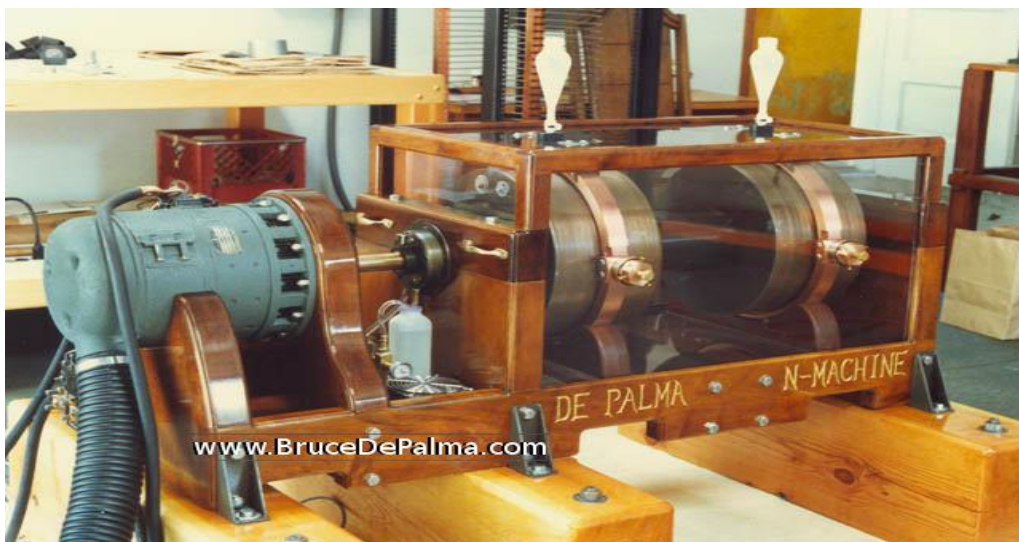


Bruce De Palma and the N Machine

(and Edgar Mitchell!)





Physicist Bruce DePalma has a 100 kilowatt generator, which he invented, sitting in his garage. Educated at the Massachusetts Institute of Technology and Harvard, he claims that his electrical generator can provide a cheap, inexhaustible, self sustaining and non-polluting source of energy, using principles that flout conventional physics and are still not fully understood. His N machine, as it is called, is said to release the **"free energy"** latent in the space all around us. DePalma views his device as an innovation that could help to end the world's dangerous dependence on supplies of oil, gas, and other polluting fuels. See BruceDePalma.com

The DePalma generator is essentially a simple magnetized flywheel. His astonishing claim is that the present version of the N machine can generate up to five times more power than it consumes. This, of course, defies the basic law of the conservation of energy, which says that the output of energy cannot be more than the input. Most physicists simply refuse to look at DePalma's findings and dismiss his theories out of hand.

Yet "proof of principle" for his invention was apparently provided when a large N machine, dubbed the Sunburst, was built in 1978 in Santa Barbara California. The Sunburst machine was independently tested by Dr. Robert Kincheloe, professor emeritus of electrical engineering at Stanford University. In his 1986 report (presented to the Society for Scientific Exploration, San Francisco, 6/21/86), Kincheloe noted that the drag of the rotating magnetized gyroscope is only 13 to 20 percent of a conventional generator operating at an ideal 100 percent efficiency. The DePalma N machine therefore could produce electricity at around 500 percent efficiency.

In Kincheloe's cautious summary: "DePalma may have been right in that there is indeed a situation here whereby energy is being obtained from a previously unknown and unexplained source. This is a conclusion that most scientists and engineers would reject out of hand as being a violation of accepted laws of physics and if true has incredible implications."

"The jury is still out on the DePalma N machine," says physicist Harold Puthoff, a senior fellow at the Institute for Advanced Studies in Austin, Texas. "It isn't clear where the reported excess energy is coming from - whether out of the electromagnetic field or as the result of some anomaly associated with rotating bodies in terms of inertia. The DePalma machine needs to be replicated on a broad scale to see if it actually works. Though I'm rather skeptical, I certainly would encourage independent laboratory experimentation. While such a phenomenon would have seemed to absolutely go against the law of energy conservation a number of years ago, we now recognize that the potential for extracting energy out of so called empty space is in fact a reality."

Dr. Puthoff believes that a new, non-polluting energy source may be achieved by tapping the force of random fluctuations of jostling atomic particles within a vacuum. "We now know that empty space is filled with what are called vacuum fluctuations: huge amounts of energy that suddenly burst forth from the nothingness of space. Zero Point Energy is the general term applied to the theories that attempt to explain the concept of tapping into the abundant power available directly from the vacuum of space itself.

DePalma described his N machine and outlined a theory to explain its workings in a paper, "On the Possibility of Extraction of Electrical Energy Directly From Space," published in the British science journal, *Speculations in Science and Technology* (Sept 1990, Vol 13 No 4). So far, the scientific establishment either has ignored DePalma's controversial claims or remains unaware of them.

DePalma is quick to point out that the N machine is not a perpetual motion machine, that mythical contraption long sought by many frustrated inventors. "The perpetual motion machine is only supposed to run itself. It could never put out five times more power than is put into it. Perpetual motion schemes used conventional energy sources, whereas the N machine is a new way of extracting energy from space."

Meanwhile, other countries, notably India and Japan, are vigorously pursuing what might prove to be a technological breakthrough. (is this yet one more example of the Invented in USA/Made in Japan syndrome, the outcome of American shortsightedness and vested interests?) In India, eminent engineer Paramahansa Tewari is currently testing his invention, called the Space Power Generator (SPG), which essentially replicates DePalma's N machine. With 5 kilowatts total power input, the SPG is reportedly yielding 30 kilowatts of electrical power output. (correspondence to B. DePalma 8/13/90).

Tewari, a senior engineer with India's Department of Atomic Energy-Nuclear Power Corporation, also directs the Kaiga Project, India's largest atomic power facility, in Karnataka. He freely acknowledges his debt to DePalma, who has shared his experimental results with Tewari for many years. According to Tewari, "The electrical power generated by the Space Power Generator is indeed commercially viable and should be brought to the notice of the general public." He has urged India's Atomic Energy Commission to create an independent research group to advance free energy technology. Tewari also credits John Wheeler, the prominent American physicist and discoverer of the black hole, for his steady encouragement. Wheeler, who had been searching for a mathematical theory that would predict free energy, applauded Tewari for his efforts to develop such a theory, and the two scientists corresponded for a number of years.

The Japan Science Foundation, under Japanese government auspices, awarded grants to two universities and one company to produce models of the N machine and to investigate how it works. Kazama Giken Corporation is commercially supplying small N machines for research and educational purposes. Another Japanese company, Panasonic/National, is also pursuing this technology. Shiuji Inomata, Ph D president of the Japan Psychotronics Institute and senior scientist at the Electrotechnical Laboratory in Ibaraki, has been instrumental in sparking the interest of Japan's scientific community in the N machine.

"One day man will connect his apparatus to the very wheelwork of the universe... and the very forces that motivate the planets in their orbits and cause them to rotate will rotate his own machinery," predicted Nikola Tesla, the Croatian born American electrical genius whose discoveries and inventions rival those of Edison. Proponents of the N machine believe that it taps directly into a primordial energy source, meshing with the wheelwork of the cosmos.

"Electrical engineering took a wrong turn 160 years ago," according to Tewari, referring to English scientist Michael Faraday's pioneering work of the world's first dynamo. In 1831, Faraday performed a series of experiments which led to the modern electric induction generator, having two moving parts--a rotor and a stator. Faraday moved a wire near the pole of a magnet, producing an electrical potential across the ends of the wire. This induction principle is used in all the electrical generators we use today. And that's precisely what Tewari means by a "wrong turn." In that same year, 1831, Faraday also performed a simple yet ingenious experiment with a rotating magnetized conductor. The resulting phenomenon (free energy?) has yet to be explained in terms of conventional scientific theory.

By cementing a copper disc on top of a cylinder magnet, and rotating the magnet and disc together, Faraday created an electrical potential. After pondering this phenomenon for many years, he concluded that when a magnet is rotated, its magnetic field remains stationary.

Thus, he reasoned, the metal of the magnet moves through its own field, and the relative motion is translated into electrical potential.

Faraday's experiments led him to the revolutionary conclusion that a magnetic field is a property of space itself, not something attached to the magnet, which merely serves to induce or evoke the field.

Known for over 150 years, the Faraday homopolar generator, as his contraption is called, has been viewed by a handful of visionary inventors as a basis for evoking the free energy latent in space. They see it as the prototype for a generator capable of providing its own motive power with additional energy to spare. When the world embraced Faraday's two piece induction generator, whose drawbacks include mechanical friction and electrical losses, the enormous potential of the Faraday homopolar generator was abandoned, in the opinion of free-energy proponents.

Following in Faraday's footsteps, DePalma in 1978 speculated that free energy could be tapped from the matrix of space simply by magnetizing a gyroscope. "I reasoned that the metal of the magnetized gyroscope moving through its own magnetic field, when rotated would produce an electrical potential between the axle and the outer edge of the rotating magnetized flywheel."

This insight led to his N machine, essentially a one piece rotating magnetized flywheel, instead of having a rotor and a stator, as do conventional generators, the N machine only has a rotor. Half of the flywheel is the north pole, the other half is the south pole. One electrical contact is put on the axle, another contact is placed on the outer edge of the gyroscope, and presto, electricity is taken directly out of the magnet itself.

For 150 years after Faraday's controversial experiment, no one bothered to see whether or not a rotating magnet generator would have to do the same amount of work as a conventional induction generator in order to produce an identical power output. Then, in 1978, the Sunburst homopolar generator was built. Testing determined that its output power exceeded the input needed to run the machine, that it was significantly more efficient than an induction generator.

Opinions differ as to the exact mechanisms by which the N machine generates energy. In 1977 Tewari created a minor sensation when he put forth the theory that space is filled with a dynamic medium whose swirling motion is the source of all matter and energy. In his Space Vortex Theory, more fully developed in his 1984 book, *Beyond Matter*, the Indian engineer inventor postulated that a void lies at the heart of the electron-- a void whose high speed rotation within a vacuum could produce energy from space. Tewari's theory is based on the assumption that the electron has a definite structure, and is not just a homogeneous "droplet of charge."

According to Tewari, the movement of "voids" in the spinning magnetized cylinder of his Space Power Generator liberates free energy out of the space between the machine's axis and the magnet. He readily admits that this sounds incredible, by the yardstick of known laws of physics. Tewari says he never would have developed his theory had he been trained as a physicist rather than as an engineer, since his ideas differ so radically from conventional physics.

"Tewari's explanation is perfectly possible," comments DePalma. "He is attempting to conceptualize what's happening between the atoms and where the energy is liberated."

"My own approach," continues DePalma, "is that space is all around us like the sea of water the fish swim in. The only way you know it's there is to distort it in some way, and the simplest way to distort space is with a magnet." DePalma maintains that his own conception of magnetism as a distortion of a pre-existent homogeneous field is, "the first new thought on the fundamental nature of magnetism since Oersted." For example, modern science says that energy is a constant substance in the universe, and that the conversion of energy from one form to another will lead to the heat-death of the universe eons from now. In contrast, DePalma says, "My cosmos is an open-ended universe, one in which energy can be evoked from space itself. All energy comes from space," he maintains, "and there are various processes which can release this energy, the simplest of which is lighting a match or rubbing two sticks together."

Suppose you light a candle. The heat in the flame derives from the release of latent heat stored in the wax, according to the textbooks. Nonsense says DePalma. The law of energy conservation is pure assumption, he insists. In his theory, the heat of a lit candle comes from space, and this substrate is slowly consumed by the energy of space flowing through it.

When you drive a car, the heat latent in the gasoline is extracted through burning, which propels the pistons. Right? Wrong says DePalma. His understanding of the process is that the gasoline-air mixture, catalyzed by an electric spark, acts as a "molecular antenna" to release energy from space. Heat energy thus releases or cooks or burns the substance with its evoking it in the first place, producing exhaust as a result.

Likewise, when a magnet is rotated, DePalma theorizes, the electrical current comes from the space through which the magnet is drawing its energy, not from the magnets mechanical rotation.

The turning point in DePalma's scientific career came while he was a lecturer at M.I.T., in the late 1960's when he began pondering the inadequacies of physical explanations regarding the gyroscope. Were there deeper principles operating in the behavior of rotating objects?

One of the first experiments he did was designed to detect if there was any difference in gravitational effect on a rotating object verses non-rotating object. The idea was actually initiated by a student of DePalma's and after an extensive search in the literature, no evidence could be found that the experiment had been performed before. It became an educational exercise to see if this variation on Galileo's big rock verses little rock falling experiment would show any variation in the rate of fall.

At this time DePalma was a senior scientist specializing in photographic sciences with the Polaroid Land Corporation and lecturing part time at M.I.T. His expertise ranged from highspeed stroboscopic photography, his mentor was the highly regarded Dr. Harold Edgerton, to Physics and Electrical Engineering. With this background he designed an experiment using two 1 inch diameter ball bearings, one not rotating and one rotating 18,000 rpm produced by a hand router. The assembly then was given a precisely measured thrust and photographed in the dark with a 60 cycle strobe light. Repeating this numerous times, and analyzing the parallel trajectories of the ball bearings as documented photographically, did indeed reveal a variation in the gravitational behavior of the rotating ball bearing verses the non-rotating ball bearing. The rotating ball given the same thrust, went to a higher point in its trajectory, fell faster, and hit the bottom of its trajectory before the non-rotating ball bearing. A second test repeatedly demonstrated a small but significant and clearly perceptible effect with a stationary mechanism designed to drop the ball bearings from a height of only six feet.

After years of reflection on these results he wrote an evaluation on May 3, 1977 called, "Understanding the Dropping of the Spinning Ball Experiment."

[http://depalma.pair.com/SpinningBall\(Understanding\).html](http://depalma.pair.com/SpinningBall(Understanding).html)

The conclusions are organized :

1. Rotating objects falling in a gravitational field are accelerated at a rate greater than G , the commonly accepted rate for non-rotating objects falling in a vacuum.
2. Pendula utilizing bob weights which are rotating, swing non-sinusoidally with time periods increased over pendula with non-rotating bobs.
3. A precessing gyroscope has a measurable anomalous inertial mass, greater than its stationary mass.
4. An anomalous field phenomenon has been discovered, the OD field, which confers inertia on objects immersed within it. This field is generated by the constrained forced precession of a rotating gyroscope.

One of the early devices DePalma used to observe these effects consisted of an apparatus that he called the, "Force Machine," which consisted of two counter-rotating gyroscopes described in "The Generation of a Unidirectional Force." April 22, 1974.

[Http://depalma.pair.com/GenerationofUnidirectionalForce.html](http://depalma.pair.com/GenerationofUnidirectionalForce.html)

The archetypical gravitational engine or Force machine is a combination of two counter-rotating gyroscopes with axles parallel and rotors co-planer. Constructed in 1971, the machine weighed 276 pounds. The assembly was suspended from a spring scale and the gyroscopes driven counter rotating to each other at 7600 rpm. Under these circumstances, the support cylinder was then rotated itself at 4 rpm to precess the two gyros. Precisely accurate measurements, consistently demonstrated 4-6 pounds of weight loss.

