and agricultural hemp prefer well drained loamy soils with a pH between 6.0 and 7.0. For optimum healthy growth and soil enhancement, the author suggests that the Paulownia seedlings, which are shipped when they are about six inches high, be planted with a fertilizer consisting of granite or volcanic dust blended with sea salt and mycorrhizae, the reasons for which are detailed

in the chapter on horticulture. Since the Paulownia taproots go very deep, the planting holes should be deep enough to penetrate all strata of caliche, if present.

Paulownia seedlings should be planted after the last frost has occurred; growth the first year will be approximately twelve feet. The following spring, bizarre as it may seem, the trunk should be cut off at ground level, an operation known as coppicing. In two or three weeks, small buds will form around the tree stump. All but one bud should be removed. Now comes a miracle of nature: during this second year of growth, the bud will form a trunk about thirty feet in height. The leaves, which will become very large, and all side shoots, should be removed except near the top of the trunk. In the third year of growth, branches will appear near the top of the trunk and begin to form a shade canopy; flowers also are produced in the third year. Paulownias should be spaced approximately twenty feet apart in all directions.

Agricultural hemp (*Cannabis Sativa*) also known as industrial hemp, is believed to have been one of the very first plants to have been cultivated, which is not surprising considering that some 25,000 uses have been found for it. It contains 0.3% or less of the psychoactive chemical Tetrahydrocannabinol (THC) which means that it probably would take a hemp cigarette the size of a utility pole in order to derive a high, if smoked; in addition smoking agricultural hemp would give a person a severe headache. Hemp used to be considered a very important and beneficial crop. The reader may wonder why the growing of such a useful plant was banned prior to W.W. II. Newspaper tycoon Randolph Hearst acquired large tracts of softwood forest in an attempt to corner the market on wood pulp used for making newsprint, thereby providing him with a decided advantage over his publishing competitors. This was the same era that saw Dupont chemists develop nylon. Until

that time all high strength ropes were made from hemp, since hemp has the longest and toughest fibers of all plants. Realizing that hemp rope provided serious competition for their more expensive nylon rope, the Dupont family conspired with Hearst to have the growing of hemp banned. Corrupt politicians were persuaded to declare the growing of all hemp illegal, regardless whether it were the harmless agricultural kind or the psychoactive variety.

And then came WW II. The rapid expansion of the US Navy necessitated the construction of many naval and merchant ships, all of which needed a plurality of ropes. Unfortunately for the Duponts, nylon rope stretches too much and lacks the necessary tensile strength for use as mooring ropes. Consequently, the ban on the growing of agricultural hemp was lifted for the duration of the war. Hypocritically, the ban was reinstated after cessation of hostilities. Realizing the value of agricultural hemp as a useful and profitable cash crop, several countries, including Canada and Japan, are now allowing it to be grown. Bureaucratic red tape and especially overzealousness on the part of the Drug Enforcement Agency, are still preventing American farmers from participating in the hemp renaissance, even though hemp products are allowed to be sold in America.³

It has been estimated that over a twenty year period, one hectare (2.471 acres) of hemp can produce as much paper as four hectares of trees, which illustrates how vast an area of land could potentially be spared from the ravages inflicted by current methods of softwood forestry, if paper pulp were to be obtained from hemp.

Hemp seedlings will withstand a light frost; being photosensitive, hemp plants will bloom when the days are longest, regardless of how early they were planted. Hybrid varieties enable growers to select either types

yielding the maximum seed, or varieties with longer stalks intended primarily for fiber production. From a health standpoint, hemp oil is the most beneficial of all oils, having a higher protein and fatty acid content than even flax oil, moreover, it withstands high heat better than other oils for culinary purposes. Flax also produces a high quality fiber for textile purposes, but only yields a maximum of four tons per hectare, compared to a maximum of eighteen tons per hectare for hemp. Agricultural hemp is clearly an economically viable crop for farmers where it is legal to grow it (it was never banned in France). Hemp seed yields in 1999 averaged 800 pounds per acre, grossing \$308 to \$410 per acre. These figures compare very favorably with \$103 to \$137 gross per acre for wheat and canola seed.⁴

Narcotics legislation renders it a crime in countries such as Australia to be in possession of horticultural instructions appertaining to the growing of agricultural hemp. Since the author hopes that this book will find its way into the hands of Australian readers, instructions for the growing of agricultural hemp are reluctantly omitted from this book (the author wishes to point out that since the psychoactive varieties of hemp, in keeping with all forms of narcotics, damage the meissner field, also known as the human aura, he is opposed to the ingestion of any psychoactive substance).

Unlike cotton, which is frost sensitive and degrades the soil, mature hemp plants need not be harvested until after autumn frosts commence, if necessary. The harvested stalks are subjected to a process in the field known as "retting." This consists of allowing the non fibrous constituents of the hemp stalks to decompose by means of bacterial action, leaving the long bast fibers intact. This process results in about forty two percent of the plant nutrients being returned to the soil.

The taller varieties of hemp are prone to wind damage. It is for this reason that the author suggests that the hemp be intercropped with the Paulownia plantation. This approach can be optimized by growing the trees and hemp side by side in a continuous spiral manner; if the growing area is rectangular, the spiral would also be rectangular, but also could follow the contour of a hill as in contour plowing, when necessary. The spiral planting area would comprise two adjacent strips, the outer strip comprising for example, four rows of Paulownia trees spaced twenty feet apart, the trees being staggered in adjacent rows, thereby creating a growing strip one hundred feet wide. Next to the strip bearing Paulownia trees would be another strip of similar width planted with agricultural hemp. The dual strips would wend their way spiral fashion to the center of the growing area. By planting in this manner, the hemp crop would be sheltered from the wind on both sides by plantings of Paulownia trees.

Even while the Paulownia trees were only in their third year of growth, the trunks would create what is known as vortex shedding in windy weather. This phenomenon causes vortices to form alternately on either side of the tree trunk, as the wind flows past the trunk, causing the wind to lose some of its destructive energy. Vortex shedding is what makes a flag flap in a strong breeze, instead of remaining stationary, as the vortices generated behind the flag pole alternately push the flag from side to side. This type of spiral intercropping would greatly reduce losses due to moisture evaporation and soil erosion. For crop rotation purposes, the hemp could be replaced periodically by a planting of sunflowers, a plant which also enhances the soil and benefits from wind protection.

A low growing shade tolerant type of tree could be planted beneath the shade canopy provided by the Paulownia trees in order to provide additional

biodiversity, which also increases crop yield. A small tree which grows well in sun or shade is the Pawpaw (*Asimina triloba*) which is a prolific producer of a fruit tasting somewhat like a banana, and with an unusually high protein content. It was a staple food item for the Lewis and Clark expedition. With fruit weighing up to a pound apiece, the Pawpaw tree is very hardy, but also grows well in warmer areas such as Southern California. Although not widely grown or marketed at present, the Pawpaw could become a valuable cash crop.

The basic biodiversity system as outlined above, suggests that it presents major economic and ecological advantages over the monoculture of softwood forests as presently practiced—a practice inevitably resulting in large scale desertification and siltation of rivers and streams. This same basic system of polyculture could also be applied to small farms, in which case a winter crop of lettuce or other cool temperature vegetables, could be grown in temperate climates. Increased biodiversity could be accomplished by allowing free range chickens to forage for fallen seeds after harvesting the hemp, provided the fields were adequately fenced.

Desertification is proceeding at an alarmingly accelerated pace, due to lack of hedge rows, soil compaction caused by cattle, mechanized equipment, and the use of artificial fertilizers. A healthy worm population cannot survive in soil which has been heavily impregnated with artificial fertilizer and pesticides. Earthworms are amazing creatures, each worm bringing more than ten tons of earth to the surface annually. As the soil and vegetable matter passes through the worm's body, it is impregnated with antibiotics and calcium secreted by the worm's intestinal tract. In addition, as the worm burrows, it secretes a mucous, which hardens to form a water insoluble lining to its tunnel. When it rains, water readily percolates into the tunnel, the insoluble lining preventing the tunnel from collapsing.

Studies have revealed that rain water percolation is up to eighteen hundred times greater in soil with a large worm population, than in soil devoid of worms. This is why farmland subjected to artificial fertilizers is prone to runoff and flooding problems in rainy weather. Healthy soil should have an earthworm population numbering more than one hundred per square foot of surface area. When moving in their burrows, worms (and all burrowing creatures) function as pistons, drawing in much needed nitrogen from the air and expelling toxic gases into the atmosphere, in the manner of an air pump. By recycling so much soil, earthworms accumulate very high levels of pesticides, if present. Such a worm is lethal to any bird or mole that eats it.

Many cities lie buried beneath the sands of the world's deserts, including the Sahara and even at the Giza Plateau, stark testimony to the folly of humankind. Unless the present insane practice of intensive monoculture and use of petrochemical based fertilizers and pesticides is halted, the pace of desertification will accelerate until the world's land masses will resemble a lunar landscape.

Less than four percent of the original two million acres of first growth redwood forests remain, mainly in small isolated pockets within national parks. The transition from softwoods to Paulownia wood for lumber, together with the manufacture of paper from hemp instead of wood pulp, would go a long way toward the prevention of desertification, an additional bonus being enhancement of the precious topsoil on which these crops are grown. The superb quality of low cost Paulownia hardwood also would facilitate replacing present day chipboard furniture with the real thing.

To be practical, Captains of Industry are obligated to generate profits for their stockholders, therefore the cessation of harmful forestry practices and forgoing the

use of artificial fertilizers and pesticides, will only become a reality if we offer these aforesaid Captains of Industry viable cost-effective and profitable alternatives. Only then will meaningful environmental stewardship of our beautiful planet take place.

One approach would be to drastically reduce the amount of lumber used in the construction of a typical house; since approximately one million new homes are constructed in America annually, this could result in a massive reduction in the number of trees felled each year. Present methods employed in the construction of residential homes are crude, resulting in a home lacking in solidity, prone to termite attack and an inherent deadly fire risk. If we drastically curtail the use of lumber in home construction, how do we provide an income for the employees, and profits for the stockholders of the Weyerhaeusers and Georgia Pacifics? And what do we do with the enormous volumes of ammonium polyphosphates currently being applied to our fields as a nitrogenous fertilizer, which drains into the rivers causing blooms of deadly pathogens?

The growing popularity of constructing homes using steel studs for framing the walls interrupts the earth's geomagnetic lines of force passing through the house, creating an environment possibly biologically harmful to the well being of the occupants, who are biomagnetic creatures. One possible alternative to the problem would be to construct modular homes from artificial stone. One tends to associate modular homes with boxlike structures, but this need not apply if the wall panels are not constructed from flat sheets of material, as is usually the case. Cast artificial stone construction modules would result in residences possessing a feel of solidity, together with fire resistance, enhanced durability and would also offer greater architectural design flexibility, resulting in homes with flowing lines (nature abhors straight lines).

Artificial stone is currently manufactured from crushed rock and cement, but this need not necessarily be the case. If ammonium polyphosphate is mixed with the appropriate grade of magnesium oxide, instead of applying it to farmland, a very durable artificial stone rapidly forms in less than seven minutes, possessing a high bioenergetic force when tested radionically. Sawdust from lumber mills and furniture factories can be incorporated into the formulation prior to it being compression molded into modular panels for exterior applications. This process results in the temporary emission of ammonia, which can be captured by means of fume scrubbers in order to manufacture ammonium hydroxide as a commercial byproduct.

By adopting this process, timber companies could gradually make the transition into the manufacture of modular homes, using former loggers and lumber mill employees to work automated assembly lines. Interior wall panels could be manufactured from hemp pulp and a suitable binder. Such panels possess very dense and impact resistant skins bonded to a honeycomb core molded from the same material. The resultant panels are very rigid, fire retardant and termite resistant (the author has been involved in the development of both of the above processes). The biggest obstacle to preventing desertification due to current forestry practices, is the stifling and all too often corrupt bureaucracy administering environmental organizations, governmental and civil, who continually spew forth new draconian environmental legislation, in order to preserve their paper pushing empires as a means of job security. The environmental movement was created by the Illuminati, not for the well being of Planet Earth, but as a ploy to deindustrialize the major nations as a measure for gradually reducing the labor force to a level of serfdom. Until the parasitic agglomeration of environmental bureaucrats is drastically reduced in

number (resulting in a tree saving major reduction in the endless flow of inconsequential paperwork) valid environmental innovations will continue to be suppressed.

Much has been said in this chapter about desertification. Isn't it time that we halted the inexorable creeping expansion of desert regions? This is not an impossible task, provided that corrupt politicians and environmental bureaucrats are not permitted to hamper such a vitally necessary undertaking. It should be reiterated that the author anticipates that the world shortly will be engulfed in a global war. The outcome of such a catastrophic war can be expected to result in such horrendous devastation that the collapse of centralized bureaucracies will be inevitable, with the errant politicians who allowed totalitarianism in high places to occur, dealt with in an appropriate manner by partisan groups. This will facilitate the implementation of sound ecological practices in the years to follow, in local areas, at which time, technologies presented in this book, or more advanced ones, can be implemented for the benefit of all life forms without interference by incompetent bureaucrats or rapacious transnational corporations.

Desert soils are composed of weathered inorganic mineral particles, usually very deficient in cation exchange capacity. In laypersons terms, this means that the soil lacks the ability to absorb nutrients, then release them as required for uptake by the roots of plants. Another major problem encountered with desert soils is that due to very infrequent rainfall, excessive amounts of salts tend to accumulate on the soil surface due to evaporation, making the soil very alkaline and inhospitable to most types of vegetation. In order to render desert soils suitable for reforestation, a topsoil must be created, rich in humic complexes, in order to enhance the cation exchange capacity.

For effective reforestation, excess salts must be leached from the desert soil. Normally an impossible task due to lack of rainfall, thanks to the efforts of the late Stephan Reiss, we now know that copious amounts of very pure water are obtainable virtually anywhere in the desert by drilling into solid rock formations, as described in Chapter 3 of this book. Reiss demonstrated that this was so by drilling wells at the aforementioned California City, located in the Mojave Desert, and in other very arid areas of California, as well as in Israel. A major drawback to the reforestation of deserts has been the unavailability of low cost electrical energy to pump water for irrigation purposes. As the chapter on energy demonstrates, non-polluting free energy power plants are a proven reality, although commercial use of them is currently suppressed by the Illuminati's energy cartel. It will only be after the corrupt energy cartel has been dismantled, most probably as a casualty of global warfare, that implementation of free energy devices will become commercially available and serious reforestation becomes a reality worldwide. This is why this book is primarily oriented toward future generations.

Before a forest is planted in a desert region, the soil must first be conditioned. Due to lack of meaningful ground cover, desert soils, in addition to usually being very alkaline, are often compacted, thus preventing the soil to breathe. Ground water rises and falls in a tidal manner, under the influence of lunar cycles. This rising and falling of the ground water alternately compresses and rarefies the atmospheric gases e.g. nitrogen and methane in the soil. This breathing motion allows fresh nitrogen to be drawn into the soil for use as a plant nutrient, while the production of methane by microorganisms speeds seed germination. The first order of business in reforestation is therefore to loosen the soil.

This operation is frequently performed by means of a bulldozer fitted with a ripper, which breaks up

compacted soil to a depth of eighteen inches or more. This presents a problem, for ripping the soil to such a depth destroys all the rodent burrows in the area. Burrowing creatures such as gophers, prairie dogs, rabbits, ants and earthworms play an important role in soil aeration, their bodies acting as pistons, drawing fresh air into their burrows and expelling toxins into the atmosphere. They also transport mineral rich soil to the surface when making new burrows, while ant colonies carry humus from the surface to their underground habitats, where it is accessible to plant roots.

The author suggests that instead of deep ripping, furrows two to four inches deep be made a few inches apart over the forest site. Commercial soil loosening equipment (e.g. chisel plows) is available for the task. Such plows consist of a row of chisel shaped tines, which can be adjusted for height. The tines are mounted on a frame and drawn behind a tractor. The shallow depth of the furrows does not destroy the habitats of burrowing creatures. Irrigation drip lines are installed and the furrows are then planted with a blend of nitrogen fixing seeds, and seeds which grow into plants possessing the ability to produce strong roots capable of penetrating the compacted subsoil e.g. Sunflowers or Daikon radish. A good blend would be nitrogen fixing legumes such as Common Vetch (*Vicia sativa*) or Lana Vetch (*Vicia dasycarp*) which can fix up to 275 pounds of nitrogen per acre, sown in conjunction with sunflower seeds. The sunflowers will provide support for the climbing vetch plants, as well as providing a large amount of biomass for mulch when mowed. The vetch seed should be scarified (softened) before planting, by immersing it in water at 160 degrees Fahrenheit, for three minutes. An appropriate rhyzobium inoculant is then sprinkled on the wet seeds prior to planting (the inoculant will die if subjected to intense sunlight).

Legumes such as vetches, beans and some tree species grow in a symbiotic relationship with such soil dwelling bacteria such as rhizobium. The bacteria attaches itself to the plant root forming a nodule, and converts atmospheric nitrogen to ammonium (NH₄) which is a plant nutrient. In exchange, the plant provides sugars for the bacteria.

The crop of legumes and sunflowers is mowed before the plants produce seeds, but preferably after the vetch plants have produced secondary floral nectaries at the base of leaf stalks. These nectaries are an important source of nectar for beneficial insects in early spring, when relatively few flowers are in bloom.

The soil is then plowed again with the chisel tines set deeper at a depth of six to nine inches, the furrows being aligned equidistant between the original furrows. The same seed blend is planted in the new furrows for a second crop. Meanwhile, the first planting of vetch and sunflowers, which had been mowed, will have sprouted again and can be mowed together with the second planting, the mowing of the second crop once more being accomplished prior to the plants setting seeds. The mown plants are then left to decompose during the winter. Very little fixed nitrogen will have remained in the soil, most of it having been absorbed by the vetch. Winter rains will gradually force nitrogen rich decomposed biomass particles into the soil. In the meantime, the roots of the vetch and sunflowers will have died and decomposed, leaving a myriad of air tunnels and a soil rich in humus and nutrients, as the fixed nitrogen residual in the roots of the vetch is released after the roots have decomposed.

The soil is now ready for forestation. An embankment at least six feet high is created with the aid of a bulldozer on the windward side of the proposed forest, to serve as a wind break, and irrigation drip lines

installed on it. The embankment is then planted with a low growing nitrogen fixing shrub such as *Acer redolens*, a drought resistant hardy shrub which can grow to a height of six feet and a spread of up to fifteen feet. On the leeward side of the embankment, several different varieties of nitrogen fixing acers which are fast growing and attain heights of about twenty feet can serve as a windbreak for the taller growing forest trees. Suitable acers for this application include *Acer constricta*, which is native to Arizona and Texas and has thorns, making it a good barrier plant against foraging animals. *Acer soligna* is a good nitrogen fixing tree for use as a wind break, while the hardy *Acer Baileyana* would be suitable for deserts which are cold in winter e.g. in Nevada. All acers are attractive to birds.

Acers can also serve as nitrogen fixers in the forest itself, *Acer schaffneri* being particularly useful in this respect since it is deciduous, dropping its nitrogen rich leaves in the Autumn. In tropical climates such as Hawaii, *Acer koa* produces beautiful hardwood timber and attains a height of sixty feet. Most Acers are relatively short lived, but serve the initial purpose of enriching the desert soil, after which the permanent forest trees fulfill a similar role by creating a deep biomass. Another nitrogen fixing tree which is wind tolerant and hardy to fifteen degrees Fahrenheit is the Casuarina, which has pine-like needles, and is useful for stabilizing sand dunes. Nitrogen fixing shrubs indigenous to the deserts of the American south west and Mexico can also serve a role in desert reforestation. These species are Mesquite, Ironwood (frost sensitive) and several varieties of Paloverde.

Reforestation in tropical desert regions can benefit from such nitrogen fixing trees as *Flemingiamacryphlla*, and the fast growing timber tree *Leucaena*, the latter having the ability to sequester (bind) carbon, thereby purifying air contaminated with excessive greenhouse

gases. In tropical regions, the reforested area can serve as an agroforest, where shade loving species such as coffee, citrus and vining crops such as vanilla and black pepper, can be grown under the leaf canopy of taller trees. Since emphasis on health forms an important part of our blueprint for a better world, it would be very advantageous to interplant tropical forests with the *Morinda citrifolia* tree, the fruit of which yields the well known noni juice, which has remarkable curative powers. Once common throughout the Hawaiian islands, most morinda trees were cut down to make way for pineapple plantations.

For reforestation in areas where the winter temperatures do not fall below ten degrees Fahrenheit, various species of Paulownia will make good foundation trees for the new forest, due to their extremely fast growth and deciduous mineral rich leaves, which rapidly create a very thick mulch. Paulownias usually produce huge seed pods in their third year of growth, ensuring that Paulownias will quickly spread to the more remote areas of the new forest. The well designed newly planted forest will have a diversity of trees selected for suitability according to land elevation and unique attributes. For instance, although nitrogen fixing trees and shrubs are vital to the initial enrichment of nutrient poor desert soils, an excess of such trees will result in soil nitrification, which is very harmful. As the biomass of fallen leaves increases in thickness, silica will be leached from the decaying leaves and assist in considerably lowering the soil alkalinity, thus stimulating the growth of the fledgling forest.

The climate over the reforested area will become cooler, as vast quantities of water vapor are transpired into the atmosphere daily by the trees. Increased rainfall could therefore be expected not only in the forest itself, but also downwind of the forest. Moisture transpired from a reforested area planted east of the Sierra

Mountains in Nevada, for instance, would cool dramatically as it was forced by the prevailing wind to rise up the western slopes of the Wasatch Mountains, causing rain clouds to form. An increase in precipitation also would be likely in the region between the forest and the Wasatch Mountains.

In desert regions, hot air rises during the daytime, to be replaced by cooler air which rushes in and carries fine sand particles aloft. These sand particles act as nucleating agents for any water molecules which are present in the atmosphere. Because the quantity of sand particles in the desert air is usually so great, there are insufficient water molecules to coalesce on each sand particle to form rain drops, which is the main reason that deserts are so arid. The same phenomenon occurs if too much silver iodide is used in cloud seeding operations, resulting in little or no precipitation. Reforestation permits the trees to filter out much of the wind blown sand and dust particles, thus allowing the reduced amount which are borne aloft over the forest to become effective nucleating agents for the formation of raindrops.

Raindrops spin as they fall, collecting an electrical as well as a bioenergetic charge in the process. These charges are imparted to the leaves of plants and trees during rain storms, resulting in enhanced growth, which is why plant growth is more stimulated by rain storms than by irrigation. The great Scottish scientist Lord Kelvin (1824-1907) developed a laboratory experiment which demonstrated that falling water droplets can develop electrical charges amounting to several thousand volts.

The experiment also revealed that the electrical charges diminished in voltage as the water droplets increased in size. In order to maximize growth and vigor in the reforested areas, it therefore behooves us to ensure

that precipitation over the forest falls as in the form of small, not large droplets. To accomplish such a weather modification feat, it behooves us not to resort to some radically new form of untested weather engineering technology, but rather adopt weather technology which was effectively used prior to the advent of recorded history.

