



# New Energy News

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## HOW TO FUND NEW-ENERGY

By Hal Fox, Editor

In financial circles, an **angel** is a person of wealth who will provide quiet capital for the development of a good idea or an invention. The big problem is to find such an angel and this article will tell how and where to find **angels**.

Many years ago a small business could start a company, enlist the aid of a broker-dealer, and file to sell shares in a risky venture. All start-up companies are risky. Shares could be sold at ten cents a share, for example. Buyers knew that "penny stocks" were especially risky. This was especially true here in the Western U.S. where a lot of the penny stocks were mining stocks. However, on a few occasions, a penny stock did very well. The problem was that a lot of penny stock companies were scams. (So are some dollar stocks, of course.)

In their infinite wisdom to protect the investing public, the Securities Exchange Commission, together with NASDAQ, decided that a broker-dealer could not solicit his/her customer list to sell a penny stock. A penny stock was defined as a stock that sold for less than \$5 a share. The end result was the end of the penny stock market and the end of a century or more of funding for small companies.

The Small Business Administration decided that something should be done to restore sources of funding for small businesses. The SBA funded several universities to establish the Angel Capital Electronic Network (ACENet). The SEC's regulations to protect the small investor makes an exception for millionaires. The SEC defines an **accredited** investor as a person whose net assets exceeds one million dollars or one who makes over \$200,000 per year. (Formerly, there was also an exemption for education. Not now.)

Currently, an accredited investor can subscribe to the ACENet. A small company can fill out the proper forms, register with the SEC (under one of the

exemptions) and offer its shares to the millionaires on the ACENet. This is done by applying to the nearest ACENet operator. Typically, the small business pays \$450 to help cover the cost of this network service. The small business must also use its password and identification number to access the ACENet and upload its offering data. The SCOR (Small Corporation Offering Registration) Form U-7 is the acceptable format. For our registration, the form U-7 totaled 33 pages and took about ten hours to upload.

We highly recommend the ACENet to any group who has a worthwhile development that should be considered for funding. However, you will be expected to have put together a viable business -- not just have an idea. You will need to have a qualified Chief Executive Officer, a qualified Chief Financial Officer, have a corporate structure that has already developed a product to the stage where an angel would be willing to invest. Also, and very important, you must show that you know how to market such a product. If all you have is an idea, you are not ready for the ACENet. You must either fund the development yourself or with a group of friends.

If you have friends who qualify as **accredited** investors, tell them about the ACENet. You can access the ACENet on the internet at webpage <[www.sba.gov/advo](http://www.sba.gov/advo)>. There is information and forms that can be downloaded. Operator addresses and phone numbers are also provided. Currently, there are about 700 accredited investors who are ACENet members. There are about 40 projects currently listed on the ACENet entrepreneur database. However, there are an estimated 250,000 accredited investors in the U.S. Someone needs to tell 243,000 accredited investors about the ACENet. It is estimated that these investors spend about \$20 billion a year to fund about 30,000 new businesses.

Trenergy, Inc. and X Out Corporation have organized a company, Nu OmniComm Technologies, to

engineer and develop a new product for audio-content and video-content control of programs viewed through the family television. This device (called the FG-Chip for Family Gatekeepers Chip) mutes offensive words and scrambles offensive screens under user control. Nu OmniComm Technologies is offering its shares through the ACENet. Trenergy expects to be able to obtain profits from its share of Nu OmniComm to help fund Trenergy's new-energy developments.

#### GREAT LOSSES TO OUR FIELD

The German Association for Vacuum Field Energy We regret to inform you that our honorary president, **Dr. med. Hans A. Nieper** of Hannover, Germany, passed away October 21, 1998 after a stroke.

He has been a founding member of our organization and its president between 1981 and 1997.

During the weekend before his death he attended a conference in Switzerland about New Energy Technologies and presented a paper on ancient technologies in a modern view.

An obituary will be published in the next issue of the Swiss German-language *NET-Journal*.

Sincerely,  
Wolfram Bahmann  
Vice President & Secretary

We have lost another researcher dedicated to making this a better world, **Ben Iverson** passed away in October, after an illness.

"beniverson@aol.com" is a temporary address for eMail messages for Ben's family.

Mail can still be sent to his address:

11466 SW Royal Villa Dr.  
Tigard, OR 97224

## Fusion Briefings

#### BRIEF NOTE FROM FTIR

The following from *Future Technology Intelligence Report*, November 1998, Vol 9, No. 11, page 7:

"UPDATE: CASE CATALYTIC FUSION CELL  
Russ George in California has confirmed build up of anomalous helium-4 in a Case cell. No build up in the control cell."

#### COLD FUSION REAL?

Courtesy of Dr. Joe Hess

Charles Platt, "What If Cold Fusion Is Real?" *Wired*, November 1998, pp 172-179, 222-230.

#### EDITOR'S SUMMARY & COMMENTS

Charles Platt provides an excellent article which reports on a large number of researchers who have worked on cold fusion. All of the "real workers" on cold fusion believe that it is real and that research should continue. This is an excellent survey article of the field. There is one important omission: the role of high-density charge clusters. Here are some of Platt's comments in the Epilogue to his article: Edmund Storms is quoted as saying, "Even overwhelming proof, as demanded by many scientists in the past, can have no effect because no mechanism exists for it to be communicated to the scientific professions." Platt quotes David Nagel of the Naval Research Laboratory as saying that only four of about 5,000 professional journals will accept papers that mention cold fusion. Platt quotes Max Planck: "A new scientific truth does not triumph by convincing its opponents and making them see the light, but rather because its opponents eventually die, and a new generation grows up that is familiar with it." Platt's most important concept is to manufacture a marketable product. "If ... could put a cold fusion water heater in every home in America, **then** the phenomenon would be undeniable." **A message for Charles Platt: We won't have to put a heater in every home. A new-energy device is being developed that will provide thermal and electrical energy. Commercialization is being privately funded. Products will be available early in the 21st Century.** The readers of this publication are well aware of the role of high-density charge clusters in the development of new-energy devices.

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**NUCLEAR SOLUTIONS  
RADWASTE PROCESS**

A technical article in *Infinite Energy* by nuclear physicist Dr. Paul M. Brown, Vice President of Nuclear Solutions, LLC of Aurora, Colorado, shows how overlooked yet completely conventional nuclear physics can be used to drastically reduce the half-lives of prominent radioactive isotopes in nuclear waste. For example: technetium-99 (which becomes stable after 2,120,000 years - after ten half-lives) can be reduced to material that becomes stable in just 43 days; and cesium-137 (which becomes stable after 302 years) can be reduced to products that are stable within 130 days. Patents have been filed on the photo-remediation process.

Company President David Samuel told *Infinite Energy* that this week he and Dr. Paul Brown attended the Spectrum '98 International Conference on Decommissioning and Decontamination of Nuclear Waste in Denver, Colorado. There they met with people at high levels within the US Department of Energy. Samuel said, "Initial comments received when we presented the process were very skeptical, but within minutes of Dr. Brown's detailed explanation of the process the skeptics became enthusiasts." According to Samuel, there have been several requests for immediate demonstrations and strong indications that contracts for pilot plant operations would be initiated following the expected successful experiments. Testing has already been done at the corporate laboratory of Nuclear Solutions. Samuel says that representatives from several government-owned laboratories and facilities expressed the opinion that the process could revolutionize the nuclear industry. It would eliminate many of the present dilemmas in the handling of nuclear waste. The process could save the government and industry many billions of dollars. Another industry cited by Samuel and Dr. Brown as a large potential client for this technology is the radiopharmaceutical industry (nuclear medicine), which requires both the production and destruction of radioisotopes.

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**REPORT ON INFINITE ENERGY'S  
NEW ENERGY / COLD FUSION SYMPOSIUM**

Frank Znidarsic, fznidarsic@aol.com

The symposium was held on October 11th at the Manchester, New Hampshire Convention Center.

The seminar lasted from 8 AM until 9:30 PM. It was long and drawn out. After dinner, Dr. Peter Glueck gave John and I large color pictures of Yuri's latest constructions. I gave Peter one of my CD-ROMS in return. I hope he likes it. I plan to post Peter's pictures on my web site.

During the seminar many topics were presented, including what causes thunder, conspiracies, the Marinov Motor, and electromagnetic anomalies. This went on for hours. I had to ask, "What does this have to do with new energy?"