A variation of this device also described in this paper as the "Linear Force Machine," provided enough propulsion or "force against space itself" or "space drive" effect to propel someone across the room on a small cart.

In another experiment showing the properties of an "inertial field" created by the proximity of a rotating object, the frequency of a tuning fork in an Accutron watch is changed by this field effect as demonstrated by the variation in the time shown on the watch.

<http://depalma.pair.com/Absurdity/Absurdity09/NatureOfElectricalInduction.html>

The results of the Spinning Ball Experiment were published in the British Scientific Research Association Journal in 1976. This experiment was also outlined personally by DePalma to Dr. Edward Purcell, one of the most eminent experimental physicists from Harvard at that time. According to DePalma, Purcell, after contemplating the experiment for several minutes, remarked "This will change everything."

Also, Adam Trombly was at this same time being denied the ability to Patent his electromagnetic version of a homopolar generator by the United States Patent office. Their statements were to the effect that this particular configuration of a generator was, "implausible to the extreme." Others in the field were being threatened with a document referred to as Title 35, which is a cease and desist order related to national security and secrecy. This is a real document and it is very intimidating to be threatened by it - prison and fines.

Paramahansa Tewari, which much faith had been placed as a third party confirmation, was getting press but people were prejudice about the confirmations coming from India. This even though he was a senior governmental scientist, and the Director of a Nuclear Power plant at the time.

While the "N" effect was being validated elsewhere around the world, in United States the lack of support had led DePalma to consider offers of support from outside the country. The basic ability to feed and house himself became the constant primary concern, and something had to change for the sake of the research and physical well being of the inventor.

After meeting with everyone from the head of the Institute of Theoretical Physics in Santa Barbara, to the principles of Northern Pacific Railroad, no one would risk investment in DePalma. It revolved around two positions. One was the problem that no other physicists would agree that it was possible to extract electricity directly from a magnet, and two, every investor actually capable of producing the technology was hopelessly invested in industry which would be hugely negatively impacted by the development of an alternative energy source.

George Bush the First then invaded Kuwait, and DePalma could see the Future. Perpetual war for Peace and OIL. The Country to which he had been born, now looked to him like someplace unfamiliar. His principle financial supporter had been Court ordered, on instructions from the supporter's family, not to give him any more money.

DePalma left for Australia the night of the largest racial riot in Los Angeles's history.

Over the next four years he would produce several next generation N-machine demonstration models, culminating in a Quadrapole version which was documented using electrical input verses calorimetrically measured heat output - confirming efficiency greater than 100%. !

Bruce E. DePalma applied for and received citizenship in New Zealand in 1994. He graduated in 1997 and is buried on the edge of a beautiful beach in Karekare near Auckland.

The following articles provide background which could be of interest.

DePalma's last letter to the United States.

Comments: Authenticated sender is <antigrav@mail.ak.iconz.co.nz>

From: "DePalma Institute" <depalma@depalma.org.nz>

To: <josephnewman@earthlink.net>

Date: Mon, 28 Jul 1997 21:00:21 +1200

Subject: Energy

Priority: normal

Dear Evan:

Thank you for your interest in my work. I seem to recall we had spoken in the past when I was in America.

There are two aspects to the treatment of inventors.

1) Inventors who come up with inventions are highly protective of their work being that they have spent substantial time and money achieving their goal. They know the mendacious amorality of the world of money and business. In order to succeed in this world takes a combination of luck, skill, finance, and a good idea. Only some succeed.

2) Energy, applied through science, motivates the civilized world. It is more basic than money, which is only a paper promise. The inventor is the wild card in the world of finance. A new source of energy could bring down the empire.

Yes, I along with Joe Newman and Robert Adams truly know the magnitude of the beast. I make all my ideas public as I see myself more as a basic physical scientist and teacher than an inventor.

My solution was to leave the United States to find a place where I was not altogether encouraged but not discouraged. I am much happier here in New Zealand.

Thank you for the Email of the two faxes you received. I am not surprised to see the big boys are at work. The handwriting is on the wall. I had read some of Ehrenhaft's work in the past. It shows we don't know all there is to know about light, magnetism and electricity. My theory is that there is no theory. All we know is what we know from experience. My advice to Joe is to go where he might be appreciated. Where he is going and where America is heading are two separate directions.

If you need anything from me don't hesitate to ask.

Best wishes,

Bruce DePalma

N.B. God is in charge of this world. The truth is only for those who's ears hear the truth and who's eyes see the truth.

An "Open Letter" from Bruce DePalma
to Space Energy Association Newsletter:

EDITORIAL

7 September 1992

From:

Bruce DePalma

c/o Unlimited Vision

P.O. Box 248 Mullumbimby, N.S.W.

2482 Australia

FAX # 61 (66) 858-274

To:

Space Energy Association - SEA/US

Alternate Energy Systems

c/o Don Kelly

P.O. Box 11422 Clearwater, FL U.S.A. 34616

FAX # 1 (813) 442-3923

Dear Don,

This an open letter which you may publish in your Space Energy Journal. I very much appreciate all the coverage you have given the N machine in recent issues, and having been out of the United States now for five months and I can look back at America with somewhat clearer vision than I could see things from being in the midst of them while I was there.

I received two letters from you which came from William Hyde and Paul Brown, William Hyde being associated with his electrostatic machine; Paul Brown has done a lot of work in flux transformers and nuclear batteries, but I am not totally acquainted with his present work. At any rate they both have finally wakened to the fact that Free Energy technology is oppressed in the United States. And since I am here in Australia, and can see things more clearly than when I was in the U.S, I thought I had a few things I might add to their observations.

Yes, I have been threatened for my life. The first threat came from Edgar Mitchell, the astronaut who told me that the Government had said there "never was any doubt that the N machine was the Free Energy machine they were looking for, and if I tried anything on my own in California I would have my head blown off. And the CIA warned me via Mitchell that I should not leave the country because I would be kidnaped. This was back in 1980, when these efforts frightened me out of going to Hanover, Germany for Dr. Nieper's first Gravity Field Energy Conference, which is where P. Tewari brought his N machine from India and got the prize for the most clearly observable Free Energy phenomena to date.

In later years I have had my inventions confiscated by various groups, the first being the Sunburst Community, which helped me build the N machine you wrote about in your last issue, when their leader got dollar signs in his eyes and decided to see what he could do with it without DePalma. Later on other groups tried to manipulate me and control me in the sense that they would get everything out of me technically without any assurances that I would be paid for any more than one year's work. In fact, Mitchell's contract with me was a deal he was trying to set up where he was going to have to raise 150 - 300 million dollars and start a company which would be the size of General Motors in three to five years, and from then on, who knows? Out of this I would get a one year employment contract and \$30,000 and the possibility of maybe owning one or two percent of the operation; something I turned down because of my lawyers advice. And Mitchell, of course, blew up.

So then after that I had a deal with a company in Southern California called Micro CoGen, to buy N machines for a congeneration system, which was a pretty highly advanced system of its type. Anyway, Southern California Edison put them out of business because it got a list of their customers through some Law, and renegotiated the power rates lower so that the customers did not need to buy the machines anymore. More recently I have appeared on KPFK in Los Angeles, an independent, non-commercial, subscription supported station, very powerful 120 thousand watts or so FM. The most powerful FM station west of the Mississippi. And as soon as my name is mentioned one night on one of my shows, which was not even known that it was going to be on, the power went off for three hours. Now this may all be coincidental, and I may be paranoid. In the case of the power going off at the transmitter there was supposed to be some transformer maintenance, but it was scheduled for the following days. This was a Tuesday show, and it was suppose to happen Thursday. And without notice, as soon as Bruce DePalma was announced as the most controversial guest the talk show host Roy Tucuman has had on, then the juice went off and didn't reappear for three hours. We also did a show that night, but nevertheless things like this happen. And of course any kind of deal that I have tried to put together over the years, no matter how carefully researched and no matter how carefully documented and how well thought out and put together by lawyers and technical people, everything has fizzled out at the high end somewhere. So you go through this year in and year out and you wonder what's going on.

And you get no response from the responsible agencies in the government who you think should do something about this. For instances, NASA was finally instructed by a couple of congressmen, after I was on a U.S. wide daily talk show - The Chuck Harder 'For The People' show out of Florida - they requested NASA to do an investigation and they fiddled and piddled and made dates and changed dates, and then it all just went away. Air Force people came to see me and they said they cannot do this except on their free time, and it can't be known that they are associated with this. You have to see that after a while the message comes through to you that you are operating in a very strange kind of environment where most of the people around you believe that the laws of right and wrong and reason, the belief in the Constitution and lawyers and all of this is a kind of philosophy we hold on to, but the real activity

going on is a collection of corrupt lawyers in cahoots with corrupt businessmen and politicians who will do anything to maintain their control over fixed resources and then guarantee themselves some sort of income because they are sitting on all of it and we have to have it, and we have to pay for it piece by piece, every gallon, every kilowatt hour of electricity has to be paid for. And the thought that someone might have an independent source of energy in their own home which could disconnect from this, of course is not to be thought at all. It is too unthinkable. And if there is any cognizance paid to this sort of technology it is immediately classified and applied to military instruments; the most modern of which use enormous quantities of electricity. That is: Laser Death Rays, and Ship Propulsion Systems, Space Battle Station Power Systems, Mars Station Power Systems, and on and on...

So from the perspective of seeing things from Australia, I see America as a place where a lid was put on Science, and it started in the late '50's when "Secrecy" started happening and "Classified" conditions exist. And then there were layers and layers of classification and "need to know" and probably only certain "eyes only" committees, and so on... And it all adds up to the fact that Science, which thrives on the free interchange of ideas, is completely stopped in its tracks when no communication is allowed to exist. If this is not bad enough, we are living on a planet which has a collision in process between the number of people it can feed and sustain and the number of people that live here, and something has to be resolved about that. So any technological answers would be very welcome in a world which is going to starve to death, and maybe fight about it in the same way.

By putting a lid on technology and sequestering all the new information to themselves the only focus of it could be on military instruments and the idea of a people powered society non-taxable, uncontrollable, perfectly free group of people who are trying to learn how to live and get along by themselves - this is not a good thing for those planners and economic doctors, lawyers, politician and businessmen, all of whom have it all figured out down to the last stroke, providing the assets are fixed. So the reason I left America is because I think that America has passed the point of no return, as far as its ability to recover itself. Here in Australia the Australians more or less agree that they are thirty years behind the American, but what that means is that they still have a chance to recover themselves if they pursue an independent, non-aligned Energy Policy of their own. So basically what I am suggesting is this: It has gone on for too long now. We have global Energy Networks; Information Hot-lines which have copies of all the Free Energy papers circulating around the globe. This global awareness bypasses the Universities and all the fixed monoliths that stand on the way to progress. And if your readership is really interested in understanding the papers and the experiments and so forth, they shouldn't depend on the local professors to give them any help whatsoever because that whole educational dinosaur of a fixed University is obsolete by the global satellite computer interface University where all information is available instantaneously from somewhere, all you need is a computer and a modem. So people can tune into the Free Energy Network, and I do not have the figures at my fingertips right now, so you certainly could tell your readers about that. People in Australia are establishing a Free Energy Network computer access system where all the papers of all the people can be accessed.

This brings me around to the final point that I wanted to make in this letter, and that is my interest in bringing Free Energy into the world at a time when the world needs it, there's no doubt, there is no question that Free Energy does exist and there is also no doubt and there is also no question that the world is in big trouble. Energy being the source of all of our activities, if we can improve our take on the production of Energy, we would be helping this alot! And I am not just pushing for the N machine - The Rotating Magnet Space Power Generator, because this is only one of a number of different devices and machines which can elicit Free Energy. So what I am basically pushing for over here is a political awareness the Free Energy does exist and that is worthy of a place in the panoply of sciences like everything else, and that a laboratory should be established and open to those interested in this and this exclusively. The object of all this would be to produce power plants for non-polluting, self sustaining future for our planet. So the N machine may not be the "be all and the end all", but it is one of a number of apparatus which has been shown to produce excess electrical output over mechanical input. I think

the N machine being as powerful as it is, is more suitable to drive cities, airplanes, ships and locomotives than it is automobiles and homes.

There may be smaller versions of different principles which may be more applicable and makeable in large quantities for that application; but in the meantime I have a suggestion, and that is the Earth could adopt a Hydrogen economy. A Hydrogen economy based on gas developed out of the electrolysis of water generated out of N machines could produce Hydrogen at a third to a fifth of the cost at which Hydrogen is generally sold and distributed right now. This makes it a practical fuel for the automobile. Anyone could have a Hydrogen generator in their basement. They could have a tank of hydride through which the Hydrogen generated could bubble and charge this thing up, it could also service the stove and the air-conditioner, the heating and refrigeration uses of the home. Many people have thought about the Hydrogen economy and how we could slowly merge the fossil fuel economy into it, and then we could go into the all electric economy after that. But as an intermediate thought, an N machine which does not have to be powerful enough to be self-sustaining is very, very effective in electrolysis of water at low voltages and very high currents. And so such machines could be made cheaply, in fact they could be built by hand and electrolyzers attached to the output voltages and they could be driven by electric motors from the power grid or by gasoline engines or water power, wind power..

And these Hydrogen generators could charge Hydride in the fashion of the system developed by a man who was also harassed by the Government, Gerald Schafflander. Dr. Schafflander, as far as I understand, operated back in the seventies, built a Hydrogen car with the idea of producing the Hydrogen from electricity developed by solar cells in a desert environment with no clouds; and Hydrogen thus produced from the solar cells and the water, was then bubbled through a tank of Hydride which was then put in the trunk of the car and a small heating element liberated the Hydrogen which was then put into tubing to a carburetor adjusted for the burning of Hydrogen and the automobile or truck operated perfectly normal. Now this scheme is very applicable to our present society and of course produces no pollution at all, and the amount of Hydrogen which can be developed out of fossil fuels is much greater than you would get from the heat you would get from just burning the fossil fuels themselves. So the gain happens to consist in the electrolyzer N machine combination which seem to fit each other.

With that thought, your readers might consider constructing Hydrogen generator systems based on N machines and electrolytic cells and then digging out Schafflander's patent, or even to see if Schafflander is still in jail - put there by the SEC for the same kind of frivolous reasons they have been hassling Paul Brown and William Hyde. Maybe we could get Schafflander to come out. This system is very practical and will completely stop the burning of fossil fuel, petroleum and stop the production of smog and acid rain. So let's think about that. Thank you for your continuing support of my work.

Bruce E. DePalma

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October -November 1992

Space Energy Association

P.O. Box 11422

Clearwater, FL 34616

<http://groups.yahoo.com/group/new-energy-solutions>

From: P Tewari <ptewari1@sancharnet.in>

To: David Crockett Williams <gear2000@lightspeed.net>

Subject: India update

Date: Sunday, September 28, 2003 8:12 AM

Dear David,

This refers to your message, India update, 9/25/2003.

I would love to participate in teleconference on October 1, 2003,
but for the fact that my telephones are invariably disturbed.