In order to comprehend how this remarkable weather control system functions, it first is necessary to dispel some widely held misperceptions concerning lightning strikes. It is widely believed that lightning never strikes the same place twice, and that lightning always strikes the tallest tree in a wooded area. These beliefs are simply not true. While conducting his electrical experiments in Colorado Springs, the prodigious inventor Nikola Tesla observed lightning repeatedly striking the same spot during a severe storm. Oak trees, dwarfed by towering evergreen trees growing in the same forest, are frequently struck by lightning. The reason for this becomes apparent when we realize that lightning attempts to discharge (ground out) its prodigious energy into an object which has the highest electrical conductivity. In its attempt to discharge its energy as rapidly as possible, a lightning bolt seeks out the localized areas of atmosphere beneath the thundercloud, which possess the highest levels of conductivity. This is why lightning bolts usually travel in a zig zag manner. A tree which happens to have some of its roots adjacent to an underground stream or a water filled rock fissure, is more electrically conductive than a tree whose roots remain close to the surface and growing in soil containing less moisture. It so happens that oak trees prefer to grow adjacent to underground streams, whereas other trees such as beech or fir prefer drier soil, which accounts for the reason that oaks are more prone to lightning strikes than beech trees.

Ozone is a by product of lightning, which is why lightning plays a very beneficial and self regulating role in nature's overall scheme of things. Lightning is also the cause of destructive forest fires. Admittedly, a large forest fire racing through a mature forest clears the ground of an over accumulation of dead brushwood, to be replaced with new undergrowth, while the thick bark of mature trees insulates the latter, but a lightning strike on newly reforested land would be very damaging. In order to prevent lightning strikes, it is necessary to remove excessively high electrical charges from overhead thunderclouds. This was an important function of the previously mentioned neolithic weather engineering system.

In the region of southern England where the author was raised, are numerous monolithic stones composed of granite. Adjacent to many of these monoliths are either circular mounds called tumuli, or large elongated mounds resembling oversized graves, known as barrows. Because many of the barrows contain human skeletons and funerary artifacts, archaeologists originally believed that such barrows were, indeed, the graves of tribal leaders. With the introduction of radiocarbon dating techniques however, it was discovered that the skeletons had been added to the barrows many centuries after the barrows had originally been constructed. The tumuli and barrows are composed of alternating layers of organic and inorganic materials, e.g. rocks, soil, or twigs, then covered with a layer of sod. Some of the larger barrows possess an inner cavity composed of timber or stone.

The original purpose of these curious structures becomes clearer when we consider that the cabinets constructed by the late Wilhelm Reich, M.D., for the treatment of cancer patients, were constructed with alternating layers of rusty steel sheets and organic cellulose fibrous materials such as Cellotex. The cabinets (or accumulators) of Dr. Reich attracted and

entrapped a bioenergy which he termed "orgone," which is the same energy known in China as "chi," or to physicists as the "neutrino sea." The reason that the scientist incorporated rusty steel in his cabinet construction is that rust (iron oxide) is a crystal possessing the ability to store monopole energy emanating from the sun. Dr. Reich later applied his orgone technology in the construction of a weather engineering device which he termed a "cloudbuster," a term he later changed to "space gun," after discovering that the device destabilized ufo's which happened to be in the vicinity. Reich's cloudbuster consisted of a bundle of long copper tubes, the lower ends of which were electrically grounded to a well or stream. When the device was pointed directly toward a cloud, the cloud's positive charges were neutralized, causing the cloud to disperse. Conversely, if the unit was pointed to an area near a cloud, the orgone energy potential of the target area would increase, causing the cloud to expand towards the target area, attracting additional water vapor in the process. Eventually, the cloud became supersaturated with water vapor, and rain would often commence to fall.

The monolithic standing stones adjacent to tumuli and barrows are invariably located near an underground stream or water filled rock fissures. Whenever a thundercloud begins to build overhead, the standing stone draws the positive charges from the overhead cloud. The charges flow from the rock into the subterranean water source, then into the barrow or tumulus, which functioning in the manner of Dr. Reich's orgone accumulators, store the charges. Deprived of much of its positive charges, the cloud is unable to discharge its excess energy in the form of lightning. Instead, the thundercloud is transformed into a rain cloud, resulting in a gentle precipitation consisting of small raindrops possessing a high bioenergetic charge

which nourishes vegetation in the vicinity. The standing stone monoliths, being fashioned from granite, are semiconductors due to the presence of a multiplicity of small quartz crystals, which are inherent in granite. This quality allows the charges stored in the tumulus or barrow, arising from the last thundercloud, to pass back into the monolith and discharge into the atmosphere, whenever a small cloud containing little moisture passes overhead. Collecting additional charge from the granite monolith allows the cloud to attract more moisture from the surrounding atmosphere, allowing it to grow into a rain cloud.

In this manner, the association between monoliths, tumuli and underground streams provided the neolithic populace with a unique method for moderating potentially violent thunderstorms. Monoliths and tumuli are quite prevalent throughout the western half of Britain but are seldom found in the eastern half of the country. Very significantly, most of the thunderstorms encountered in Britain occur in the eastern half of the country. Whenever archaeologists commence to excavate a tumulus or barrow, a thunderstorm almost invariably occurs in the vicinity, frequently within a few minutes after commencement of the dig. Cutting into the barrow presumably releases a massive charge of orgone energy, causing moisture in the atmosphere to coalesce into thunderclouds.

In view of the above, there is no reason why reforestation projects of the future should not incorporate this ancient weather control system. The author recommends that construction of tumuli for this application should commence with the digging of a hemispherical pit, which is then filled with alternating layers of rock and organic matter, such as branches or loamy soil. The above ground portion of the tumuli should preferably be egg shaped. Interestingly, Viktor Schauberg found that the egg shape has an affinity

with bioenergetic vortices, and accordingly built egg shaped compost heaps consisting of alternating layers of organic matter and fine river gravel and earth. The resultant compost possessed a very high bioenergetic charge. This type of weather modification device can be further enhanced by placing a circle of nine equidistantly spaced monoliths around the central standing stone. Permanent ley lines are then established between each of the stones in the circle and the center stone. The arcane method for establishing permanent ley lines is simple, but must be shielded from the profane, otherwise great harm can be caused by irresponsible, or evil persons, encoding data onto such a ley system, which is detrimental to living creatures in the vicinity. The author is therefore reluctant to reveal this technology to strangers. This particular monolith configuration amplifies the efficiency of the weather engineering system.

Nothing in nature is static. When the great forests of the world died and deserts formed in their place, a major change in the flora and fauna also occurred in those desertified areas. A similar change will naturally occur as the deserts are gradually reforested. This will result in cooler localized temperatures and increased humidity as the trees mature, providing more shade and transpiring billions of gallons of water vapor into the atmosphere. A great deal of misinformation has been published concerning global warming and greenhouse gases. Satellite data acquired by monitoring temperatures over both land masses and oceans reveal that no measurable global warming has occurred during the past two decades. The major greenhouse gases are water vapor and ozone, not carbon dioxide, which is merely a secondary greenhouse gas. Global warming and cooling is primarily solar driven, so whether or not the increased atmospheric water vapor and ozone resulting from major reforestation will result in major global temperature

changes is unknown. The absorption of carbon dioxide by sea water is temperature dependent, suggesting that if massive reforestation results in global warming, then the atmospheric carbon dioxide content will increase. Conversely, if reforestation results in global cooling, then more carbon dioxide will be absorbed by the oceans. What the future global weather patterns will be are therefore dependent upon solar activity, sunspots, etc., not upon emissions of industrial gases.

The technology provided in this chapter will enable future generations of hopefully more enlightened public spirited people to once more create new self-sustaining forests, thus halting the global desertification, which is currently spreading at a rate of an estimated 20,000 square miles annually. If they succeed in this endeavor, then the work of Stephan Reiss and Viktor Schauburger will not have been in vain.

Chapter 7

Survival Gardening

"I have seen the lifeless eyes and the spindly, wobbling legs of children denied the balanced nutrition of an adequate food supply. Hungry children of war-torn countries have snatched food from my own hands. "

—Willis J. Hackett

Monday was always market day in the sleepy little town that was the center of culture and religion for the inhabitants of northern Spain. Monday, April 26th, 1937, began like any other previous market day as farmers and peasants descended from the neighboring hillsides and crowded into the town square. Those not actively engaged in business transactions clustered in groups near the ancient and revered oak tree, under whose spreading branches Basque officials had been elected to office since medieval times.

Even though the town was a center of Basque nationalism, its name was unknown to most foreigners. That was to change dramatically the following day as a stunned world learned that the name of the little town was Guernica. At 4.30 p.m. on that fateful Monday, twenty five bombers of Hitler's elite Kondor Squadron, accompanied by more than twenty fighter aircraft, began bombing and strafing the town. Over the course of the next terrifying three hours, the Nazi merchants of death dropped one hundred thousand pounds of high explosive and incendiary bombs on Guernica. The blanket bombing was a new Nazi tactic, orchestrated at the request of Generalissimo Franco, for the purpose of breaking the spirit of the Basque populace. When the

bombing ceased, one of the few objects still standing in this town of no strategic importance, was the oak tree.

Lebanon used to be a county of choice for retired wealthy Americans. Known as the gateway to the east, the immense appeal of the tiny nation to well heeled Americans was its miles of golden beaches, good skiing in the nearby mountains and the sophistication of the city of Beirut, where Christians and Muslims coexisted peaceably, and whose School of Law had been famous during the Roman era. And then the Illuminati overlords decided to designate Lebanon's Bekaa valley a major opium growing region, under the direction of Rifat Assad, the brother of the Syrian President Hafez Assad.¹

The logistics associated with growing and shipping a narcotics crop is simplified if the attention of the global newsmen is misdirected toward a locally occurring civil war, as was evidenced in the poppy growing region of Asia's Golden Triangle, and Colombia's coca communities. Not surprisingly, external forces created the bloody Lebanese civil war, which commenced in 1975 when Christian terrorists ambushed a bus crowded with Palestinian refugees. Even today, Lebanon is ruled by a quisling government beholden to Syria, with ten percent of southern Lebanon still dominated by Israel.

An Arab saying states: "Speak about it so that it does not happen again." Beirut and Guernica are classic examples to hold up to those of the "it couldn't possibly happen here" mentality. Berliners, who during the 1930's believed they had entered the dawning of Hitler's promised Thousand Year Reich, could never have imagined that at the conclusion of WW II many Berlin men would have to walk several miles daily to fetch water, while German women were often raped several times by brutal Russian occupation troops, every time they ventured out to scavenge for food. Do you know, dear reader, where to find water if your municipal water

facility is destroyed, or where to find food if the supermarkets and food distribution centers are bombed out of existence? At least a half million Iraqi women and children died from malnutrition or disease after Gulf War I ended because NATO aircraft had destroyed most of Iraq's infrastructure, a situation aggravated by the United Nation's embargo on vital imported commodities. If the populace of America and Europe fail to heed the above cited Arab edict, and oust our Illuminati overlords, then it is almost a certainty that sometime within the next decade we will hear the rumble of Russian or Chinese tanks in our streets.

Most Europeans lived in rural areas, not in big cities, during the medieval era. Villagers owned enough land to grow their own crops, while their cattle grazing on the village common land made them self sufficient in meat. Battles were fought in the countryside, usually leaving towns and cities intact. Conversely, most people today live in suburban homes on small lots, creating a problem for those who wish to grow sufficient fruits and vegetables for the entire family. Present day battles are no longer fought in open fields, but occur instead in urban areas. To make matters worse, the experienced platoon leader does not lead troops through the streets for fear of exposure to sniper fire. Instead, it is a safer and common practice to employ tanks and satchel charges in order to blast a path through buildings, causing great structural damage in the process.

In view of the above, it will behoove the readers of this book to at least be conversant with survival gardening techniques. Even those living on an acreage and are keen gardeners, will have to modify their gardening methods if the country is attacked and invaded, for theft of garden produce is prevalent during times of extreme food shortages, as Europe's inhabitants discovered during W.W. II. What is needed is a horticultural system with the capability of intensively

growing sufficient fruits and vegetables to meet family needs in a minimum area which can be protected from theft. This is what this chapter is all about. Even if the reader does not intend to construct such a survival gardening system at the present time, at least knowing how to accomplish the task if it becomes necessary to do so, will give peace of mind. Bureaucrats possessing a questionable political ideology, are already at work attempting to prevent the American populace from becoming self sufficient. President Clinton, for instance, signed an executive order which, if implemented, will ban home vegetable gardens. In a similar measure, the Salem town council has approved an ordinance which limits the size of home vegetable gardens.

Perhaps the reader would like to grow most of their own fruits and vegetables, but lack a garden and only possess a patio. The horticultural system described in this chapter can be adapted for installation on a patio of reasonable size. Moreover, the system uses no artificial fertilizer and results in produce very rich in vitamins and enzymes.

This particular horticultural system is based upon growing fruits and vegetables in bottomless wooden grow boxes. The basic system was initially developed by American horticulturalist Jacob Mittleider. The Mittleider system consists of grow boxes fabricated from 1x8 inch cedar or redwood lumber. The standard grow box is thirty feet long by five feet wide. Support for the sides of the boxes are provided by 1x2 inch wooden stakes, which are driven into the ground at the outer sides of the boxes (stakes are unnecessary if the boxes are to be placed on a concrete patio). The author fastened chicken wire to the underside of his boxes in order to prevent access by gophers. The grow boxes are filled with a blend of equal parts of sand and peat moss or a 3 : 1 mixture of sawdust and sand. Artificial fertilizer is

blended into the mixture together with pesticide to kill soil maggots.

Sixty percent less water is required in order to grow plants by the Mittleider system. Unlike ordinary soil, whose nutrient content may vary considerably over a small area of ground, the Mittleider system provides uniform nutrient levels over the entire growing surface. This enables fruits and vegetables to be planted very close together, resulting in higher crop yields than can be obtained by conventional horticultural practices. The Mittleider system has been demonstrated in numerous third world countries where the soil was too depleted to yield meaningful crops. Thirty tons of sweet potatoes have been grown in fields which previously would only yield four tons, and sixty tons of tomatoes where twenty tons had been the norm. It has been estimated that the Mittleider system could provide for a global population of some thirty two billion people.

Although the Mittleider system has proven to be able to grow abundant crops on land not normally considered suitable for horticultural purposes, the author has modified the Mittleider system in order to provide fruits and vegetables possessing higher nutritional value without resorting to the use of artificial fertilizers or pesticides.

In order to understand the author's horticultural system, first let us consider how a plant acquires nutrients and how many nutrients a plant requires in order to grow efficiently and remain pest free. If a plant is burned in an assay furnace and the resultant ash is analyzed, the ash will contain at least forty different elements if the plant has been grown in good soil, without the aid of artificial fertilizer. Artificial fertilizers, being water soluble, are ingested directly into the plant's root system. All artificial fertilizers contain no more than a total of sixteen elements, most far less. Through

repeated growing of crops in the same soil without replacing all forty or more elements necessary for good plant growth, the plants compensate by uptaking an excess of the more abundant elements such as sodium and aluminum, in addition to an excess of water. The resultant fruit or vegetable is grossly lacking in important elements and enzymes such as co-enzyme Q10, and has absorbed an excess of sodium and aluminum. This is why cancer and other debilitating diseases such as multiple sclerosis are more prevalent today than they were a century ago, before the advent of artificial fertilizers, and why the author does not recommend the adoption of the standard Mittleider horticultural system.

Plants grown in good soil uptake plant nutrients in a totally different manner, something almost invariably overlooked by most horticulturists and agronomists, who unfortunately have been indoctrinated into the belief that artificial fertilizers are the only plant nutrients capable of producing high crop yields (how wrong they are). Plants growing in healthy soil derive the bulk of their nutrients from tiny mineral particles in addition to absorption into the root system of dissolved gases, plus oxygen present in the interstices between soil crumbs. Plant roots cannot merely ingest minute mineral particles however. Minerals must first be digested by soil microflora, who convert the minerals into cytoplasm, vitamins and enzymes, which can now be ingested by the plant roots. Some soil bacteria produce polysaccharides which form gels that bond mineral particles together to form soil crumbs of up to two millimeters in diameter. Without the soil crumbs, soil gases could not flow, and percolation into the soil by rainwater would be impeded. Fungi known as mycorrhizae attach themselves to the plant roots in order to procure sugars from the plants, then grow in a threadlike manner, reaching out to up to fifty

feet away in order to bring water and nutrients to the plant roots.

What we can deduce from the above is that plants and soil organisms form a very complex symbiotic relationship. Unfortunately, microflora are killed by artificial fertilizers and preemergent pesticides. Nitrogenous fertilizers in particular are noted for causing collapse of soil crumb structure and also for creating an imbalance in cation exchange.

Grow beds for high intensity gardening clearly will have optimum performance with regard to crop yield and nutritional value of the produce, if we create a soil medium that fulfills all the nutritional needs of the plants, for healthy plants are very disease resistant. A major problem to be overcome in developing such a superior growing medium, is that many trace elements have been removed from the soil through the repeated growing of crops, but have never been replaced, which is why so much of the world's agricultural land has been drastically depleted of key elements.

In the late 19th century, a German miller by the name of Julius Henzel noticed that small pieces of granite had contaminated a batch of grain that he was milling. Henzel scattered the granite dust and flour onto part of his vegetable garden. A few weeks later Henzel was amazed that the vegetable plants which had received the granite dust were larger and healthier than those plants in the remainder of his garden. Intrigued, the miller produced some more granite dust by heating small granite rocks, then plunging them into cold water before pulverizing them with a hammer. Henzel scattered the granite dust around some of his apple trees which repeatedly produced undersized, wormy apples. Later that same year, the apple trees which had received the granite dust produced a crop of very good apples, free from worms.

Realizing that the granite dust had provided badly needed nutrients for his garden, Henzel began to develop a successful business selling granite dust to the local farmers. Sad to relate, this was an era when a German chemist (who later invented mustard gas) created the first artificial fertilizer, which was soon being produced in massive quantities after being endorsed by universities eager for funding. Lacking a meaningful advertizing budget, Julius Henzel was unable to compete with the artificial fertilizer industry, and the use of mineral dust as a plant nutrient became a forgotten art, except for a few aficionados. After much prodding, the United States Department of Agriculture conducted a test in 1991 to determine the suitability of rock dust as a plant nutrient. The test results were very mediocre when compared to a test area to which artificial fertilizer had been applied, and the negative test report stated that the crop yield grown with the aid of granite dust did not justify the cost of shipping the dust to the farmers. A close perusal of the test reveals that the agronomists who conducted the test had little understanding of how plants derived nutrients from mineral particles, for herbicide had been applied to the test area, which would have killed the microorganisms needed to convert the granite dust into protoplasm.

Granite dust and volcanic dust contains most, but not all, of the natural elements listed in the periodic table. There is an easy method for supplementing the elements found in granite dust however. For millions of years, minerals eroded from the soil have been washed into streams and rivers, ending up in the oceans of the world. One would imagine that sea water would greatly vary in mineral composition, depending upon which minerals were deposited in specific geographic regions of the planet, but this is not the case. Just as we saw in Chapter 2 that the constituents of our atmosphere have remained remarkably constant for millions of years, thus violating

a fundamental law of chemistry, so the mineral content found in sea water remains practically constant in all the world's oceans. Any excess minerals fail to go into solution, and are deposited on the ocean floor. Sea water contains all the natural elements in a balanced proportion similar to that of human blood plasma. Plants rapidly die if table salt (sodium chloride) is applied to the soil. This was the case when Roman troops applied table salt to the fields around Jerusalem after the Jewish revolt in order to kill the crops. However, sodium chloride does not harm plants when combined with all the other natural elements in the exact proportions found in sea water.

The late Maynard Murray, M.D., conducted an intensive study into the health of land versus sea creatures. Even though ninety percent of all known creatures live in the ocean, disease is almost unknown among them. Whereas river trout normally contract liver cancer, the disease has never been found in ocean going trout. Dr. Murray concluded that the proportions of trace minerals and elements found in sea water must be optimum for the growth and health of both land and sea life. He reasoned that the increasing poor health of the masses was due to the consumption of fruits and vegetables that had been grown in very depleted soil. In consequence, the blood of humans was lacking vital electrolytes necessary for sustainable good health.

For many years, the good doctor conducted extensive research into the use of diluted sea water as a fertilizer. Whereas table salt has had many chemical elements removed, including iron, magnesium, calcium and potassium, leaving it chemically unbalanced, sea salt obtained from sea water evaporation lagoons and left untreated, makes an excellent fertilizer. Murray applied it to agricultural land in quantities ranging from five hundred to three thousand pounds per acre. One application lasted about five years. Murray also grew plants, particularly tomatoes, hydroponically, by feeding

the plants a nutrient solution consisting of 1.20 lb. of salt dissolved in 50 gallons of water, which makes for a very cost effective fertilizer.

The C3H strain of laboratory mice have been genetically bred to contract breast cancer. Dr. Murray raised some of this strain on plants grown using sea salt as a nutrient. The offspring born to these test mice did not succumb to breast cancer, as they normally would have done.

Dr. Murray found that the fruits and vegetables grown with sea salt as a fertilizer, possessed a much higher vitamin content than controls grown in soil to which artificial fertilizer had been added. Moreover, they were very resistant to high summer temperatures and also to pests. Murray sprayed plants with various harmful plant viruses. Tomatoes grown hydroponically in a sea salt solution were unharmed by the deadly tobacco mosaic virus, while control tomato plants died during the test.

The author began growing tomatoes and cabbages hydroponically, during the 1970's, suspending the plants so that the roots were periodically sprayed with a diluted sea salt solution. Suspending the plants allowed the roots to obtain oxygen from the air in between nutrient sprayings. For growing plants in a grow box five feet by 30 feet, he suggests filling the box with either a good soil rich in compost or a 50/50 blend of sand and peat moss. Potting soil purchased from a garden center is not recommended since some brands contain low level nuclear waste (amazingly, this addition is legal in America). Ten pounds of dolomite lime is then scattered evenly over the surface. Fifty pounds of granite or volcanic dust is evenly blended with eight pounds of sea salt, one half pound of micorrhizae mix, and twenty pounds of unsterilized soil free from herbicides or pesticides, and scattered evenly over the surface of the

grow box. The box contents are then thoroughly mixed and watered, and the unit is ready for sowing or planting.

After a month, the microflora in the unsterilized soil, together with the micorrhizae, will have begun to propagate. At that time, it is advantageous to add some earthworms to the grow box, together with a light top dressing of manure for the worms to feed on. Probiotics secreted by the earthworms will kill any harmful pathogens present in the growing mix. Fast growing plants may benefit from an occasional foliar feeding with the sea salt solution. Because the plants have ample nutrients available to them, they can be grown very close together—bush beans can be planted two inches apart, and tomatoes seven inches apart if pruned to a single stem. In hot desert climates tomato plants should be allowed to sprawl over the surface of the grow bed. This allows the plant foliage to protect the fruit from overheating.