Hal Fox presented a brief to the point overview of his work with high-density charge clusters. Hal Fox is of the opinion this technology has great potential. I remember about 15 years ago when Hal Puthoff was working with Ken Shoulders in this same thing at Jupiter Technologies. This technology has been a long time coming and it is still not here. At the end of Hal Fox's discussion I asked, "Hal, Do you believe that Shoulder's electron clusters are superconductive?" Fox answered, "Yes they are superconductive and superfluid." I believe that this is a most important point. That's why I brought it up.

Les Case presented his gas phase heavy water deuterium cell. He explained that the technology will be proven shortly. We have all heard this before.

Jed Rothwell explained that cold fusion technology was being developed by older people and as they die off the technology will be lost.

The Kinetic Furnace was sitting to the rear of the conference room. I understand that it does not produce anomalous energy after being transported on a truck. Did it ever produce anomalous energy? I found out that one of the inventors had died. Jed's point struck home.

It was a pleasure to hear Dr. Edmund Storms speak. John and I had traveled to Santa Fee N.M. about two years ago to visit Dr. Storms. This was our second meeting and it was again a pleasure. Storms explained in his lecture that he had gone as far as he could with his own resources and that the field was now on "life support." I could not agree more. It has been three years since Power Gen. Where are the commercial products? Gene Mallove said that there

are many papers on the subject and no more papers are needed. Working prototypes are needed.

I believe that the electrolytic and gas-phase cold fusion technologies have now gone as far as they can and that they are proving not to be commercial. If the field is to be rescued dramatic new approaches must be taken.

I explained to Dr. Storms that my work has lead me to believe that there was a link between superconductivity, cold fusion, and gravity. Dr. Storms informed me that he was preparing an experiment to look for room temperature superconductivity within palladium electrodes. He did mention it in his lecture. No one seemed to notice or grasp this most important point. During the seminar I wrote a note to Dr. Storms telling him why I felt his tests for superconductivity were of the utmost importance. During lunch break I explained to Storms that the test for superconductivity was a very important step. Once it is understood that the process is superconductive, other more robust superconductive technologies can be developed. I explained to Dr. Storms what I believe the basic superconductive processes were. He explained that no one had ever tried that one approach in the reduction of nuclear waste. I outlined our work with cryogenic, radio-frequency cold fusion technologies. I also explained that our group was limited and without funding. Dr. Storm's told me, "If I detect superconductivity you will be the first to know!"

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### HOT FUSION GOES BROKE

Charles Seife, Peter Hadfield, "Fusion Catches a Cold," *New Scientist*, 17 Oct. 1998, p 4.

The International Thermonuclear Experimental Reactor (ITER) has been derailed by the world economic situation. The US has pulled out its funding and scientists are being sent home from the project's design base in Garching, Germany. "Everybody believes that ITER as developed is dead in the water," says one MIT scientist who is returning. Congress refused to budget sufficient money in 1995 for the continuation of the U.S.'s involvement, although Energy Secretary Bill Richardson had pledged US support for another year. With Russia flat broke, that leaves the European Union and Japan to keep the project going. With world economy looking like recession is coming, it is doubtful that they will ante up. Japan had offered to host ITER in the past, but even they may pass it up with the economic situation as it is.

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### NEUTRON RICH NUCLEI

John C. Fisher (500 Arbol Verde, Capinteria, CA 93013), "Liquid-Drop Model for Extremely Neutron Rich Nuclei," *Fusion Tech.*, vol 34, no 1, Aug. 1998, pp 66- 75, 11 refs, 2 figs, 5 tables.

#### AUTHOR'S ABSTRACT

Nuclear energy levels are characterized in part by their isospin quantum numbers. Ordinary nuclides are well described by an independent-particle model with ground-state isospins equal to the minimum possible value  $T_{\min} = \text{abs}(A/2 - Z)$ . It has been suggested that extremely neutron rich nuclei constitute a second branch of the table of isotopes whose ground states have the maximum possible isospin  $T_{\max} = A/2$  and that neutral members of the  $T_{\max}$  branch (i.e., polyneutrons) serve as mediating particles for the new class of nuclear reactions discovered by Fleischmann and Pons. The energetics of the new reactions have been qualitatively described by a liquid-drop model. Recent measurements of the mass spectrum of reaction products produced in the new reactions make possible a refinement of the model, providing an explanation for gaps of instability separating ranges of stability in the mass spectrum.

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### LIGHT WATER EXPERIMENTS

R.A. Oriani (Univ. MN, Dept. Chem. Engr. & Matls. Sci., Minneapolis), "Anomalous Heavy Atomic Masses Produced by Electrolysis," *Fusion Tech.*, vol 34, no 1, Aug. 1998, pp 76-80, 11 refs, 3 figs, 3 tables.

#### AUTHOR'S ABSTRACT

By applying to electrolysis cathodes, a technique that produces essentially only oxides that are volatile at room temperature, spectroscopically determined masses between 222 and 351 atomic mass units (AMU) are found that cannot be ascribed to known compounds. In particular the masses found between 231 and 240 AMU cannot be ascribed to random signals but do correspond to CO<sub>2</sub>, the carbon of which is a neutron-rich nuclide as predicted by a recent theory of polyneutron nuclear reactions.

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### LIGHT WATER FUSION

Gherardo Stoppini (Univ. Pisa, Phys. Dept., Pisa, Italy), "Nuclear Processes in Hydrogen-Loaded Metals," *Fusion Tech.*, vol 34, no 1, Aug. 1998, pp 81-85, 8 refs, 1 fig.

## AUTHOR'S ABSTRACT

Miley et al. and independently, Mizuno et al., claim to have observed nuclides produced in Ni ( $Z = 28$ ) when an electrolytic light-water cell is used. Miley et al. use thin layers of Ni ( $\leq 5 \times 10^{-6}$  cm) and claim that the effect is reproducible. The secondary nuclides are distributed in a wide range of  $Z$  and  $A$  and show nuclides with  $Z < 28$  and accumulations at  $Z = 48$  and  $78$ . If the nuclides at  $Z = 48$  and  $78$  are Ni-Ni fusion, they can be produced only when the original Ni nuclei gain sufficient kinetic energy to overcome the Ni-Ni repulsive Coulomb barrier.

The foregoing data are discussed in terms of current physics. In particular, it is assumed that the gain of kinetic energy derives from an impulsive increase of absolute nuclear binding energies of Ni due to a high rate of capture of orbital electrons and consequent almost instantaneous multiple  $p \rightarrow n$  transitions. Under this hypothesis, neutrino emission should be detected during nuclear transmutation.

## FUSION IN TITANIUM-DEUTERIDE

Akito Takahashi, Katsuhiko Maruta, Kentaro Ochiai, Hiroyuki Miyamaru (Osaka Univ., Dept. Nuclear Engr., Yamadaoka, Japan), Toshiyuki Iida (Osaka Univ., Dept. Electronic, Info. & Energy Engr., Japan), "Anomalous Enhancement of Three-Body Deuteron Fusion in Titanium-Deuteride with Low-Energy  $D^+$  Beam Implantation," *Fusion Tech.*, vol 34, no 3, Nov. 1998, pp 256-272, 22 refs, 12 figs.

## AUTHORS' ABSTRACT

Anomalous enhancement of three-body deuteron fusion reactions was observed by low-energy  $D^+$  ion beam implantation experiment with titanium-deuteride ( $TiD_x$ :  $x = 1.4$ ) using a  $\Delta E$ - $E$  charged-particle spectrometer. The enhancement ratio was  $\sim 10^{26}$ , compared with the traditional theory estimation for a beam/target interaction of the random nuclear reaction process. Two characteristic charged particles of 4.75-MeV helium ( $^3He$ ) and 4.75-MeV triton from the reaction channel of  $3D \rightarrow t + ^3He + 9.5$  MeV were identified by the analysis of measured one- and two-dimensional spectral data. An experimentally obtained 3D fusion rate was on the order of  $10^2$  fusion/s, which is a surprisingly large value. Strong enhancement of 4D fusion was also indicated by a higher-energy alpha-particle spectra.

A positive explanation is given by the hypothesis of simultaneous multibody fusion induced with the coherent dynamic motion of three to four deuterons

and many electrons around special focal points in a metal-deuteride lattice. The observed enormous enhancement of the 3D fusion rate suggests the possibility of "nuclear fusion in solid at room temperature," i.e., so-called cold fusion, which may open a new physics field between nuclear physics and solid-state physics.