I have already sent my comments.

Thanks for your kind considerations to propose my participation in the
conference.

Best wishes,
Paramahansa

From: P Tewari <ptewari1@sancharnet.in>
To: David Crockett Williams <gear2000@lightspeed.net>
Subject: On the space power generator
Date: Saturday, September 27, 2003 7:40 AM

Dear Mr. Williams,

This is further to my earlier report.

While engaged in construction of large nuclear projects, I had the rare privilege to formulate a new theory of space, matter and energy, namely, Space Vortex Theory (SVT), since mid-seventies of the last century, as a spare time research (hobby). The late Bruce DePalma, having been informed about this theory and my books, sent me some details and test results of his own research on rotating magnets: the "N - effect," as he named it. He sent me one of the test results of Adam Trombly's machine as well. My confirmation of the N - Effect came later through my own experiments. These test results showed extra power generation that was in violation of the law of energy conservation [LCE].

I had been looking for a positive experiment to prove the principles and the findings of the SVT and in this pursuit, I took up for experiments several systems of rotating electromagnets with different configurations / layouts of conductors and magnetic field starting since 1985. The results showed clear violations of Lenz's law -- considered to be the equivalent to LCE in electrodynamics. The late Dr. Stefan Marinov [reported to have committed suicide due to Nature magazine's persistent refusal to publish his valuable papers / comments on relativity etc.] too had reached similar conclusions on the violation of the Lenz's law through his own experiments.

Another conclusion of SVT pertains to the flow of current in a conductor: Between two co-linear elements of electric current, an attractive force should exist as per SVT. A similar conclusion, unlike Ampere's own measurements, was also reached by Dr. Marinov through his analysis. This effect, unacceptable to contemporary theories, plays a crucial role in the functioning of space power generator [SPG] at over-unity efficiency.

The applicability of LCE was initially found in the processes of mechanics and thermodynamics. That it should be applicable to electrodynamics too, and in fact to all the universal phenomena requires support from a basic theory of space and matter, one that should first explain [and also quantitatively derive] the genesis of mass, inertia, charge, gravity, etc.; i.e., should explain the basic nature of energy; should derive the earth's gravity field; and should explain the structure of the electron and its observed behavior of annihilation, etc.

The contemporary physics has to enlarge its scope to include explanations of the above and many more phenomena of astrophysics, but it can not be done, or rather, it is impossible to progress any further

having replaced the Cartesian space with the Newtonian space of emptiness.

[The analysis in SVT explains all the above basic phenomena and pinpoints the shortcomings / limitations of the modern physics.]

Thus, those critical of "overunity" machines, not having an appropriate theory to defend their stand, insist that only a self-running system will prove the authenticity of the new energy technologies. But to bring an over-unity machine to the self-running stage requires finances that individual inventors cannot afford.

The solution lies in organizing a conference in which it is made mandatory for the orthodox adherents of modern physics [quantum physics, relativity, astrophysics] in high government offices, and the editorial staff of so-called famous science journals to attend the conference and discuss their objections face to face with those inventors of new energy technologies who have appropriate theories and practical experiments to explain their inventions.

My experiments convincingly reveal that the space power generator works on a principle of reduction of the generator's reaction on its prime mover that is in violation of the Lenz's law. Though there is no creation of additional energy, yet the reduced reaction of the SPG on the prime mover produces more electrical power with a lesser work done by the prime mover. With this result, LCE requires a fresh definition. With further development of this system, I can predict that with resources made available, SPG units in megawatt range and more than 300% "efficiency" can be made soon a reality.

Best wishes
Paramahansa Tewari

From: P Tewari <ptewari1@sancharnet.in>
To: <gear2000@lightspeed.net>
Subject: Thanks
Date: Friday, September 26, 2003 8:37 PM

Dear Mr. Williams,
Many thanks for doing an excellent comprehensive report on my research.
I will send by tomorrow some additional points explaining the scientific reasons as to why the adherents of the contemporary physics are so much opposed to the theories and the experimental results of the new energy technologies.

A group of companies in Turkey has volunteered to build a 90 kW, space power generator. The machine is expected to produce 30 Volts, 3000 Amps, Direct Current, at about 300% "efficiency" in the immediate future.

The rest will follow tomorrow.

Best wishes,
Paramahansa

See more on P. Tewari's work, experiments, Space Vortex Theory, and his articles on the reasoning for the need for spiritual and ethical values to be integrated into modern "amoral," ie, "objective," science, at <http://www.tewari.org> In addition to being an inventor, fundamental new physics theoretician, and a leading electrical engineer of India, Mr. Tewari is also a world class author of articles (some also at above url), regarding the Vedic knowledge of Hinduism, which maintains the unity of all religions as, "facets of the Gem of The One Truth."

More on the work of Adam Trombly and Project Earth whose environmental modeling predicted in 1988 the complete destruction of all oceanic phytoplankton by 2008 due to ozone layer depletion, unless serious countermeasures were widely implemented by 1998 including moving away from fossil fuel combustion of oxygen to these so-called "new energy technologies." <http://www.projectearth.com>

India Today

"An engineer's invention excites interest"

by M. Rahman (December 1987)

[2 photos, not shown here, captioned:]

Paramahansa Tewari (top) and the generator: Futuristic Fantasy

In a tiny room in a Bombay suburb, an electrical engineer works on a machine that seems to have been conceived in a Sci-Fi book -- a generator which can ostensibly produce electricity from nothing. But the machine's creator, Paramahansa Tewari, 51, is not an eccentric inventor from one of Sukumar Ray's fantastic tales. He is a senior engineer with the Department of Atomic Energy's Nuclear Power Corporation (NPC).

Tewari created a minor sensation 10 years ago when he propounded the theory that space is filled with a dynamic medium whose swirling motion is the source of all matter and energy. He called it the Space Vortex Theory (SVT) which postulated that at the heart of the electron was a void whose high speed rotation within a vacuum could produce energy from space.

Interestingly, it was the Theosophical Society which had first published Tewari's theory by arranging a special lecture in 1977 at Adyar in Madras. The theosophists were excited by Newari's ideas since they were remarkably close to observations about the electron put forward by Annie Basined's associate, the clairvoyant Charles W. Leadbeater, in the book Occult Chemistry.

However, the first indication that Newari's ideas about the structure of space were more than just a mystic vision came earlier this year at a conference in Hanover organized by the German Association of Gravity Field Energy. The Space Power Generator (SPG) invented by Tewari won the first prize of RS 25,000 from among 25 similar machines presented at the conference by scientists from all over the world.

Tewari's generator is actually a simple machine, consisting basically of a magnetized cylinder rotating at high speed with the help of a motor. Power from this device is extracted by connecting a wire between the surface of the cylinder and its axis. According to the engineer-inventor, the SPG produces two-and-a-half to three-and-a-half times more power than it consumes, defying the basic physical law of conservation of energy which says that the output of energy cannot be more than the input.

Tewari says the excess power comes from the inter-atomic space of the rotating cylinder -- it is the movement of the "voids" in the spinning cylinder which creates additional energy out of the space between the machine's axis and the magnet.

Tewari readily admits that his theory sounds incredible taking into account the existing laws and that he would never have developed it had he been trained as a physicist and not an engineer, since it is so divergent from conventional physics. But, he says, it would have been difficult for him to go on with work on the SVT and the generator were it not for encouragement from two U.S. physicists, Dr. John A. Wheeler of the University of Texas, Austin, and Bruce DePalma, formerly a lecturer in physics at the Massachusetts Institute of Technology.

"But for DePalma, I wouldn't have been able to tie up my theory," says Tewari. "He was working on similar ideas and kept sending his results to me."

Though Tewari, who is slated for transfer to the NPC's Kaiga Project in Karnataka as chief project engineer, has pursued his interest in physics in his spare time, he has received infra structural support

from the NPC for putting together his extraordinary new machine. The SPG was built under Tewari's supervision at the Tarapur Atomic Plant.

"Tewari's prototype SPC can be considered a major breakthrough says S.L. Kati, managing director of NPC.. Before leaving for Hanover, Tewari addressed a meeting of scientists and engineers at the Bhaba Atomic Research Centre on his theory. But most physicists remained skeptical about his findings. Undaunted, he is experimenting with a new model of the SPG since his return, which he feels will be an improvement. He eventually hopes to create a prototype for a generator which could deliver 50 kw to 100 kw of electricity.

"The encouragement I received abroad has been a great help, and hopefully within a year, I will be able to build an experimental model which could ultimately prove commercially viable," he says.

Tewari, of course, is not the only engineer hoping to build the ultimate power generation machine -- one which will run perpetually since it will extract energy from space -- as the Hanover conference demonstrated. In fact, DePalma, the first inventor to create such a machine, is presently conducting experiments in California in anticipation of a breakthrough which could lead to commercial production. Their work promises to ultimately create a machine which appears to come straight out of a futuristic fantasy.

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"On your question on the mass energy equation ($E=mc^2$), the same has been derived by the Space Vortex Theory from the vortex structure of the electron" -- Paramahansa Tewari

Dr. Jack Sarfatti has consistently denied over last few years that there could possibly have been a collaboration between John Archibald Wheeler and Paramahansa Tewari who quotes Wheeler in his book about Space Power Generation. The effects predicted by Tewari's Space Vortex Theory. Also Sarfatti has called a "lie" my mention of Wheeler's witnessing DePalma's stationary drop experiment, circa 1970 at MIT in his own office, showing from a height of six feet that a spinning, 18k rpm 1" ball bearing falls faster than a non-spinning control ball bearing.

A small but reproducible and easily visually perceptible difference, empirical proof of the inadequacy or invalidity of (all?) special and general relativity theory interpretations currently ignoring this key DePalma experiment. This experiment, along with his many other later ones in the 70's leading up to the N-Machine prediction in March 1978 and verification of incremental "over-unity" performance in July 1978, demonstrates anomalous gravitational, inertial, and electromagnetic behaviors of physical objects at a "macro" scale. Behaviors still ignored by "mainstream science," which is apparently kept by prejudice or the potential ridicule of theoreticians like Drs. Sarfatti and Park who, "know it is impossible because it violates the physics theories they believe."

And so these simple experiments of DePalma, simple for anyone with lab budgets, have never apparently been properly duplicated by enough qualified physical experimentalists (people who believe what they see is true more than what they think is true) in order to get these results properly published in "mainstream" science journals so that the "community" of science knows that the results are real and "theories" may be adjusted accordingly.

This situation exactly fits Sharon Begley's definition of "pathological science" as per her article authenticating the cold fusion phenomena. A breakdown in the normally open channels of scientific communications. But this one predates the cold fusion pathological ignorance syndrome by approximately 20 years when in 1979, theoretician Wheeler dismissed the spinning vs. non-spinning ball experiment with the spurious comment of, "my eyes may not be sharp enough to tell the difference." Finally after regaining his color, having become ashen from witnessing this result that would invalidate all the theories in which he was invested, Dr. Wheeler's response was, "This is going to change everything, isn't it?" To which DePalma (according to his oft told story to me and others of personal acquaintance from 1979 onwards) replied, "I think so too Doctor. What do you think it means ?

How can it be explained ?"

Why has not Dr. Wheeler told Dr. Sarfatti or apparently others about this in over 30 years in spite of his independent co-collaboration with Tewari along with DePalma on theoretical and experimental aspects of Tewari's over-unity space Power Generator featured at international conferences since the mid-late 1980's?

The following is Tewari's response to clarification on the nature of his "collaborations" with Dr. Wheeler with his brief opening remark substantiating my claim of Wheeler's observing this key gravity change experiment, followed by his commentary reaction to my recent post about the uncertainty principle paradox in quantum physics, ie, the inability by definition to be certain about uncertainty.

<http://www.depalma.pair.com><http://www.tewari.org><http://www.stardrive.org>

For Wheeler's background see government "black science" websites with clearance, keywords "advanced electromagnetic weapons of mass destruction," and various public praise-ological fluff pieces and "cleared" physics by common search engines. Don't expect to find DePalma and Tewari mentioned together on any sites along with Wheeler's name in the United States in his control or control of "mainstream American pathological science."

It is interesting to note that although Tewari's space Vortex Theory," coming from perspective of an electrical engineer, and Joseph Newman's "Massergy" theory coming from perspective of a mechanical theory of matter and energy by a self-taught inventor, both theories correctly predicted the "over-unity" electrical energy production from their later built and tested respective different configurations of rotating electromagnetic systems. Both theories postulate in different words and math, yet still similarly describe a fundamental property of matter at subatomic levels as spinning vortices and "rotating massergies" as in electron dynamics.

Newman's work is at <http://www.josephnewman.com>

DePalma was familiar with Newman's work also and said he understood how The Newman Energy Machine operated, but as his website says, DePalma's theory is, "that there is no theory," ie, "what you see is what you get," or "seeing is believing."

From: P Tewari <ptewari1@sancharnet.in>
To: David Crockett Williams <gear2000@lightspeed.net>
Subject: Space vortex theory
Date: Friday, October 03, 2003 11:14 PM

Dear David,

I do remember Bruce DePalma telling me that Dr.Wheeler once witnessed his experiment but did not appreciate it, as you rightly mention in your note.

But DePalma was astonished to read Wheeler's letters to me [1975, 1977,1985; available at <http://www.tewari.org> These letters were in response to my earlier manuscripts/books that I sent to him in the initial stages of development of my hypothesis on the structure of space and matter . He also sent me in 1981 one of his own papers: "Delayed-Choice Experiments andthe Bohr-Einstein Dialog," with a remark on the cover of the booklet: "Many thanks for the copy of your book and every good wish for your continuing research!"

In all my letters to Dr.Wheeler untill 1985, I was only informing him about the new space vortex hypothesis that I had formulated and there was no mention of the space power generation, because, I was still to fully confirm through my own practical experiments that the output from a rotating system

of magnets can exceed the input, as reported by Bruce DePalma.

These results started coming through my own tests only after 1985-1986.

After 1985, I have not been in contact with Dr. Wheeler except for a letter expressing my grateful thanks to him that was sent last year along with my latest book in which the only acknowledgment for him is recorded in the preface of "Universal Principles of Space and Matter -- A Call for Conceptual Re-orientation."

On the history of my theoretical work, the space vortex theory (SVT) and my interaction with Dr. Wheeler, the following is a brief report.

An article "The physical Universe," with basic postulates: Space is a non material superfluid (non viscous, continuous, massless, incompressible) with a limiting flow at speed of light; discontinuity of energy at electron center, was sent to Foundations of Physics in 1974.

Being a brief article, only qualitative in nature at that time, it was not published though some appreciation of the concepts did come from the referee / editor. An Indian physicist, to whom I wrote for help, plagiarized the very basic concepts of this article and published the same postulates (changing the words) along with two other physicists in an important journal. [It was reported in the press by me]. Thereafter, I was cautious and was advised by a senior physicist who appreciated my work to contact Dr. Wheeler for guidance on these very new concepts of electron and its structural relationship with space. [Prof. Abdus Salam, a Nobel laureate, too advised me later (1981) to keep in touch with Dr. Wheeler. Please see Dr. Wheeler's letters and Prof. Abdus Salam 's letter at <http://www.tewari.org>.