The grow boxes constructed by the author included a frame about six feet in height, which was covered by a protective bird netting in the summer and polyethylene film in the winter, in order to prolong the growing season. The frames were constructed from 3/4 inch pvc water pipe and plastic pipe elbows. The author suggests attaching the aforementioned wooden stakes and the pvc frame to the inside of the grow box sides, not the outside, which is standard on the Mittleider boxes. The reason for this modification is that bird netting or plastic film will seal flush with the outside of the grow box, thus preventing small gaps adjacent to the wooden stakes through which small rodents or birds can access the boxes. Burlap or shade cloth should be applied over the bird netting during the summer months if the plants are grown in high desert areas, otherwise the soil surface will overheat and cook tender seedlings (Fig.2). Details for constructing a frame for a Mittleider grow box can be found in the book *More Food from your Garden Blueprint for a Better World*

Because this horticultural method will double or triple the yield obtainable from the same area of farmland or garden, four grow boxes five feet by thirty feet will produce all the tomatoes, melons and vegetables required to feed a family of four people. The author chose the chapter title of *Survival Gardening* not only to describe surviving bad times when food becomes scarce or almost non-existent, but also to provide humans with all the nutritional elements necessary for boosting the immune system, if deadly epidemics occur. It should be noted that unless minerals are in a colloidal form they cannot be absorbed by the human body unless they are attached to a carbon atom, as they are when we consume fruits and vegetables. When grown with the aid of rock dust and sea salt, fruits and vegetables provide us with all the necessary elements without resorting to health store minerals of questionable efficacy.³

The above described horticultural system is all very fine if one has at least a large patio or a small garden. But what about the single mother living with a limited income in a highrise with only a balcony to grow things on? How can she survive if urban warfare becomes a reality? In this situation, the remedy is to grow hydroponically. Conventional hydroponic units consisting of tanks, pumps and timers are quite expensive, as are the hydroponic nutrients, which lack many of the elements found in sea water. A very low cost system developed by the author specifically for those on low incomes consists of a shallow plastic paint pail, which fits snugly into the top of a three gallon bucket (Fig.1). American readers can purchase both items from *Home Depot* hardware stores for a total cost of less than five dollars. Numerous holes are drilled or punched into the paint pail. A piece of burlap or plastic fly screen is placed inside the paint pail, which is then filled with a blend of vermiculite and perlite. The bucket is filled to about an inch below the underside of the paint

pail with the sea salt solution described previously, and the vermiculite growing mix is wetted with the same salt solution every time it begins to dry out. Peas, beans, carrots and onions can be planted very close together with this system. The roots grow down through the burlap into the bucket. By having an air gap between the underside of the paint pail and the surface of the salt solution, the plant roots can obtain needed oxygen from the air. A surprisingly large crop of peas can be grown by this method at very low cost.

If balcony space permits it, dwarf fruit trees can be grown in tubs filled with the aforementioned grow bed planting mix. If not, a five gallon pail filled with the grow bed mix would grow one of the hardy varieties of kiwi fruit. Unlike the fuzzy skinned kiwi fruit sold in supermarkets, the skin of the hardy varieties is edible. All varieties except *Issai* require a male plant for pollination. The *Issai* variety requires a sunny location and is hardy to minus ten degrees Fahrenheit. For north facing balconies, *Arctic Beauty* is suitable and also has very decorative leaves. It is hardy to minus forty degrees. The vines can be trained along the balcony edge, each one producing at least one hundred pounds of fruit if well grown. *Hardy Kiwi* vines, a native of Siberia, are very pest resistant. With a little ingenuity even a small balcony in a highrise apartment complex could accommodate two or more kiwi vines, the fruit becoming a very useful barter item in times of extreme crisis.

Those readers who have small gardens large enough to accommodate the growing of small fruit trees and shrubs, and live in areas where the winters are severe, should consider what varieties of fruit they will be able to grow if supermarket fruit such as citrus become unavailable during emergency conditions. *Pawpaw* is a good fruit tree for colder climates since it is hardy to at least minus twenty degrees Fahrenheit, but also grows

well in Southern California, in the shade. Bearing a prolific crop of fruit weighing nearly one pound apiece, the fruit trees require cross pollinating. If citrus fruit becomes unavailable for purchase in colder climates, an alternative, but little known source of vitamin C is the *Sea Berry*. A native of Central Asia, the *Sea Berry* is a decorative bush whose prolific red berries possess a vitamin C content seven times that of lemons. *Sea Berries* are grown commercially in Eastern Germany as a substitute for orange juice. Hardy to minus forty degrees Fahrenheit, the bushes need male pollination, are disease and drought resistant and will even grow on coastal sand dunes. An added benefit is that the bushes fix nitrogen in the soil. The *Pineapple Gnava* is another valuable survival fruit for areas where the temperature does not fall below plus five degrees Fahrenheit. A self fertile variety of this drought tolerant plant is *Coolidge*.⁴

If America and western Europe become battlegrounds, as seems likely, fuel for lawnmowers will become unavailable and front lawns will become overgrown with weeds. This will enable the knowledgeable gardeners to convert their front lawns into covert vegetable gardens. Obviously people scavenging for food would recognize vegetables growing in neat rows and presumably help themselves. The practical solution to the problem is to scatter vegetable seeds in isolated areas of the garden, so that a small patch of carrots grows next to a squash plant and a small patch of onions, with perhaps tomato vines sprawling along the ground adjacent to a variety of herbs. Such a garden would appear to most strangers as an apparently tangled mass of weeds.

People living adjacent to vacant lots in arid areas could try growing a crop of millet. Millet is not only drought resistant, it grows well on impoverished soil, and is more nutritious than other grains. Stevia plants can be grown as a powerful sweetener, if honey is

unavailable. Although not a garden plant, in times of extreme crisis, it is well to know whether bull rushes (cat tails) grow in the reader's vicinity, since the roots and young shoots are edible, as is the pollen, which can be used to supplement flour.

Most readers of this book will be familiar with Findhorn, the Scottish coastal commune created by Eileen and Peter Caddy. Nature spirits purportedly assisted in the growing of gigantic vegetables in the Findhorn vegetable gardens. Today, the vegetables grown at Findhorn are of normal size. Whether or not some type of nature spirit was present at Findhorn, vegetables would be expected to grow very large there in any case, because the gardeners used seaweed as a compost and mulch. Seaweed contains all the elements contained in sea water, so the plants were able to receive all the nutrients essential for very large growth. As the community prospered, it would appear that the compost was prepared from normal vegetable waste, not seaweed. In consequence, the sea water elements were gradually leached from the soil thus diminishing the size to which plants could grow.

The author suggested in his previous book that a celestial event which occurred six thousand eight hundred ago, caused the oceans to inundate most of planet Earth's land masses. This catastrophic happening would have refertilized the land with sea salt which presumably would have been suitably diluted by rainfall in time, resulting in an efficient plant nutrient, necessary for enabling new plant life to assist in the rebuilding of the devastated soil. With the passage of time, too many precious minerals have been leached from what remains of the planet's topsoil. The author hopes that future agronomists, foresters and home gardeners will utilize the type of nutrient blend described above, instead of artificial fertilizers. Sadly, rock dust is viewed by gravel companies as a nuisance byproduct arising from rock

crushing operations. At the present time enough rock dust is generated each year in America to fertilize some ten million acres, if farmers could be taught the advantages of mineralization over the presently adopted artificial fertilizer based agronomy. By the same token, there are ample lagoons throughout the coastal regions of the world where sea water evaporation systems could be established. After all, since the ocean's minerals were once part of a land mass, isn't it about time that we returned them to their place of origin, so that the greening of planet Earth can begin in earnest?

If, as the author suspects, America and western Europe are likely to be invaded by China and Russia within the next decade, urban infrastructures such as water works and energy utilities will become prime targets, as were the ones in Iraqi cities during the first Gulf War. Even though the grow box garden requires sixty percent less water than a conventional garden, it behooves the survival gardener to consider drilling a well. If the water table is within twenty feet of the surface and the ground is free from rocks and hard clay, a well can be sunk by hand using a steel well point, one and a quarter inch diameter steel well pipe, pipe wrenches, and a heavy sledge hammer. Many rental stores rent power heads and augers, while drilling rigs capable of drilling to a depth of two hundred feet (through rock if necessary) can be purchased for approximately four thousand US dollars.

Meat eaters can benefit by raising rabbits since rabbit manure makes excellent compost. A buck and three does is a good combination since a doe will frequently mate again within a week of giving birth. Pigeons are a good source of protein if they can be persuaded to roost in one's garden, since a female pigeon usually lays two eggs eight times a year. Pigeons are smelly and carry many types of parasites and viruses, so should be roosted as far from the home as possible. Pigeons will forage for

their own food and water. A bat house is useful if the creatures have been seen in the vicinity since they are prodigious consumers of insect pests. Contrary to popular belief, the incidence of rabies in bats is no greater than in any other species of creature.

A survival garden is only of use if one has the means to defend it if hostilities break out in one's own country. In 1991 the military forces of Slobodan Milosevic attacked Slovenia. The ill-fated attack was beaten back in only a few days by the Slovenian army, which primarily consisted of well armed local militias, not regular soldiers. The ruthless Milosevic then successfully invaded Kosovo, where the populace foolishly and incorrectly believed that their government would protect them, instead of having had the foresight to protect themselves. An attack on America by China and Russia would be most likely to occur at a period when the U.S. military is fully entrenched in a Middle Eastern war involving nuclear tactical weapons, and therefore too depleted to defend its own populace against a surprise nuclear attack. The author believes that it is incumbent for the readers to be able to defend themselves in such a situation, where the national guard will be unable to stop the three million strong Chinese troops, some of whom are already in place just south of the Mexican border. Arming oneself with guns is of little use if Chinese or Russian troops kick one's door down in the middle of the night. Even if one is awake at such an hour, shooting with a gun at soldiers clad in battle armor is foolhardy, to say the least. One has a much better chance of survival in such a situation if one has a weapon which is silent, uses no bullets and has no tell tale flash. Such a weapon is the maser. By placing a maser so that its magnetron orifice is pointing at one's bedroom door, one simply has to reach for a home remote appliance controller to activate such a device. Even before any troops reached the bedroom door, their

brains and other vital organs would have overheated, and they would stack up like cordwood at the door. The homeowner would not even have had to get out of bed. If every homeowner in America knew how to construct such a weapon, no foreign power would dare to risk an invasion force. Moreover, possession of such weapon systems by the adult population would tend to keep honest any politicians with treason on their minds.

That's all very well you say, but where does one purchase the components to make such a deadly weapon? You probably have all the components in your home already, dear reader. They are in your microwave oven; moreover, one does not require any electrical skills to construct such a maser. It must be emphasized that ownership of such a weapon is highly illegal. It therefore behooves one to know how to construct a maser at short notice if the nation is attacked. Construction is very simple and assembly instructions can probably be found by searching the internet. Such a maser can be powered by a small twelve volt battery and an inverter in case electrical power outages occur. More powerful units incorporating the magnetron from a five thousand watt commercial microwave oven, as used in restaurants, will ignite wood at five hundred feet. In addition to being silent and lethal, one does not require the marksmanship skills that are required to hit a target with a rifle or handgun. One simply has to aim in the general direction and press the button and the intruder is dead, even if he or she is wearing body armor. For those possessing electronics skills, d.c. powered beam weapons pulsing in the nanosecond range are quite straightforward to construct, and are capable of penetrating metallic armor and shooting down aircraft.

Enemy platoon leaders do not like to be out of radio communication with their command post. For those with an electronics background, construction of a radio transmitter designed to jam all radio communication

within a four block radius of one's home is also a worthwhile survival device to construct. A defensive device involving a more complex electronic circuit is a psycho-acoustic unit. This device prevents a soldier from hearing communication through a headset at a range of one hundred yards, and causes the person to become disoriented. Protecting one's survival garden may require such drastic defensive measures, otherwise one will almost assuredly starve or become a refugee during a period of armed conflict.

Chapter 8 Into the Vortex

*The reverence for the truth demands we say again:
Galileo was incorrect; Newton was incorrect, and
Einstein was incorrect. Clearly, the electron theory is
wrong, and nuclear theory is very, very wrong. We have
proven them invalid.*
—Lloyd Zirbes

The methodical research and vision of Viktor Schauberger bestowed upon us as a legacy, a new and deeper understanding of nature. It also would be advantageous if present day physicists could provide us with an equally clear understanding of exactly what electricity, magnetism and gravity are and even perhaps, an unravelling of the mysteries of the paranormal. Sadly, for the past century mainstream theoretical physicists from Einstein, Hasenorhl, Kaluza and Klein in the first two decades of the twentieth century, to the superstring aficionados of the present era, have been floundering in a quagmire of increasingly nebulous and improbable theories concerning these invisible, yet none the less real, curiosities of the universe.

The reason physicists are unable to arrive at a meaningful consensus as to what are electricity, magnetism and gravity is simple: mainstream science has divorced itself from nature, as exemplified by the nonsensical statement that the German physicist Max Planck made to Hitler: "Science has nothing to do with nature," Until scientists discard the shackles of dogmatic thought and establish an attunement with nature, they will fail to realize that the key which unlocks the mysteries of not only nature, but also serves as a portal

between the physical and non-physical realms, is the vortex.

The vortex, in one form or another, permeates throughout nature and the cosmos; we see it in the spiral geometric arrangement of seeds in the sunflower or pine cone, and in the configuration of sea shells and spiral nebulae. The vortex is easily observed in tornadoes and hurricanes, but what is less well known is that birds and insects accomplish flight by means of vortices generated in the air adjacent to their wings. Viktor Schauberger utilized the longitudinal vortex in his flood control and water purification systems, and successfully employed vortex technology in his flying saucer propulsion devices. Since it is readily apparent from the research of Viktor Schauberger alone, that at least a rudimentary knowledge of vortexial mechanics is essential in order to unravel the greater mysteries of the universe, isn't it ludicrous that for the past century mainstream science has ignored the importance of the vortex in the general scheme of things?

Until the mid 19th century, the belief that atoms were composed of minute spheres of solid matter, formed the bedrock of scientific dogma. This false dogma had been given additional impetus by Sir Isaac Newton, who wrote that God had formed matter as hard, impenetrable, solid particles in perpetual motion. That mistaken belief structure changed one cold winter evening in 1867, when the distinguished British scientist Sir William Thomson (later to become Lord Kelvin) addressed the Royal Society of Edinburgh. Born in Ireland in 1824, Thomson was a child prodigy who entered university at the tender age of eleven and later pioneered the laying of the first successful trans-Atlantic cable. A scientific maverick, Thomson was troubled that the scientists of his era could not explain the permanence of the atom; all he found acceptable concerning contemporary atomic

theory was that atoms had to exhibit elasticity in order to explain the behavior of gases.

On that fateful evening in Edinburgh, Thomson produced a box which he had constructed for the purpose of generating smoke rings. As the intrigued audience of his scientific peers watched, Thomson demonstrated that the toroidal vortex rings of smoke emanating from his apparatus behaved exactly in the manner of atoms: they did not merge if they collided with one another. Instead, they bounced off each other in an elastic manner. Moreover, their apparent solidity was merely an illusion caused by the vortexial motion of the smoke particles. The experiment, concluded Thomson, illustrated that atoms derived their properties from vortexial spin.

Thomson's experiment convinced his peers to adopt the atomic vortex theory propounded by Thomson. A major problem remained however: the smoke rings lacked the permanence of atoms. Thomson was a friend of the brilliant German scientist Herman von Helmholtz, (1821-1894) who had been studying vortexial motion in fluids.¹ Helmholtz had deduced that a vortex spinning in a frictionless medium would have permanency and not disintegrate. In Thomson's day, it had been accepted in scientific circles that the universe was pervaded by a frictionless medium called the aether; Thomson concluded therefore, that light was a wave manifesting in the frictionless aether, while physical matter was simply vortexial motion.

Thomson's concept of the vortex atom was championed by such great scientists as James Clerk Maxwell (1831-1879) and Sir J.J. Thomson (1856-1940) who was the discoverer of the electron. Both the Thomsons became honored for their outstanding contributions to science by being made members of the

prestigious Order of Merit and both were buried in Westminster Abbey.

The atomic vortex theory held sway until the dawning of the twentieth century, when Einstein and Hasenohrl both independently of each other introduced the famous equation energy equals mass times the velocity of light squared ($E=mc^2$). Shortly thereafter, the world of rational scientific thought imploded inwardly upon itself, and Albert Einstein became the demi god of mainstream physics, which promptly and foolishly abandoned the atomic vortex theory of energy and motion.

The best that can be said about Einstein's equation is that it illustrates that mass can be converted into energy, provided that the mass has been imbued with energy from the cosmos. Unfortunately, a nuclear explosion only releases a fraction of the energy predicted by the Einsteinian equation, implying that Einstein's *Special Theory of Relativity* is seriously flawed. Another problem is that although Einstein's theory assumes that the velocity of light is a constant, the U.S. Office of Naval Research has experimentally determined that the speed of light varies. Felix Ehrenhaft, while a physics professor at the University of Vienna in 1949, conducted an experiment in which very minute particles of matter were sealed inside glass tubes, some of which contained a high vacuum, while others were pressurized. When the tubes were subjected to concentrated light of various frequencies, the minute particles were propelled in a spiralling manner under the influence of the light, a phenomenon known as photophoresis.

The experiment demonstrated that light does not travel in the manner of a normal transverse wave, but rather as longitudinal vortexial waves, the radius of the spiral path taken by the light wave varying according to

the frequency. Professor Ehrenhaft's experiment demonstrated that the time taken for light to travel a given distance along an axial path would vary according to the radius of the longitudinal vortex and its angular velocity, thus demonstrating that the speed of light is a variable.

Another problem with the Einstein equation is exactly what did he mean by the term "mass"? Einstein used the erg as a value for energy in his celebrated equation. One erg is a unit of energy equal to the work done by a force of one dyne over a distance of one centimeter. Ten million ergs are equivalent to one joule, which is the equivalent to the flow of 6.28×10^{18} electrons, which possess a total weight of 5.708×10^{-12} kilograms. Here we are on the slippery slope known as mainstream science, for where there is weight there is mass. A fundamental flaw in Einstein's equation is that one gram of mass on the surface of planet Earth at the equator, weighs one gram, but in deep space that same mass has a weight value of zero, while on the lunar surface it would weigh something different again. According to Einstein's equation, since mass has an equivalent weight of zero in deep space, nuclear technology could not function in space, yet in 1958, three hydrogen bombs were exploded in space, beneath the lower area of the Van Allen belts, as part of the irresponsible Project Argus experiment, thus again illustrating a problem with Einstein's equation which has conveniently been swept under the academic rug.

With the advent of Einstein's famous equation, and the dismissal of the vortex atomic theory, mainstream physicists were faced with the dilemma of explaining exactly what matter is and how it can be totally transformed into energy. We are still waiting for their answer. Even if mainstream physicists knew the answer, it is information that the Illuminati hierarchy and its military/industrial complex intends to withhold from the

public, for it is information which would facilitate the development of efficient free energy systems throughout the public domain, thereby negating the geopolitical influence of the energy cartel. It is a tragedy for humankind that $E=mc^2$ has become the root from which an insidious plant known as mainstream science has grown, and is being jealously protected by the Illuminati and its corrupt military/industrial complex. Until this toxic plant withers and dies there will never be a paradise on planet Earth.

If we are to acquire a meaningful understanding of nature and the cosmos, it behooves us to take a closer look at the structure of the atom and its relationship to the vortex. The fundamental problem with the atomic vortex theory of Lord Kelvin and his 19th century colleagues was that they believed that atoms were vortices in a universal sea of aether, not realizing that a sub atomic particle composed of nothing except a vortex of energy would require no aetheric sea to exist in. Einstein complicated things by suggesting that matter is frozen energy, which is erroneous, since the energy comprising matter expresses itself in the form of dynamic vortical flow. This vortical form is well evidenced in images of the vortical flow of sub atomic matter obtained by means of bubble chambers, where the vortical flow of such so-called "particles" conforms to the golden mean ratio 1:1.618. Note that this form of spiral repeats its proportions infinitely, no matter how large the spiral becomes, which is why the arms of some spiral galaxies are also in accordance with the same mathematical ratio.

In addition to Viktor Schauberger, several other maverick and visionary scientists, e.g. Derek Bond and T.J. See, have extended our knowledge of vortical physics.² In considering the role of the vortex in the physical universe, it is evident that a vortex consisting of energy is either finite or infinite. If it is finite, it would

originate then ultimately terminate. In accordance with the law of conservation of energy, energy does not terminate—it merely changes its form under certain conditions. Since energy is infinite in nature it also must possess infinite potential, which enables it to generate harmonics of itself, in the process modulating or demodulating into various spectrums (dimensions) and becoming more, or at other times, less complex. Everything in the universe consists solely of energy and motion, even thought.

It is commonly taught in science classes that Galileo studied the acceleration of free falling bodies. In actuality, he did no such thing, confining his experiments to merely rolling balls down inclined planes. Horrified to discover that Galileo didn't conduct any actual tests involving falling bodies, American scientist Lloyd Zirbes and his team conducted a series of tightly controlled experiments, in which hollow spheres of equal weight and diameter but composed of different materials, including iron, aluminum, brass and carbon, were dropped simultaneously down a two thousand foot mine shaft in Minnesota. High speed cameras located at the base of the shaft recorded the moment of impact of the spheres. Very surprisingly, the carbon sphere reached the bottom of the shaft first, followed by the aluminum, then brass, and finally the iron sphere, which arrived some six feet after the carbon sphere had impacted. The test, repeated many times, demonstrated that different elements accelerate at different rates, when falling through the same gravitational field.

In another experiment, two iron spheres of equal size and weight, were placed six feet apart at the top of the shaft, then simultaneously dropped. Both reached the impact plane simultaneously, but had diverged to a distance of fifty feet apart. We can conclude from this test that identical falling bodies repel each other if spaced apart at the commencement of the drop.

Interestingly, prior to the test, a line was painted around the equator of each sphere. The camera revealed that during the descent both spheres rotated in the same direction, the axis of rotation being aligned with the geomagnetic poles of the Earth.

also conducted a controlled drop test in which, prior to the drop, twenty identical iron spheres were placed in a pyramidal configuration contacting one another. During the fall the spheres remained in contact with each other, but rearranged themselves into a sphere.

After concluding his falling bodies experiments, Lloyd Zirbes conducted a most interesting experiment in which an iron ball was attached to each end of a beam twelve feet in length. The beam was mounted on a pedestal and rotated horizontally by means of an electric motor. An antenna connected to an amplifier and oscilloscope was placed adjacent to the circle of rotation, in order to detect any energy field generated by the rotating balls. As the rotating balls passed close to the antenna the oscilloscope displayed a donut shaped image, indicating that a body in motion produces a field or force of a type which has not been identified by mainstream science.