## CONCLUSIONS

We have for the first time observed strong evidence of three-body deuteron fusion in a  $TiD_x$  sample. The low-energy deuteron-beam implantation method with a highly preloaded  $TiD_x$  ( $x = 1.4$ ) target and with sophisticated two-dimensional spectrometry and data analysis techniques has been conceived to facilitate this successful observation. The observed reaction rate ratio [ $R_{3d} / R_{2d}$ ] was on the order of  $10^{-4}$ , which was  $10^{26}$  times larger than that by the random reaction theory. An indication of the occurrence of 4D fusion was also observed (with  $10^{51}$  times enhancement). Nuclear products for 3D fusion were detected as tritons (4.75 MeV) and  $^3He$  (4.75 MeV), and 4D fusion produces  $^4He$  via various excited states of  $^8Be$ . Will we meet the bottleneck of  $^8Be$  again in our laboratories, as in the case of stars?

The traditional nuclear physics theory for random reaction processes could not explain the measured drastic enhancement of 3D fusion rates. We have tried to explain the anomalous results by the coherent reaction model in the transient dynamics of a metal-deuteride lattice. The clustering of three to four deuterons focusing many continuum energy electrons onto some points in the lattice was believed to be the explanation of the observed phenomena.

Of course, more elaborate experimental studies are needed to confirm these results. The occurrence of coherent nuclear fusion in a lattice will open a new field of physics between nuclear physics and solid-state physics. We can conceive of many subjects to be studied.

Generation of tritium and  $^3He$  by this simple method may have an impact on, for example, the availability of  $^3He$  fuel for D- $^3He$  hot fusion reactors and tritium fuel for deuterium-tritium reactors. Of course, the ultimate dream is the realization of clean and "calm" low-energy nuclear reactions by enhancement of the 4D fusion rate. [ It has been shown that charge clusters are produced in cold fusion experiments. High-density charge clusters ( $>10^{11}$  electrons) can produce unexpected nuclear reactions. – Ed. ]

## TRITIUM PRODUCTION

Stanislaw Szpak, Pamela A. Mosier-Boss, (Space & Naval Warfare Systems Cntr., San Diego, CA), "On the Release of  $^3\text{H}$  from Cathodically Polarized Palladium Electrodes," *Fusion Tech.*, vol 34, no 3, Nov. 1998, pp 273-278, 19 refs, 3 figs.

#### AUTHORS' ABSTRACT

Release paths for tritium produced during electrochemical compression of deuterium in a Pd lattice are examined. Arguments in support of the reversal of diffusion caused by gas evolution on the electrode surface are presented.

#### CONCLUSION

Tritium production requires high D/Pd atomic ratios. This requirement is met if there are no channels reaching the contact surface. The electrogenerated tritium is distributed among voids and bulk material. Should new conditions arise that create channels, e.g., a change in the HER mechanism, a short time release of tritium would take place. In our experimental work, there is no clear evidence for this to occur.

Conditions believed to affect the initiation of the Fleischmann-Pons effect is the existence of gradients and other "hidden variable." Such conditions do exist in the vicinity of the contact surface and are, in part, due to evolving gas bubbles. The thickness of the active region depends on the residence time of gas bubbles and the dominant transport step. The estimated thickness for diffusion control is in the micron range.

Gas evolution promotes a continuous exchange between the  $^3\text{H}$  atoms residing in the subsurface layer with those in the adsorbed state. Atoms in the adsorbed state exchange with the molecules of the contacting electrolyte phase or gaseous phase, leading to two distinct transfer paths.

## Miscellaneous

#### INSTITUTE FOR NEW ENERGY-TECHNOLOGIES MEETING

Wolfram Bahmann DVS <[wbahmann@gptec.com](mailto:wbahmann@gptec.com)>, INE Board Member, Germany, "A Brief report from the Swiss meeting on the weekend in August, 1998," courtesy of the author.

Organized by the recently founded (Swiss) (INET), the German Association for Vacuum Field Energy (DVS) and the Swiss part of the Tesla-Institute, a conference was held under the title, "New Impulses in Technique and Science." It took place in the SSG-Hotel in Egerkingen near Olten, about 60 kilometers south of Basel, Switzerland.

About 70 people from 8 countries met for 9 oral presentations and a workshop in the evening of the first day.

J. Heinzerling, a science author, led the introduction with the question: "Energy from Nothing - Dream or Reality?" It was followed by an overview about the ICCF-7 in Vancouver by Professor Dr. J. Gruber. The president of the DVS, Wolfram Bahmann, presented a paper dealing with the "de-coupling of aether-energy by plasma discharges," summarizing the inventions of Puthoff, Chernetskij and, in more detail, of Correa's "Pulsed Abnormal Glow Discharge." The principle of the smallest action and the 2nd law of thermodynamics were explained with a theoretical paper by W.D. Bauer. N. Camus followed - critically commented - with his "Nithium technologies," which was also the title of his workshop.

The next day started with a highly interesting presentation about the "Phenomena of Implosion and the Wake Force." This excellent paper was given by Prof. A. Even. He worked out the main details of a new dynamic of fluids according to the principles of Schauburger (see his internet site: [www.evert.de](http://www.evert.de)).

W. Steffen from Unilicence SA showed the important details of the "Licensing and International Technology Transfer," explaining the way from an invention to a marketable product by many examples.

K. Klawitter, a former UN delegate, proposed in his presentation, "International Projects to Aid the 3rd World," to introduce devices – after completion of any – into the third world countries. Such devices are supposed to bring much more advantages for the people and will lead to a rapid acceptance, because otherwise there remain big lacks of money for absolutely necessary energy products.

The meeting ended with a report by H. Weber and A. Schneider from the lab experience with the GEET-plasma reactor from Pantone, which is intended to be distributed by the TransAltec company, a private initiative of the founders of INET.

The meeting hotel provided a comfortable environment for many new personal contacts during and after the meeting. Another meeting of this kind is planned for the end of October this year.

## NEW GRAVITATIONAL THEORY

Shiuji Inomata, PhD. (Japan Psychotronics Inst., Niigata, Japan), "We Don't Need Relativity Anymore! New Gravitational Theory and a Gyro," *JPI News*, Oct. 1998. (English translation)

S. Inomata's paper entitled "Consciousness (Ki), Gravity, Rotational System" [1] which was presented at JPI Sept. meeting at Waseda University, has attracted much interest in Japan. S. Inomata commented that the weight change of a rotating system with high speed, such as a gyro, has attracted international interest by N.A. Kozyrev [2], decades ago, and by H. Hayasaka's recent research [3]. And he concluded that this phenomenon could not be understood by either Newton's theory, or by Einstein's gravitational theory. Inomata analyzed the weight change of a rotating gyro by his new gravitational theory, ie. "Shadow EM Theory"[4].

Inomata remarked that Einstein's general relativity is based on the principle of constancy of light speed, equivalence principle, and the curved space-time, but that his theory is based on the sole hypothesis that both electrical and gravitational forces obey the inverse square law.

He also commented that one must notice that the title of Kozyrev's paper [2] which reported his gyro experiment is "On the Possibility of Experimental Investigation of the Properties of Time." The true meaning of Kozyrev's "time" is, according to Inomata, consciousness (Ki) or non-material aether. In the years when Kozyrev was active, Russia was dominated by the Soviet communist party, and the ideological control forbid him from using the word "consciousness." Inomata commented that he was prompted for his gyro theory by T. Hattori's paper, entitled, "Faraday's Law in Dynamics - More Analogy"[5]. A physicist, Hattori pursued the formal analogy among equations in dynamics and EM. For example, Lorentz force in EM is expressed as follows in cgs unit.

$$f = qv \times H \quad (1)$$

On the other hand, Coriolis force in dynamics can be expressed as,

$$f = 2mv \times \omega \quad (2)$$

Comparing (1) and (2), it can be seen, excluding coefficient 2 g corresponds to m, v, to v, H, to  $\omega$  that is, there is a formal analogy. When we transfer to the shadow EM, it becomes the identity. Corresponding to (1), Lorentz force in the shadow EM becomes the following. And "i" is the imaginary number unit.