In his first letter [1975] he points towards the quantum principles. In his second letter [1977], while agreeing that he once conceived the polyelectron approach but no more considered it profitable, yet he forwarded to Prof. Shild to do an article including the work of Prof. Sternglass and also my own.

Unfortunately, Prof. Shild expired soon after, and the article was never written. In his 1985 letter, Dr. Wheeler credits me with my approach in using a simple geometric theory in a dynamic fluid space and finds similarity with Einstein's general relativity (1917). That is the most encouraging comment on my work from the eminent scientist / philosopher that Dr. Wheeler is. Last year, Toby Grotz sent my latest book "Universal Principles of Space and Matter -- A Call for Conceptual re-orientation" to Dr. Wheeler and talked to him on the phone. He commented that the book will be very useful for science and history.

My work was never published in main stream journals. One reason was that publication of such a radical theory requires lot of skill and labour which I could not provide mainly due to my preoccupation at nuclear projects in senior positions [Chief project Engineer, Project Director/ Executive Director]. In addition to circulation of my earlier books to the interested physicists/ engineers/ scientists, mostly abroad and some in India, the hypothesis [though not fully complete as a theory] was first published in an International Conference Proceedings, Italy, 1982 [Editors: Dr. Stefan Marinov, Prof. J. P. Wesley]. Further, the hypothesis was recorded in international conferences in Germany, USA, Italy, Japan; also in certain science journals in USA, Italy, Japan, etc.. Thus, the main stream physicists will not find details on my work in the journals of the physics establishment. Some aspects of the SVT now in a fully developed form are given in the enclosures.

The Cartesian space and matter of ether vortices continued for a century even after Newton's Principia. Despite its replacement by the Newtonian empty space, electron structure as an ether vortex was very much being debated by the close of the 19th century. In fact Larmor even conjectured emptiness at the center of electron's ether vortex structure as provided in SVT. [This I learnt only lately] But a problem on the stability of ether vortices had arisen. However, special relativity (1905) discarded ether.

The modern physicists, if at all they have ever read my papers or books, will see in my work an attempt to re establish the Cartesian philosophy with which, after relativity theory, they are totally averse. They

do not recognize that the SVT supports the Einstein's postulate on the constancy of light speed and also its being the limiting speed. Only time dilation is not supported. Einstein is also supported for his mass energy equation [by deriving this equation from the electron structure] and his strong belief in deterministic approach in contrast with the quantum physics' indeterminacy and the uncertainty principle.

I doubt if the main-stream physicists have ever read my works. Their criticism is on hearsay. Some researchers of physical theories have had prolonged discussions with me on the founding principles of the SVT and appreciated its uniqueness [electron's space vortex structure with a central field-less void, new equations and definitions on mass and charge, derivation of earth's surface gravity, deriving all the universal constants with a single universal constant -- the speed of light, continuous creation of cosmic matter at the center of the sun and the galactic center, etc.]

Theory apart, we are interested in knowing with certainty whether over unity efficiency is ever possible. In this regard, as I wrote to you, by this year end a SPG in tens of kilowatts range should be ready and tested.

The companies who have undertaken this work wish to remain anonymous for the present. If successful commercial operation is achieved, then the modern theories will automatically undergo major revision. But, for the present, when the law of conservation of energy is applied even in quantum processes (neutron decay) and the Lenz's law is considered to be an extension of the energy conservation law as per the conventional physics, space power generation is no better than a hoax for them. For quite some time the opposition from the mainstream physicists will continue; and even if a self running system is made possible, they will call it "an anomaly" rather than retract and be back to the Cartesian space which, as said before, was discredited at the very start of the 20th century [special relativity] and the beginning of the quantum physics based on a misconception of the real nature of the Planck's constant and faulty explanation of the photoelectric effect as concluded in SVT .

There is another adverse impact of modern physical theories on religious and spiritual philosophies that started [18th century] with the transition of the Cartesian philosophy to the Newtonian. Though Descartes and Newton were theists and invoked God for the first motion of the universal space and cosmic matter, in Newtonian empty space how could any reality exist? The very concept of the omnipresent and omnipotent God was killed in Newtonian mechanics based on materialism that posits matter as the final basic reality. [What entity created matter is not known; that "fields" or "energy" created matter is merely giving names, a poor explanation without basic definition to energy. As per SVT, qualitatively speaking: a volume of space (nonmaterial fluid) under acceleration is the most basic form of energy.

Prof. S.J. Prokhovnik, the author of "The Logic of Special Relativity," decades ago, admired me for giving this definition, first time, to energy. Similarly, Electron mass is proportional to the volume of the central void (nothingness) in its space vortex structure, the constant of proportionality is the speed of light relative to the fluid space. And also, electron charge is proportional to the surface of the spherical space enclosing the electron's central void, the constant of proportionality is the speed of light relative to the fluid space. But these definitions make no sense in the contemporary physics because how can there be any fluid reality in an empty (void) space?

And therefore, someone, in the message that you sent the other day, branded my work as a pseudoscience. The present theories cannot explain "mass" and "charge" and why an electron exists eternally (despite interactions with matter) possessing the properties of mass and charge of definite values. What is the genesis of inertia and gravity in the electron structure? The current physics is living with all these obscurities and will continue to live so until spatial reality and spatial interactions are recognized.

To conclude I will say that It is an urgent need to look critically into the modern physical theories and pin point their limitations/ misconceptions to save man from groping in dark with regard to the physical

science theories separate from the 20th century's concrete experimental results and notable experimental work in atomic structure , radio activity, electron positron annihilation etc.) starting with the quantum physics in the 20th century and leading to a weird concept of a dying universe of empty space and solid matter and fields, rather than examining the opposite concept hypothesized in my first work "The Substantial Space and Void-nature of Elementary material particles."

Best wishes,

Paramahansa

PS. A senior Biochemist and Theosophy Scientist from USA, having read my first work (1977, 1978?), sent me a copy of "Occult Chemistry," by Annie Besant and Charles W. Leadbeater. In the Appendix of this booklet the following is given: "Let us for the moment name this substance Koilon, since it fills what we are in the habit of calling empty space...Matter is not Koilon, but the absence of Koilon, and at first sight matter and space appear to have changed places, and emptiness has become solidity, solidity has become emptiness..."

Talking of fundamental particle of matter, Leadbeater continues, "Just as bubbles (bubbles rising in water) are not water, but precisely the spots from which water is absent, so these units are not Koilon, but the absence of Koilon...specks of nothingness floating in it so to speak, for the interior of these space bubbles is an absolute void to the highest power of vision that we can turn upon them.

That is the startling., well-nigh incredible fact. Matter is nothingness...
The worlds are built out of these voids, these emptinesses..."

The above was the first concrete idea of existence of a spherical void at the electron center coming from the Theosophy science while I reached the same conclusion searching for the mass, inertia and charge properties of electron. Is it ever possible for particle accelerators to detect voidness at electron center?

From: P Tewari <ptewari1@sancharnet.in>

To: David Crockett Williams <gear2000@lightspeed.net> Subject: Uncertainty Principle

Date: Monday, October 06, 2003 5:36 PM

Dear David,

This subject is good for debate and its opportune that you have raised it. I am sending copy of this note to some of those senior scientists who have seen either my latest book or are partly aware of my earlier work.

As to how the uncertainty principle came about is a long story which, now analyzing with the principles and the results of the space vortex theory (SVT), seems to be full of unintentional errors [by some great minds of the time] multiplying into blunders during the development of the quantum physics. It has been analyzed in "Conceptual Error on the Fundamental nature of Light Phenomenon in Classical Electrodynamics led to complexities in Quantum Physics," Journal of New Energy, Vol. 5, No.1, Summer 2000 [also available at www.tewari.org and in "Universal principles of Space and Matter - A call for Conceptual Reorientation." A brief comment is as below.

Photo electric effect: At the time Einstein explained the photo electric effect [1905], he could be aware only with the Thomson's theory of atomic structure - sphere of uniform positive electrification in which the electrons were supposed to be embedded, because the Rutherford's theory, as per which the electrons orbit the nucleus came later [1913]. Therefore, in his photoelectric theory, Einstein did not take into account any kinetic energy that a photoelectron could have had prior to its release from the atom.

Interestingly, calculations with the vortex structure model [svt] of a metallic sodium atom show [in the above cited works] that an outer-orbit electron possesses kinetic energy nearly the same as those of the photo electrons released and measured experimentally.

And coincidentally, this kinetic energy is very close to "hf" in Planck's energy equation: $E = hf$ -- for the frequency that released photo electrons. As is well known, "hf" is the energy accumulated in unit time [calling for a storing mechanism] and yet transferred to a photoelectron instantly as per Einstein !!

So, the error is this: The kinetic energy of the photo electrons measured experimentally was already possessed by these particles while rotating in their orbits with the atoms. Interaction of light does not transfer any energy to the photo electrons. Light only triggers release of the orbiting electrons [explained in SVT].

Therefore, the photon concept itself is an error. Einstein's argument that light is not only released in a quanta of hf (Planck) but also transmitted in a bundle is erroneous.

It is surprising to note that Compton, too, in 1923 did not take note of the kinetic energy that an electron in an atom might possess when, by that time, the orbiting velocity of the electrons must have been well known. By neglecting in his experiment the initial kinetic energy of the electron before encounter with light pulse (X-ray), his own conclusion of particle-like photon is in error. [After all how does one know that the interaction of the X-ray in Compton's experiment is with a free-electron or with the one tied in its atomic orbit]. Further, a deeper insight on the nature of mass [SVT] reveals that light can not possess the property of mass. Hence, assigning mass and momentum to photon which itself does not have a real existence, is a further error.

Now, if photon is a non existent entity, how can there be wave particle duality? How can there be DeBroglie's wave particle equations? And so also wave mechanics based on DeBroglie's findings become questionable.

Planck's Constant, derived in SVT, is intrinsic angular momentum of electron: $(\frac{4}{5} \text{ electron mass}) \times (\text{velocity of light}) \times (\text{electron radius})$, where the electron radius is the radius of the central void in electron 's vortex structure. Using Planck's constant in the uncertainty principle is not relevant.

I am aware that the highly complex principles of the quantum physics can not be critically examined in a short note like this. But if the above referred works are seen, the errors at the very foundation of the quantum theory become more than evident. In any case the uncertainty principle is not the principle to last, like the mass-energy equation, light-speed as the universal constant, and the light-speed as the limiting speed in the universe.

Introduction of empty space in place of ether also introduced voidness around the nucleus, thereby removing the vortex concept of the atom [late 19th century.] This led to very many complexities in the development of the atom structure.

Best wishes,

Paramahansa

PS For brevity, I have not mentioned here Bohr's atom and the space vortex structure of atoms; production of light by oscillating atoms . These are dealt with in detail in the above referred works with the conclusion that the contribution of the orbital electrons in the production of light is insignificant. And also, the orbital electrons do not lose energy to fall closer to the nucleus because the electron 's space vortex and the space vortex enclosing the nucleus constantly interact to keep them a fixed distance apart. On your question on the mass energy equation, the same has been derived in SVT from the vortex structure of electron.<http://www.tewari.org>

From: P Tewari <ptewari1@sancharnet.in>

To: Mark Gubrud <mgubrud@squid.umd.edu>

Subject: Fw: Your comments on 'Pathological science'

Date: Tuesday, November 18, 2003 11:57 PM

----- Original Message -----

From: P Tewari

To: Mark Gubrud

Sent: Wednesday, November 19, 2003 10:41 AM

Subject: Your comments on 'Pathological science'

Dear Dr. Gubrud,

In your reply to David Crockett William (16th November), on the explanations of researchers to various free energy experiments, you observe "delusional notions based on half-misunderstood science." True, there could be some in this category, but, let me assure you, there are many exceptions.

Before I proceed further, please permit me to introduce myself. I retired (1997) from the post of Executive Director (nuclear projects) in India, having constructed and commissioned large nuclear projects almost throughout my professional career. Side by side with my engineering profession, I framed a hypothesis (as a spare-time research hobby) on the structure of electron (1974) to explain the genesis of "mass", "charge", "inertia", and energy fields (electrostatic, magnetic, electromagnetic, gravitational) arising from the electron structure. This hypothesis, having provided several proofs, is now referred as Space Vortex Theory (SVT). The latest work is : "Universal Principles of Space and Matter--A Call for Conceptual Re-orientation"

As per SVT , an electron has a discontinuity of energy -distribution at its center and, in fact ,its mass is directly proportional to the field-less, energy-less, spherical volume of "nothingness" (void) at its center (of the order of 4×10^{-11} cm in radius). With the maximum speed of circulation of fluid space ©) in the vortex , the vortex structure is dynamically stable.["space" is postulated as a nonmaterial (massless, density-less, incompressible, zeroviscosity) fluid].

The genesis of electron- mass and charge are quantitatively derived, explaining for all the time as to why matter possesses mass, charge and inertia.

So also, the origin of energy fields including gravity field is quantitatively derived ; all universal constants are derived with a single universal constant. The basic form of energy is defined as, "massless space in acceleration."

The surface gravity of the earth is derived from space circulation around it. [This sounds weird, but Dr. Wheeler's comments on my initial work was, "Isn't this another way of stating the content of Einstein's 1917 and still standard geometric theory of gravity, according to which the geometry of space is a dynamic entity, changing from instant to instant according to an utterly simple and beautiful law" ...]

With the principles of SVT , the concepts of the contemporary physics (CP), go topsy-turvy. For instance, photon can not possess mass or momentum, nor any angular momentum.

In fact light, basically, consists of spherical wave pulses, least like photons. So also there is no reality to "electromagnetic mass". It's the misconception on the very nature of mass that has led to assigning mass to mass less entities.

Electron is a particle, least like a wave. Photon is a wave- pulse, least like a particle. Einstein did not account for the kinetic energy of photo electrons that they already possessed before their release in photoelectric effect. This led to an erroneous concept of photon that founded quantum physics.

If you are interested , I can send you my latest work. Then you can see for your self the errors that exist at the very foundation of CP. The errors are so grave, that the mystery of mass, inertia, charge, and light can never be solved by CP.

Violation of the Lenz's law is shown theoretically possible in SVT. And, I have built electromagnetic machines that exceed 100% efficiency . But, under the existing physics, it is not possible to see as to how in a machine the output can exceed the input. It can not in thermodynamics; but can violate the Lenz's law in an electromagnet machine by reducing reaction on the prime mover. The fault lies in equating the energy conservation law with the Lenz's law --a mistake done in the 19th century.

In SVT two basic equations on electron- mass and electron-charge are derived showing the interrelationship between matter with space. If there is no matter, yet all the energy of the universe stays in dynamic space. But , if there is no reality of space, matter can not be created. Such a conclusion can be drawn only by a theory that reveals the very process of creation of electron (with all its properties of mass, charge, inertia, fields) and matter at large. I am not aware if any such theory exists. I wish some one takes note of these ideas rather than ignoring facts.