The intrepid Zirbes then positioned two of the rotating devices such that the iron balls passed each other traveling in opposite directions. The gap between adjacent balls was only a quarter of an inch. The same antenna and detection equipment was used to monitor the experiment. As the two adjacent balls passed each other a tremendous thump was heard, which shook the test stands (the pedestals were mounted in concrete). When the opposing balls approached each other, the oscilloscope showed a series of donut shaped images, which changed to a sine wave at the moment that the balls were closest to each other. The ingenious experiment revealed that the field and/or force

surrounding a body in motion repels a like field which surrounds a second body in motion. The field is not polarized until it contacts the field surrounding a second body in motion, at which point the fields unite to produce polarized energy as exemplified by the oscilloscope's momentary sine wave images.

The experiment was repeated with various rotational speeds and varying gaps between the two passing balls. It was found that the audible intensity of the thumping noise increased as the square of the rotational velocity, and decreased as the square of the distance between the two passing balls.

Zirbes found that all the experiments described above were reproducible. This suggests that Galileo's suppositions concerning falling bodies—the cornerstone of physics, are seriously flawed. Sir Isaac Newton based his work on that of Galileo, just as Einstein and his successors have based their theories on the efforts of Newton. We are accordingly faced with the inescapable conclusion that since Galileo's suppositions are badly flawed in light of Lloyd Zirbes meticulous experiments, it implies that the various technologies upon which humankind has become dependent are also based upon very questionable theory.

Lloyd Zirbes' momentous discoveries clearly demonstrate that the force which unifies all things is motion. Zirbes devoted the last twenty five years of his life to analyzing and applying the results of his experiments. Realizing that Newton's gravitational studies were badly flawed, Zirbes, with woefully inadequate funds, scoured junkyards to find components suitable for him to construct equipment which enabled him to investigate gravity. Eventually, Zirbes was able to develop an electromagnetic device which actually produced gravity. Even though the hand fabricated equipment was crude, it caused everything in his

workshop that wasn't bolted down to degravitate and fly around and Zirbes was seriously injured by flying debris. While he was hospitalized, his workshop was destroyed by an arson fire. On several occasions Zirbes had invited numerous physics professors to observe his experiments, yet none of these contemptible and closed minded persons accepted his invitations. Despite his momentous discoveries, Lloyd Zirbes died without his work ever being published.

One balmy evening about six years ago, the author attended a party held at a mansion in Santa Barbara, California. The author was sitting in the garden with friends when a stranger approached him from out of the darkness. The stranger apologized for crashing the party and said that he felt compelled to give something to someone and intuitively felt that the person was the author. He handed the author a package and left. Upon opening the package, the author discovered that its contents were research papers written by Lloyd Zirbes!

In keeping with the work of such scientific giants as Nikola Tesla and Viktor Schauberg, the research of Lloyd Zirbes will have a profound effect upon technologies brought forth by future generations of scientists, if they become acquainted with Lloyd Zirbes' experiments, for practical applications of his research would enable us to create communication systems (audio and video) based upon the broadcasting of gravity instead of electrons, anti gravitic systems for space travel, free energy systems and the ability to rearrange the atomic structure of matter by means of injected gravity.

All bodies, regardless of whether they are a planet or a sub atomic particle, are in motion and are influenced by gravitational fields. In the case of the Milky Way galaxy, the primary gravitational field is that of the universe, whereas the sun's gravitational field influences

planet Earth. All bodies of matter are attracted toward the center of the gravitational field through which they move, but possessing their own weaker gravitational fields, which offer a repulsive force to that of the more powerful gravitational field, adopt a stable orbital path around the source of the stronger gravitational field. Zirbes' experiments demonstrated that as a body falls it expels a force of extracted energy along the leading edge of the fall, which causes the body to rotate in the direction of the extraction. This extracted energy is expelled from the equatorial region of the body (the Bloch wall), then flows over the surface of the body to re-enter the body at the poles. According to Zirbes, the extracted energy is gravity. The centrifugal force exerted on the rotating body also causes an ejection of mass from the body. Zirbes claimed that mass in motion was magnetism and that protons and electrons were clusters of sub atomic particles in motion. He stated that an electron was composed of eighty one such bodies while protons and neutrons each possessed twenty two thousand individual bodies, identical in composition to those comprising electrons. These bodies would correspond to the gluons of quantum mechanics and explains why a proton or ion has a much greater mass charge than an electron.

The brilliant 19th century mathematician Georg Riemann achieved fame in the academic world by creating a metric tensor which allowed any point on a curved surface composed of four dimensions, to be defined by a collection of ten numbers. Reimann postulated that the warping of space created the apparent appearance of forces which are purely imaginary. He was unable however, to explain how gravity, electricity or magnetism were able to accomplish the warping of space.

Einstein applied Reimann's metric tensor to his own concept of warped space and hypothesized that the

degree to which the space surrounding a body is curved is dependent upon the mass and energy inherent in that body. He was aware that the sun warped the path of light emitted from distant stars, thus creating an illusion of their true location, when viewed from Earth. He theorized that the distortion of the light path was caused by the curvature of space in the vicinity of the sun. His hypothesis concerning the warping of space is generally accepted as correct by present day theoretical physicists and mathematicians presumably because experiments, conducted during solar eclipses, have revealed that the light emitted from distant stars is indeed distorted in the vicinity of the sun.

There is an alternate explanation for this occurrence however. The experiments of Lloyd Zirbes and his scientific team demonstrated that a rotating body expels extracted energy that forms a field which we call gravity, the strength of which is determined by the permeability of its mass and angular velocity of the body. The author suggests that it is the gravitational field of the sun that distorts the path of starlight, not the presence of curved space. In other words, curved space may only exist in the fertile imagination of mathematicians and theoretical physicists, not in the physical universe.

Einstein's perception of a gravitational field postulates that planets orbit the sun because the sun has warped space in the vicinity of the sun. If we were to place a bowling ball in the middle of a very taut rubber membrane, the heavy bowling ball would make a depression in the rubber membrane. If we then rolled a marble towards the bowling ball, the depression in the rubber membrane would cause the marble to orbit around the bowling ball. The falling body experiments of Lloyd Zirbes suggest that planets in the solar system orbit the sun, not because of the influence of warped space, but because the gravitational field generated by a rotating body repels the gravitational field of an adjacent

body. If Einstein's conception of curved, or warped space was incorrect, it has serious repercussions for the validity of the various string theories currently in vogue such as the herotic string theory, which proposes a closed string possessing clockwise vibrations operating in ten dimensional space and counterclockwise vibrations which manifest in a twenty sixth dimensional space. If Einstein's theory of gravity is omitted from the various string theories, they become mathematically inconsistent and ineffective.

Proponents of the atomic vortex theory depict physical matter as being composed of funnel shaped vortices of energy. Lloyd Zirbes, on the other hand, claimed that atoms were composed of spherical corpuscles of energy. Although both of these conceptions of the atom appear to be at variance with one another, the author feels that this really is not the case. Some balls of string sold commercially, are wound in the form of a sphere with a hole running all the way through it. A ball of string wound in this spherical manner enables the user to unwind the string by reaching into the hole running through the axis of the ball, and pulling out the end of the string that initiated the winding of the ball. If, before the ball of string was removed from the machine that wound it, the beginning end of the string was unwound at the same rate that new string was being wound onto the ball, the ball of string would always remain the same diameter until motion ceased.

Now let us consider a sub atomic "particle" or corpuscle composed of a string of pure energy and wound in the same configuration as the ball of string. As previously stated in this chapter, the United States Office of Naval Research (ONR) has demonstrated experimentally that the velocity of light is not finite. Another experiment conducted at an ONR laboratory by the late Dr. Freeman Cope clearly demonstrated that tachyons in the form of electromagnetic dipoles, also

travel at speeds exceeding that of the stated velocity of light. The author hypothesizes that our string of pure energy originates in a realm of existence or dimension which transcends the space-time continuum of our physical universe, and oscillates at an incredibly high frequency. When this energy string slows to a velocity equal to or slightly less than the normally accepted speed of light, it forms, together with other energy strings of similar frequency, vortical wave packets of energy we erroneously perceive as a sub atomic particle. Depending upon their frequency these vorticle energy packets would not be at variance with the warmth, chemical, light and life ethers propounded by Dr. Rudolf Steiner, founder of the Anthroposophy movement.

When we wind a ball of string by hand, our hands are describing a vortical motion, and the same applies to our energy string as it slows and demodulates to form a sub atomic "particle" ball. Sub atomic energy balls possessing different frequencies will impart different characteristics to atoms, thus creating the various elements found in the physical universe. The energy string entering the ball will have a different spin direction to the energy spin of the string exiting the ball on its way back to its source in a higher dimension. No energy is consumed, it only changes its form as it transitions from the non-physical to the physical realm, thus invalidating the Law of Entropy which is also invalidated by proven free energy devices. The author hypothesizes that the spin of the energy string in one direction manifests as electrical flow, while the spin in the opposite direction creates magnetism—gravity resulting from electromagnetic imbalance or compression of the electromagnetic force, as spin energy ejected from the equator (Bloch wall) of the "particle" re-enters the "particle" at the polar axis of rotation. We see the latter phenomenon evidenced in electric motors where magneto-gravitational displacement of mass

causes the motor's rotor to rotate. According to the author's postulate, the electrical and magnetic components would not appear together in the space time continuum of our physical universe, but would alternate at a very fast rate, the magnetic component being ninety degrees out of phase with the electrical component, which is why the magnetic field manifests at right angles to a conductor through which electricity flows. Presumably, the information and energy comprising the electrical component and the information and energy which comprises the magnetic component cannot co-exist in the same space and time.

As the string initially enters the space/time continuum of the physical universe it is in a "time forward" mode. As the string exits the sub atomic ball however, it will experience a backwards flow of time as it returns to its higher realm from whence it originated. The "time forward" and "time reversing" portions of the same energy string comprise a longitudinally polarized phase conjugate system and does not conflict with the views expressed by E.T. Whittaker in 1903 concerning scalar potential. It was stated previously in this chapter that in 1949, Professor Felix Ehrenhaft conducted a photophoresis experiment which suggested that light travels in a longitudinal spiral path. The author suggests that the energy string which forms the sub atomic ball travels in a similar longitudinal spiral manner. The distance travelled per spiral revolution will increase dramatically as the string begins to wind itself into what we perceive as a virtual "solid" sub atomic particle. If the angular velocity of the energy string remains constant, the time taken for the energy string to *axially* travel one spiral revolution (one wavelength) will increase accordingly, then decrease again after passing the equator of the ball. This explains why the axial velocity of the energy string decreases as it creates the

wave form of the sub atomic ball after entering the physical universe.

In all probability, the strings are not taut as are the strings of a musical instrument, but rather occur as extremely small discrete packets of pulse modulated pure energy and information heterodyned together, with the energy and information contained therein transmitted to the next discrete packet by means of resonance. The extremely sophisticated experiments of physicist Dr. George Merkl revealed that light consists of incredibly small crystals. It follows that the packets of energy and information comprising the strings of the author's postulate, may also be of a crystalline nature. Such crystals would be oscillating at frequencies far greater than that of visible light and accordingly would be undetectable by means of conventional laboratory equipment. The author surmises that such crystals would possess an octahedral geometry, since the octahedral crystal has perfect internal symmetry. Crystals also possess the capability of storing and regulating information, as has been found to occur in nickel cadmium batteries which possess a re-charging memory, i.e. the batteries can only be charged to the level of the previous charge.

The experiments of Lloyd Zirbes revealed that the rate of acceleration of a falling body was dependent upon its molecular structure and that a rotating body developed an energy field around itself, the field strength being dependent upon the permeability of the material to the energy flowing from the center of the mass. This means that gravity is not dependent upon a volume of mass, but rather on the permeability of the mass to the energy flowing through it. When atoms are in coherent alignment, as in a magnet, their field strength is intensified and accordingly attract physical matter whose atoms are composed of wave forms of similar frequency but also of lower energetic levels, e.g. iron.

In order for an atom to remain stable, all the various vortical wave forms which comprise the various sub atomic virtual particles of the atom must possess various frequencies which are harmonically resonant with one another, otherwise the atom would disintegrate. Each vortical string contains astronomical levels of energy. When such a string is deliberately broken either by nuclear fission or by nuclear fusion, this tremendous energy is released in an incoherent manner and is totally incompatible with the ordered functioning of planet Earth. Being very tightly condensed, this released energy, which originated in a higher realm of existence, takes an extremely long time to dissipate in the form of nuclear radiation, which is why so-called radioactive particles (actually wave packets of energy) possess such long half lives.

The energy fields generated by the energy strings can impart energy to one another provided that their frequencies are resonant and their polarities are in phase, in which case new harmonic wave structures are formed. Conversely, if the frequencies are resonant with one another but the polarities are dissimilar, the energy fields will repel one another.

Mainstream science hypothesizes that the energy generated by stars, including our sun, is due to a nuclear proton-proton fusion reaction. Inconsistencies observed in solar phenomena render this hypothesis untenable, for liquid gallium detectors reveal that solar emissions of neutrinos are far less than would be the case if the sun was a gigantic fusion reactor. In addition, such a fusion reaction would be too chaotic to account for the regular sunspot cycle; moreover, mainstream science has yet to explain satisfactorily how such a fusion reaction could be adequately contained.

The falling bodies research of the late Lloyd Zirbes provides us with a possible insight as to solar energy

production. The late Dr. George Merkl, a brilliant physicist and also an accomplished Sumerian scholar, proposed that solar energy was generated by *mechanical* means, not as the result of fusion reactions. This becomes quite a plausible theory if we imagine our sun to possess a gigantic rotating core consisting of a multiplicity of rotating spheres. Due to their rotation and dissimilar polarities, each sphere would possess an energy field which would repel adjacent rotating spheres. The gigantic rotating core would possess a composite gravitational field which would be the primary gravitational field of the entire solar system. Surrounding this core would be thousands of smaller rotating bodies which would orbit the central core at varying orbital velocities, depending upon their radial distance from the core.

It was previously mentioned in this chapter that an audible "thump" was heard when two rotating iron balls passed close to each other during one of the Zirbes experiments. The audible sound was the result of the shearing of the energy fields which surrounded each of the rotating iron balls. During the test, the oscilloscope revealed that the interaction of the two energy fields resulted in the momentary image on the screen of a sine wave, indicative of the release of polarized energy. In a similar manner, the violent interaction of the energy fields surrounding the individual bodies comprising the sun would result in the release of tremendous polarized energy. What has indeed been monitored on earth is the emanation from the sun of continual emissions of energy in the form of dipoles. When the solar dipoles encounter the earth's geomagnetic field, many are sheared, resulting in separate north and south monopoles. The north monopole energy plays a role in the photosynthesis of plants, while the south monopoles stimulate root growth. The dipoles are also sheared by coronal discharges.

The reader is probably cognizant of the toy consisting of a row of steel balls, each individually suspended from a frame by two strings. When the ball at one end of the row strikes the next ball in line, kinetic energy is transmitted through each ball in turn without them moving. Only the impacted ball at the far end of the row moves. This is analogous to the manner in which water molecules in the ocean transmit wave energy, each individual water molecule remaining virtually motionless as it assists in creating wave motion. Thus the wave form travels, but not the individual water molecules. Nineteenth century scientists accordingly thought that individual energy vortices had to exist in a universal sea of a frictionless "something," which they termed the aether.

In our model of the vortex atom, the individual energy strings return to their source, so the concept of an aetheric sea becomes redundant, since the energy contained in the strings emanates in a dimension beyond the confines of our physical space/time continuum. According to atomic vortex proponent Derek Bond, time expresses as a cyclic, vortical motion and is linked to all energy in the infinite multiverse. This accords well with the vortex theory presented in this chapter. We would speculate that time is linked to many different frequencies, and when it oscillates at frequencies greater than that of light, past, present and future may occur simultaneously.

From an esoteric standpoint, we have to question how a supposedly inanimate object such as a crystal knows how to grow in a specific geometric configuration. In a previous chapter we saw how Rupert Sheldrake proposed that a resonant informational field controlled the manner by which morphogenesis—the determining factor in the growth and shape of organisms, occurred. He suggested that a morphic field was a non material region of influence extending in

space and continuing in time. Information also was presented concerning the method by which George Lawrence detected the reception by plant growth of intelligent information emanating from some unknown source in the cosmos. The author accordingly suggests that all matter in the physical universe is imparted with information via the aforementioned energy strings, and that this information emanates from a Supreme Intelligence. It is also proposed that the energy strings resonantly link everything that exists in the physical universe. Because the strings are intelligently controlled from a higher vibratory dimension, order exists throughout the universe except when for instance, destructive energies emanating from nuclear reactions are released.

What we can conclude from the atomic vortex hypothesis postulated in this chapter is that everything in the universe, including thought, is energy, which in turn owes its existence to motion. Energy is infinite and, although it has the capability of changing its form, it never terminates. Since it is perpetual it invalidates the Big Bang theory because there could never be any primordial matter if energy is infinite (in all probability, the universe expands and contracts in a cyclic manner). The Heisenberg Uncertainty Principle claims that the propagation and direction of a particle of matter cannot be determined. If, as the author postulates, sub atomic vortices are linked to a higher intelligence which directs their activity, the Heisenberg Principle is invalid. The vortex theory also suggests that magnetism, electricity, gravity, mass and inertia all emanate from a single unifying energy source, thus facilitating operational coherence throughout the universe. The author postulates that energy also manifests in the form of love. So what exactly is love? Strangely enough, love is not merely an abstract expression, for when the bioenergy fields of two people are in resonance with one another,

the brain of each person produces a chemical called phenylethylamine. If the brain ceases the production of the chemical, love ceases. This particular chemical tends to inhibit rational thinking to some degree, hence the expression "love is blind."

If the fundamental tenets of the author's atomic vortex theory are valid, then we may expect that vortex atoms oscillating at frequencies higher than that of visible matter, could comprise the various mental and emotional energy bodies which clairvoyants claim to observe surrounding humans. Since the vortex atoms would possess their own reality, such energy bodies surrounding humans would also have a reality of their own, but would be in resonant communication with our physical bodies by means of those rotating energy vortices known as chakras, which connect with the physical endocrine glands. The endocrine glands are probably receptors which translate the incoming ultra-high frequencies emanating from beyond the space/time continuum into biological signals appropriate for the human nervous system. Some medical practitioners refute the established belief inherent in conventional medicine that germs and viruses cause illness, claiming instead that such so-called pathogens are merely scavengers of dead toxic cells. They could well be correct, for electromagnetic pollution from electrical powerlines and microwave sources, together with ingested chemical toxins, may inhibit the resonant informational exchange between the physical human body and our various non-physical energy bodies. The atomic vortex theory would also explain why polarity healing and radionics therapies can alleviate illness.

The atomic vortex theory would also suggest that realms of existence also occur at other planes of reality. Some, composed of vortex atoms oscillating at frequencies lower than those of our own physical universe, presumably would possess a space/time

continuum different than that of our physical universe. Realms of existence oscillating at much greater frequencies than that of our physical universe most likely could be planes where past, present and future occur simultaneously. Such Nirvana-like planes of non physical existence may well be the realms where the soul resides after clinical death occurs, unless one happens to be a politician or one of the more rapacious members of the legal profession.

While still a baby, the author underwent a clinical near death experience. Since that time, he has had the ability to astrally project to various non-physical realms of existence. He has observed while on his astral travels, that there are also what may be considered non-physical inter planes. It is in one of these in-between planes that the reptilian overlords of the Illuminati are entrapped. According to Illuminati historians, these reptilians were banished from their own homeland on account of their evil ways, and were the beings referred to in the *Book of Genesis* (not all creatures of the reptilian genre are evil). The Illuminati reptilians are unable to return to their homeland, because they have lost the key data necessary for them to reach that realm of existence (a few humans are aware of that key). Perhaps it is well to caution esoteric neophytes at this juncture that astral travel is fraught with danger and should not be embarked upon imprudently.

The various string theories have resulted in the development of new and very powerful forms of mathematics such as homology and topology, but do the various string theories bear any relationship to the true functioning of the multiverse? Unfortunately, the horrendous amount of energy which would have to be generated in order to experimentally prove the validity of string theory, is beyond the present scope of scientific endeavor.

In that case, is it possible to experimentally prove the validity of the basic atomic vortex theory? The answer is undoubtedly yes. The late scientist T.J. See postulated that an anti-gravitic force would be created if electrons were forced into very close proximity with one another. This occurs in the flying saucer propulsion system developed by Viktor Schauberger, in which extremely powerful longitudinal vortices force adjacent electrons together, resulting in the generation of an anti-gravitic vector. The American scientist Dr. Patrick Flanagan has devoted years unravelling the secrets closely held by the water molecule. He has discovered experimentally that there is an electrical potential amounting to thousands of volts of electricity between a rapidly rotating water vortex and the air at the axis of the vortex.

One of the more awesome examples of the longitudinal vortex to be found in nature is the tornado. Some curious phenomena have been associated with tornadoes: people who had the misfortune to be trapped in their homes which were in the path of moderate tornadoes observed that their furniture degravitated and floated around. High velocity bullets striking a window will often pass through it, leaving a round hole in their wake. Bullets are not found embedded in the typical glass window pane, yet there have been instances where straw has been found embedded in window panes after the passage of a tornado. It could be that a tornado warps the fabric of time. If this is the case, then the straw and a portion of the glass window pane were momentarily occupying the same space at the same time. After the tornado passed and time returned to normality, the information causing the physical manifestation of the glass returned from whence it originated, causing that portion of glass displaced by the embedded straw to dematerialize, since no two physical objects can occupy the same space at the same time. The experiments of Viktor Schauberger and Professor Forscheimer clearly

demonstrated that water is cooled in the vicinity of a longitudinal vortex.

It is clear from these cited examples that the vortex manifests throughout nature. But why? The answer is that a great expenditure of energy is required in the generation of expansive forces such as centrifugal force, for instance. Such expansive forces result in the consumption of energy in the form of heat, friction or sound. A longitudinal vortex in the form of a hyperbolic parabola, on the other hand, generates a centripetal as well as a centrifugal force. Since the radius of such a vortex is continually decreasing as the length of the vortex extends, increasingly less energy is required to maintain its angular momentum (nature does not expend energy unnecessarily). To give credit where credit is due, Albert Einstein stated that: "Nature is the embodiment of the simplest conceivable mathematics." He was perfectly correct, for nature expresses itself through the use of the mathematically simple spiral, both in the form of hyperbolic vortices and also spirals incorporating the Fibonacci mathematical series; nature does not appear to require the advanced, albeit elegant, mathematics necessary for the evolution of the various string theories, or the curved space of Reimann, Einstein etal.

The atomic vortex model presented in this chapter suggests that everything occurring on every level of existence is interconnected by a matrix of energy and information, thus forming in totality a multiverse consisting of nothing but motion. Without motion, mass, electricity and magnetism would not exist, leaving us with the startling conclusion that we live in a holographic multiverse where objective reality doesn't exist (a multiverse being interpenetrating universes).