$$f = i \int_m v \times iE_2 \quad (3)$$

$$= - \int_m v \times E_2 (i \times i = -1)$$

$$= - \sqrt{G}m v \times E_2 (\int_m = \sqrt{G}m)$$

Comparing (2) and (3), if we put,

$$E_2 = - 2 \omega / \sqrt{G} \quad (4)$$

"f"s in (2) and (3) become the same. That is angular velocity vector  $\omega$  and the gravitational vortex vector  $E_2$  of the shadow EM have been related. According to Inomata  $i E_2$  is the "torsion field" which Russians are talking about. Then, hypothesizing the gravitational induction phenomenon in the shadow EM, which corresponds to Faraday's induction of ordinary EM, the change in gravitational mass  $\Delta m$  (gr) can be computed as,

$$\Delta m = (2 \Pi r^3 d / cG) f \omega_0 \alpha_e^{-dt} \quad (5)$$

Where, m is the change of gravitational mass of a rotating gyro, r is the radius of a gyro, d is the thickness of the gyro, c is light velocity, G is Gravitational constant, f is the rotations per second,  $\omega_0$  is the initial angular velocity,  $\alpha$  is the decay constant of angular velocity of a particular gyro; they are all cgs units. In Inomata's theory, the gravitational mass does not change in stationary rotation, i e,  $d\omega/dt = 0$  but it does in non-stationary rotation, i.e.  $d\omega/dt \neq 0$

The non-symetry between the right-left rotation and the weight change cannot be explained by this theory. As the numerical example;  $t = 1.000$  sec.,  $t = 2$  cm,  $d = 1$  cm,  $\alpha = 0.001$  sec<sup>-1</sup>,  $\omega_0 = 200$  rad/sec (= 6.000 rpm),  $f = 2202$  cps,  $c = 3 \times 10$  cm/sec,  $G = 6.7 \times 10^{-8}$ , then the change in the gravitational mass  $\Delta m = 0.21$  gr.

This theoretical prediction is 2 digits larger than the experimental data obtained from metal gyros.

However, Inomata suggested that if we use gyro-material which absorbs and stores the "shadow electrical charge" which is the same thing as "Ki", "Spirit", and "non-material aether", then the prediction will be realized. As the candidate material, he suggested water (H<sub>2</sub>O). A rotating gyro, containing water could perhaps levitate.

### ADVERTISEMENT

In the February, March, and April, 1998 issues of *NEN* on the inside back cover was an advertisement entitled "EASY MONEY". To date there has not been one single response, nor will there probably ever be. Hence, no ZPE, no Push Gravity, no real mass increase with velocity/speed, etc., apparently, all verbiage.

For the readers of *NEN* who wish to know why and those who had hoped someone else did, but didn't, this is all set forth in my book. What is in this book **has never been reputed or even questioned** by those who have read same or papers written and published in science journals based upon its contents.

This book is written in simple English and contains no calculus nor extended equations. It uses many of the simple physical equations found in most first year physics textbooks. It can be read and understood by those who have never even taken a course in physics, but do have some general knowledge of same. It contains very little unnecessary verbiage.

It consists of some 530 pages of text and documents, 142 pages of index which includes multiple cross-indexing, and is profusely illustrated, in two volumes.

It contains some 500 new discoveries which completely upsets all modern theory including relegating the Theory of Relativity to just another theory which gave some right and some wrong results, and destroys hundreds of current "beliefs". It is the very first book (equations and back up mathematical solutions) which can answer some WHY(s). It gives two causes why the electron(s) does not spiral into the nucleus as they do not radiate in the first place, and why mud flies off on a tangent from a spinning wheel, the correct Heisenberg Uncertainty Principle which has no direct relation to Planck's Constant, as examples.

In same will be the quantization of the physical constants, how, where, and when time was possibly created and what it might be (there are two kinds of time), solution to gravitational attraction, solution to the scalar equation for G, what G is, how any constant of proportionality can be eliminated in any physical equation (hence, no permittivity and permeability of vacuum; no aether, no G {still useable as a **practical** application}), exactly what energy is, what is Planck's Constant, no Push Gravity possible, no ZPE possible, no violation of the conservation of mass energy, no Grand Unified Theory, what is inertia, mass of the neutrino, universe's parameters, and much, much more.

The title is: **QUANTUM-QUANTA THEORY \* \* \* THE THEORY OF THE UNIVERSE**

Both volumes (in USA \$) by priority mail is \$48.00. In Canada \$50.00, air marl. You can keep and read same for 90 days after receipt. If not satisfied, return it prepaid and if received in salable condition, \$40.00 will be refunded. This book is published to order, but should be shipped within 10-12 days after order received.

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2. N.A. Kozyrev, "On the Possibility of Experimental Investigation of Properties of Time," *Pulkovo Obsevatory*, 1971.
3. H. Hayasaka and T. Sugiyama, "Anti-Gravity Does Exist," *Tokumashoten* 1998, Tokyo.
4. S. Inomata, "Paradigm of New Science - Principia for the 21st Century," *Gijutsu Shuppan*, 1987, Tokyo.
5. T. Hattori, "Faraday's Law in Dynamics - More Analogy," *The Parity*, vol. 3, no. 7, 1998 July, Tokyo.

### THE SWISS METHERNITHA M-L CONVERTER

*Courtesy of FTIR and Don Kelly*

The Space Energy Association (Don Kelly, P.O. Box 1136, Clearwater, FL 34617) is building a prototype Swiss M-L converter. This is a development of the old Wimshurst generator designed by Paul Baumann and operating at the Methernitha community in Switzerland for many years.

Kelly estimates that the present design converter can supply about on third of the electricity requirements



for a standard house (the DC portion for heating and lighting). The standard converter cannot run DC or AC motors.

The Kelly project is to upgrade the design to a combined AC/DC system to fill domestic requirements including air conditioning.

This is a doable project and ideally suited to Kelly's talents. Kelly has numerous patents and decades of experience in the electrical field. If you have the technical expertise and interest contact Don Kelly at the above address.

**BEWARE of misinformation on the Internet... some sites have erroneous (and dangerous) information. Methernitha is NOT a radioactive device and you don't need radium chloride doping.**

#### **ROLE OF THE MESSENGER (excerpts)**

By Wingate Lambertson  
*Courtesy of Don Kelly*

Thus far the messengers in the New Energy Movement have been: The German Association for Vacuum Field Energy, Planetary Association for Clean Energy, *Space Energy Journal*, *the Journal of New Energy*, *New Energy News*, *Infinite Energy*, KeelyNet BBS and others for a total of over 17 and growing by the year. When I contacted the Director of Research of U.S. Steel about my energy collection method, he had his staff check on zero-point energy and found a lot of information on the subject. It is there for those who are interested.

There is another group of people who have a need to know about new energy and yet are uninformed. Those are the movers and shakers of the energy production industry and their major customers. Royal Dutch Shell has elected to concentrate on photovoltaics, biomass and wind energy as their renewable energy field. Shell is the second largest oil company in the world. The U.S. Dept. of Energy, DOE, has set its sights on another 10 years to perfect high temperature fusion. Ford, General Motors and Daimler-Benz (Chrysler) have gone into the development of fuel cells for transportation in cooperation with Ballard Power Systems of Canada. Fuel cells will be based on hydrogen and will remove pollution from the transportation sector and move it back to the power plant. Thus those in control of the energy industry are making no movement towards new energy, meaning cold fusion and zero-point energy.

#### **ENERGY CHALLENGE FROM BUSH**

Courtesy of Dr. Samuel P. Faile

Staff (Assoc. Press), "Bush issues challenge, says new power sources needed," *Cincinnati Post*, Monday, Sept. 14, 1998.

#### **EDITOR'S SUMMARY**

Former President, George Bush is quoted as telling some of the world leaders (at 17th Congress of the World Energy Council) that developing new sources of power is one of the most important challenges to world leaders. Bush said, "I firmly believe that adequate, affordable and accessible energy is one of the engines to drive mankind's progress as we prepare to begin a new century." This conference is held every three years in various countries. The theme for this year's congress was "Energy and

#### **NEW ENERGY NEWS BIBLIOGRAPHY**

Just updated from INE, a complete bibliography is available containing over 1000 references, listing all the articles, papers and abstracts published in the *New Energy News* since we began back in 1993. Request PC WordPerfect 6.1 or ASCII format. Copies are US\$10, postage and handling included. INE, P.O. Box 58639, Salt Lake City, UT 84158-0639, USA, or call 801-583-6232.