Best wishes,

Paramahansa

From: P Tewari <ptewari1@sancharnet.in>
To: David Crockett Williams <gear2000@lightspeed.net>
Subject: Tetron Theory
Date: Saturday, October 25, 2003 3:58 PM

Dear David,

In your Tetron Theory [TNUFT] you conclude, "how everything is related according to the very nature of light". Your conclusion is perfectly correct, though I reach it under a somewhat different system of logic through space vortex theory (SVT).

The true nature of light , which you also inquire into as the very basic concept in INFUT, has not yet been grasped by the modern theories wave-quanta nature) .The pre-relativity concept of light as a "wave motion in fluid ether" is nearer to the truth. In the Newtonian empty space (without a fluid ether), corpuscular nature of light was the only possibility, because how can there be a wave without a real fluid medium!

But, since in the relativity theory (1905), the medium of space is a void extension, here again like Newton's corpuscles of light, Einstein too had no other go but to imagine particle -like photon. The errors in the explanation of the photo electric effect were brought out in my previous note. Thus, the very concept of photon possessing mass, momentum, spin, kinetic energy etc., is erroneous, making all those theories that rest on these concepts far from truth.

Now on the wave nature of light , the question arises: "wave of what". It is now simpler to answer this question taking the example of the light- pulse produced in the process of annihilation of electron/positron [discovered in 1935?]. [There is an article "Conceptual Errors on the Nature of Light.....," at www.tewari.org, that discusses at length the modern misconception on the nature of light]. It is concluded in SVT that consequent to the annihilationof an electron and a positron, a spherical shell of light, in which the radial width of the shell, equal to the electron's radius (radius of the central void in electron's space vortex), is the wave length, is produced and transmitted at speed c relative to the fluid medium of space.

As the shell of light is transmitted out , the gravitational and electric potentials in the fields of the annihilated particles collapse to zero within the shell. Light is produced at a point in space due to time varying potentials at that point caused due to motion/vibration/ acceleration of electrons/atoms.

Light is not energy emitted from the centers of the annihilated electron and positron.; it is an effect produced due to dying potentials of the annihilated particles. This is the true nature of light as per SVT. When this nature of light is taken for analysis, then an observer moving towards a light source (that sends successive pulses of annihilation light continuously) finds that its frequency (nos. of pulses received by him in unit time) is increased while the wavelength is proportionately decreased ; and if he recedes from the source, the very opposite happens.

Thus, the product : frequency x wavelength, remains the same, that is, the same speed c , as postulated in Einstein's special relativity theory. But when the photon nature of light is taken into account, it becomes incomprehensible to conceive as to how different observers in relative motion can measure the same value of c unless one resorts to time dilation/ length contraction.

So, it's the misconception on the true nature of light that has caused the confusion. Light is not a phenomenon as fundamental as matter. With creation of electron [when the speed of rotation of the fluid space reaches c and its flow breaks down] gravity and electrostatic fields are first created. With motion, vibration, acceleration, annihilation of electron, the gravity and electrostatic fields change into electromagnetic field--that is, light. Had there been no creation of matter and its motion/oscillation, there would have been no light.

The speed of light c , that is, $3/10^{10}$ cm /s, is associated with the most basic property in the universe of space and matter. In fact, the only absolute property that the superfund space has is its limiting angular rotation, which is : c / electron radius, beyond which, its flow breaks down into matter.

As stated above, when the speed of rotation in a space vortex reaches c , the flow of the superfund space breaks down into electrons and positrons, thus creating mass, charge, gravity and electrostatic fields. Therefore, more basic than the transmission of potential effects, that the phenomenon of light is, is the maximum flow of space, which too is at the speed of light.

Thus, " c " has two functions: (1) transmission of potential -effects relative to space at velocity c , and (2) limiting flow of space at velocity c .

It has been possible in SVT to derive all the known fields and predict new field (nuclear field) from a single constant c and the radius of the central void in electron 's space vortex. All the universal constants too have been derived with the above basic constants. And this supports your theory that, "everything is related according to the very nature of light."

You mention c^2 . In fact as per SVT, c^2 is the maximum possible electric field in the universe and it is a vector quantity. c is also the maximum possible magnetic field in the universe and this too is a vector quantity; $(c / \text{electron's radius}).s^2$ is the universal time; $(c^2 / \text{electron radius}).s^2$, is the universal radius.

Also, $c^2 / \text{electron radius}$, is the maximum possible acceleration field (inward vector)in the vortex structure of electron. In all the above expressions, c appears as the limiting (maximum) flow of space, which, as pointed earlier, is the speed of light relative to space as well.

I think when it comes to truly basic concepts, like mass, charge, transmission of light, mathematical conventions of scalar and vector can be appropriately taken care of if so required. For instance, in SVT , mass is a product of volume and velocity of light, which should be a vector quantity. But, this problem stands resolved when mass is defined as the volume integral of velocity and becomes a scalar. Similarly, the product of electron surface and velocity of light is electric charge and should be a vector; but defining it as surface integral of velocity makes it scalar.

I think such mathematical conventions such as scalar and vector, though meaningful for computation, should not override analysis for truly basic physical concepts.

The question of velocity of light relative to observers arose because of relativity theory's empty space (Empty space does not explain creation of fields and matter; neither it can explain the very existence

of light). In substantial space, "c" is the limit of flow of space as well as transmission of potentials. And the very nature of light is such that observers in relative motion will measure the same value c. Hence, c is "non-additive" (as you mention in TNUFT).

Prior to creation of matter, the universal space is a conscious entity, which as I said in my earlier letter, is CHID-AAKAASH of the Vedas, FORMLESS ALLAH of Islam and SPIRIT of Christianity. An individual soul possibly, an independent spinning vortex (at speed less than c) in the universal ocean of space] is not yet created. Consequent to the creation of the universal matter, individual souls with material enclosures are born as the living beings. Man is their higher evolution. Since he is in complete continuity with the universal consciousness, it is possible that through mass prayers to the Overself, natural happenings can be controlled.

The individual consciousness is derived from the universal consciousness, and part of the universal consciousness transforms into cosmic energy and matter. Man, a combination of the universal consciousness and universal matter is thus of Divine origin. Through his individual consciousness, which spreads out throughout the universe due to continuity of space, he is in a position to influence the consciousness of other living beings (at least higher forms of life like birds, animals, man) to some extent. His intense desire to make an event to take place, may materialize it through the help of other conscious beings.

But most of these processes take place with spiritual forces, as demonstrated by some saints, sages, the Prophets and Incarnations. [Shri Sathya Sai Baba is demonstrating such phenomena, that transcend physical sciences, for all to witness right since his birth(1926)]. But, for an individual to directly influence the experimental results from inert experimental set ups is something that can not be fathomed through physical sciences but, perhaps, feasible through spiritual forces.

Your prediction on fuel-less technology, partly if not wholly, and neutralization of radioactive waste will certainly come true.

Since your theory inquires into the true nature of light, which is the only absolute property that the universe possesses in the vast primordial volume of the substantial space, basically, it has truth in it.

Best wishes,

Paramahansa

From: Adam Trombly [mailto:iasa@rof.net]

Sent: Friday, June 02, 2006 12:32 AM

To: 'David Crockett Williams'

Subject: RE: New Age Energy Technologies to replace nuclear and fossil fuel power, Santa Barbara Weekly on Bruce DePalma and The N-Machine.

David,

Really, Tewari is such a disingenuous man. The truth is that if Tewari had not copied (in the crudest sense of the word) our first machine he would have never been known at all. Tewari gives Depalma credit (Depalma should be given credit as a popularizer) but would just love to pretend that his first three papers regarding this technology were not about facsimiles of Joe and my machine. Frankly, I tire of his antics and I feel it is time to say something. I was thrilled when I first heard of Tewari's experimental confirmation of our claims in 1986. But as soon as he tried to publish his second paper with Les Adams' publication "Magnets" he failed to cite our work until I demanded it.

I still have his letter of acquiescence to Les.

I went on to co-invent six further generations of devices that demonstrated the actual principles. In 1989 a former colleague and I physically demonstrated a solid state ZP device in both New York and

Washington D.C. Our presentation at Dag Hammarskjöld Auditorium received a 20 minute standing ovation but the press about the demonstration and speech that followed was totally suppressed.

We physically demonstrated over 50 times greater output than input but you will not find any acknowledgment of that on any of the so called Free Energy websites which presume authority.

In 2000 we demonstrated a subset of the same device in San Francisco. Hal Puthoff initially said, "Where do you think the extra electrical energy comes from? I'm a ZP man myself! Wow what is so cool about this Adam is there are more and Amps and more Volts coming out of this thing! That is really significant!" The other witnesses agreed. Then Hal left the room and returned with a Rube Goldberg box which was made in his lab in Texas but for which he had no information. He could not even tell us what actual measurement it did or the relevant algorithm. He just hooked it up and reversed himself saying, "Well you are not quite there yet." The other measurements that had confirmed the actual performance had been done on a beautiful Sony/Tektronix Scope which had been newly calibrated and was certified as such.

Yet this man who had promised that his backers would provide one billion dollars in initial funding for a demonstrable technology in front of several witnesses at the State of the World Forum in New York a few weeks before threw out one very real chance for the future of humanity based on a measurement done by an unknown machine with an unknown algorithm, which he could not explain at all!

We have to get hip to which individuals are the real obstructors of these technologies !

Puthoff later wrote me an email in which he asked me not to "think of me as the enemy." I don't. I still remember the youthful and excited look he had on his face when he saw the device work and confirmed the measurements on the real scope. I saw something good in Hal at that moment. I do not know what the powers that obstruct have on this man that could cause him to betray his own soul but it must be a humdinger ! I will just remember the beautiful look on his face and pray that one day he rediscovers his integrity. In the mean time we have no time for all of this garbage. We have shown for over two decades now that ZP works! There were some who came before us like Ed Gray who warned me before he died not to let his Navy handler (and mine) ruin my life's work the way his had been ruined. He was a really good man who ended up designing weapons you still have not seen in Janes, but which I saw in 1983.

There are so many stories. I loved Bruce for defending Joe and my work against the likes of Tom Vallone. Who is this guy? That is the question I asked Hans Neiper in 1980 at the First International Tachyon Field Energy Conference in Germany. He could not really tell me. But Vallone was quick to criticize me for spending too much money instead of doing really mediocre work!

By 1989 the ZP field had been so infiltrated by people from corporations like Lockheed, Ford Aerospace, spooks, bad copiers and mediocre pretenders that seized control of the conferences and undermined the field. What have any of them ever really done?

I could tell many, many stories but some how we all need to pray that someone or some group is finally successful in acquiring the kind of support that is really need to commercialize ZP and help pull this species out of its current nose dive into the abyss.

Adam Douglass Trombly

Santa Barbara, California

Proponents of DePalma's machine, believe the US government, to protect the energy industry, has suppressed widespread application of "N" type technologies.

"The same ethic of materialism that stopped Tesla's 'free energy' technologies in the early years of the 20th century, is today visibly responsible for wars, hunger, poverty, homelessness, pollution, and the prostitution of the American scientific community resulting in the completely insane endangerment of

our planet threatened with the potential of complete destruction of all life by nuclear Holocaust."

"...it would have been difficult for [Tewari] to go on with work on the SVT and the generator were it not for encouragement from two U.S. physicists, Dr. John A. Wheeler of the University of Texas, Austin, and Bruce DePalma, formerly a lecturer in physics at the Massachusetts Institute of Technology. "But for DePalma, I wouldn't have been able to tie up my theory," says Tewari. "He was working on similar ideas and kept sending his results to me."

By reviewing the following articles you can see that support for this project is thwarted by so-called experts in physics who are quoted stupidly in public news articles discrediting something they have not studied and are afraid of because it seems to violate their "known laws of physics." To those versed a bit in physics or electromagnetism it is clear that Dr. Hone's scientific response below is totally bogus because he is talking about the "induction effect" that he calls below the "Faraday effect" whereby a wire moving through a magnetic field has an electrical current induced in it by that motion, or so the "theory" behind that particular "law of physics" says.

This is this principle, electromagnetic induction, responsible for all the electricity generation by generators commonly used for a hundred years around the world and the same principle responsible for the operation, in reverse, of all commonly used electric motors, a coil of wire on an armature rotating inside an array of magnets producing a current in the wire to generate electricity and conversely by putting electricity into the coil it spins within those magnets as a motor. That Dr. Hone below acknowledges this and still says that this principle is not valid or scalable up to larger machines for more power is simply factually wrong. That he equates this principle of induction to the operation of the n-Machine which is based on a deeper understanding of a different effect found by Michael Faraday in 1831 that he called the homopolar or unipolar effect, and its corresponding unipolar or homopolar generator and motor effects, is also factually incorrect, since this latter effect has no wire/conductor moving relative to a magnet to "induce" current in the wire, but rather is a spinning disc magnet with attached metal conductor rotating together with no relative motion between the magnet and that conducting disc from which electricity is extracted flowing from the center to the edge of that rotating magnet/disc assembly.

Faraday also discovered that if the disc is rotated with the magnet stopped, there is a current flowing in the disc, this seemingly like induction. But if the magnet is rotated and the disc is stopped there is no current flowing in the disc, which violates the principle of induction and led Faraday to conclude that the magnetic lines of force of a magnet are not a property of the magnet but induced in the space the magnet occupies by its magnetic field, ie, because this non-reciprocal effect indicate the magnetic lines of force do not move with the magnet rotating.

This accounts for some of the confusion about this particular electromagnetic effect, which Faraday called the homopolar effect and DePalma re-discovered and proved independently 147 years later calling it the n-Effect, but with the additional insight of "tapping the free energy field of space itself."

This rotating magnetic assembly duplicated by Tewari of India, Shiuji Inomata of Japan, and by Adam Trombly, of Colorado's Aspen Institute for Advanced Studies (founded by Trombly and Buckminster Fuller, in the 1980's)

This "homopolar" effect was not known in the scientific community or taught in any of the schools before 1980 and the 1979 DePalma n-Machine tests quantitatively proved not only that this works but also, unique to DePalma and not conceived by Faraday, that rotation produces more current than it takes to operate a motor to spin the assembly. DePalma's earlier experiments on gravitation and rotation and inertia anomalies indicated to him that this "homopolar" effect he had only learned about in 1981 was due to the rotating assembly "extracting electricity from the energy field that exists in space itself, the space in which matter resides."

This idea that there is an enormous energy field in "space" or what now physicists since the 80's and 90's have been calling the "quantum vacuum flux" or "zero point energy" with various attempts to theoretically understand and mathematically describe these ideas, are what DePalma's experiments, including the last one, the n-Machine, prove exists as what he called the "free energy of space" and what Tewari says his Space Vortex Theory explains. This proven by the performance of his overall overunity Space Power Generator version of DePalma's n-Machine.

Those first tests in Summer of 1979 of that n-Machine made by the Sunburst Community, which they called the S-Machine, did not show "overall overunity" performance (more total output power than the power to drive the generator with a motor) like Tewari's later models in India have shown, but the 1979 tests, reproduced in 1986 by Dr. Kincheloe of Stanford independently, showed an equally unexplainable by conventional "laws of physics" incremental overunity effect where at a given generator speed an increase of drive motor current produced from five to twenty times that amount in output current increase, but due to engineering that machine has not shown, yet, at its rotation speed design limits, to produce "overall overunity" performance. This is the context to know in reading the below to understand how significant a blow to this movement was this mistaken and negative report in the newspaper by a "physics expert."