A hologram is made by subjecting a three dimensional object to a beam of laser light. The reflected

light is then impinged upon by the light from a second laser in order to create an interference pattern which is then captured on film. Although the developed film displays no tangible image of the object which has been photographed, a three dimensional image will appear in space when a laser beam is projected through the holographic film. Even if the developed film is cut into small pieces, each piece will contain all the visual information that had been encoded in the complete film. A very important experiment conducted at the University of Paris in 1982, by a research team under the direction of physicist Alain Aspect, found that sub atomic particles are able to instantaneously communicate with each other, regardless of the distance separating them. This discovery invalidates Einstein's supposition that nothing can exceed the speed of light.

According to physicist David Bohm, Aspect's experiment implies that objective reality does not exist and that the component parts of each atom are connected to higher levels of reality than we are aware of. Since the physical universe is composed of atoms, and each atom is connected to other levels of reality, the implication is that the universe is a holographic projection. If, as the author suggests, all information in the multiverse emanates from a single source, then it follows that the projectionist creating the holographic image is what we mere mortals term God or Allah.⁴

If objective reality doesn't exist and the physical universe is merely an illusion—a philosophy espoused by some eastern religions, then we mortals should have the ability to collectively effect a paradigm shift by creating a new realm of existence for ourselves in another dimension, hopefully in a holographic world filled with love and respect for all creatures, not hatred.

The world of science has evolved from the experiments and research of those who preceded us.

Unfortunately, the passage of quantum physics and superstrings is leaving a great deal of flotsam in its wake. The two decades that the author has spent in researching free energy systems compels him to believe that the atomic vortex postulate presented in this chapter has fundamental validity. However, it should not be accepted as dogma. Hopefully, a person younger and brighter than the author will be able to expand the theory, correcting any flaws in the process, after the experiments of Lloyd Zirbes and George Merkl—both brilliant scientists who are now deceased, have been reproduced and verified. A major highlight of the atomic vortex theory is that it shows us that because we are connected to everything in the cosmos, thus making us multi dimensional entities, we must individually strive to be responsible for our actions. Another major aspect of the atomic vortex theory is that it illustrates that there is an afterlife. Therefore we should not fear death, for unless we conquer fear, we cannot learn to project love toward others effectively.

Chapter 9 De-Energizing the Energy

Cartel

*"Ere many generations pass, our machinery will be driven by power obtainable at any point in the universe." —
Nikola Tesla*

To be meaningful, our proposed blueprint for a better world has to include means for the provision of an inexpensive, clean and abundant energy source. Solar energy systems are too expensive to effectively implement. Moreover, the solar panels or arrays of photovoltaic cells necessary for the harnessing of the sun's energy are, like windmills, not only unsightly, but also are susceptible to weather variations. Hydro electric power clearly is not the answer, due to enormously high capital costs and unacceptable ecological damage. Obviously, our blueprint must encompass an energy system not dependent upon highly polluting and expensive fossil fuels, nor expose the citizens of planet Earth to the hazards of nuclear power.

Such an ideal energy source is not confined to the realms of science fiction, but in actuality, has covertly been identified and harnessed by various inventors for more than a century. Amazingly, the physical universe is filled with this particular energy which can be tapped and used to fulfill all the different energy needs currently provided by fossil fuels. Therein lies a fundamental problem, for the Illuminati derives its global political clout by virtue of its monopolistic control of religion, fossil fuels and precious metals. In consequence, Illuminati controlled agencies such as Patent Offices, the FBI and even judicial branches of governments throughout the western world, zealously inhibit the

commercialization of devices capable of harnessing this infinite non polluting energy source which pervades the universe. Inventors of successful free energy devices who attempt to patent their devices, suddenly find that their invention has been classified by the government, thus preventing them from commercializing, using or even publicly discussing technicalities appertaining to their device. Another Illuminati ploy frequently used in order to suppress American inventors of free energy devices, is to coerce corrupt district attorneys into seizing prototype devices, claiming stock fraud. Free energy inventors who attempt to circumvent such corrupt ploys are usually badly beaten or murdered.

In America, a one cent increase in the retail price of gasoline results in an additional one billion dollars of state and federal tax revenues, which profligate politicians and bureaucrats would lose if vehicles were powered with free energy motors instead of the presently used internal combustion engines. Not surprisingly, despite lip service to the contrary, environmental agencies are opposed to the widespread implementation of free energy systems, for a world freed from fossil fuel pollution would result in a drastic reduction in the size of environmental agencies, which would be anathema to parasitic environmental bureaucrats. Naturally, environmental agencies are not opposed to the development of conventional electric cars since their batteries are charged with electricity emanating from public electrical utilities, most of whose electrical generating facilities consume fossil fuels. Similarly, fuel cells are acceptable since the generated hydrogen is usually derived from hydrocarbons.

The chances for the imminent commercialization of free energy devices in western nations are not good, for the aforementioned reasons. However, the situation is not entirely negative, for small third world nations heavily dependent upon imported petroleum most likely

will embrace the implementation of free energy systems at a national level in the near future, especially if oil shipments are curtailed due to a major Middle East war. The large group of asian nations collectively known as ASEAN plus Three are also likely candidates for the adoption of free energy systems, especially since this organization is in the process of creating a gold backed international monetary fund to be headquartered near Shanghai. The writing is therefore on the wall for western inventors of free energy devices: either covertly restrict their inventions to serve their own private needs, or license their inventions to third world nations, without patenting them. Once the asian bloc openly adopts free energy systems, western nations will be forced to follow suit, or face major civil unrest. Due to the time span required for the development, testing and marketing of free energy systems, the phasing out of fossil fuels for everything except petrochemical manufacturing will probably span several decades, thus allaying the claims made by governmental agencies that implementation of free energy systems would create economic chaos.

Despite the ignorant claims made by academia that free energy devices could never work because they violate the laws of entropy and thermodynamics, the fact remains that numerous free energy devices have been proven to output more energy than is required to operate them. One has to look no further than the space station currently under construction by America and Russia; some of its electrical power is supplied by a free energy device invented almost a century ago by that prolific inventor Nikola Tesla.

The manner in which this particular device has been re-created is interesting. Being extremely meticulous, Tesla used to re-write his daily lab notes several times before they met with his satisfaction. His frugal janitor used to collect Tesla's discarded notes and took them home to use as scrap paper. The janitor's son, being

aware of Tesla's brilliantly inventive mind, persuaded his father to keep the lab notes, rather than using them as writing paper. When his son attained adulthood, he became intensely interested in Tesla's magnificent research and, availing himself of Tesla's discarded lab notes, eventually was able to reproduce the particular free energy device now covertly installed in the space station. The author has seen photographs of this electro chemical device which consists of two small cylinders filled with a multiplicity of chemical elements. Several of these units are electrically connected together in order to produce electrical power. The inventor is receiving a substantial royalty from NASA for this particular free energy invention.

Another very efficient free energy device was a magnetic motor developed by American inventor Rory Johnson. Johnson powered his 1974 Buick automobile with one of his prototype motors, which developed 525 horse power. The Greyhound Bus Company expressed interest in powering their coaches with the Johnson motor but, true to form, the government classified the motor, preventing Johnson from commercializing it. So efficient were Johnson's prototype motors that he formed the Magnatron Corporation in Elgin, Illinois; a working prototype motor was displayed in his showroom and was viewed by numerous people. Upon being notified by the government that his motor had been declared a classified item, Johnson loaded his motors and equipment into several trucks and left overnight for Orange County, California where he died shortly after.

Johnson's motor was a brilliant feat of original developmental engineering, the technology of which must not be permitted to wither and die. Located in the pancake motor was a small cell containing a blend of deuterium (heavy water) and gallium. The cell was a cold fusion energy unit. Pulsed energy emitted by the cell passed through a prism prior to impinging upon a

circumferential metal ring that was connected to a series of coils. Magnetic pulses associated with the coils were responsible for rotation of the output shaft. It cannot be overemphasized that this free energy motor operated by means of magnetic pulses, not electromagnetism, as is the case with conventional electric motors. Conventional electric motors with a similar power output to that of the Johnson motor require very heavy gauge copper wire for the windings, yet Johnson's motor coils were wound with only number 23 gauge wire, indicative that this was not an electric motor. Subsequent to Johnson's death, Mr. Gerald Orłowski, a gentleman with a wealth of experience in the winding of electric motors, conducted further development of the Johnson motor, eliminating the necessity for the cold fusion cell.¹

Harnessing the energy which pervades the universe is a task which must not be undertaken in a frivolous manner. The weather engineering equipment developed by Dr. Wilhelm Reich was simple to fabricate. In consequence, a fad has recently been generated by an irresponsible group of New Agers who fabricate and operate a simple variant of Reich's equipment for the purpose of dispersing contrails (which they erroneously claim are chemtrails) left by high flying aircraft. Too indolent and undisciplined to learn the physics applicable to such devices, these foolish people leave their equipment operating for weeks or even months at a time, with the units oriented in a perpendicular azimuth. Such units exert a profound effect on weather patterns hundreds of miles distant from the weather unit, resulting in major drought conditions when used improperly. Such units should never be pointed directly skyward. Weather engineering, when deemed necessary, should be left to persons such as Trevor James Constable, who has spent years researching organotic weather engineering."

In view of the weather havoc created by the individuals cited above, the author is refraining from including working plans for the construction of free energy units in this book. Such free energy systems can develop tremendous power, so extreme caution must be taken when constructing such devices, especially in the case of electronic variants where even small capacitors can deliver a lethal shock. However, enough information is provided in this chapter to enable experienced mechanical or electrical engineers to develop their own free energy systems.

Those readers with a working knowledge of electronics, who wish to develop a free energy system but are unfamiliar with free energy technology, are advised to construct a simple free energy unit according to the schematic depicted at the Keelynet website www.keelynet.com/bedmot/bedmot.htm. Very inexpensive to construct, this basic free energy unit, invented by free energy researcher John Bedini, is clear evidence that machines can produce more power than they consume. Two years ago, a ten year old girl built a similar device by following Mr. Bedini's instructions and won first prize in a science fair. This particular free energy unit was powered by a nine volt transistor battery and drove a simple electric motor which ran at 4000 r.p.m.. One coil of the device produced pulses which powered the motor, while another coil captured an induced current which recharged the battery. If the small motor had been directly powered by the battery, the latter would have been rapidly exhausted in less than twenty four hours, yet the device ran for the duration of the fair, which lasted five days! Note that this simple device uses two separate circuits—one circuit to power the motor and another to recharge the battery. Very short pulses of electricity imparted to the motor circuit applies a stress to the space surrounding the circuit. This allows the infinite energy which pervades the cosmos to flow

into the battery. The electrolyte ions in the battery are too heavy to move fast enough to charge or discharge the battery between the train of electrical pulses, thus permitting the free energy of the universe to continuously run the motor until some component wears out.

Conventional electrical engineering practice would result in the motor directly being connected to the battery, in which case the battery could only run the motor for less than a day, before the battery was completely discharged. This is known as a closed system, there being no way for sufficient energy from the cosmos to enter the circuit and allow the motor to run at 100 % efficiency (all closed circuits operate at less than 100 % efficiency). Because this free energy unit incorporates a separate induction circuit and only uses energy in very short pulses, it allows sufficient free energy into the system to sustain continuous operation of the motor. This is known as an open circuit. Regardless of whether the system employs electrical, magnetic or fluid power, all free energy systems are open circuits, in order to permit abundant free energy to enter the system. This is the great secret behind the development of successful free energy devices. An excellent article on the theory applicable to electrical free energy systems which incorporate batteries, written by Lt. Col. (Rtd) Thomas Bearden, is to be found at the John Bedini website www.icehouse.net/johnl/bearden.html. Both Tom Bearden and John Bedini are to be congratulated for placing so much of their free energy research into the public domain.

A perusal of issued patents reveals that some of them suggest that they are true free energy systems, although for political reasons they are written in such a manner as to imply that the devices employ conventional entropic technology (entropy is the degradation of matter or

energy in a closed system to an ultimate state of inert uniformity).

Due to space limitations the author has restricted discussions of free energy systems for this chapter to only three types, which he knows are capable of producing free energy. One of these is oriented toward mechanical engineers, the other two to those with an electronics background.

The first system description concerns free energy derived by means of fluid power. The author's own experiments have revealed that fluid flowing through an orifice accelerates dramatically if the fluid flow is rapidly pulsed. Since force is equal to mass times acceleration, it follows that the force imparted by a jet of water upon a turbine blade will be increased if the jet is pulsed instead of flowing in a uniform manner. The oscillator necessary for the generation of pulsations must be of a mechanical, not fluidic type. This is to ensure that there is a rapid and positive shut off of the water flow between successive pulsations. As soon as the oscillator valve interrupts the water flow through the orifice, the trailing edge of the water stream passing through the orifice creates a vacuum between the trailing edge of the water and the face of the oscillator valve. The vacuum causes the trailing edge of the water stream to vaporize; the water vapor then dissociates into separate hydrogen and oxygen atoms, which slam into the face of the oscillating valve under the action of the well known "water hammer" phenomenon, which creates an implosion. This implosive action results in the generation of a tremendous force, which can amount to thousands of pounds, as free energy from the cosmos enters the system. The free energy motors of John Keely and Viktor Schauburger derived their power from the implosion of fluids. Extreme caution should be taken when working with fluid systems which oscillate at frequencies in the range of thirty eight to forty kilohertz,

since implosions are particularly powerful when occurring in this particular frequency range.

The water exiting the oscillating valve passes through a long nozzle prior to impacting the turbine blades. The nozzle bore incorporates logarithmic spiral rifling in order to induce the water flowing through it to wind itself up into a longitudinal vortex and become densely compacted, as dissolved gases are expelled and thermal energy is transformed into kinetic energy. The compaction causes the stream of water to pull away from the walls of the nozzle resulting in a frictionless flow which in turn increases the flow velocity. The formation in the water of a longitudinal vortex results in a temperature reduction, which contributes to the densification of the water (water is most dense at a temperature of four degrees Centigrade). The oscillator and nozzle should therefore be well insulated thermally. The manufacture of such a nozzle replete with longitudinal rifling is not difficult: a thin layer of silver is deposited upon an electrically conductive wax master, then backed up with electroformed hard copper to a thickness capable of withstanding the water pressure. The silver and copper function to impart catalytic and diamagnetic qualities to the system, which enhances the inflow of free energy from the vacuum of the cosmos.

For optimum performance the turbine should be of the type designed by Viktor Schauburger, which he found needed only ten percent of the water required by commercial turbines for the same power output. This particular turbine contains a conical impeller with two or more intertwining spiral grooves incorporated in its outer surface, into which the water emerging from the nozzle is entrained, in order to rotate the shaft of an electrical generator. The impeller design is depicted in Schauburger's Austrian patent 117749 issued May 10th, 1930.

Unlike conventional hydro electric systems, the free energy device described above does not require the use of a dam. Instead, the water to power it is contained in a vertically oriented large diameter cylinder, ten feet or more in height. Due to the force of gravity and the elastic modulus of water, a very large amount of potential energy in the storage vessel is converted to kinetic energy as the water is released into the oscillator. A pump is used to pump the water exiting the turbine back to the storage vessel. In practice, only a small fraction of the output energy is required to power the pump, thus making this device a true free energy system. Ideally, the storage vessel should be egg shaped, with the outlet to the oscillating valve possessing the configuration of a long hyperbolic parabola. This outlet configuration will induce a longitudinal vortical motion to the water prior to its flow through the oscillator, thus cooling and densifying the water. The return pipe from the turbine should enter the storage vessel tangentially, in order to assist in the formation of a vortical flow.

Because this very simple, yet highly efficient source of free energy does not require a dam or river, it could have supplied Chinese cities with abundant low-cost electrical power at a fraction of the cost of the Three Gorges Dam project. Moreover, because the units would be installed locally, where electrical power was needed, thousands of miles of unsightly and costly overhead transmission lines would have been unnecessary. The Great Wall of China was constructed at enormous cost in both money and human lives, yet never worked as intended since troops stationed along its walls fraternized and traded with the Mongolian hordes the wall had been designed to keep out. Hopefully, the day will dawn when China implements free energy power, then the Three Gorges dam can be visited by tourists as a monument to contemporary technological short sightedness.

The first of the electrical free energy devices to be described in this chapter was invented by the late Edwin Gray in Van Nuys, California, during the 1970's. Because tests demonstrated that Gray's free energy system worked extremely efficiently and accordingly posed a major threat to the energy cartel, his prototype units were seized by the Los Angeles District Attorney over the protests of the inventors stockholders who had witnessed the free energy system's remarkable performance. Because of this despicable and cowardly act, Gray's company was forced into insolvency. Gray later formed a new company in order to commercialize his invention, but died under mysterious circumstances before his invention reached the marketplace.

In keeping with the Bedini free energy device previously mentioned, spikes of high voltage electricity were fed into the electromagnetic induction coils of a powerful motor. A small amount of the output power was used to recharge a conventional lead acid car battery.³ Although Gray's invention was primarily designed as an automotive powerplant, the circuit which produced the free energy could also be used to provide electrical power for homes or commercial buildings. Gray's invention was based upon a discovery made by that prodigious inventor Nikola Tesla, whose amazing technological accomplishments should be taught in every high school science class. Tesla was cognizant of the fact that when, for a few milliseconds after a high voltage DC dynamo was switched on, a corona of blue needlelike sparks were emitted from power lines attached to the dynamo. These sparks sometimes proved lethal to hapless workers who happened to be in the vicinity.

Tesla constructed DC electrical circuitry which reproduced the effect. He found that the effect only occurred at the precise moment that the electrical circuit was switched on, and that the effect was greatly

intensified if a capacitor (an electrical storage device) was inserted into the circuit between the switch and the dynamo. Very curiously, unlike conventional electromagnetic fields which are unable to pass through copper sheets, the field momentarily emanating from Tesla's high voltage DC circuits passed uninterrupted through copper and could be felt as a stinging sensation as far as fifty feet from the dynamo. Tesla concluded that this was not a conventional electrostatic effect, but rather a newly discovered form of radiant energy.

This discovery prompted Tesla to design a high voltage DC circuit which continuously emitted unidirectional electrical pulses in a rapid manner. Further research enabled Tesla to drastically shorten the impulse time by inserting a spark gap in his primary electrical circuit. Impulses were shortened to a few microseconds after he placed the spark gap between the poles of a magnet—the magnetic field extinguishing the electric arc created by the spark gap. Whereas Tesla found that impulses of 0.01 milliseconds resulted in the stinging sensation and physical pressure, impulses as short as one hundred microseconds or less, caused no physiological discomfort. Reducing impulse time to less than one microsecond resulted in an enervating environment and the generation of cool breezes in the room.

In the case of conventional electrical circuits, it's not possible to get more electrical energy out of the system than was put into it by means of a battery or dynamo because they are closed circuits. Tesla found however, that the primary stage of his electrical circuit, consisting of a high voltage source of DC electricity, a coil, capacitor and a magnetic spark gap, produced far more energy than it consumed. Conventional electrical circuits possess electrical currents (amperage) when running because the atoms comprising the copper conductors impede the flow of electricity. This impedance is

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increased because the electrons in the copper conductors are moving in a random manner, colliding with one another, thus canceling out their kinetic energy instead of transferring it to adjacent electrons in a coherent unidirectional manner. Tesla's circuit on the other hand, contained no amperage, only pure voltage, because the extremely rapid impulses of energy flowed over the *exterior* of the copper wires, not through them (known as the skin effect). This phenomenon enabled the impulses to apply a stress on the free energy vortices pervading the space adjacent to the electrical circuit. Just as a coiled spring suddenly recoils upon being released, so the compressed free energy vortices recoiled in an elastic manner and flowed into the open circuit, providing it with more energy than it took to run it.

The manner in which Tesla made his momentous free energy discoveries is brilliantly presented by researcher Gerry Vasilatos in his book *"Secrets of Cold War Technology, Project HAARP and Beyond."* The incorporation of Tesla's free energy technology into the Edwin Gray motor is superbly detailed in the book *"The Free Energy Secrets of Cold Electricity"* by long time free energy researcher Peter Lindemann, D.Sc..⁴ Readers wishing to build versions of the Edwin Gray free energy device are encouraged to study both books prior to embarking upon such a venture. Like many inventors, Gray included in his patent circuitry some misleading details. A true depiction of the Gray circuit was sketched by the aforementioned John Bedini and can be found at the Keelynet website, or at the website www2.murray.net.au/users/egel/evgraytube.htm.

Each pulse coil in the Gray motor received impulses from a tube containing a spark gap consisting of a positively charged three thousand volt electrode and a positively charged low voltage electrode fed from the primary battery (this is what Gray termed "splitting the positive." A timing rotor completed the circuit between

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the two positives, the resultant spark gap arcs emitting radiant energy which was captured by a copper or brass grid. The output energy from the grid was a curious form of cold electricity which allowed lamps to remain cool when operating. The back EMF spikes created by the motor were passed through capacitors in order to charge a secondary battery. A separate circuit periodically switched output from one of the batteries to the other.

The secret behind the functioning of the Gray free energy system then, is that the electrical circuit employed a low voltage battery and an inverter which powered a high voltage transformer. The transformer output was converted to high voltage DC electricity which charged capacitors, the positively charged output being routed to the high voltage side of the spark gap, the low voltage side of which received timed impulses from the primary battery. The impulses had a duration in the microsecond range in order to prevent a current reversal. It should be noted that whereas conventional electric motors require coil windings made from heavy gauge wire, the impulse coils used in the Gray type of motor will remain cool even if very light gauge copper wire is used. The magnetic pulses generated by the high voltage stator and rotor coils in the Gray type of motor are extremely powerful, thus enabling the overall motor size to be very compact and light in weight, rendering it ideal for powering automobiles. It is to be hoped therefore, that some enterprising nation in the future will thumb its nose at the energy cartel and give the green light to the commercialization of vehicles powered with such free energy systems. Free energy technology is available today, so why not implement it?"

The final free energy system to be described in this chapter also employs an electrical circuit, but unlike the aforementioned one which utilized a direct current, this one incorporates an alternating current in the primary section of the circuitry. This particular system, in

keeping with the one described above, can be used to power conventional electrical appliances when the output is converted to standard voltage and frequency requirements, or can incorporate a pulsed motor, as was the case with the Edwin Gray unit.

This AC system can entrain free energy either from the atmosphere or, if well grounded, from the crustal region of planet Earth. At this point, the reader may be wondering why there is an abundance of free energy stored in the Earth's crust. This is because planet Earth is continually bombarded with electromagnetic dipoles. Upon encountering the geomagnetic field of Earth, most of these dipoles are split into separate positron and electron monopoles. For billions of years planet Earth has been accumulating these electrons in its crust, at a rate of almost four exajoules of electrical energy annually (one exajoule is equivalent to approximately 125 million barrels of petroleum). It has been estimated that at the present time, there are some 17.6×10^{18} exajoules of accumulated electrical energy in the Earth's crust. In addition, much of the Earth's crust is composed of silicon bearing rocks which are also electron donors when suitably resonated. It is self evident from these figures that the populace of this planet need never run out of electrical energy if the day dawns when free energy systems are permitted to be commercialized.