## Free Energy: The Race to Zero Point

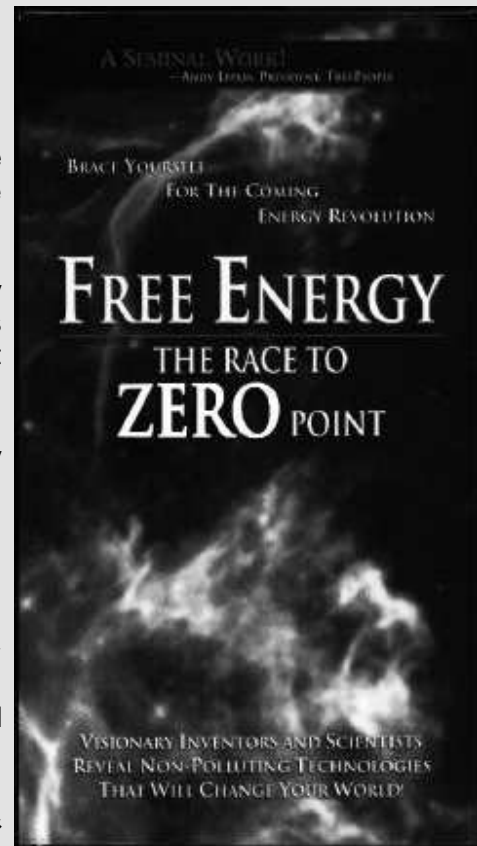
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Technology: Sustaining World Development into the Next Millennium." The World Energy Council is based in London.

### SPACE ENERGY JOURNAL, SEPT 1998

The *Space Energy Journal*, vol IX, issue III, has the following Table of Contents:

Editorial by Jim Kettner  
Letter from Hal Fox  
Update: The Case Catalytic Fusion Cell  
The Swiss ML Converter Revisited and Updated  
by Don Kelly  
Ion Electromagnetic Engine Patent  
by Jimmy Sabori  
New Book Release - Hendershot.

Cold fusion produced by the Case Catalytic Fusion Cell is expected to be developed into a 10 watt demonstration unit and then into a larger power cell.

Don Kelly cites the Swiss ML Converter as being one of the best new-energy developments and speculates that with new information there should be some successes in replication.

The Ion Electromagnetic Engine patent is somewhat similar to the Papp engine. Both use the expansion of noble gases to actuate engine pistons. The patent claims use such expressions as "ignition of the inert gas catalyst mixture;" "applying a high frequency voltage;" "pulsating magnetic field;" and "electrodes having relatively sharp points." To one skilled in the art of making high-density charge clusters, these statements suggest that the essential working feature of the Sabori engine is the creation of high-density charge clusters and the effect of these charge clusters on inert gas mixture. The introduction of a high-density charge cluster into inert gases would tend to rapidly expand the gas or gases. By using inert gases, one would not expect any chemical reactions. As long as there is sufficient cooling, the gases should also contract rapidly. The source of the power is not just the input electrical power to make the charge clusters but whatever source it is that is

tapped by the charge clusters. [See Kenneth Shoulders' patent 5,018,180 for another method of obtaining energy from high-density charge clusters.]

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### THE FIFTH DIMENSION

*Courtesy of Chuck Bennett*

Marcus Chown, "Fifth and Counting," *New Scientist*, 24 Oct 98, pp 28-32.

#### EDITOR'S SUMMARY

The **Large Hadron Collider** (LHC) at CERN near Geneva Switzerland may be used to find evidence of the fifth dimension, suggests Marcus Chown. Two German mathematicians, Theodor Kaluza and Oskar Klein (working independently) sought to show that the electromagnetic force might be explained by calling into use a fifth dimension. The first four are the three dimensions of space and one of time. A fifth dimension could allow for the explanation of a variety of physical phenomena, according to this article. Other dimensions may or may not be mathematical fictions but there are discussions about six dimensions being rolled up into small dimensions of the order of Planck's length of  $10^{-35}$  meters. The article discusses the possible existence of multi-dimensions rolled up into larger units than Planck's length.

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### FIRST ATOMS - NOW ELECTRONS

*Courtesy of Chuck Bennett*

Charles Seife, "Into the Vortex," *New Scientist*, 24 Oct 98, pg 7.

#### EDITOR'S SUMMARY

In 1980, in Germany, Klaus von Klitzing showed that using the Hall Effect (using cold conductors in a strong magnetic field) observations increased in jumps. These jumps were explained by the charge on the electron. Recently two scientists, at Columbia (Störmer) and at Princeton (Tsue), found fractional electron charge jumps. While this effect could have been explained by fractioning the electron charge, that relatively simple explanation was not satisfying. Therefore, the explanation proposed is that a unit of charge is coupled to charge-sharing in vortices of electrons swirling in the strong magnetic field. In this way, it is proposed that jumps of  $e/3$  can be explained. Perhaps there may be some experimental evidence that can be wrung out of measurements of the effects of high-density charge clusters, which appear to be strong vortices of millions of highly-dynamic electrons.

---

### OIL COMPANIES AGENDA?

*Courtesy of Rick Harrison*

#### A NOVEL WAY TO GET DONATIONS

We received an interesting solicitation from Creative Science and Research, P.O. Box 8001, New Albany, IN 47151 (phone 812-949-2394). This four-page solicitation for R&D funds is emboldened with comments: "Information our US Government & and Oil Companies do not want you to know!" "Extremely CONFIDENTIAL Material Enclosed!" "For Selected Customers Only!" The pamphlet offers to send you plans, blue prints, patents, for a variety of energy-related devices. The following are offered: "The T. Henry Moray Device. 50,000 watts of Free Energy!" "Home Made Solar Cells." "Free Energy From a DC Motor." "318% Over Unity Permanent Magnet Motor (Japanese Patent)" "The Joe Newman Motor. 800% over unity." "Anti-Gravity Sphere." "Anti-Gravity Engine." This last is T.Townsend Brown's patent.

All you have to do is to send a donation for the amount shown and you will get plans or patents or instructions or some combination. The accompanying letter states: "because we feel you are a customer we can trust..." and "We are trying our best to get this suppressed information out ..."

**In over ten years of publishing information about new-energy devices and inventions this NEN office has not encountered a single incident where any group or member of a government agency or any oil company representative has warned us away from our intensive R&D and publication efforts for new-energy developments!** We do believe that there have been serious incidents in the past where certain types of inventions were either bought up and shelved or where persons were warned (and perhaps damaged) by the actions of some unknown groups. It is our studied judgement that for every real act of suppression, there have been many more acts where such events were staged (such as laboratories trashed) by the inventor when he failed to fulfill promises of new-energy developments to his funders.

The power companies cannot build nuclear power plants because of intensive public disapproval. New coal-burning plants are too expensive to build and operate under the current requirements of the EPA. Oil company executives have informed us that they would sooner keep their oil in the ground and sell it later at \$50 to \$60 per barrel for chemical feedstocks rather than sell it under government pressure for \$15 to \$20 per barrel to burn in autos, trucks, and power-generating stations. No new power-generating plant

## CONTROL OF FAMILY ENTERTAINMENT

Studies have shown the bad effect on children of violence on TV. The result has been national legislation, enacted by Congress, and signed by the President to have the "V-Chip" in the future set-top boxes. The V-Chip is meant to prevent children from viewing movies having a "violence" category. The deletion of an entire movie or television program is unacceptable to the entertainment industry.

The entertainment industry favors user-control -- not government control. **Family Gatekeepers has demonstrated a better approach -- the FG-Chip.** We are pleased to announce that Nu OmniComm Technologies (hereafter OmniComm) has an exclusive agreement to provide further engineering and manufacturing oversight for both the Phase I and Phase II FG-Chip devices.

### Phase I - Audio-Content Control

The Phase I FG-Chip uses the closed caption series of words, compares each word with a list of offensive words, and mutes the offensive words on the family television. This product is in the final stages of design for making production prototypes. With about twelve weeks to arrange for the thousands of parts and for large-scale manufacturing, the Phase I FG-Chip Audio-Content Control device will be in production to meet the demand. The FG-Chip will be sold by Family Gatekeepers using television infomercials, radio and family magazine advertising, and sales kiosks in over 150 malls. In addition, sales to large department stores has already been arranged. Both marketing channels are waiting the word on product availability.

### Phase II - Audio- and Video-Content Control

This product is now being designed but requires that all frames which have any type of offensive scenes (violence, nudity, drugs, sex, torture, etc.) be frame coded. **It is important to know that this effort has been accepted by the entertainment industry!** They are aware of the importance to provide user-control over family viewing rather than to have some government agency impose restrictions on the industry. This product is protected by patents pending and by special license arrangements for voice-recognition software. **More important, this product has massive marketing support -- the same as for the Phase I FG-Chip device.**

### Business Opportunities

If you are interested in helping to market this product or to buy the product for your family, the retail price will be in the \$75 range. For further information call or fax:  
Voice: (801) 466-8680 Fax: (801) 466-8668 email: halfox@slkc.uswest.net

**Note: This is not an offer to invest. Such an offer can only be made by the Offering Circular and only to accredited investors. Further Information is available on the ACENet.**

has been built (at least in the Western U.S.) for over ten years. Power companies have even subsidized the insulation of homes for persons of lesser income so that there would be more power to use for the growing demands of commercial customers. Under strong government sponsorship there has been a lot of energy saving by energy conservation. However, conservation can only accomplish a limited amount of power savings. Soon we either cease to add industrial capacity in the U.S. and send our jobs offshore or we solve the energy problems. **The power companies know this!** There is no current suppression of new-energy concepts except for the attempted suppression of cold fusion by the hot fusion community.