After this article came out I went and personally spoke with Dr. Hone, also there was another article written about this time frame from the UCSB newspaper, and he just said he was misquoted, but he did not make any effort to correct his slander that DePalma's work was a hoax. In normal circles DePalma would have won a big lawsuit against Hone and UCSB for libel, but in this arena of forefront science this has been the way it has gone because the public in general is not at all confident or competent in its understanding of fundamentals of science such as this and feel compelled to rely on the view of "the experts" who as below are often just plain wrong by intent or ignorance. They claim they are misquoted, but take no responsibility for getting the real truth out there once they figure out they made a mistake, if it was a mistake and not by intent to discredit some of the most important work in science in the 20th Century.

The Sunburst Community founder Norman Paulsen still has that 1979 test machine in Santa Barbara area under auspices of Solar Logos Foundation, Sunburst Church of Self-Realization.
<http://www.solarlogosfoundation.org>.

See also the work of Thomas Bearden on the solid state MEG oscillating electromagnetic system, Magnetic Energy Generator: <http://www.cheniery.org>

Bruce DePalma's earlier experiments, showing anomalous inertial and gravitational effects of rotating and rotating-and-precessing systems convinced him '72-'78 of not only the existence of, but the properties of what he termed an "energy field that exists in space itself, the space in which matter resides." The results with which analysis and contemplation led to his literal "Eureka moment" jumping out of the bathtub to write a drawing in March 1977 which he circulated predicting if the flywheel were magnetized, energy could be extracted from this energy field as electricity flowing from center to edge of the rotating magnetized flywheel. At that time the knowledge of Faraday's homopolar/unipolar motor/generator effect observations as per his diary entries Christmas time 1831 was not known by DePalma or taught at all in schools.

In 1978 someone in Santa Barbara familiar with DePalma's previous work in electronic engineering audio circuit designs published in hi-fi electronics magazines, prompted a sound man for the Grateful Dead music band to read that paper predicting the n-Machine as an "overunity homopolar generator" (term not used or known then circulated about 1980 by DePalma, about two years after his prediction).

A community in Santa Barbara brought DePalma and Ed Delves there to test this work of theirs and Bruce's prediction, which they did first with a device glued together and spun in a hand-drill. Qualitative proof was demonstrated on a VTVM meter with needle probes at the axle and the edge of steel disc cemented to a ring magnet from a loudspeaker. In Summer 1979 they tested a large rotating

electromagnetic system and got between 5:1 and 20:1 incremental over-unity effects over range of parameter variations (speed of rotation and strength of rotating electromagnet) as per witness by DOE team et al. <http://www.depalma.pair.com>

There was a memorial remembrance gathering in Tehachapi for Ed Delves a few weeks after his sudden passing from an apparent acute asthma attack, so I would sure like to share this as a testimony to Ed's little known contributions as Bruce's protege and one of his most brilliant students at MIT, asking original and penetrating questions about physics principles. DePalma was greatly influenced and aided on his path by working with Ed to test the spinning vs non-spinning ball bearing drop, after they could not find in the literature if it had ever been done before. Were it not for "Ed's mind" in its student-teacher dynamic with DePalma, this whole line of inquiry may never have started. Neither may have these keystone, Galileo-like, fundamental, principle discovery experiments have been pursued either.

The spinning vs. non-spinning ball bearing drop experiment as ultimately witnessed by Dr. John A Wheeler in his own office, after a photo of the experiment was published in the Sunday newspaper with an article bemoaning his refusal to go see the experiment, seems to be some kind of "secret" history as evidenced by years of refutation by Dr.Sarfatti and others of these documented experiments. Dr.Wheeler certainly seems to be in support of P.Tewari and in complete denial of the contributions made by Bruce E. DePalma.

Compiled from the personal archives of Bruce E. DePalma with permission.

Appendix

1. Correspondence between Bruce Depalma and Dr. Schrieffer University of California Santa Barbara, Institute of Theoretical Physics.
2. Adam Trombly's 1988 Climate Change and Alternative Physics lecture transcribed.
3. 1988 N- 1 Report and Standford Emeritus Professor Kinchloe's review.
4. Paramahansa Tewari "Beyond Matter."
5. Sparky Sweet "Nothing is Something."
6. Dr. Fred Wood "Maxwell-Heavyside equations revisited."

DE PALMA INSTITUTE
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22 July 1988

Dr. Robert Schreiffer
Institute for Theoretical Physics
UCSB Santa Barbara, CA 93106

Dear Dr. Schreiffer,

After the interesting experience of our initial meeting last week, I am following up on your request for a proposal for a meeting or seminar with the members of your department. At the present moment I am preparing a talk: "Studies on Rotation leading to the N machine", which I will be presenting to the annual meeting of the International Tesla Society held in Colorado Springs, Colorado, July 29, 30, and 31.

I would be happy to present this lecture to your department. It is illustrated with about 80 slides of the various experiments I have performed on rotating objects.

The mechanical properties which distinguish rotation from non-rotation have implications which affect the basic structure of mathematics. Going back to the work of Leonhard Euler and the mathematician/physicists of the 19th century who were interested in magnetism and who sought a suitable treatment for the species of motion known as "motion of rigid bodies having exactly one point fixed".

In ignorance of the physical facts the mathematicians of that day tried to show that a commutative treatment for this type of motion, "triaxial" motion cannot exist. The areas of physical theory which incorporate the mathematical errors of the 1750-1850 century include precession-nutation theory which is applied to everything from Larmor precession of electrons to planetary wobbles. Other extensions which are equally profound are applied to the understanding of alternating current theory, and the rotation of polarized light.

The warning of Einstein that the attributes of substance which are called inertial mass and gravitational mass, are distinct from each other, and that any assumption of their co-equality was suspect until verified by definitive experiment, has been ignored.

My measurements of the elastic collision of the rotating object with the non-rotating identical control, as well as the elastic collision of the rotating and precessing object with the identical non-rotating control object have shown directly the variability* and inertial anisotropy of the rotating real material object.

*Variable inertia, and variability of inertial mass.

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22 July 1988

DePalma - Schrieffer

The classical ideas of Thermodynamics which are founded on the co-equality of inertial and gravitational mass in the collision of rotating atoms will have to be revised. Non-conservation of energy and momentum in these collisions leads to the possibility of the direct extraction of energy from the free energy field of the Universe.

Incorporation of these ideas into a new machine has lead to the construction of an electrical generator, the N machine, for direct extraction of electrical energy from the inertial field of space.

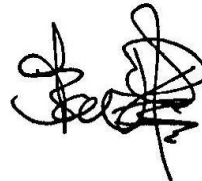
The fact that this technology has been taken up and applied world wide (France, Germany, Australia, India, and Japan), makes it incumbent upon the United States to follow up on this idea.

Those of us who are dedicated to the pursuit of world peace would like to hope that acceptance of these new ideas in the world of the physical sciences will release humanity from the limitation of fossil fuel economy based on coal, oil, and uranium.

World peace on a planet freed of limitation is a direct consequence of this work. This seminal goal for the youth of our society, which have yet to realize their maturity, is too important to let individuals stand in the way of its realization. The materials and appeals which have been directed to your ITP over the last ten years speak to this. We of the peace movement see a turn-around in world physics as essential since science plays such a powerful role in the future of the world.

In the past, the re-cantations of Galeleo and the burning at the stake of Geordano Bruno were the reactions of the establishment to the winds of change. I would like to hope that in 1988 we have reached a point of maturity where the adoption of new ideas in science is not so difficult that the proscriptions of the past need to be applied to the scientists of the present.

Yours very truly,



Bruce DePalma

INSTITUTE FOR THEORETICAL PHYSICS

UNIVERSITY OF CALIFORNIA
SANTA BARBARA, CALIFORNIA 93106

TELEPHONE: (805) 961-4111

August 25, 1988

Mr. Bruce DePalma
DePalma Institute
1060 Channel Drive
Santa Barbara, CA 93108

Dear Mr. DePalma:

Thank you for your letter of July 22.

I have brought your proposal for a meeting or seminar with members of the Institute to the Principal Investigators who are the responsible members for establishing Institute policy. After having studied the text of your letter and discussing thoroughly the issues involved, they advised me as follows. Since the main thrust of your work concerns the experimental question of the inequality of inertial and gravitational mass in the collision of rotating objects, we strongly believe that such questions can be resolved only through careful experimentation by qualified, independent laboratories throughout the world. Since the ITP is not equipped to carry out experimental studies, I regret that we cannot be helpful in this regard. Publication of your results in the scientific journals and communication with scientists capable of carrying out independent investigations of the above issues would appear to be the most appropriate method of proceeding to resolve the questions that you have raised.

In the absence of substantial independent evidence from qualified laboratories, I sincerely regret that we are not prepared at this point to enter into discussions on these issues.

Sincerely yours,

Robert Schrieffer /cb
Robert Schrieffer
Director

RS:ds

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7 September 1988

Dr. Robert Schrieffer
Institute for Theoretical Physics
UCSB, Santa Barbara, CA, 93106

Dr. Schrieffer,

In reply to your interesting letter of 25 August, we of the American Peace Movement now have to call for your resignation as the head of the UCSB ITP. As a physicist you have been confronted with the reality of zero-point free energy physics and you are unable to rationalize the new information. This means you are unsuitable to be the head of any physics institution and should probably seek some other kind of work to finish out your career.

The leader of any pre-eminent physics research group, whether theoretical or practical, must take into account the environmental and societal consequences of the work they are doing. Nowhere in your letter do I find any awareness of the implicit responsibility a scientist of the 20th century should have to his planet and to his race.

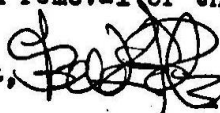
In a University where the youth are to be trained and given the tools to aid in the perpetuation of life on this planet, I find in your Institute for Theoretical Physics a complete lack of the sense of moral responsibility which should be a primary requisite for the tenure of a faculty member in such an environment.

It is interesting to note that although you and your "advisors" aspire to be pre-eminent in the field of theoretical physics you do not seem to be aware of the Requests for Proposals which have been coming from the Air Force since 1986 in the area of free energy physics for propulsion and energy generation. "Experts" such as yourselves should be eager to discuss such ideas unless there are hidden interests to be protected.

Against a mountain of evidence you pretend to ignore the reality of direct extraction of electrical energy from space. Since theoretical physics is, in general, based on the ideas of mechanics; alteration of the ideas of mechanics based on the science of the study of rotation, invalidates or alters the physical bases on which the Institute for Theoretical Physics operates.

We all hope the ITP is a useful organ of the University. Ignorance of physical reality will call for a resignation of its director, and if such condition persists, then removal of the ITP itself should be considered.

With regret,
in reg.



Bruce DePalma

As this is the last speech of the conference here, I'm going to give an overview of the development of zero point theory and I'm going to try and take into account all of you have been very patient...

The basic principle which we are obviously here to address, was originally elaborated by Nikola Tesla. The sense that Nikola Tesla conveyed of existence was, if not unique, then certainly it was profoundly inspired, not so much by initial analysis but by initial vision.

We have become a rather left brain biased society, an analytically biased society – and as a result of this analytical bias we tend to refute or deny the validity of intuitive jumps or intuitive leaps and insight.

Tesla was an extraordinarily prolific inventor obviously, but in addition to being a prolific inventor, he explored very thoroughly, for his time, the dimension of the psyche. And I think that perhaps too often we tend to forget that he himself claimed that the source of his inspiration was not conventional.

He saw what he built, and then he described it to a draftsman, and built it. The draftsman was his interface with substance. To consider that when he was riding in his carriage or his Pierce Arrow here in Colorado Springs, not too far from where we are right now, he would often see devices in their totality, spontaneously.... is quite remarkable.

When you see something in its totality, it tends to have a different meaning than if you tried to put the pieces of the universe back together to arrive at a conclusion. Tesla insisted that he rested in the conclusion in his own psyche. I think this is very important. Tesla was not an analytical apologist, he was not somebody who made gestures to the scientific community to make himself necessarily acceptable in his time. What was acceptable was that he produced. The means by which he produced were often unacceptable, especially in the last couple of decades.

Therefore, we heard a lot about Thomas Edison, and we heard a lot in our education about just about everybody else except Nikola Tesla. The reason I'm sure this Society exists is this left a vacuum, a huge vacuum that is not merely filled by the acknowledgment of Nikola Tesla, but by the acknowledgment of the function of a human being the function of a being not being polarized to the left hemisphere, but balanced to the two hemispheres of the brain, in other words vision coupled with analysis.

In the development of our generator, which we originally called the "Acyclic Closed Magnetic Generator," vision was implicitly necessary to arrive at our conclusions. Basically we had to work from very little information. There were very few explorers in the field and we had to begin to consider that perhaps the way we considered reality actually fundamentally incorrect, that fundamental cornerstones such as the law of induction, for example, that particular cornerstone was not necessarily as we believed it to be.

What stimulated me, and I've said this before, since 1980, was the recognition that certain astrophysical phenomena express energies in excess of what the apparent input is. This is a very common thing in astrophysics, whether you're talking about quasi-stellar objects, or whether you're talking about the planet Jupiter.

When we first found out that the planet Jupiter was developing a looped current between itself and the moon Io, Jupiter was called, in a paper published by a Goddard scientist at NASA, a "Homopolar generator." They tried to rationalize that the relative motion between the moon Io and Jupiter was actually responsible for the current that we could measure by virtue of its magnetic flux tube as tested by satellite probe. But when you went through some very simple calculations, you found that was not true.

So we decided that we would look into the matter of “Homopolar” generation itself- the history, who came up with it, as Bruce DePalma and others have pointed out. Even though Michael Faraday did an experiment on December 26th, 1831, in which he co-rotated a magnet with a copper disk and measured a current output. Even though he had done that experiment, his own law of induction tended to ignore that fact.

A professor with the Royal Society in London, a professor of science history, told me that the original Faraday cage was designed to keep electromagnetic noise out, but to keep Michael in. You see he played with a substance we call mercury, and in those days there was very little appreciation for the toxicity of mercury. And so Faraday apparently suffered from a form of dementia, which we’ve heard very little about because it’s one of the cornerstones of the building we have been living in, in science.

We found out after we found Faraday’s diary, after we found the citations of the experiments that he had done, that there was a gentleman by the name of Bruce DePalma in Santa Barbara, California, who had suggested that on the basis of the co-rotation of a magnet and a conductor, which we were at that time contemplating ourselves, it might be possible to generate more energy out from the generator than the input in.

I must say that my initial response to that was probably not as skeptical as some people might be when they heard such a thing, because in the field of astronomy or astrophysics it is not uncommon, not uncommon at all to find an object that is obviously exceeding what we “know” to be its thermonuclear, or any other form, it’s exceeding the output that it could possibly have by thermonuclear means, by fusion, by fission, by anything we normally consider.

And so, because we had seen that already in space there was this planet Jupiter clearly being a demonstration of what we initially considered to be an anomaly. Clearly putting out three times as much energy as it could be possibly be receiving from the Sun. We decided to reduce to practice a form of generator with the intention of practical commercial use, and through various good fortunes we arrived at funding.