Experimental data suggests that the electrons within the Earth's crust and the atmosphere form dipoles with one another. In this form they are in a quiescent state and cannot energize a free energy device. To do work, the electron pairs have to be separated by utilizing an electrical circuit which delivers high frequency impulses to either an air or earth ground. Once separated in this manner, the free electrons seek each other in order to form new electron dipoles. It is this activity, generated by free electrons attempting to seek equilibrium by reuniting with another electron, that produces

electromotive force in a free energy circuit of this type. After having been used to power the free energy device, the electrons return to their source, ready to be recycled again.

A very efficient free energy system suitable for this application has been developed by American inventor Don Smith, who has applied for a patent for his system. He is to be congratulated for placing much of his technology in the public domain. His basic free energy device uses a small twelve volt battery, electricity from which is converted to alternating current to power a high voltage transformer. A spark gap powered by the high voltage transformer, pulses the high voltage output which feeds a d'Arsonval air core transformer, the latter stepping up the voltage or amperage considerably. The resultant energy output from the secondary of the d'Arsonval transformer is converted to direct current, then collected by means of a capacitor bank. The huge amount of electrical free energy accumulated by the device is converted to alternating current to suit the end use requirements. A small induction coil resonantly tuned to a one quarter wavelength to that of the d'Arsonval primary coil supplies electrical power for recharging the twelve volt lead acid battery. Although such batteries normally can only be recharged for approximately one hundred cycles, this high voltage recharging technique enables the same small (four ampere hours) type of battery to be continuously used for several years. A ground replete with a voltage control shunt is attached to the output of the D'Arsonval secondary coil in order to limit the amount of free energy electrons entering the circuit.

This type of free energy system is extremely compact—a unit with a one megawatt output could fit on a typical dining table, while a free energy module suitable for powering an electric car motor would be approximately twelve inches square. But how does a free

energy device so physically small derive so much prodigious power, you may well ask?

An alternating current device which incorporates a resonant air core tank circuit operating at high voltage and very high frequency, can be considered an electron pump which induces an abundance of free electrons to flow into the system from the atmosphere or from the Earth's crust. As the author postulated in the preceding chapter of this book, the energy vortices which appear to comprise the sub atomic components of an electron, alternately emit electrical and magnetic impulses. The high voltage AC electricity flowing into the primary coil is pulsed in the microsecond or nanosecond range by means of a spark gap and magnet, a triggered spark gap, or a cold cathode trigger tube. The rapid pumping (pulses) induced in the primary coil causes free electrons to accumulate on the surface of the primary coil. It follows that the faster the primary coil is pulsed, the greater the quantity of electrons which can be induced and transferred in a given time period (the transfer of electrical energy (Joules) in this system increases as the square of the frequency).

The conventional 60 Hertz frequency used to power commercial appliances and lights pulses too slowly to attract many free electrons into the circuit. For free energy systems using electrical pulses therefore, it makes sense to utilize a primary coil which will oscillate in the radio frequency range (the primary coils used by the author operate in the two hundred megahertz range). Obviously, a coil pulsing two hundred million times per second will agitate and induce a far greater number of free electrons into the system than the puny sixty cycles per second used as a standard by most public electrical utility companies.

Provided that the secondary coil is resonantly coupled with the primary coil, and has a greater number

of turns that the primary coil, the actual voltage in each turn of the primary will be magnetically induced into each successive turn of the secondary coil. Hence, the greater number of turns of wire in the secondary coil, the higher the voltage output of the system will be. As an example, if the primary coil has three turns and the input voltage is nine thousand volts, each turn of the primary coil will contain three thousand volts. At resonance, the induced voltage in each turn of the secondary coil will be charged with three thousand volts in an accumulative manner. If the secondary has ten turns, the output voltage of the secondary coil will be thirty thousand volts. Because of the high voltages and extremely high frequencies used in this type of free energy circuit, the voltage flows outside of, not through the d'Arsonval coil, thus making it a room temperature superconductor since the coil will possess zero electrical impedance (resistance). Ohm's Law does not apply, since volts are equal to amps in this system.

If such an AC free energy system were to be used to provide electricity for an industrial facility, it would not be necessary to run unsightly overhead electrical wiring from a central free energy unit to each outlying building. Instead, each outlying building could be equipped with a free energy unit consisting of only the secondary coil and a voltage stepdown circuit. A multiplicity of such secondary units could be inductively powered by high frequency electromagnetic impulses broadcast from a complete central unit. Remarkably, the only electrical input derived from a conventional energy source into such a free energy system, would be derived from one twelve volt battery much smaller than a conventional car battery which would be used to power the system's small two hundred watt voltage inverter.

Perhaps it is timely at this point in our narrative to discuss suitable impulse triggers for such free energy systems. The function of an impulse trigger is to very

rapidly pulse the high voltage supply before it is fed to the d'Arsonval coil. Mechanical switches are unsatisfactory for fulfilling this operation since the time taken to switch from off to on (known as the commutation time) is in the millisecond range, which is too long for efficient operation of this particular free energy circuit. Commercial cold cathode impulse triggers also are not recommended for this application since most types display a huge difference in delay times, depending upon whether the tube is operated in daylight or in darkness.

Mercury thyratrons not only have long commutation times but also pose an environmental hazard if broken. Hydrogen filled thyratron tubes however, can have commutation times in the nanosecond range, thus making them superior to thyristor impulse triggers.

The simplest impulse trigger of course, is the basic spark gap consisting of two electrodes spaced a short distance apart. Nikola Tesla shortened the commutation time of his spark gaps by placing the gap between the poles of a powerful magnet in order to eliminate the hot arc, thus not only provided for faster impulses but also reduced electrode pitting.

Very fast commutation times of approximately two nanoseconds can be achieved by applying a high voltage pulse to the spark gap by means of a trigger electrode, which creates a plasma path between the two electrodes.

At long last, Nikola Tesla is beginning to receive public recognition for his outstanding pioneering work in the field of high voltage engineering. Sadly, the same cannot be said for the brilliant researcher and physiologist Dr. Jaques d'Arsonval (1851-1940). Dr. D'Arsonval not only was the inventor of the electrocardiograph, and the galvanometer which bears his name, he was experimenting with high voltage air

core coils before Tesla. In fact, he was the mentor of Tesla in the design of high voltage coils when Tesla visited him in Paris, prior to Tesla's emigration to America.

The unique aspect of the d'Arsonval coil, is that the input end of the secondary coil is primarily high amperage, while the output end produces almost all voltage and very little amperage. By tapping into the center of the secondary coil, relatively high amperage and high voltage are obtained.

Sophisticated impulse triggers are a key component in nuclear weapons, where it is necessary to switch high voltage electrical circuits at ultra fast speeds. Consequently, use of impulse trigger devices in the public domain is strictly regulated. It is imperative therefore, that free energy experimenters do not violate the law in this respect. In America, trigger tubes possessing anode peak current of 100 amps or more, with peak anode voltage of 2500 volts and anode delay times of ten microseconds or less, are restricted to military use.

Similarly, triggered spark gaps are forbidden for use by the public if they possess *all* of the following: anode peak current of 500 amps or more, anode peak voltage of 2000 volts or more, and commutation times less than one microsecond.

Fortunately for the above cited free energy device, the spark gap or thyratron impulse trigger is placed between the high voltage transformer and the d'Arsonval coil, so it will only receive current in the milliamp range, thus permitting its legal use.

In keeping with the Don Smith free energy system, alternating current free energy devices developed by the author also incorporate the high frequency d'Arsonval air core transformers. He has also charged a resonantly

tuned d'Arsonval coil by means of a modified Marx generator. Invented in 1924, the Marx generator is a simple way to generate high voltage DC impulses. It consists of a series of connected circuit modules, each module consisting of a spark gap, capacitor and two resistors. The capacitors charge in parallel, but discharge in series. When the modular circuit is fully charged, the spark gap in the first module breaks down due to an overvoltage condition, thus placing the first two capacitors in a series mode, causing the next spark gap to receive an overcharge and so on, a process known as "erecting." More effective control over impulse voltage can be obtained by using a variant circuit known as the Fitch circuit.

The DC impulse generating circuit used by the author replaces the resistors normally used by the Marx circuit with inductors (Fig. 6). The principal role of the inductors is to shape the pulses so that the tail end of the pulse has a more rapid cutoff than can be obtained when using a conventional Marx DC generator. As each modular stage breaks down, the potential across each spark gap is the sum of the charge voltage of the preceding stages. In this manner, very high output voltages can be obtained when the impulse generator receives an input from a relatively low voltage transformer. The input transformer should be center tapped in order to insure that there is sufficient amperage to fire the first spark gap. An additional benefit obtained by feeding sufficient amperage to the primary coil, is that in conjunction with the high frequency created by the primary coil, flux line density will be optimized. In order to insure that all the spark gaps fire simultaneously, the author mounts his modular stages in a vertical manner, so that the individual spark gaps are oriented horizontally, but immediately above each other. This orientation allows the ultraviolet light generated by the lowest spark gap arc to irradiate those above it, thus

assisting in the simultaneous firing of all the spark gaps (uneven spark gap firing is known as "jitter," and lengthens the impulse rise time). The output from the author's D.C. unit is used to power a high voltage pulsed free energy motor/generator replete with a variable duty cycle mechanism. The rotor contains rare earth magnets. In addition to stator drive coils, the collapsing field induced in secondary windings recharges the battery and provides added torque. Additional stator induction coils provide an A.C. output.

Readers are encouraged to conduct a patent search for inventions which are probably of a free energy nature, or could be modified to fulfill this requirement. One such patent (U.S. Patent 4,897,592) relates to the generation of useful electrical power by conversion from an electrostatic field. According to the patent, a prototype unit developed an output of three hundred thousand volts. Only ten percent of the output power was consumed by the drive motor, implying that it is a self sustaining device. This patent is still current, so no attempt should be made to manufacture commercial versions of this interesting electrical generator, without prior consultation with the inventors (Fig. 3).

Mechanical engineers should find U.S. Patent 3,744,252 of interest (Fig. 4). It appertains to a fluid power turbine which uses compressed air to apply force to a hydraulic fluid which powers the turbine in the manner of a torque amplifier. The hydraulic circuit is designed in such a manner as to maintain a near constant volume throughout the system. According to the patent, only a small portion of the output torque is needed to operate the hydraulic pump. The author suggests that the design could be simplified through the incorporation of a variable volume hydraulic pump. This invention offers distinct possibilities as a powerful free energy powerplant for automobiles and light aircraft. This particular patent was issued to American inventor Eber

van Valkinburgh, the designer of the world's first all metal aircraft. Unable to secure suitable funding for his hydraulic powerplant, he ended up, like so many inventors, totally penniless and homeless.

Because of its availability from the water molecule, hydrogen has been looked upon by many people as an ideal replacement for fossil fuels. Its use as an energy source presents several problems however, which must be considered prior to constructing a hydrogen based free energy system. In order to convert an automobile engine for it to be hydrogen powered, the pollution control system requires modification, which is an offense in the United States and probably in other nations as well. Moreover, some American States have a water fuel tax in order to inhibit such conversion to non fossil fuels. Another problem to be resolved is that the velocity of the flame front of burning hydrogen is much faster than that of a gasoline/air mixture. For an efficient burn, the dwell time at top dead center of the stroke should be longer than that attainable with a conventional reciprocating engine (a Bourke reciprocating engine, with its very long dwell time, would be far more suitable for hydrogen conversion). Because steam is a by product of hydrogen combustion, engine valves and exhaust pipes should be fabricated from stainless steel in order to prevent corrosion. Hydrogen embrittlement can be a problem unless carbon electrodes are used.

Despite such technological problems, cars powered by hydrogen obtained by dissociating water, have operated effectively. In order to achieve an efficiency of 100%, the water must be pulsed at its resonant frequency or a higher harmonic of it. A patent was awarded to inventor Dr. Andija Puharich for a device which employs a function generator to change the bond angle of a water molecule to a tetrahedral configuration with bond angles of $1090\ 28'$, then dissociating it into its component oxygen and hydrogen atoms by subjecting it

to specific resonant frequencies (Fig. 5). The dissociation takes place in specially designed plugs which replace the conventional automobile spark plugs. The hydrogen is burned in the combustion chambers using the oxygen as an oxidant (U.S. Patent 4,394, 230).

A somewhat similar system is to be found in U.S. Patent 6,126,794 which uses pulsed electricity to dissociate water and burn orthohydrogen in an automobile engine. In the United States, hydrogen powered vehicles are designated as vapor burning devices. As such, the owner of a licensed vehicle which has been converted to burn hydrogen must seek approval from the Department of Transportation prior to driving it on the highway. Such approval is almost impossible to obtain since it would incur the displeasure of the energy cartel. Naturally, propane powered vehicles, despite being vapor burners, are acceptable because they consume fossil fuel.

A graphic example which illustrates what happens to American inventors who attempt to commercialize their fuel saving devices is the FBI harassment and subsequent imprisonment which befell Allen Caggiano after he advertised for funding for the purpose of commercializing of his fuel implosion device (U.S. Patent 5,782,225). Subsequent to advertising in a local newspaper for funding, the inventor received a request from a company requesting exclusive rights to the invention. Caggiano declined the offer after discovering that the interested party was a subsidiary of an oil company. Shortly thereafter, the inventor received threats from the FBI, followed by arrest by the local police who claimed to have found cocaine on the premises. He received a long jail sentence. Significantly, the police chief who led the raid was later convicted for stealing cocaine from a police evidence locker. The hapless Caggiano was subsequently released after an appeals court overturned the sentence on the grounds of

tainted evidence. Due to his harsh treatment at the hands of the energy cartels hired guns, Mr. Caggiano has placed his invention in the public domain. He claims the device will increase the gasoline mileage to more than 100 miles per gallon.

John Keeley and Viktor Schauberger both demonstrated that tremendous forces are released when cavitation occurs in water. The implosive energy released during cavitation appears to be too great for it to be solely due to the breaking of molecular bonds, in 1948 a scientist by the name of Früngel subjected a small volume of water to an arc which was generated by the discharge of a capacitor. He was amazed at the explosive force generated by the water. His experiment remained forgotten until the late 1980's when a scientific team at the Massachusetts Institute of Technology rediscovered the experiment and conducted a series of similar ones. Their experiments led to the realization in 1993, that some of the energy liberated by the water in the presence of a high voltage arc was derived from a source other than the capacitor discharge. This revelation prompted further investigations into the mysterious source of the tremendous liberation of energy from water.

The equipment used in the experiments consisted of a "water arc gun," comprised of a thick steel cylinder, which was sealed at the base by a copper plate electrically insulated from the steel cylinder. A copper electrode protruded vertically upwards from the baseplate into the cylinder. The cylinder was partially filled with water, then subjected to an underwater arc generated by a discharge from a high voltage capacitor. A high speed camera revealed that a water fog was ejected from the cylinder with tremendous force and travelled at a velocity of 1000 meters/second (2,250 miles per hour). So extraordinarily powerful was the force that in one experiment, three grams of water punched a hole in an aluminum plate a quarter of an inch in thickness!⁸

The scientific team postulates that the additional energy is derived from solar energy previously stored in the water molecules, but the author suspects that the excess energy is inflowing free energy, due to the fact that the rapid high voltage discharge across the spark gap creates an open loop circuit. Repulsive forces created between adjacent fog particles by the inflowing free energy, are probably the cause of the explosive force which ejects the fog from the cylinder at extremely high velocity.

There is a distinct possibility that the high velocity expulsion of fog from the cylinder may be due to an antigravitic effect. According to the aforementioned physicist, the late T.J. See who conducted extensive research into the nature of gravity, when a fluid is momentarily subjected to such a high degree of compression that the normal inter-atomic spacing is drastically reduced, a repulsive effect occurs when the compressive force is released and the atoms return to their normal inter-atomic spacing. We see this effect exemplified in the flying saucer propulsion system of Viktor Schauberger where a fluid is highly compressed in a longitudinal vortex by means of centripetal forces. The compressed fluid (air) is allowed to expand beneath the craft, thereby forcing the craft upwards.

The water arc gun experiments suggest that a free energy device could be developed utilizing the explosive effect. As the author writes this paragraph, he visualizes a free energy device consisting of a free piston inside of a metal cylinder. A separate copper piston (electrically insulated from the metal cylinder) at each end of the cylinder, is attached to an air spring consisting of a larger diameter copper piston enclosed in a short airtight cylinder. The pistons at either end of the cylinder are connected to the air spring pistons via a piston rod. Water partially fills the cavities on either side of the free piston. A copper electrode protrudes into the cylinder from each of the copper pistons located at the ends of the cylinder. A high

voltage impulse from a Marx generator creates an arc in the water at one end of the cylinder, driving the free piston towards the opposite end of the cylinder at high speed. The water and air mixture at the far end of the cylinder is compressed and the free piston's travel is arrested by means of the air spring. An arc is now generated in order to drive the free piston back in the opposite direction. By extending the copper piston rod attached to the air spring piston outside of the unit, sliding commutators forming part of the piston rods will accomplish timing of the alternate arcs. The airsprings will cause the unit to function with isochronous oscillations and are similar in configuration to those shown in Tesla's U.S. Patent 511,916. A solenoid can be attached to each of the airspring piston rods in order to generate alternating current electricity. Unlike conventional vibrations, those produced by isochronous oscillators, as in the present case, are not damped. Such an energy unit must therefore be attached to shock mounts in order to avoid possible seismic problems.

Whereas Tesla's isochronous oscillators were either driven by compressed fluids or electrically, the above described electrical generating system derives its propulsive force from the water arc. The high voltage capacitor discharge which energizes the arc should preferably be tuned to a frequency of 7,960 Hz. This is the resonant frequency of one of the apices of the tetrahedron formed by the electron orbitals when a water molecule is energized by the electrical impulse received from the capacitor, and is raised from the ground state. Higher harmonics of this frequency will resonate with the other apices of the tetrahedrons, breaking the inter-atomic bonds. By incorporating this particular fundamental frequency into the system, very little input energy will be required in order to liberate the desired force from the water. Ideally, the piston oscillations also should be timed to a harmonic of this fundamental frequency. The author suspects that because most of the force will be derived from inflowing

free energy, the generator will operate for a long period of time on the same charge of water.

This latter type of free energy device should also function if a CFC is substituted for the water, but at reduced efficiency (contrary to media disinformation, CFC molecules are so heavy that they sink into the soil, where they are consumed by bacteria. They are too heavy to reach the ozone layer, whose polar hole was present prior to the commercialization of CFC's. CFC's were banned and replaced by inferior HCFC's because the CFC patent held by Dupont was about to expire. The resultant CFC ban prevented third world nations from manufacturing their own CFC's thus presenting the Dupont Corporation, who held the HCFC patent, with a windfall profit).

This latter proposed energy system was only conceived as the author was writing the last three paragraphs. Accordingly, readers willing to devote more time to the subject will be able to invent better free energy systems than this one just described. It should work quite well however, and the author's concept is freely offered as public domain information, thus preventing any representative of the energy cartel from patenting, then suppressing, it.

It should be noted that because free energy devices derive their energy from the infinite energy reservoir of the cosmos, conventional methods for determining the efficiency of energy devices are not applicable. New test methods are therefore needed, either of a calorimetric nature, or, in the case of electrical free energy devices, a method for determining energy transfer, possibly involving flux measurement.

As was stated earlier in this book, Stephan Reiss demonstrated that abundant potable water is obtainable by drilling into rock fissures. It is well known that the greatest depth from which water can be obtained by means of a suction pump is approximately thirty three feet. This is

because a column of water of this depth is balanced by the ambient atmospheric pressure. Wells of greater depth require the use of submersible pumps unless the well is of the artesian type. Submersible pumps require a larger diameter well bore than is usually necessary just for the purpose of pumping an adequate volume of water to the surface, thereby incurring an additional drilling cost. This additional cost can be eliminated by constructing a novel pump invented by an Argentinean gentleman by the name of Toribio Bellocq, who received patents for it from eighteen nations, including the United States. Attached horizontally to the top of the stand pipe is a short stroke piston. After the pump is primed, the reciprocating piston creates a series of standing waves throughout the length of the water column, thus creating alternating layers of pressure and partial vacuum. A ball valve at the lower end of the stand pipe admits a small amount of water into the pipe at each stroke of the pump. Simultaneously, an equivalent amount of water (one wavelength) is displaced from the pump via a valve located at the top of the standpipe. In this manner, the oscillations induced in the standpipe by the piston causes the column of water to inch its way up the pipe, virtually regardless of the well depth. In order to convince American patent examiners that his unique pump really worked as claimed, the inventor installed his pump atop a Washington, D.C. office building, and successfully pumped water up an eighty feet stand pipe (Fig. 7)!

The oscillating piston and outlet valve on the prototype pump were actuated by means of eccentrics mounted on the pump's flywheel shaft. However, the aforementioned water powered isochronous energy unit possibly would be a suitable power source for such a pump—the pump piston attaching directly to the power unit's airspring. Such a power source would facilitate varying the stroke and frequency of the pump piston, thereby permitting the length

of the standing waves in the water column to be "tuned" for maximum pump efficiency.

The information presented in this chapter is sufficient for any experienced electrical or mechanical engineer to develop their own efficient free energy system, and for third world nations who presently are dependent upon overseas petroleum supplies to implement free energy power plants for domestic electrical applications and also for public transportation. A virtually limitless supply of very pure water derived from deep subterranean sources as presented in this book, cannot be effectively utilized unless there is a very inexpensive source of energy with which to power the pumps needed to deliver it to the end users. Similarly, produce grown in abundance with the agricultural techniques also presented in this book will never reach the world's starving populace unless an inexpensive form of energy is implemented for the purpose of powering transportation vehicles. The obvious energy source which can fulfill our needs is the infinite and non polluting free energy of the cosmos, which is ours for the taking. Hopefully an enlightened future generation will come to the realization that efficient free energy systems have been developed and demand that the corrupt energy cartel be dismantled. Only then can we make a paradise on Earth a reality.

Chapter 10 Land of the Free?