None of the devices touted by Rich Harrison have commercial potential at the present time. As reported in this publication, there are devices that do have commercial potential. None of these devices are mentioned in the solicitation from Creative Science and Research. **NEN is strongly dedicated to the development of new-energy systems and devices that can be commercialized. In our judgement, none of the devices listed by Creative Science are known to have commercial potential.** We invite the president of Creative Science & Research to respond to our criticism of his money-raising efforts. He is not a subscriber to New Energy News. He should be!

## Scientific Paper

### REACTIONLESS PROPULSION AND ACTIVE FORCE

By Alexander V. Frolov

#### ABSTRACT

The goal of this paper is to suggest some technological ways to create an active force that doesn't require reactive mass flow. The active force can be applied to many aerodynamics systems and the force is result of the pressure difference from the medium to the system. By analogy, the space-time itself can be considered as some medium of interaction.

#### INTRODUCTION

There are known mechanical systems of gyroscope precession, gyroscopes of alternating radius, and gyroscopes of nonlinear vibrations. For other systems the velocity of rotation of the mass is changing for different parts of the trajectory that produce some inner gradient of pressure in the system from the rotor to the stator. Some mechanical systems use special vortex.

#### Electro-mechanical systems that use an electrically charged rotor.

There are known electromagnetic systems that use Lorenz force, magneto-hydro-dynamical effect, or Hall current. Some antigravitation effects have been investigated for so-called Hooper bi-directional coils and in the flat current systems (Möbius loops). An old idea is to use diamagnetic vapor that is accelerating in a permanent magnet field.

High electric potential systems have been produced by Tesla and by T.T. Brown's research work. The Biffield-Brown effect describes the active force that is created in any flat capacitor to the positive plate side for voltage above 50 kV. Dr. Brown did not explain the effect to show the reason for the force produced, therefore, we have to suppose that this force is a result of the asymmetry for orbital motion of the electrons in the dielectric atoms in strength of the electric field between the capacitor plates. The asymmetry leads to centrifugal force gradient and a non-zero linear component of this force.

#### Research programs for superconductivity – gravitation connection.

A special case is thermo-gravitation propulsion technologies. Fig. 1. shows a plan for an experiment that was described by Alexander Shegolev as weight changes in a heated metal ball if in the top of the ball the cone part was removed to create non-zero total heat flow of this mass.

### Thermogravitation

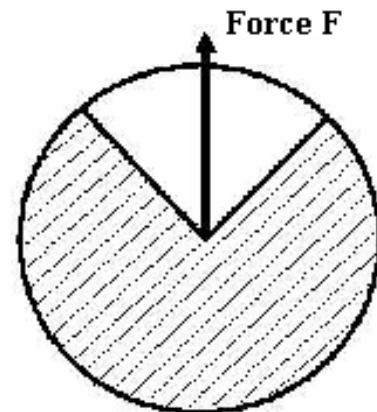


Fig. 1.1

The next obvious step is to find the reasons for this active (reactionless) force. It is known that interactions among atoms or molecules and space-time are normally demonstrated as chaotic oscillations or movements which are considered as heat processes in matter. In material objects of special shape (like the ball in Fig. 1.1), the vector sum of such oscillations is not equal to zero. Therefore, the object gets some impulse in the of this impulse is the same as the nature of chaotic impulses that are received by any atoms from the space-time (from the aether).

Fig. 1.2. shows a plan for another thermo-gravitation closed system design: the reactive flow is transformed by some converter. One of many versions for it is the cooling of the flow by means of special vortex process. Similar to Fig. 1.1, the active force is the result of non-zero vector sum for heat processes of each particle of the matter.

**Transformation of the heat of the reactive stream**

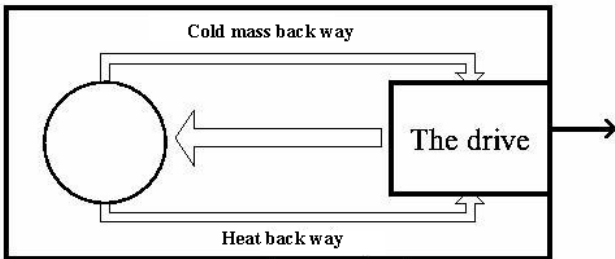


Fig. 1.2

It is appropriate to make some supposition about the nature of heat energy. According to Pavel D. Ouspensky (Russian philosopher) and Nikolay A. Kozyrev (Russian astrophysicist), there is energy exchange between particles of matter and the so called "flow of time" for any real existing material particle. In other words, it is the physical mechanism of existence of the mass-matter in the time flow. By P.D. Ouspensky, the heat chaotic oscillations are the result of this energy exchange. By N.A. Kozyrev, the stars have no inner source of energy but they are working like some kind of machine that transforms the energy of so-called "flow of time" into the energy of heat radiation (electromagnetic waves). Therefore, we can make the conclusion: The existence of any material system is defined by its energy exchange with so called "flow of time" of certain velocity, i.e., rate of process.

Modern physics of the vacuum considers the notion about so called "virtual particles." The old idea for the aether particles can also explain chaotic impulse interaction between real particles of matter and vacuum (aether). The target now can be formulated as follows: an active drive could be designed if the conditions for directed impulse energy exchange between real and virtual particles are created. Such an interaction takes place anytime and always, but the total vector sum is zero for the spontaneous nature of the process. We have a chance to order this process as directed heat flow in the mass of the drive, or to influence the vacuum by means of force field (electrical, for example) to order the processes of creation and annihilation of the virtual particles. Such sort of influence is the reason for electrical interactions. Fig. 2 shows repulsion and attraction modes for two electrically-charged bodies. The first case, total sum intensity between bodies is less than the intensity of each body. The second case, the intensity between bodies is more than the intensity of the electrical field of each body. In fact, each electrically-charged body is surrounded by joint summary electrical field that is not symmetrical and

some gradient of electrical intensity is the reason for the force. It is important to understand that there is direct interaction between body and surrounding space (aether) and force is the result of the gradient of the pressure such as for aerodynamics. There is no need for a hypothesis about so called **long distance interaction**, since all force interactions (electrical included) are simple mechanical effects.

Lorentz force also can be considered a result of some gradient in the aether, Fig. 2.3. Since the **intensity of the field** itself is the gradient of the **potential** ( $E = -\text{grad } \phi$ ), so the gradient of the **intensity of the field** ( $\text{grad } E$ ) is a quality new notion that may lead to new physical effects, i.e., to the active non-compensated force.

Assuming the common nature of the examples considered we have to conclude: the base for electrical and magnetic interactions is the same as for energy exchange of heat processes. The **field** means some area of space where the processes of

**Repulsion**

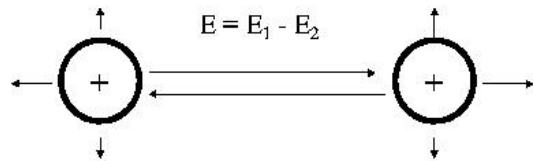


Fig.2.1.

**Attraction**

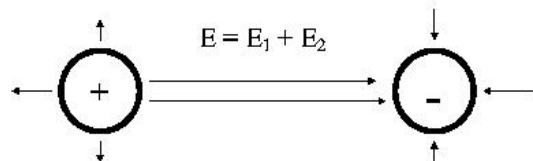


Fig.2.2.

**The Lorentz Force**

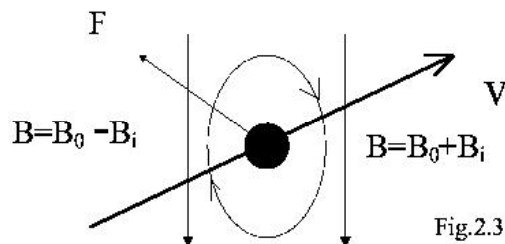


Fig.2.3.

interaction between the aether and matter are not chaotic and spontaneous, but are ordered in some degree. More order means more value of the force. The field influence to processes of impulse interaction between material particles and aether (virtual) particles make this interaction directed in some certain direction. This way we are coming to the mechanics on the aether level as the base for electricity and gravitation that is electro-gravitational unification.