We actually, for this field in those days, got substantial funding. And as a result of that work, we applied for a patent in 1980 which was, as many of you know, denied by the U.S. Patent Office as being implausible to the extreme. The statement was to the effect that, “This device could not even generate electricity.” It wasn’t that it couldn’t generate electricity in excess of input, it was that the machine couldn’t generate electricity at all. The patent officer himself was, as many of us, as all of us basically were unfamiliar, he being totally unfamiliar, with the fact that you could co-rotate a magnet with a copper disc, even though we had provided him with a copy of a page from Faraday’s diary. He actually suggested that the diary notes might have been something created *ex post facto*.

My initial naiveté in entering this field was rapidly destroyed.

We felt that if we could produce a practical, commercial, viable unit, then the world would be very excited indeed. And what we discovered instead was we were dealing with a profound level of inertia; inertia in a frame of reference we didn’t normally consider.

Economic inertia, intellectual stasis and dogma. Certainly the explorers in this field, over time, whether it’s myself, or Bruce DePalma, or Tewari or going back to Moray, Tesla, Hubble. These people all discovered this inertia. It is an astonishing thing when you first encounter it. It is irrational. It says that no, indeed the Earth is the center and everything revolves around it. And the moons around Jupiter couldn’t possibly be doing that what you say.

Galileo wasn’t vindicated by the Catholic Church until 1984. If we took that many centuries to

acknowledge zero point vacuum fluctuation-based technologies, we will all be dead. And that's the sobering realization that I have come to over the last five years.

Buckminster Fuller was a huge influence in my life. I met him when I was sixteen years old and largely because of his influence I wasn't permanently lost in space – lost in the theoretical level of things. And therefore, when I began to encounter this resistance he said something that was very important to me. He said that every new idea, every new technology, every major breakthrough, has an inevitable period of gestation. He said you must learn to be patient. He had experienced profound resistance, as you may know, to various ideas that he had in the thirties.

I think that what we are really seeing is not the resistance or inertia imposed upon this technology, but instead a resistance to a fundamental shift in perception about the Universe itself.

We have tended to describe ourselves in discrete terms, as encapsulated beings, with rather defined boundary layers, both temporally and spatially. We're born and we die. The boundaries of our body are the boundaries of are being. Inspiration has a difficult time entering into a closed bottle. Where would it come from? Where would it appear?

How could Nikola Tesla say he got ideas from space? He was considered a very eccentric and crazy man as a result of his statements. People point out that he always had all these napkins piled up next to his plate. But by the end of his life, people had forgotten that his vision is what is powering these lights. And if we had continued with his vision, we wouldn't have a fossil fuel economy today. And J.P. Morgan and Rockefeller and a number of other individuals would not have amassed extraordinary fortunes on the basis of that fossil fuel economy.

I think this is extremely important for us to understand because when Nikola Tesla's vision was denied a part of our own vision was denied. Just as when Galileo's vision was denied. The fact of the matter is that as we sit or stand here, a field of energy pervades us. This even relatively conventional physicists like John Archibald Wheeler stated in a 1962 article in the Review of Modern Physics. "Energy has a mass equivalence of ten to the ninety-fourth power grams per centimeter." You just need to look in the literature. That ninety-fourth power grams per cubic centimeter represents a rather coherent state. It represents something that we could very easily call a continuum.

But because of the taboo against the idea that you might perhaps be able to get water from the well of space, or what people call "perpetual motion," there has not been a sense of any practical application. Once in a seminar, well over a decade ago, I asked a question I found was extraordinarily taboo, and I said, "Why can't we tap into this field?" It had been established in the literature in Europe by Philip Sipolan (sp?) since 1951 and 1952, that not only did the fluctuation field exist, a fluctuation field of extraordinary energy equivalence. And that the vacuum field was biasable, that it was polarizable.

The polarizability of a vacuum, fluctuation background, I believe is the essential issue, and a very simple issue indeed that we need to really consider.

David Deutch in 1982 explored briefly in a book called "General Relativity," on Einstein's centenary, which was edited by Hawking, considered very briefly the fact that not only is the vacuum polarizable in terms of density, but that an ideal theoretical situation density polarization could asymmetrically approach infinite density and asymmetrically approach negative energy density. That means that within the vacuum fluctuation itself, stress can be created. That means that the vortical dynamic that Tewari speaks of is really not that difficult to imagine, because you have fluctuation density that wishes to remain isotropic, or uniformly distributed, disrupted, polarized, in a curved manifold, and that vacuum density once polarized wants to relax from that stress back into a more isotropic state.

Anybody who studies vortical physics, fluid dynamics, plasma dynamics knows that there is no greater stress than that by which we invoke a vortical momentum. And therefore it is not hard to imagine, if we simply consider the fact that we are dealing with a medium of this extraordinary density. It is not hard to imagine or even begin to feel that just by simply biasing this field in a rotating cylinder or perhaps in an oscillating circuit, by biasing this field correctly, we can precipitate vortical momentum.

Now we may only precipitate a quasi-electron. In the vacuum fluctuation of space, their production is occurring all the time. In a bias environment however, where an electrical potential exists, that quasi-electron, instead of annihilating with its anti-particle, might indeed be distracted along the potential and find its way into what we refer to very blithely as manifestation.

It doesn't necessarily take gig electron volts for this to occur. And that's why Tewari, DePalma, myself and others speak of the generation of power from space.

We need to very simply and seriously consider that it's already in the literature. It isn't just in the literature of the fringe; It's in the literature now even of Physical Review since 1975. Review of Modern Physics, since 1962. And in the European literature since the 1950's. It's a remarkable thing that because of the bias against so-called "perpetual motion," or so-called, "Free energy," that nobody seems to want to extrapolate what is implicitly obvious.

The atom itself can then be seen as a dynamic modification of field space. Only a dynamic modification of field space, with no quality of stasis whatsoever.

Harold Putov, in his May 15th, 1987 article in Physical Review, pointed out that in order for the Hydrogen atom in its ground state not to collapse, it had to be absorbing energy from the fluctuation background. In this moment. This is not something that happened at T equals zero - before the Big Bang.

This is something happening at this moment, real time present context, now with every atom and molecule that we see configured before us. It is happening right now.

It is wonderful to have Dr. Putov describe this energy in terms of the Bohr atom. It is implicit that the electron orbit dissipates energy. If we consider that to be a resonant shell with no locatable density bias, then it still pertains because the atom itself, even in its ground state, resonates in space.

We have a picture, that we got when we were young, that says a thing is solid, even though particle physicists are telling us that nothing is solid, and while that's all very fascinating on Nova television, we still have a picture that persists. Can an atom, existing in certain states of polarization and stress, perhaps become a conduit drawing upon the energy of space? A transducer in a certain light.

Obviously it must be or else it couldn't exist. The electron itself must be spontaneously appearing out of the background field. If it was not spontaneously persisting then we have to invoke the somewhat Neanderthal concept that everything had to start at a certain moment. And because we have embraced this new cosmology of the Big Bang in the last couple of decades, we have some real problems.

This is not the best forum to go into this in great detail, but I will say this - the Universe is clumpy. That's a term that is used frequently in astrophysics to describe the fact that mass is not uniformly or isotropically distributed. It is simply not. On a large-scale basis with models that have assimilated data from observatories from all over the world, especially over the last few years, we have seen that the Universe we observe is indeed clumpy. It is in fact concentrated in a way that cannot be the artifact of a Big Bang.

Now that's a bold statement. Alfvén (Swiss Nobel Laureate), famous for Alfvén waves, has come up with an extraordinarily beautiful description of the Plasma dynamics of space. And so far, interesting to note,

although he was considered to be a complete heretic when he came out with his theory, every single observation we have made from space with satellite probes, has confirmed his predictions. I think it very important that everybody here who is interested in the reality in which we adhere, become familiar with either the esoteric or the exoteric level of Alfvén's work. It's just beginning to appear in the literature. I think Discover magazine had a rather prosaic presentation of it but it was also quite good. (June '88; the "Big Bang Never Happened.")

If there was not a Big Bang, where things conveniently began with a single event, then we need to begin to consider the fact that something that has a gram equivalence of about a gram per cubic centimeter, which is our body, must be a rather insignificant modification of a field that has a potential of ten to the ninety-fourth power/grams per cubic centimeter.

This impacts the way in which we live together; it impacts the way in which we live with the Earth itself.

I had not initially planned today to show some slides from the NASA program, but because this is a cap speech at the end of the day, I feel that it might be very useful to digress for a moment and observe the rather catastrophic impact that the very concept of discrete encapsulation has had upon human existence and the Earth itself.

And I would suggest to you, after considerable study of the subject, which is now becoming accepted in the Literature worldwide, that we cannot sustain the dynamic of human existence any longer unless we begin to transcend the arbitrary, subjective boundaries that we presume to be true. Whether these boundaries are about ourselves, or all phenomena of manifest existence, until we begin to move beyond this anal-retentive state, in which everything must be particularized. Everything being particularized, leaves Humpty Dumpty. We will never be able to re-assemble existence. As Fuller pointed out to me at an early age, "existence is already implicitly whole, we break it into parts only in our minds only."

It is already unified whether or not we have a unified field theory or not. And as Einstein suggested at his last series of lectures at the Advanced Institute at Princeton, "perhaps we can only appreciate the unified field by entering a conscious relationship with it."

Again, this is something that would not have been at all contrary to what Nikola Tesla proposed, and yet some people would be embarrassed to say it.

I think we need to very succinctly consider that we cannot continue to burn fossil fuels on this planet, and that we really haven't found anything to do with our nuclear waste.

And that the appearance of bona-fide third party confirmation of the generation of energy from space is a significant event in history. It's not significant because it will make a few men popular, or unpopular. It's not significant because it will somehow create a minor change in our concept of being. It's significant because it represents a dramatic shift that we desperately need to embrace.

Right now we are sitting at the edge of an unprecedented human catastrophe on this planet. A friend of mine, Sayed Sayed (sp?), at Texas A&M who has for twenty years been a climatologist, in an elegant experiment recently carried out in Antarctica, has shown clearly that if we lose between 6% and 7% more of the remaining stratospheric ozone the phytoplankton in the oceans will die.

The phytoplankton in our oceans contribute 50% of the oxygen that we enjoy on this planet. It is extremely important to point out that prior to the appearance of photosynthesizing biomass; oxygen was a trace gas which basically appeared through the natural transitions of H₂O.

We simply cannot afford to lose any more oxygen than we already have. At this moment, literally hundreds of millions of internal combustion engines are running. A six cylinder engine, of normal displacement, consumes eight hundred thousand (800,000) cubic centimeters of oxygen per hour. This transforms the breathable O₂ into combustion by-products, an entire spectrum of combustion products.

In the last twenty years, in Africa alone, we have destroyed 64% of the biomass ground cover. In the last twenty years! This is a United Nations Environmental Program figure, confirmed by satellite and manned space flight telemetry.

Also, in the last twenty years we have consumed 29% of the photosynthesizing ground cover in Central and South America. In the last twenty years! You cannot consume oxygen at the same time you consume the factories that metabolize CO₂ and return O₂ to us, and expect to have a sustainable environment. Because as oxygen tensions decrease even a few percent in the troposphere, ozone tensions decrease disproportionately. This is because there is a column of oxygen and other gases that rises from the biosphere to the troposphere and then to the stratosphere. It is on the basis of the mixture of these gases, that we have ozone in the atmosphere.

I would suggest that we can not afford to wait to demand that serious money is applied to this research, Federal money. We need this to happen desperately and we need this to happen immediately. And for those of us who feel that we can be blasé, and wait and wait and wait until somehow this becomes acceptable, (the implementation of this new kind of technology) let me just say that if we think we can wait; we're sorely deluded.

You wonder why there is a drought in Ethiopia. You hear in Time magazine that the so-called scientists can't figure out why there is a drought. Well, Ethiopia at the beginning of the century was covered by 43% forest. Ethiopia today is covered by less than 4% forest. How is the hydraulic cycle supposed to maintain itself?

This at first, this entire consideration at first, seemed to be in rather left field of the consideration of energy generation. But, as I began to explore it further and further and lectured around the world, I began to discover that most of the human race has been entirely uninformed. Some people have suggested this is rather conspiratorial. The slides you are going to see in just a minute have been available, some of them, for several years. We finally got a few of them on CNN December 25th (1987?)

I think when you see them you're going to realize why they are so significant. And as always I would like to thank Richard Underwood of NASA, now retired, for providing these images. They are in the public domain, but anyone who has tried to get photographic data from the NASA space flight program, especially during the Reagan Administration, will find that it is a very difficult thing to do. As a matter of fact, most of the infrared photography is now stored at AMES, and you can't get into the building. Even though this material is not classified, the building itself is off limits.

I would like to have the lights dimmed, and I would like to show these slides and then we can go on from there. We can discuss in more detail about this and other things.

This is the way clouds are supposed to look over the rain forest. These are healthy clouds. These clouds are appearing over the Northern Congo area and this photograph was taken in the mid-seventies from Skylab. Cumulonimbus, Stratocumulus, very beautiful cloud formations and an extraordinary density of water vapor as you can see.

Next slide. This is what the ground looks like after you get rid of the forest. This picture isn't from Africa, it's from Brazil, but literally millions of hectares worldwide look like this today. You can see that

the watershed to this river, which is the Sao Paulo River, has been almost totally devastated. You can see that evaporation would occur rather rapidly instead of in a moderated sense through the membrane canopy of the forest.

The next slide shows the way clouds look after you do this. By the way, this is the same coordinate almost exactly, taken from the Space Shuttle in 1984, as the slides big billowy beautiful clouds from Skylab ten years earlier. What you see beneath this cloudbank is now desert. So the cloud building is no longer healthy. Instead of that nice kind of veil of water vapor, you see an extraordinary, Los Angeles scale, optical density. That's dust.

Dust that has been lifted and aerosolized and now remains in chronic suspension over much of the African continent. The clouds are flat. The convective, humid currents that rose from the rain forest no longer carry water vapor in significant quantities.

There was a great effort, a joint effort of the United Nations and several other countries to seed what clouds remain to see if the hydraulic cycle could be restored. Unfortunately somebody forgot to plant anything under the seeded clouds, so the desert is now growing. The Sahara desert is now growing six miles per year and is three thousand mile across. This is significant.

Next slide please. This is to give you an idea of the scale. We are not looking at the desert floor here. We are looking at a pall of dust that stretches as far as the eye can see, to the curvature of the Earth. Twenty-five maybe twenty-eight thousand square miles here. This area all used to be called the sub-Sahara and now is moving into the Sahara. Flat clouds, no rain.

The next slide will show you conclusively that when you see breaks in the pattern, you have a deeper understanding of the optical density. This density is equivalent to a critical day in Los Angeles. This again is chronic and has serious ramifications for us on this continent. Serious ramifications.

This has happened because somebody denied vision. This has happened because when in 1906 Nikola Tesla said that fossil fuels would one day create a corruption in the entire atmosphere of the Earth, he was called eccentric. Next slide please.