"The high contracting powers being convinced that the system of representative governments, is equally as incompatible with the monarchical principles as the maxim of the. sovereignty of the people with the divine right, engage mutually, in the most solemn manner to use all their efforts to put an end to the system of representative governments, in what ever country it may exist in Europe, and to prevent its being introduced in those countries where it is not yet known. "

—The Treaty of Verona, 1822

"The government is violating my constitutional rights!" This angry exclamation is being increasingly uttered by Americans who believe that the United States government is suppressing civil rights bestowed upon them by virtue of the United States Constitution, in actuality, the only inhabitants of America who were granted rights under the Constitution, were the rascally Founding Fathers who were signatories to the document. The Constitution is a two party contract. Since the American populace were not a party to it, they have never been covered by the historical, yet misleading, document. Americans who cite the Constitution as part of their defense in a court of law, are unwittingly committing malicious intent and face prosecution accordingly, since a third party is not permitted to intercede in a two party contract.¹ In reality, the American public are vassals of the British Crown with no civil rights whatsoever. The smart way for a totalitarian regime to exert authority over a compliant populace is to foster the illusion that the masses are protected from the establishment of a dictatorial government through the granting of inalienable civil rights. The present predicament of the American populace

can be likened to that of a person who was born deaf, dumb, and blind and is devoid of arms and legs. All the hapless person is aware of is being fed by an unknown source on a regular basis. The paraplegic is unaware that he or she has spent their entire life in a prison cell because they are unable to see the cell door, let alone open it.

The fact that most Americans are still willing to honor the Pledge of Allegiance obviously implies that in doing so they are unwittingly pledging their allegiance to the British Crown (no, dear reader, the British Crown does not refer to the British Royal Family).

In order to comprehend how Americans have been fooled for so long it is necessary to take an imaginary trip back in time to England and Ireland in the era of England's King Alfred the Great, who was the ruler of the West Saxons (871-899). One of history's rarities—a wise and capable monarch, his subjects enjoyed the luxury of not being infested with lawyers, for Alfred, not only being the creator of a navy which held the marauding Vikings in check, also established a series of laws and penalties for almost every conceivable injustice. Female subjects were protected with more civil rights than most women enjoy today. Even pedophiles were forced to pay a set monetary compensation which was the property of the victim, not their parents. Alfred's subjects were granted *allodial title* to any land that they owned. This meant that no one could be evicted from their own property if they failed to pay a tithe to the monarch or the Church.

And then came the invasion of England in 1066 by William the Conqueror. By declaring himself Vicar of Christ the Pope claimed ownership of all land throughout the world. Church tithes reduced the English populace to serfdom and England fell heavily into debt to the Vatican. The status quo remained unchanged until King John ascended the English throne. In 1199, King John invoked the Law of Mortmain (meaning "dead hand"). The act

was perpetrated to prevent the public from deeding their land to the Church without the monarch's permission. Angered by King John's supposed treachery the Pope excommunicated John and placed England under papal interdict; a loyal papal subject, Stephen Langton, was appointed Archbishop of Canterbury and governed England and Ireland on behalf of the Vatican.

Anxious to regain the Pope's good favor, King John foolishly entered into a treaty with the Vatican on October 3rd, 1213 whereby King John, in his capacity as Crown Corporation Sole of England and Ireland, assigned in perpetuity, ownership of England and her dominions to the Vatican Corporation Sole. In return, John and his royal successors were granted the right to rule over England and her dominions on behalf of the Vatican Corporation Sole. Outraged by John's act the English Barons forced John to sign the Magna Carta.

In law, a third party cannot lawfully intercede to break a contract entered into between two other parties. Since the Treaty of 1213, also known as the Holy Alliance, was a contract between King John and Pope Innocent III, the Pope naturally and quite rightly declared the Magna Carta null and void stating that the Magna Carta was: ". . . unlawful and unjust . . ." and the whole enterprise of the Crusade greatly imperiled." Significantly, the Declaration of Rights, signed in 1685, which outlined the rights of British subjects, stated in Article III: "That should any of the rights just mentioned be in violation of the Holy Alliance [Treaty of 1213] it is as if the Declaration was never written." In other words, the Treaty of 1213 was still recognized by the British monarchy in 1685.

In order to foster the colonization of Virginia by British subjects, the Virginia Company was founded in Greenwich, England, with funding and a Charter provided by King James. Under the terms of the Charter the King provided funds to cover the cost of passage and settlement

in the new colony; in return, the British Crown was to receive a percentage of the precious metals mined in the New World in perpetuity.

The ever increasing influx of Protestant settlers in America during the 18th century posed a clear and present danger to the Vatican authorities, who feared that since the majority of American settlers embraced the Protestant religion, it might encourage Britain's King George III to terminate the Treaty of 1763. The threat prompted the Jesuit Superior General, Lorenzo Ricci, to orchestrate the American Revolution. The hidden American power behind the Revolutionary War were members of the very wealthy Carroll family who were staunch Jesuits. After cessation of hostilities, a parcel of land known as "Rome" owned by the Carroll family, became the site of the District of Columbia.

The American Revolutionary War was merely a Jesuit ploy to insure that America remained a satrapy of the Vatican and still covertly ruled by the British monarchy on behalf of the Vatican Corporation Sole. At the end of the Revolutionary War, the Continental Congress was bankrupt and consequently unable to repay the millions of dollars it had borrowed from France in order to launch the war. The British Crown subsequently acquired the loan contracts, thus making the Continental Congress a debtor to the Crown. Congress acknowledged its indebtedness in the Articles of Confederation, enacted March 1, 1781. Article 12 states: "All bills of credit emitted, monies borrowed, and debts contracted by, or under the authority of Congress, before the assembling of the United States, in pursuance of the present confederation, shall be deemed and considered a charge against the United States, for payment and satisfaction whereof the said United States, and the public faith are hereby solemnly pledged."

Acknowledgement of the indebtedness was further reinforced with the signing of the *Treaty of Paris*, in 1783.

Not surprisingly, most Americans are not conversant with the text of this very subversive treaty, entered into between Britain and America. Signed on behalf of Congress by Ben Franklin, John Adams and John Jay, the treaty introduces King George III as King of Great Britain, France and Ireland, and also as Arch Treasurer and Prince Elector of the Holy Roman Empire and of the United States of America! The treaty was signed two years after the end of the American Revolutionary War, yet incredibly the supposedly defeated King George is acknowledged by Ben Franklin et. al to still be the ruler of America! The treaty clearly defines that even after the conclusion of the bloody Revolutionary War, America is still ruled by, and monetarily indebted to Britain. In addition, by referring to King George as Prince Elector of the Holy Roman Empire, the treaty reveals the interrelationship between the British Monarchy and the Vatican Corporation Sole.

The Constitution of the United States was approved in 1787 by twelve State delegates for the purpose of not only protecting the rights and property of the signatories, but also for making the individual States liable to the debt owed to Britain. Article six, Section one of the Constitution states: "All debts contracted and Engagements entered into, before the adoption of this Constitution, shall be as valid against the United States under this Constitution, as under the Confederation."

Congress now had a major problem of their own making on their hands. The signing of the Constitution made the individual States constitutors, meaning that they were responsible for the repayment of the millions of dollars owing to Britain. American colonists however, were not liable for the debt since the Constitution was signed by the State delegates without putting it to the vote of the American public, thus excluding the public from being a party to the Constitution. Realizing their blunder, the corrupt Founding Fathers passed an Act in 1790

entitled "An Act making provision for the payment of the Debt of the United States." The act made provision for the establishment of Federal Districts in each State, thus for all practical purposes abolishing the sovereignty of the individual States.

The Act also apportioned part of the Federal debt to each State. The original State Constitutions were never submitted to the public for approval, so new State Constitutions were drafted and approved by the public. Because the public unwittingly voted approval of the revised State Constitutions the masses became citizens of both the State in which they resided and of the United States of America—a private corporation and body politic formerly known as the Virginia Company, owned by the British Crown. By means of this devious ploy the American public became legally bound to the monetary debt owed to the British Crown, even though they had no Constitutional rights. Now do you see dear reader, why Patrick Henry refused to ratify the Constitution claiming "Something smells" and why he asked the Founding Fathers who were they referring to by the phrase "We the people"?

The United States entered into bankruptcy on January 1 st, 1788 and has remained bankrupt ever since. Its debt to the British Crown is rolled over every seventy years. When the United States Bank was founded in 1791, 18,000 of its issued 25,000 shares were owned by Britain.

The heinous treason perpetrated upon the American public by the Founding Fathers and the Carroll family insured that to this very day, Americans would remain vassals of the British Crown, whose overlord in turn is the Vatican Corporation Sole. If any reader should doubt that this is so, perhaps they can explain why the Social Security Administration Act of the United States of America was amended and signed into law on July 22, 1997 at Buckingham Palace by Queen Elizabeth.

Furthermore, if American readers care to research the subject for themselves they will discover that a portion of their income taxes is payed to the British Crown, which should come as no surprise considering that the 1783 *Treaty of Paris* specifically stated that King George III was Arch Treasurer of the Holy Roman Empire, which is owned by the Vatican Corporation Sole.

So what exactly is the British Crown? It is a very covert and deceptive entity headquartered at the Crown Temple, located in the City of London near the River Thames. In keeping with the Vatican and the headquarters of the Jesuits and the Knights of Malta, the City of London is an independent Sovereign State; even Queen Elizabeth has to formally request permission to enter it. The Crown Temple was the headquarters of the British arm of the Knights Templar and originally consisted of a round church whose architecture was inspired by the Church of the Holy Sepulchre in Jerusalem. It was consecrated in 1185 and a Chancery was added in the year 1240.

For all practical purposes the Crown Temple may be considered the Illuminati administrative center which, by virtue of its tremendous political clout, influences banking and legal systems throughout the world. Bar Associations in many nations are affiliated with the Bar Association of the Crown Temple. The Temple Bar consists of four Inns of Court—Inner Temple, Middle Temple, Grays Inn and Lincoln's Inn, the latter being named in honor of an Earl of Lincoln. The four Inns originally were Law Colleges, but eventually became the covert command center of the various global legal systems. British monarchs traditionally are members of the Middle or Inner Temple or, as in the case of Queen Elizabeth and the late Queen Mother, members of both Temples. It is from membership in the Crown Temple that British monarchs derive their authority to rule Britain by means of a Privy Council, which in turn oversees the activities of the British Parliament and Commonwealth Prime Ministers.²

In order to comprehend how the Crown Temple is able to exert such tremendous international political clout we must delve deeper into the manner in which King John transferred ownership of England and Ireland to the Vatican Corporation Sole.

The corrupt activities of the Knights Templar were detailed by the author in his book *They Cast no Shadows*. Far from being the noble figures portrayed by some apologists, they were in the main, bloodthirsty rapacious villains who could barely write their own names and who charged up to sixty percent interest on their loans. For our present narrative however, it is essential to note that the Templars were the covert creation of the Cistercian monk Saint Bernard of Clairvaux, who was acting on behalf of the Pope. It was Saint Bernard who established the Templar Order not only as an elite religious army, but also as the most powerful international banking entity in Europe and the Middle East. He also was the driving force behind the funding and construction of those most wondrous of edifices, the Gothic Cathedrals, which were designed by members of the *Fraters Solomonis* mystery school.

The Templars had attained the peak of their political power at the time that King John of England signed the title of conveyance which transferred ownership of England and Ireland to the Vatican in the year 1213. When translated into modern English the text of the document reads, in part: "We wish it to be known to all of you, through this our charter, furnished with our seal ... Do offer and freely concede to God and his holy apostles Peter and Paul and to our mother the holy Roman church, and to our lord pope Innocent and to his Catholic successors, the whole kingdom of England and the whole kingdom Ireland, with all their rights and appurtenances ... Binding our successors and our heirs by our wife forever, in similar manner to perform fealty and show homage to him who shall be chief pontiff at that time, and to the

Roman church without demur ... The Roman church shall receive yearly a thousand marks sterling ... and we bind ourselves and our successors not to act counter to them. And if we or any one of our successors shall presume to attempt this, whoever he be, unless being duly warned he come to his kingdom, and his senses, he shall lose his right to the kingdom, and this charter of our obligation and concession shall always remain firm."

This very historic and important document clearly affirms that not only did the English king transfer England and her dominions in perpetuity to the Vatican Corporation Sole and agree to pay Rome an annual monetary sum, but the document also makes clear that if John or any future English monarch violates the terms of this concessionary contract, the English Monarchy is permanently abolished. King John did, in fact, violate the charter on June 15th, 1215, when he signed the Magna Carta. In retaliation Pope Innocent III formally issued a declaration on August 24, 1215, which legally annulled the Magna Carta and a few months later transferred ownership of the English Monarchy to the Vatican Corporation Sole. Since that time, all British rulers have merely been, in keeping with the administrators of the Crown Temple, fiscal and political agents of the Vatican Corporation Sole. The political clout of the Crown Temple and its Knights Templar can be adduced from the fact that King John signed the title of conveyance at the Temple Church, witnessed by the Crown Templars.

Students who studied law at either of the four Inns of the Crown Temple were obligated to swear an oath of allegiance to the Temple in order to be a member of the Bar Association. According to Middle Temple historians, five of the American Colonists who signed the Declaration of Independence were also members of the Middle Temple. This was obviously a major conflict of interest, for these five lawyers were in effect signing a document as representatives of the American colonists

while at the same time being members of the second party. The Crown Temple had been awarded letters patent and charters assigning the ownership of the colonies of New England to the Temple, which in turn is the property of the Vatican Corporation Sole. The signing of the Declaration of Independence and the Constitution of the United States (without the approval of the populace) was a grand deception perpetrated by members of the Crown Temple in order to fool the American colonists into believing that the American colonies had been granted their independence from Britain. This was not the true state of affairs however, for the thirteen American Crown Colonies simply became Crown States which are collectively known as the United States of America, a private corporation owned by the Crown Temple. Well meaning, but ill-informed, Americans who proudly displayed the American flag after the occurrence of the 9/11 tragedy, were in effect, pledging their allegiance to the Crown Temple!

As a direct result of the treasonous acts perpetrated by the Founding Fathers, the American populace has unwittingly been held in bondage by the British Crown whose agents are the various American Bar Associations. Common Law, which is really Roman Imperial Law, is anathema to the various American Bar Associations since it simply orders members of the populace to behave themselves and not infringe upon the rights of others. Common Law is so simple to implement and understand that, for a few glorious years, the Commonwealth of Virginia barred members of the legal profession from its territory, referring to them as "vermin." It is imperative to comprehend that the term "legal" does not imply the observance of ethical or equitable conduct. In fact, Abott's Law Dictionary states that the term "legal" means that prescribed rules must be obeyed and that "legal" is the antithesis of "equitable."

The failure of the American populace to demand that all trials be held in accordance with the practice of Common Law opened the door for rapacious lawyers and politicians to rule America through the issuance of an unending torrent of dictatorial statutes. At the present time the American public is held in financial and political bondage through application by the corrupt judicial system of more than *sixty million statutes*. Throughout recorded history dictators have risen to power through the assistance provided them by the military and law enforcement agencies. Readers should be aware that the fundamental purpose of the military and law enforcement arms of government is not to protect the populace, but rather to enforce the oppressive statutes issued on behalf of the Illuminati and Vatican controlled British Crown. In this respect we must not overlook the plethora of treasonous Executive Orders and Presidential Private Memorandums issued by various American Heads of State, as exemplified by Executive Order 12333 issued by President Reagan, which authorized the establishment of a secret United States government.

As was mentioned in the first chapter of this book, the Illuminati intends to establish totalitarian rule globally by means of controlled nuclear war, famine and plague, genocidally slaughtering much of the global population in the process. Is it not incumbent upon the global populace therefore, to prevent the planned horrendous genocide? Admittedly, the majority of the populace haven't even pondered the problem, even though their very existence is dependent upon whether or not they face and address the situation, then act upon it in a positive manner.

The relatively small segment of the populace who are cognizant of the Illuminati master plan for global supremacy have, for the most part, elected to counter the threat in two different ways, both of which the author disagrees with. The first way is by means of anarchy. By its very definition anarchy dispenses with organizational

structures which invariably leads not only to chaos, but also to societal control by violent and corrupt thugs.

The second way is by the establishment of patriot groups. In America, the patriot movement, which appears to largely consist of Christian Fundamentalists and White Supremacists, was covertly created and infiltrated by the FBI and Special Forces personnel for the purpose of identifying political dissidents. Such members will be quietly rounded up under cover of darkness and subsequently incarcerated or executed. Just as Hitler orchestrated armed civil unrest perpetrated by his Brown Shirts, which included the Reichstag fire as a ploy to fooling the German populace into approving a draconian law and order referendum, so one of the Illuminati contingency plans calls for the public approval of a new draconian United States Constitution. This proposed Constitution was drafted by a social studies group in Santa Barbara, California with the aid of a multi million dollar grant provided by the Ford Foundation. The preamble to this treasonous Constitution, states that it is envisaged that the new Constitution will be needed in order to provide law enforcement with sweeping powers necessary for the purpose of quelling civil unrest. This heinous Constitution also confers the United States President with election to a life term.

The first chapter in this book presents abundant evidence that the Bush cabal was involved in the 9/11 disaster and should be brought to justice. The United States military Chiefs of Staff and those of flag officer rank, have treasonously elected not to do their duty and effect the military arrest of this criminal cabal on behalf of the American public. Is there nothing that can be done to change this appalling state of affairs and commence the establishment of a better world? It would be a simple matter for a mere handful of high tech partisans to retaliate by burning out the majority of electrical wiring nationwide, both here and in Europe, by means of home

made radio controlled electromagnetic pulse weapons, carried aloft by means of weather balloons or gasoline/hydrogen peroxide fueled rockets. Such an act would immobilize the electronic funds transfer system, halt transportation and most means of communication, but would not only be an act of sedition (insurrection against lawful authority) but undoubtedly would result in a chaotic breakdown in law and order, as was evidenced during the Russian Revolution, where many innocent members of the professional classes were murdered by mobs.

The author believes that the first step towards the establishment of a veritable paradise on Earth can be accomplished through the lawful dismantling of the Illuminati owned energy cartel and transnational corporations who owe allegiance to no nation. This is not an impossible task if pursued methodically and with passion. The key to accomplishing this task would be the low profile grass roots establishment of a global village, consisting of a global network of self sustaining communities or cooperatives.

Well known cooperative systems, such as the kibbutzes of Israel, are unacceptable candidates for this task due to their inefficiency, which is why Israel is heavily dependent upon the largesse of western nations for its very survival. The kibbutz practice of job rotation, where a person pushes a broom on the factory floor after completing a five year stint as chief engineer for instance, inhibits creativity. What is needed is a very dynamic and economically efficient cooperative system, in which members receive salaries commensurate with their skill level and also receive an equal share of the cooperative's profits. The cooperative network would possess its own educational and medical facilities, in addition to its own banking system and pre schools for working mothers. An impossible dream, you say. Think again. Consider the

outstanding success of the Mondragon cooperatives for instance.

The Mondragon cooperative network was commenced in the little town of Mondragon, which is located in the Basque region of Spain, almost fifty years ago, by a Catholic priest named Don Jose Arizmendiarietta. It is a classic example of public self empowerment at work for, as of 1996, the Mondragon network of cooperatives was the eighth largest economic unit in Spain, manufacturing and exporting such varied products as industrial robots and ferry boats. It is Spain's second largest manufacturer of refrigerators, and recently acquired a retail chain consisting of twenty three perfume stores. Mondragon has eighty six production cooperatives, eight agricultural cooperatives, fifteen construction cooperatives, a network of consumer cooperatives, forty four educational institutes, including its own university, and a credit union with more than one hundred and thirty branches, with total assets exceeding a billion U.S. dollars.

Mondragon creates an average of four new cooperatives annually. More than ninety percent of American businesses fail within the first five years following start up, yet in its almost fifty years of existence, only two of the Mondragon cooperatives have failed. This remarkable success story can be attributed to the fact that the Mondragon cooperative network has established, in addition to its numerous production oriented cooperatives, several cooperatives which specialize in research, education, health, technical training, financing and social services. A major key to the overall success of the Mondragon system is that its credit union has an entrepreneurial division, which conducts intensive marketing and location studies on behalf of groups wishing to form a Mondragon cooperative, in order to insure that the proposed cooperative will be commercially viable. The elected administrative body of the proposed new cooperative receives two years of administrative

training prior to start up of the cooperative, then receives additional guidance for several years from the entrepreneurial division.

As part of its integrated systems management approach, several Mondragon manufacturing cooperatives will form a mini conglomerate in order to capture, then maintain, a sizable portion of any market they wish to enter (for the sake of efficiency, Mondragon has found that the optimum size for a cooperative is about four hundred members).

A global network of cooperatives would, in effect, constitute a major political system, so it behooves us to evaluate its performance when compared to existing major political ideologies. Communism and Socialism purport to rectify social injustice and inequality of wealth, which are admirable objectives, but attempt to resolve such problems by placing ownership of everything in the hands of the State. History has shown in such geographically and ethnically diverse nations as Russia and Britain that these political doctrines result in a burgeoning bureaucracy, authoritarianism, lack of worker incentives, and a stifling social environment for the proletariat, thereby boosting the appeal of capitalism, with its emphasis on materialism.

A major attraction of capitalism is that wealth enables one to purchase variety in one's life; unfortunately, such a doctrine also results in a monetization of pleasure—a lifestyle in which one gradually equates pleasure with that which must be purchased. For instance, the growing custom among the more affluent members of capitalistic societies of purchasing flowers from a florist shop with which to decorate one's home, instead of deriving the pleasure of growing and nurturing flowers in one's own garden. By far the most insidious problem created by the adoption of capitalism at the present time is the transfer of wealth from the many to the few. Much of this wealth

transfer has arisen from the unethical practice of hostile corporate takeovers. Such corporate acquisitions and mergers invariably result in the loss of a company's pension funds, causing workers approaching retirement age to face a very bleak future.

When considered as a political entity, the benefits—monetarily, socially and culturally, afforded by the Mondragon network of cooperatives clearly outweigh those of the political systems outlined above. Under the Mondragon system the administrative body is selected by a general assembly of the work force. Egalitarianism is assured by fixing the wage differential between the highest and lowest wages at a ratio of three to one, as opposed to transnational corporations, where the ratio is frequently several hundred to one. Incentive to perform well is attained among Mondragon workers by virtue of the fact that the workers are also entrepreneurs who are encouraged to develop new enterprises. Thirty percent of the Mondragon profits are retained to cover operational costs and also for expansion. The remaining seventy percent is held by the credit union and paid into the members individual internal accounts.

The Mondragon system can, to a certain degree, be considered to possess an existentialist overtone in that it allows one to establish his or her personal uniqueness as an individual, something obviously lacking under socialism or communism. Admittedly, in keeping with all political ideologies, the Mondragon system requires a degree of conformity. In this instance however, it is the need to foster a community spirit which is a quality lacking in most societies today and also to excel at ones trade or profession, in order to ensure the marketability of the cooperative's products.

Given adequate implementation time, a global village consisting of a network of efficiently operated cooperatives, could well supplant all other forms of

economic systems, and spell the end of Illuminati dominance over humankind. Naturally, such an efficient system would be anathema to the parasitic bureaucracies currently infesting planet Earth, for who would elect to remain under the authoritarian dominance of current national governments when instead, by becoming a member of an efficiently administrated cooperative network, they would enjoy an affluent lifestyle, replete with advanced health and social services and an educational system designed to truly educate, not indoctrinate, the children of the cooperative.