Let's consider some design, where the properties of matter are used to create the situation described above. It is necessary to note that there is no difference, in principle, between a particle of matter and the space area adjacent to the particle as was mentioned by Faraday. So, if we are working to make some special structure of the matter, we are working with space structure in the volume of this material object.

Gradient electrical field

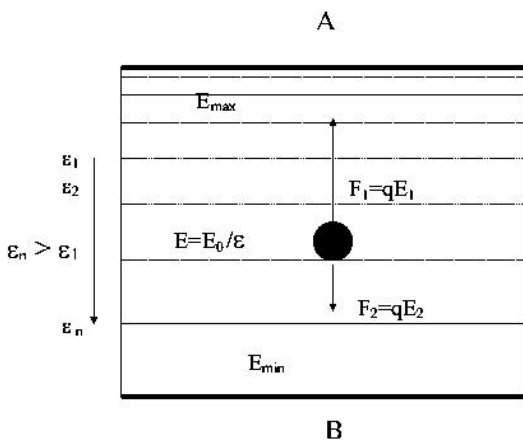


Fig. 3

The dielectric (Fig. 3) that is placed between plates is non-linear since there is a gradient of permittivity along the electrical intensity lines. Normally, the polarization of particles of the dielectric is symmetrical in positive and negative plate side. But, in this case, the asymmetry of properties of the dielectrics produce the asymmetry of polarization and there is some non-compensated force in this kind of capacitor. T.T. Brown patented something like this in USA patent 3187206 of May 9, 1959. Simplest case is a two-layer dielectric (Fig. 4.1). where the force is created on the border between two different dielectrics. This force is known since 1927 and it is known in industry as the Johnsen-Raabek effect.

The force on the border between two different dielectrics

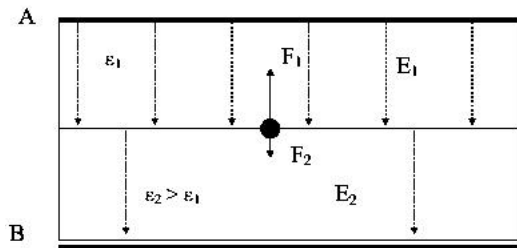


Fig.4.1

The experiment

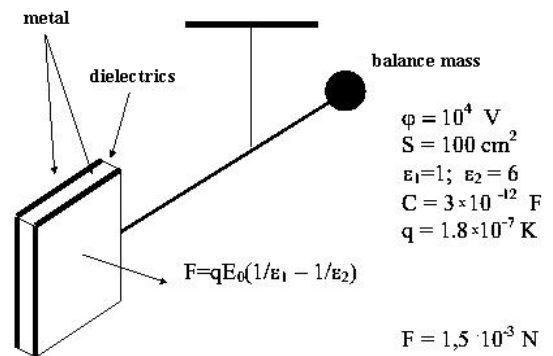


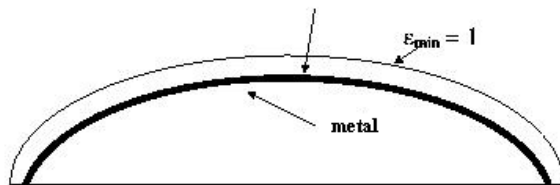
Fig. 4.2

Consider an experiment, as depicted in Fig.4.2. The base of the design is the dielectric of permittivity = 6 for one layer and a second layer is the dielectric of permittivity = 1. The size of the plate is 100 square cm. The high potential direct current source is a self-made design. The potential difference is about 10 kV. The calculated active force should be about 0.001 Newtons or 150 mg that was detected by means of rotation torsion effect.

Fig.5 is an approximate calculation for a commercial project. The surface is taken as 100 square meters. The capacity of sphere for 1 cm radius is 1 pF, the calculated capacity should be about 1 microFarad. The special ceramics can be used that increase the permittivity from 1 up to 80. The potential of 100 kV is a reasonable value. For this potential and the surface

## Calculations

anisotropy dielectric  $\epsilon_{\max} = 80$



$$F = qE_0 (1/\epsilon_1 - 1/\epsilon_2)$$

$$\epsilon_1 = 1 \quad \epsilon_2 = 80 \text{ (ceramic)}$$

$$\text{Square } S = 100 \text{ m}^2$$

$$\text{Capacity } C_0 = 10^{-6} \text{ F}; C = \epsilon_2 C_0 = 8 \times 10^{-5} \text{ F}$$

$$\text{Potential } \varphi = 10^5 \text{ V}$$

$$\text{Charge } q = CU = 8 \text{ K}$$

$$\text{Intensity of the field } E = 10^5 \text{ V/m}$$

$$F = 8 \cdot 10^5 (79/80) = 7.9 \times 10^5 \text{ (N)}$$

$$F = 7.9/9.8 \cdot 10^5 = 80 \text{ T}$$

Fig. 5

we'll get the electrical charge about 8 Coulomb. The difference of forces that are acting on the particles of this gradient dielectric is about 80 ton.

There is a square function for force from the potential, so it is more useful to increase the potential for the same surface than to increase the surface.

In conclusion, some comments about the necessity for a true law of impulse conservation. The name of the report **reactionless propulsion** noted the absence of ordinary reactive flow of fuel mass. In the systems considered above, there is the reaction force since the velocity of the system is changing and the compensation effect here is the change of the impulse of the **virtual particles** or **particles of the aether**. Therefore, the heat energy exchange balance should be changed and the aether is expected to become colder. The effect can be detected since the time rate should change for the mass of the so-called **working body** of such kind of active drive.

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7-812-2747877

# LETTERS

## RAMAR PILLAI HERBAL FUEL

Wesley Bruce

The work on Herbal Petrol, now called "Herbal fuel" is coming to fruition. The inventor Ramar Pillai is getting an international patent and is establishing a small plant in his home village. The claims of fraud seem to have had little effect on the regional government that has seen many demonstrations. Only one demonstration had failed in Deli, hundreds of miles away from the area where the plant grows. This implies that the active ingredients of the plant extract has a shelf life of only a few days or it is temperature sensitive.

A news group has been running on the subject for several years since New Energy News last covered the subject. I have been active on the news group with several postings. The web address is: <http://ppp.india.com/bb/>

I believe that Ramar has discovered a plant that makes a hydrocarbon to repel insects and grazers. This is not unusual, as many plants are hydrocarbon rich for this reason. What is interesting is that this plant seems to make the hydrocarbon using a heat driven enzyme path-way similar to photosynthesis, with atmospheric  $\text{CO}_2$  as the carbon source and the water as the hydrogen source. Mr Ramar Pillai appears to have partly isolated the enzyme path-way and made it work in a simple chemical process. While his equipment is not much more than a cooking pot, most people forget that a beaker is just a glass cooking pot.

Some have argued that there is a mass deficit because the measured mass of the water and hydrocarbon produced reportedly exceeds the mass of ingredients. The process should release more grams of oxygen than grams of carbon it takes in. One oxygen from the water and two from the  $\text{CO}_2$  it absorbs from the atmosphere per  $-\text{CH}_2-$  unit of the hydrocarbon chain. Since the the oxygen lost from the water is heavier than the carbon gained, the mass of the total mixture should be decreased not increased.

This may not be true if the process works like normal cellular processes. Little energy is required to strip a



hydrogen off  $H_2O$  leaving a hydroxide,  $OH^-$ . It takes a lot of energy to strip the second hydrogen off a  $OH^-$  to produce a free oxygen. Many cells simply discard the hydroxide and start out with another  $H_2O$ . If free to react with each other, two  $OH^-$  will react to produce oxygen and water, but since free oxygen would oxidize the hydrocarbon, the plant needs to segregate the  $OH^-$  and the hydrocarbon. The plant dumps the  $OH^-$  into the water beyond the cell or bind it to another ion to produce a long lasting chemical trap for it.

If Ramar Pillai is able to chemically trap the  $OH^-$  with an additive, he can get the hydrocarbon production to maximize without producing the oxygen from the water. Later additions of chemicals to the mix after the oxygen is extracted could liberate the oxygen. But since this is waste water to Ramar, he is not bothering to retrieve the oxygen. If the oxygen is easily retrievable from the waste water we have something that makes fuel from  $CO_2$  and water, while in step two it yields oxygen on demand, potentially reducing the costs of space craft life support systems.