South of the aridification process, in Zaire we have fires. These fires are burning out of control. They have no planes to drop chemicals on the fires. They have no fire departments. They have no money. This is a small area, only a hundred by a hundred miles. You can see where the forest that was once there has already been striped away, and the hydraulic cycle therefore undermined.

The next picture is Angola burning. The CIA did not win the war in Angola, fire did. 13,000,000 acres burned in 1985. When NASA scientists examined this photograph, they thought that this was some sort of strange cloud until they realized it was the combination of the plumes of smoke from the fires. Just consider the area involved, and consider the fact that this is now being visited on our Country.

Alaska, in the last three weeks has lost 750,000 acres to fire. The Secretary of the Interior, Hodel said, "Let Nature take its course." They saved part of Yellowstone that was close to Old Faithful, but decided that the rest of the wildlife habitat was expendable.

And this while we are spending hundreds of millions of dollars producing neutron bombs and other clean kill weapons, which can never be used and God forbid that they ever should be.

The next slide please. This is Junguoy (sp?) Bay on the coast of Madagascar, and it is not uncharacteristic of bays all over the world now. This is what happens after the deforestation and after the fires. This bay was over six hundred feet deep twenty years ago. Now you can walk across it during the dry season it is so filled with silt. This is happening now, today. It is not theoretical. We have to move now.

Next slide please. This beautiful lake was called Chad. Lake Chad was the size of Lake Erie. Lake Chad supported 1.8 million human beings in peripheral agriculture and fisheries. The next slide is Lake Chad in 1982. It's the hole that was left when the hydrological cycle was destroyed in Africa. This is not a cyclical drought and it is not a drought that will be only visited on Africa. The water vapor distribution on this planet is being changed dramatically by the destruction of biomass.

The water vapor budget on this planet is being changed dramatically because we have failed to feel beyond our own little subjective event horizons. We tend to exist like psychic black holes. We take a lot and give too little.

A few years ago I pointed out at the fourth International conference on Atmospheric, that the drought of 1986 and 1988 would occur. Now they have occurred. They are not going to cease because we don't want them to occur. They are not going to cease until we realize that we need to mobilize every democracy on this planet, and hopefully this will someday soon include the Soviet Union, to implement this new class of technologies. We can address these issues by planting forests and by using energy generated by these new Technologies. Whether you call it an "N" machine or something else, I'm sure these technologies will continue to evolve.

By utilizing this energy which we can get directly from the "vacuum" of Space, we can desalinate – re-irrigate. The Israelis if nothing else have shown us that you can resurrect a desert. We are going to need to resurrect a planet. We cannot posture ourselves and say that National Security comes before the security of the Human race. It is the security of the human race in total that is now threatened.

This is the last slide. I'm only going to show eleven slides today. I think they speak for themselves. This veil of dust that stretches out towards the horizon across the Atlantic Ocean, reaching from the Caribbean Sea, in the lower portion, all the way to the African coast. This is not a phenomenon that occurred in one year. This is a phenomenon that occurs every year. Between eight and nine million square kilometers this year. (8-9,000,000 sq. miles) This dust acts as condensation nuclei for water vapor causing precipitation in the south, over water, in Honduras, in Nicaragua, while the Midwest and Southeast are parched.

We are changing the way things work and we haven't even begun to inspect the ramifications. It isn't just the "Greenhouse Effect," it's a much more complex issue.

Only by stepping over the threshold into a more synergistic view, which is not just a kind of convenient term bandied about for the sake of the "New Age," but only by entering into a more synergistic view which acknowledges the inherent coherence of phenomena, can we begin to comprehend the fact that when you do something here it affects something over there. In quantum geometrodynamics, actually in a number of other studies, what we call action at a distance, in a coherent field, distance is no presumed.

I hope that this all has said something. Fuller's suggestion was that Project Earth should either determine whether there was a reason why we had to implement these technologies, or whether it was no big deal.

"Can we last longer? - I need to get my next grant from DuPont." To produce more chlorofluorocarbons? "Yes, it does seem that it might have that effect, but if I say that in the literature than I am defying my contract."

Scientific integrity, which used to be something that characterized science, is something that is sadly lacking in too much of the scientific community. Too many have become grant whores and parasitic on society, posturing themselves as authorities, condemned to the inertia of the past and past conceptualizations of reality.

Recently I was lecturing at John Hopkins, which is in itself sort of a miracle, about zero point physics and while we were considering zero point physics somebody said, “Well this is all well and good that mister Tewari did this over in India, and that it’s all well and good that you’ve done this in the United States – DePalma, it’s all well and good to demonstrate it, but what about the United States government?”

“I mean wouldn’t the United States government be doing something?” the child asked. A sixty-two year old child, a very nice man actually. And I said all you need to do is get a hold of the 1986 fiscal year “Request for Proposals” published by the Department of Defense.

Look on page 193 of that document and you will see something very interesting. In AF section, which is Air Force section 86-77 subsection 6, you will see that a government which denies the reality of zero point technologies is requesting “further research into esoteric energies heretofore unknown including the zero point dynamic fluctuations of Space.” ... for propulsion. But it doesn’t exist you see...

But we want you to research it if you have a bona fide organization that happens to be a prime contractor with triple security clearance. This for propulsion for the Air Force when the entire human race is threatened. Now there is a certain kind of insanity somewhere implicit in that. It’s in the literature, you can order a copy from Project Earth, or call the Pentagon. This is not a classified document. I won’t get in trouble for saying anything. This is actually a program that is ongoing, right now, today, within the government enclave. Call Los Alamos and ask a question about it and you might get a very long silence on the other end. Call Lawrence Livermore Laboratories, their Aberdeen Testing grounds. The same phenomenon will probably occur.

A significant amount of funding is going to make sure that this irrelevant, mythical phenomena is applied to weapons systems and weapons carrying systems. Something is very wrong about that. I don’t believe that anybody sitting in this room would say that it’s in the best interest of our people, or any people of the world, for this kind of technology to be applied outside the realm of civilian application at such a time.

Six to seven percent further depletion in stratospheric ozone and we are seeing depletion rate trends that indicate that this level of loss will occur very easily within the next two decades. Those of us who have really considered this, and as you consider it more and more I’m sure you’ll realize that two decades pass very quickly, for all of us. It doesn’t give us time, as I said before for subjectivity.

This field has survived, but not on the basis of being acceptable in the literature. Tewari has tried to publish. I know the IEEE (International Electrical and Electronic Engineers) is involved in this conference, but Tewari tried to publish in IEEE and was summarily rejected. Many of us have tried to publish and have been rejected. The reason Tewari even bothered to try to duplicate this “Acyclic Closed Magnetic Generator,” after years of correspondence with DePalma, was because he was able to convince some mechanical engineers that it had some engineering method. You see they actually did material stress analysis.

We also analyzed. We used Beryllium copper for a reason. It’s just engineering. There are a lot of you in this room who are perfectly capable of doing it. There was nothing magical. We just operated on a different presumption. We said, “Maybe this experiment will work.” And if it doesn’t work, well then it’s like 88% of the rest of them. If it does work, heh, then there is another level of confirmation.

Robert Kinchloe, Professor Emeritus of Stanford University, went to visit the, how can we call it, the encumbered “Sunburst Machine.” This machine was originally developed by DePalma, Richardson and Bernard at Sunburst Farms, Santa Barbara, California. Dr. Kinchloe just out of curiosity of his own mind, decided that he would just see if there was something about it that was unusual. He presented a paper on

it and I understand that it only got to Bruce through somebody else. But that's not unusual, my own attorney directed my attention to an article I never knew existed. It's funny about that. It's funny when representatives from our own Government look me straight in the eye and say, "Yes we know this is real, but we wonder why you would disclose it to foreign nations?"

I said, "I didn't disclose it to foreign nations. It was in an international publication in 1982 and I didn't even know it."

I would suggest to you that it's time for us to not simply entertain a curiosity. I would suggest to you that it's time for us to enter a human process of inter-relationship, to try to attempt to reintegrate ourselves with one another and not in a floaty kind of "new age" sense necessarily at all. Just call ten people and ask them to each call ten people and tell them that we have an emergency on our hands. Demand that the people we are hiring represent us, supposedly, not the major corporations. We are hiring these people to represent **US!** Which one of you has the power to lobby in Washington?

We need to send a very clear message to Washington that states, "Gee, don't you think its silly to be talking about Star Wars? We're only talking about Global Genocide." This without doing anything except for what we are doing right now. We don't have to drop a bomb or fight a war. Just continue exactly as we are now. All we have to do is remain in this collective state of inertia. And I don't personally believe we are going to do that. I don't believe that human beings are not going to rise to this occasion. I don't believe it for a second.

But, I do believe we need first to understand what we are confronted with. And then we need to understand that we can do something about it. We need to act, and we need to act like somebody who is being chased by a hot poker, or someone who cares.

Whichever your response is, Act!

Ten people calling ten people calling ten people, covers the country in a week. It's called "Exponential Networking." I didn't come up with the idea, Fuller did. Call ten people. Ask them to call ten people and find out what happens. It's the equivalence of an electron avalanche in human society. It works.

So, I wanted to try to give a wrap-up and I wanted to cite the fact that we wouldn't be here if it weren't for somebody's vision. Yes, their vision was applied. Yes, their vision, his vision, Nikola Tesla's vision was brought into life. Otherwise he would have been a mere mystic, wouldn't he?

Yes, we do have to sit down with our Macintoshes, or sit with our Hewlet Packard 41C calculators. We had a lot of money (for this field). A total between the two phases of the experiment of about \$200,000. And now I'm finally happy to say it looks like it's going to be produced, or at least this one is going to be produced. It looks like DePalma is also moving into that modality.

We are certainly hoping that more people will come out of the woodworks and say, "Hey, well I've had this thing for the last thirty years but I was told that if I brought it out into the Public when I was working at Los Alamos twenty years ago, they would basically permit character assassination to ensue."

It's hard to believe in some ways, and I don't want to paint a black picture, but I think we have to see the end of times when the New York Times calls a National Center of Atmospheric Research scientist to ask, "How come everyone in the world says that the Reagen report on Acid Rain is a lie?" And the man answers, "You don't understand the kind of pressure we're under here. People's careers are in jeopardy." This when all our lives are at stake.

So I would like to open the floor to questions....

“.....I raised a question in another seminar about the oxygen depletion, and the speaker told me that even if we were to kill all the forests at once it would take a very long time for the oxygen to dissipate out of the atmosphere....”

We are talking about a change in the mixture of gases, okay? There are people who say that even if you combusted all the carbon on the Earth, biomass and post-biomass, the oil reserves, everything, there would still 75% of the oxygen in the atmosphere. Unfortunately, they fail to take certain things into account. For example:

Today we sit, and if you knew what we went through to get this acknowledged in the world press (And it would take me an hour to tell you), but we now have it publicly acknowledged by NASA that we have between a 2.3% and 6.6% depletion in world wide atmospheric ozone depending on latitude and time of year. This not taking into account the rather large depression over Antarctica.

When this level of ozone depletion occurs, the level of Ultra-violet influx increases the probability of Photosynthesis in the lower atmosphere. So, the O₂ is preferentially converted into H₂O₃ for example. This would normally only appear in great quantities after a lightning storm in the past.

We have a lot of H₂O₃ in the atmosphere. We have a lot of O₃ in the Troposphere, which until very recently was being attributed to internal combustion. But O₃ was appearing in large quantities in rural areas where there was very little internal combustion, relatively speaking. It became an embarrassment when the Department of Agriculture had to admit that 2.6 Billion worth of crops were being destroyed per year by ozone alone.

So the photosynthetic reaction that is occurring as the result of increased Ultra-violet influx must be taken into account if we are going to begin to understand what is going to be sustainable in terms of oxygen tensions. It is the mixture of gases that rise from the Biosphere through the Troposphere and into the stratosphere, that determines the tension of ozone, O₃.

The Nimbus satellite, by the way which NASA has conveniently said is out of calibration even though it was in fine calibration last September, and in almost perfect agreement with the instrumentation on the ground in Antarctica. Which by the way at the center of the Antarctic hole, six miles up, we had 96% depletion levels last year. (1987) The jumpsuits worn by some of my friends from the Center for Atmospheric Research, please understand there are a lot of good people there, people there I respect a lot, their nylon jumpsuits were actually degraded by Ultra-violet exposure in just one flight. Several people had serious eye injuries.

Now anybody who is going to suggest that this type of influx is not going to effect the species of molecules that we have in the atmosphere, and the mixture of those gases, is denying an extremely important fact. So whereas I'm not suggesting we're all going to die of anoxia, what's going to happen when the phytoplankton in the oceans die? They are the basis of the entire oceanic food chain. If you are not familiar with them, they are the little critters that actually made all this possible. This conference would not be occurring today without their sponsorship.

I think we need to realize that we are sponsored by living things, and we need to support them so they can support us. Does that answer your question?

Yes, Thanks.

It occurs to me that the resurrection of Nikola Tesla's vision and other people who have had the vision of

the quantum ether, may yet be called on for a second offering. I think it's a good time to invest in this second offering of free energy. We did not invest the last time and now we are paying for it. I don't want to see anybody suffer. What will it be like in ten years, when already the American Cancer Society says that even with sunscreen protection ratings of 15 SPF, direct sun exposure should be limited to an hour?

I hope the Tesla Society will prosper, and move into a new age of manufacturing, implementation and further Development. I want what has happened so far top be totally obsolete in ten years. One kilowatt in your pocket, why not?

There is absolutely no reason why not. You've got ten to the ninety-fourth power, grams per cubic centimeter energy equivalent field. It's not in a great big area, but it's a Lot of energy. If we can just scrape the surface, ever so slightly, we would never have to worry about it again.

That's what Nikola Tesla was scheduled to tell Franklin Delanor Roosevelt back in 1943. In 1943 he had proposed to FDR that perhaps we should look carefully at the fact that we can get all the energy we need from any space we happen to be in.

He didn't show up for his meeting with the president. He was found dead in his apartment, "Natural causes."

There is some suspicion that maybe his visionary paranoia of poisoning was not exactly paranoia, ... but premonition.

I have never mentioned this before, but when I spoke at the 1981 Conference at the University of Toronto, a detective, an older gentleman from New York, with a heavy New York accent, approached me afterwards and said that he was a detective at the time when Tesla had been found dead, and said he was involved with the investigation.

He said for National Security reasons, that nobody was to know that the Coroners report had indicated he had been poisoned.

I have never personally read the Coroner's report, but the man was about the right age. He showed me a badge and I had no reason to doubt this man who had come all the way up to Toronto from New York, just to tell somebody after all those years.

The Coroner's report did say he had been poisoned. Now it turns out that the only medium to my knowledge that actually cites that Tesla had been poisoned is the Yugoslavian film on Nikola Tesla called, "***The Secret of Nikola Tesla.***" So everybody can rewatch the introduction, because they say it right at the beginning. And they also say perhaps that he was killed by the Nazi's.

I did not really want to mention all this, but science cannot exist in an environment where science is not allowed to grow.

Any other questions? Well you have all been a tremendously patient group, Thank you for your attention

Thank you Adam.

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