For such a cooperative system to become a reality in America, the author suggests that the cooperatives should be designed to co-exist with the Federal government and not adopt the bellicose posture exemplified by the Patriot Movement. For all practical purposes, it would be possible for cooperative members to take themselves out of the Federal system by providing each member with two pure trusts in which to place their personal assets. Under this system members would receive an annual salary of twelve thousand dollars, upon which they would file with the Internal Revenue Service as compensation received. This would lawfully exempt members from paying a Federal Income Tax (the Internal Revenue Service is a Puerto Rican Trust, and not a branch of the United States Treasury Department, as is falsely claimed) and avoid the problems encountered by those citizens who elect to declare themselves Sovereign Citizens, which is tantamount to waving a red flag in front of the Federal bull. Cooperative profits could be administrated under an established common law financial system, provided care is taken not to traverse the Federal financial system, which would then automatically place cooperative finances under the scrutiny of the Federal Treasury Department.

At the present time, the world is on the brink of an economic meltdown, which invariably occurs when

nations abandon the gold standard and commence the issuance of fiat paper currency. In addition, as mentioned in previous chapters, a nuclear world war is almost inevitable. This would necessitate each cooperative to be fully self sustaining in regards to food, water and electrical power—technologies covered in this book. Each cooperative therefore could procure ample pure water by drilling into rock formations, with which to grow its own produce, using electrical power supplied by means of free energy systems. By adopting the agricultural nutrient system presented in this book, diseases so prevalent among urban dwellers, such as cancer, would be virtually eliminated within the cooperative communities.

In the event of a global economic collapse, it is doubtful whether the Mondragon system would survive since its cooperatives depend upon public utilities for the supply of water and electricity. In addition, those Mondragon units which are industrially based would have their marketing outlets curtailed, driving them into insolvency. It is for these reasons that the author believes that each cooperative in a network should be able to sustain itself, even when there is no market for its retail products.

Acquiring suitable land for a cooperative such as the Mondragon ones can be very expensive. This problem can be resolved quite readily however, if a cooperative adopts the technologies presented in this book, for it enables the use of very inexpensive desert land, whose rock fissures can yield water in abundance.

If a global village consisting of a cooperative network, as outlined in this chapter, eventually becomes a viable reality, in which ways could it change civilization as we know it today? A major change would be the empowerment of women, resulting in the elimination of a glass ceiling as far as female job advancement was concerned. This would be because every adult member of the cooperative participates in the voting appertaining to

personnel matters such as job promotions. Cooperatives developed in desert environments would possess both the technological and economic capabilities to commence reforestation projects in their own localities without resorting to the use of harmful artificial fertilizers or pesticides. The adoption of free energy systems would drastically reduce global pollution since fossil fuels would only be required for the manufacture of petrochemicals. As is becoming better known, soybeans contain anti nutrients and enzyme inhibitors which create estrogen problems when eaten, unless the beans are converted into fermented food products such as soy sauce and miso. Some cooperatives could in the future grow soybeans both as a nitrogen fixer in the soil and also because a very safe, virtually odorless non volatile solvent can be synthesized from them as a replacement for environmentally harmful and widely used solvents, such as acetone and methylene chloride.³

Cooperatives developing their own free energy systems could also develop their own free energy propulsion systems for their aircraft and vehicles. Hopefully there will come a time when the majority of the global populace opt to join the cooperative network. Such an event would so impoverish the tax base of national governments (or the world government) that no government would possess the necessary wealth to sustain a massive military or law enforcement agency. It would behoove each cooperative however, to possess the ability to create such advanced armaments as beam weapons and infrasonic cannons in order to protect itself from any belligerent forces, possibly of extraterrestrial origin (the author reminds readers that it is unlawful for the public to develop or manufacture such weaponry at the present time).

As Illuminati controlled governments crumble, the door will be opened for cooperatives to develop their own health care facilities which incorporate beneficial healing modalities presently outlawed by corrupt Federal agencies

and medical associations. Such modalities could include for instance, the application of specific light frequencies which stimulates the blood to produce nitric oxide, a substance which is both a neurotransmitter and a powerful probiotic, thus offering hope to persons suffering from neurological illnesses such as Parkinson's Disease. Provided the agricultural system advocated in this book is adopted, fruits and vegetables grown by the cooperatives will contain very high levels of vitamins and enzymes, both of which are sadly lacking in produce grown with the aid of artificial fertilizers. In this manner, the life expectancy and the quality of life of members of cooperatives will be enhanced.

Most publishing houses of note are owned by stockholders who are sympathetic to Illuminati goals. Since a book such as this one is anathema to the Illuminati for obvious reasons, very few independent publishers possess the courage to undertake the publishing of such books. It is therefore imperative that if a global network of cooperatives becomes a reality, it develops its own publishing system, especially for the publication of books which instill in the reader a loving awareness and respect for nature so that cooperative members become effective stewards of planet Earth, and also become aware that animals have feelings too.⁴

Perhaps the brilliant success of the Mondragon cooperative system is due to its integration of collective ownership with individual ownership, thus providing each member with both individual ownership and the ability to participate in an organizational culture which permits one to work, shop, live, and acquire higher education within the cooperative network. Another reason for the Mondragon success is that its network of cooperatives has structure, without which, chaos would have prevailed, as it has in some ill-conceived cooperative ventures in the past.

The Illuminati has retained its stranglehold over the affairs of humankind throughout recorded history, not by accident or luck, but by its determined policy of divide and conquer whereby various political, religious and military factions are pitted against one another. Humankind will never rid itself of poverty, disease or wars fomented by its Illuminati overlords unless it learns that we are all fellow members of the human race, not rivals in it. The establishment of a global village as outlined in this chapter would not only be a very dynamic and rewarding undertaking, both materially and spiritually, but may represent the only key available to us with which to free ourselves from the oppressive Illuminati prison. So why not turn the key and acquire freedom?

Epilogue

When the author was eighteen months old he contracted what was believed at the time to be a terminal illness; since that near death experience, he has possessed the ability to astrally project. During an out of body experience which occurred in 1971, he encountered five highly spiritually evolved non physical beings who informed him that he must write a revisionist history of the world. The purpose of the book was to take the readers out of their comfort zones, by presenting them with the truth regarding such diverse subjects as the true location of Atlantis, the duplicitous acts of the Illuminati, and the fundamentals of free energy technology. It was hoped that such a book would generate a word-of-mouth pandemic among the global populace in order to finally collapse the Illuminati House of Cards thus permitting humanity to create a better world which emphasizes love, not hate.

It was not until later that the author learned that the non physical entities that he had encountered were associated with a non physical directorate who were the overlords of a group of terrestrial mystics known through the centuries as the Khwajagan. It is the role of the Khwajagan to intercede in the political affairs of the world periodically, in an attempt to elevate the level of human spirituality.

These non physical entities stressed that the author should conduct an in depth study of the research of Nikola Tesla and Dr. Wilhelm Reich. The author felt that this would be a daunting task since the published works of Reich had been publicly burned in 1956 by order of a corrupt judge. Reich's books were not republished until the late 1970's. To make matters worse, in order to protect his financial interests the wily

Tesla sometimes included obfuscation as an element of his energy patents, thereby rendering them difficult to comprehend.

Shortly after his meeting with the five non physical beings, the author had a "chance" encounter with a pediatrician who had been one of Reich's research associates at the time when Federal goons arrested Dr. Reich and destroyed his laboratory equipment with axes. He provided the author with access to a copy of Reich's research notes which enabled him to acquire a knowledge of weather engineering and orgonotic science.

At that time period the author was a member of a small spiritual healing group. Upon concluding a healing session with an elderly female metallurgist who was dying from heavy metal poisoning, she asked him whether he had heard of Nikola Tesla. Upon answering in the affirmative, the lady smiled and took him to her laboratory which adjoined her house. There, on a workbench sat a very old free energy unit. She explained that after Lewis Cass Payseur had instructed his financial lackey J.P. Morgan to cancel Tesla's funding, the inventive genius quietly rented laboratory space in Portland, Oregon where he invented his so-called "death ray," which purportedly would have the capability of flash-freezing the inhabitants of a distant city if the device were to be tuned to a quarter wavelength of the distance between the target city and the device.

One day, continued the lady, Tesla felt a tug on his coat sleeve. Looking down he saw the landlord's twelve year old son, who said: "Mr. Tesla, will you teach me all you know? Tesla was so impressed that the boy became one of Tesla's enthusiastic proteges, and later married the lady the author had just met. The lady then provided the author with some of her late husband's research notes on free energy and anti-gravitic technology. In this

manner, many doors were opened thus enabling the author to acquire meaningful data for his two books.

During the three decades it took to research and write his books, the author became involved with exorcism where he experienced encounters with hostile reptoids from the lower astral realms of existence. This was a period where he met people deemed by psychiatrists to be delusional but were, in actuality, victims of mind control. Some of these survivors of insidious mind control projects were members of satanic cults, others were trained to be military assassins, while others were trained from infancy by the notorious "Angel of Death" Josef Mengele, for their roles as very high level Illuminati slaves. Serving in a support capacity for these hapless mind control survivors gradually enabled the author to access the innermost secrets of the Illuminati, some of which are revealed in his first book entitled "*They Cast no Shadows*," which derives its title from a line in a poem recited at high level Illuminati human sacrificial rituals.

After collecting research material for a while, it became self evident to the author that there simply was too much informational data to fit into a single volume. Much of what passes for world history is actually a compilation of misinformation written for the purpose of justifying the acts of war perpetrated by the winning side. The author's first book accordingly was written for the purpose of presenting historical and also religious truths for the enlightenment of future generations so that they may perceive the covert influence of the Illuminati, which governs so many activities of humankind. In order to create a paradise on Earth, it is necessary for the global populace to have unrestricted access to abundant water and food, in addition to inexpensive energy sources not derived from fossil fuels. In this, the author's second book, all the requisite technology necessary for the creation of such an earthly paradise is presented.

Due to the extremely complex and varied nature of the research data, it has taken the author thirty two years to compile the historical data, construct expensive experimental free energy hardware and write his two books. In order to succeed in his assigned task the author has been obligated to allow the researching and writing of his books to take precedence over all other matters in his life, something those involved in his life probably will never understand. During these years he has refrained from becoming a member of any political party or becoming a member of any cultural or social group, in an attempt to present his data in as unbiased a manner as possible. On several occasions he nearly abandoned his project due to financial and other difficulties, but was always encouraged by the non physical directorate during his out of body experiences to continue. As one door closed, another always seemed to open, just as obstacles were appearing to be insurmountable.

Now that the author has only a few more lines of this book to write, was the stress, libel, slander and ridicule which appears to come with the territory when one writes a book of this genre, really worth the thirty two years devoted to this effort? Probably not, for it appears to be a peculiar idiosyncrasy of humanity that the do-nothing apathetic masses appear to take a vicarious pleasure in heaping scorn upon those few who attempt to make this a better world. If however, long after the author has departed this earthly realm, someone blows the dust off the cover of a copy of this book and applies the precepts contained therein to create a flourishing self sustaining cooperative, replete with its own free energy system and reforestation project, then the author's incarnation will have been worthwhile.

About the Author

Born in the county of Dorset, in the south of England, Brian Desborough has served as a Director of Research and Development for several American high technology companies, and has provided consultation to a company involved in deep space research. He lives in Southern California.

End Notes

Chapter 1

Shortly prior to her death, Barbara Olson's book *Hell to Pay*, was published by Regneri Publishing, Washington, D.C.. The book was a scathing attack on Hillary Clinton, whom she accused of being a liar and a Marxist. Icke, D. 2000. *The Biggest Secret*. Florida: Bookworld Idem. 2001. *Children of the Matrix*. Florida: Bookworld.

Chapter 2

1. Plato. Timaeus 30D.
2. Lovelock, J. 1979. *Gaia: A New Look at Life*. Oxford: Oxford University Press.
3. Much of SETI funding was diverted to "black budget" covert programs.
4. Becker, R. 1985. *The Body Electric*. William Morrow.
5. Benveniste, J, et al. June 30th, 1988. Human Basophil Degranulation Triggered by Very Dilute Antiserum Against IgE. Nature.
6. Dr. Lorentzen subsequently marketed his clustered water after it had received plaudits from physicians in America and Mexico. Since his product poses a severe threat to the transnational pharmaceutical companies, it should come as no surprise that Dr. Lorentzen has undergone harassment at the hands of the corrupt FDA administration.
7. Sheldrake, R. 1988. *The Presence of the Past*. New York: Collins.
Morphic fields probably interact with a substance found in the brain called neuromelanin. Difficult to analyze, neuromelanin is a semi conductor which is responsive to stimulation by light, sound and electromagnetic energy. It directs the activities of RNA and DNA, and modifies states of consciousness.
8. Gauquelin, M. 1969. *Influences on Human Behavior*. Aurora Press.
9. Collin, R. 1984. *The Theory of Celestial Influence*.

Chapter 3

Blueprint for a Better World

1. Hill, R. and Whittingham, C. 1955. *Photosynthesis*. John Wiley & Sons.
2. Rankama, R. and Sahama, T. 1950. *Geochemistry*. Illinois: University of Chicago Press.
3. Desborough, B. 2002. *They Cast no Shadows*. California: iUniverse Press.
4. September 26th, 1955. New Water Site Sells for \$1 million. Christian Science Monitor.
5. The collapse of the Soviet Union was engineered in order to create the impression that Russia was bankrupt. In actuality, the deception included the withdrawal of funds from the Russian private sector, causing great economic hardship to the Russian public. At the same time, Russia embarked on a major armaments build-up in preparation for launching a nuclear first strike on America. Disturbingly, Gorbachev is a member of the committee that selects which American military bases are to be decommissioned.

Chapter 4

1. The insidious eugenics program, which euthanized mental patients in Nazi Germany, received its initial impetus from the Harriman, Rockefeller and Kennedy families. The role played by British and American establishment families in the founding and also the funding of the Nazi Party is covered in the author's book *They Cast no Shadows*.
2. The Nazis and the Russians were not the only nations to have committed atrocities in W. W. II. Reports indicate that at least eight hundred thousand German prisoners of war, who had been incarcerated in American prisoner of war camps in Germany at the end of hostilities, died while in captivity from starvation, disease due to lack of even primitive sanitation, and exposure to the elements. This genocidal act was initiated by General Eisenhower who displayed a pathological hatred toward anything German, and ordered that the prisoners be "treated rough." He also had the status of German prisoners of war changed to "Disarmed Enemy Forces" in order to circumvent the terms of the Geneva Convention.

Prisoners were denied any type of shelter, and dug shallow pits in the earth with their bare hands in order to shelter from the rain and sleet; denied adequate water, some drank their own urine in order to slake their thirst. Red Cross vehicles arriving at the numerous camps with food and medical supplies were turned away. Some of the prisoners were women and young children. The atrocities were suppressed by American, French and British authorities. Great credit must be given to historian Colonel Ernest F. Fisher (Rtd.) and his wife, for revealing the military records which document this heinous act. The documentation is to be found in the book "*Other Losses*" by Canadian journalist James Bacque. 1989. New York: St. Martins Press. 3. Alexandersson, O. 1982. *Living Water*. Turnstone Press.

Chapter 5

1. Coates, C. 1996. *Living Energies*. Maryland: National Book Network.
2. Austrian Patent 136,214.
3. Austrian Patent 117,749.
4. September 23rd, 1993. Probe International.
5. 1998. Smil and Yuchi.

Chapter 6

1. Isaiah 13:22 (King James version).
Farmers were unable to irrigate their crops while Babylon was under siege. Plants withered, then violent winds from Persia eroded the soil, resulting in desertification.
2. Mumford, L. 1970. *The Culture of Cities*. Harcourt, Brace, Jovanovich.
3. The Drug Enforcement Agency has a history of protecting major Illuminati backed narco distributors, while at the same time arresting minor independent drug traffickers. If the agency was serious about drug enforcement, it would prosecute banks whose records show are major money launderers for the drug cartels, e.g. Coutts Bank, which is owned by the House of Windsor.
4. [Http://detagreens.tripod.com/hemp.htm](http://detagreens.tripod.com/hemp.htm).

5. The EPA enforced introduction of MTBE as an oxygenated gasoline additive, is typical of the corruption exhibited by this Federal agency. The EPA toxicologist who was assigned to determine the toxicity of MTBE prior to its introduction, found that it posed a severe health risk. Upon submitting her report, she was immediately transferred to work in a very remote Indian reservation in western Alaska. When she protested, her bank, credit card and Social Security data were erased. The author personally knows this lady. Despite the toxicology report, the EPA enforced its use as a gasoline additive, despite not only its health risks, but also the fact that tests had demonstrated that its use resulted in reduced gas mileage, thereby creating additional pollution. MTBE has permeated through the fiberglass walls of the underground gasoline storage tanks used by service stations, resulting in widespread ground water contamination throughout California. The additive generated windfall profits for gasoline suppliers and is known to cause neurological damage.

Chapter 7

1. The Principality of Monaco became a major processing and money laundering center for the Bekaa Valley opium.
2. Mittleider, J. 1975. *More Food from your Garden*. Santa Barbara: Woodbridge Press.
3. American suppliers of rock dust include Agrowin, Adzum. Mycorrhizae compounds are available from Biovam, Inc., Camarillo, California.
The distinguished etymologist Dr. Phillip S. Callahan, has discovered that paramagnetic rock particles such as granite and volcanic types, emit photons which stimulate root growth and the multiplicity of beneficial microorganisms. Paramagnetic soils retain moisture better than other types.
4. Paw paw, Hardy Kiwis, Sea Berries and Pineapple Guava plants, are obtainable from One Green World (www.onegi-eenworld.com).

Chapter 8

1. Helmholtz, II. von. 1858. *On the Integrals of Hydrodynamic Equations to which Vortex Motions Conform*.
2. Derek Bond is a director of SDAI Labs, La Jolla, California.
3. Whittaker, E. 1903. *On the Partial Differential Equations of Mathematical Physics*.
4. The author has had the pleasure of meeting inventor Hugo Zucarelli, who has developed a holographic sound system which displays a remarkable acoustic spacial quality when played back by means of conventional stereo audio equipment. The author had unsuccessfully attempted to interest the Hollywood movie industry in the invention since it would require no modification to existing movie theater audio equipment.

Chapter 9

1. Details of the late Rory Johnson's motor can be acquired at the website www.dnai.com/~zap/rory001.txt
2. A great deal of misinformation has been published concerning the so-called "chemtrails." In order to reduce the fire hazard incurred during aircraft crash landings, a jet fuel containing 8% ethylene dibromide, designated JP8, was introduced several years ago and is widely used by jet aircraft. The atmosphere often consists of strata several thousand feet in thickness, each layer containing a different level of humidity. When a jet aircraft flies in a high humidity atmospheric layer, the ethylene dibromide emitted in the engine exhaust, behaves as a cloud seeding agent, creating visible condensation trails which persist for several hours. Such trails are what ill-informed New Agers call "chemtrails."
When the U.S. military build-up for the second Gulf War was in progress, military transport aircraft delivering military equipment to the Middle East frequently flew in tandem, one aircraft usually flying several thousand feet higher than the other, in order to avoid turbulence. Frequently, one of the aircraft would be flying in a strata of high humidity air creating a condensation trail, while the other aircraft did not.

Admittedly, some covert spraying from aircraft does occur, usually at night and at low altitudes. This is often perpetrated in order to test the persistence in the soil of chemical warfare agents. A commonly observed factor encountered in animal mutilation cases is a daub of phosphorescent paint found on the back of mutilated cattle. Prior to spraying a field with a diluted chemical warfare agent, phosphorescent paint is applied to the back of a target animal. At a later date, it is easy to identify the target animal in the dark by means of the luminous patch on the animal's back. So called "silent" helicopters or terrestrially constructed flying saucers are probably used in such covert operations, in order to create the illusion that such activities are the work of malevolent extraterrestrials. A harmless red bacteria is sometimes sprayed in aerosol form in order to study wind patterns. During the 1930's, Nazi operatives sprayed the same bacteria in the entrances to the London subway tunnels, in case Germany decided to subject the London subway system to chemical warfare attacks. Aluminum particles have occasionally been sprayed at high altitudes in order to evaluate their efficacy as a radar interference agent.

"Chemtrail" aficionados claim that some compounds found as atmospheric contaminants must be the result of covert airborne spraying projects. In 1958, the insane Argus Project involved the detonation in the Van Allen belts of three hydrogen bombs, which caused the two belts to fuse. Resultant fused particles collided with other naturally occurring particles and fission products hurled into the atmosphere at high velocity from terrestrial nuclear tests and nuclear waste dumps. These high altitude particulate collisions result in the formation of various compounds such as lithium, beryllium, fluorine, chlorine and unstable heavy isotopes of hydrogen. Unless nuclear waste dumps are eliminated and the use of nuclear energy terminated in order to prevent the on-going atmospheric bombardment by high energy nuclear particles, major global warming, and increased earthquakes, volcanic activity and even possibly atmospheric hydrogen fusion implosions, will probably occur.

In addition to writing aviation books which are classics in their field, Trevor James Constable also has written two excellent books of an esoteric nature:

The Cosmic Pulse of Life. 1990 (3rd edition). Borderland Sciences Foundation. P.O. Box 429, Garberville, California 95542.

Loom of the Future. 1994. Idem. This lavishly illustrated and informative work presents Mr. Constable's weather engineering technology.

3. The U.S. Patent number of Edwin Gray's free energy motor is 4,595,975, dated June 17, 1986.
4. Vasilatos, G. 1996. *Secrets of Cold War Technology: Project HAARP and Beyond*. Illinois: Adventures Unlimited Press.
5. Lindemann, P. 2000. *The Free Energy Secrets of Cold Electricity*. Clear Tech, Inc, P.O. Box 37, Metaline Falls, WA 99153.
5. The author has interviewed an electrical engineer who assisted in the development of Edwin Gray's motor; he confirmed that it was a free energy system.
6. Details of the Don Smith circuitry are presented in the book *An Answer to America's Energy Deficit*, published by The Tesla Book Company, P.O. Box 121873, Chula Vista, California 91912.
7. Puharich died when he fell down a flight of stairs and broke his neck, after successfully demonstrating his hydrogen powered vehicle. In keeping with Humpty Dumpty, did he fall, or was he pushed?
8. Graneau et al, 1996.

If any reader attempts to repeat the water gun experiment, he or she is cautioned not to peer down into the cylinder as the water arc is triggered, or they will experience the last day of the rest of this life!

Chapter 10

1. Padelford Fay and Company vs. The Mayor and Aldermen of the City of Savannah, 14 Georgia 438,520.
2. Queen Elizabeth fired Australian Prime Minister Gough Whitlam, after he attempted to investigate activities at the

super secret U.S. National Security Agency base known as Pine Gap, which is located in central Australia.

3. The author has formulated soy based nail polish remover and graffiti remover which is practically odorless.
4. Hopefully, members of cooperatives will refrain from the barbaric practice of breeding animals in order to develop a specific physical appearance, which frequently results in hyperactivity, congenital hip displasia, or as in the case with Persian cats, breathing difficulties.