Ramar Pillai's reaction is heat driven so it is not a net energy source. It could convert almost any available heat source into an easy to burn fuel. This is a great break through for India assuming there are few limits to the supply of the key herb. India will need to look at protecting (and farming) the plant as well as the process.

The next key area of work is to overcome the apparently limited shelf life of the plant extract. Mr. Ramar Pillai may have solved that problem already.

I suggest we watch the work for further developments.

---

## LETTER FROM EVAN SOULE

Per your request, I am forwarding the following data obtained by experimenter Jean-Louis Naudin of France who has independently constructed one version of a Newman Motor/Generator:

---

Date: Thu, 9 Jul 1998 07:09:05 EDT  
 Subject: Newman's Machine V1.4 : A COOLING effect has been observed.  
 From: Jean-Louis Naudin

07-09-98 - The entropy changes while the Machine runs, a COOLING effect has been observed...

Today, I have conducted a new test about my Newman's machine V1.4. The purpose of this test is to check some eventual changes in the entropy of the Newman Machine.

I have used a dual probes digital thermometer (resolution 0.1 degrees):

- The first temperature probe has been used as reference for the lab temp (21.5 degrees)

- The second temperature probe has been glued directly on the Newman's coil. I have waited one hour before starting the test for equalizing the temperature (LabTemp = 21.5 degrees, Coil Temp = 21.5 degrees)  
 The test has been conducted during one hour.

Time (min)	Temp (degrees)
00	21.5
05	21.5
10	21.4
15	21.3
20	21.3
25	21.3
30	21.3
35	21.3
40	21.3
45	21.3
50	21.3
55	21.3
60	21.3

The Newman's machine has been stopped after the test (a 60 mn run) and 15 mn after the temperature has been EQUALIZED AGAIN at 21.5 degrees. This confirms the cooling effect observed in spite of the mechanical work generated and the joules' effect dissipated in the coil.

The rotation speed was 286 RPM and the coil voltage used 626 V. The differential voltages I/O measured on the "current control flow bridge" was 32V (Input) and 88V (Output) across the 2uF cap with my new fast HV diodes.

---

Very best regards,  
 Evan Soule'  
 Director of Information  
 NEWMAN ENERGY TECHNOLOGIES CORP.  
 2050 Vineyard Drive  
 Castle Rock, Colorado 80104  
 (303) 814-3403  
 <josephnewman@earthlink.net>  
 P.O. Box 57684, New Orleans, LA 70157-7684  
 (504) 524-3033  
 Websites: <http://www.josephnewman.com>  
<http://www.geocities.com/CapeCanaveral/6087>  
<http://www.angelfire.com/biz/Newman/index.html>  
<http://home.earthlink.net/~josephnewman/>

P.S. I should add --- Joseph Newman has indicated that in the near future he plans to hold a free, public demonstration of his newest Motor/Generator, probably in the Phoenix area.

"I cannot conceive curved lines of force without the conditions of a physical existence in that intermediate space." --- MICHAEL FARADAY

Scientific research frequently entails the fusion of the aesthetic, the creative, and the intellectual.

*Sir John Meurig Thomas*

#### LETTER FROM TOM BEARDEN:

A Proven Cancer Cure and More

Congratulations on your excellent coverage of the new developments in curing cancer in mice. Everyone applauds any advance against this dread disease, and certainly at last some progress is being made.

In France in the 1960s and early 1970s, a scientific team under rigorous scientific protocols demonstrated rather astounding remissions of terminal tumors, cured infectious diseases like severe trypanosomiasis, cured atherosclerosis (clogged arteries), and restored suppressed immune systems. The inventor of the novel EM radiation treatment device was Antoine Priore. Eminent scientists working with him included Robert Courier, Head of the Biology Section of the French Academy of Science, and Raymond Pautrizel, world-renowned parasitologist. The dramatic results were properly reported in the leading French scientific journals.

However, neither Priore, the scientists who worked with him, or anyone else could understand how

radiation of diseased animals with the novel nonionizing radiation used by the team could possibly result in such unparalleled results. A furor arose, and the project -- which had been largely funded by the French government -- was finally canceled when the French government changed to a leftist regime. A glowing report by two French government physicists, praising the dramatic results, was classified and never released. There presently are legal difficulties continuing between the French government, Priore's heirs, and one or more industrial companies that contributed to the project.

After 14 years of intense and agonizing study of the Priore team results and procedures, we finally broke the technical mechanism. Briefly, here is how the cures were accomplished.

In nonlinear optics, one rhythmically squeezes ("pumps") a nonlinear mass with ordinary transverse EM waves. Then one introduces a "signal wave" input to the squeezed mass. Whereupon the pumped mass emits a very strange, time-reversed wave that is an antiwave (phase conjugate replica) of the signal wave. This emitted wave can contain up to all the energy in the "squeeze" waves. The strange time-reversed wave precisely backtracks the spatial path previously taken by our input signal wave, even through tortuous media. A beautiful picture of that process was published by Pepper in Scientific American, Jan. 1986, p. 75.

However, we can make longitudinal EM waves with a little difficulty. If we "squeeze" any piece of mass, either living or inert, with these longitudinal EM waves, a very unusual phenomenon occurs. Now the mass does not emit a time-reversed wave as it did before. Instead, the mass itself is time-reversed back to a previous state.

Now for inert mass, that's not a big deal. It just reverts back to the same thing.

But for a living cell that has been damaged, that is a revolutionary and magnificent thing. Now that living cell, and every internal part of it including its genetics, is time-reversed back to a previous state. With sufficient "squeezing" (pumping) by these longitudinal waves, the cell is returned in little jumps, back to a completely healthy state it had before its damage or infection. Every part of it, including its genetics, is reversed back to normal. That's what the Priore team unwittingly did, and that is also what Becker did when he found that weak DC voltages and incredibly weak currents -- picoamperes -- in a bone fracture zone would change entering red blood cells into more primitive cells (shucking their hemoglobin and growing nuclei), then into the kind of cell that makes cartilage, then into the kind of cell that makes bone. In that

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latter form, the cells were deposited into the fracture, giving new bone growth and healing the cell. Becker was twice nominated for a Nobel Prize for his epochal work. Note that his DC potential was just a bundle of bidirectional EM longitudinal waves. So he was weakly "squeezing" the red blood cells with longitudinal waves, and therefore getting radical changes in the cells themselves.

Think what this cellular reversal, genetics and all, would mean to an AIDS patient. The patient could be treated as soon as he or she tests positive for the HIV virus, with no need to wait for the dreaded debilitation and opportunistic diseases to set in. There are several ways to insure that the longitudinal wave pumping (rhythmic "squeezing") gets to every cell in the body, a simple means is just to imbue them in a pulsed magnetic field -- as Priore did.

So when pumped with longitudinal EM waves, all those HIV-infected cells will just be time-reversed, genetics and all, back to normal cells with normal genetics. The miracle that will occur is that all the HIV-factories remaining in infected cells that defeat the immune system, will be altered right back to normal cells. All those factories are eliminated, and none of the body's cells is killed.

It turns out that the Regenerative and Recovery (R&R) system of the body uses this exact longitudinal EM wave "squeezing" method to restore damaged cells back to normal, within its limitation. Remember, the immune system cannot cure anything; it contains the killers and the scavengers, but cannot restore a single damaged cell, including its own. Regeneration is the function of the R&R system, and it is done with the novel new electrodynamics.

When we time-reverse all the body cells, the cells of the immune system are also restored back to full functioning. Thus an advanced AIDS patient would not only have the HIV factories eliminated, but would also have his suppressed immune system fully restored.

Think of the problem of cancer when it metastasizes throughout the body, or of leukemia of the blood. Now all those "bad cells" can be altered back to normal, without killing them, and without exposing the body to very harsh, destructive methods such as chemotherapy.

I've taken the liberty of previously furnishing you a copy of my letter to Congressman Weldon. We have proposed a "highest priority" DoD effort to develop suitcase-sized, portable units which can provide whole-body treatment using longitudinal EM wave nonionizing radiation and whole-body all-cell pumping. These units, once developed, could be mass produced and flooded down through the emergency response

communities. They could be used to treat the mass casualties we now expect from terrorist BW attacks on our large cities. As the OTA report to Congress in 1993 pointed out, a single terrorist anthrax attack on Washington, D.C. in a light plane, on a calm night, with 100 kilograms of anthrax and spray tanks, could produce from 1 to 3 million casualties. Presently, almost all those casualties would die.

With the proposed unit, perhaps 70% of those stricken Americans could be saved. With second generation units, we believe the figure can be raised to 90% or more.

Best of all, there is no such thing as a "resistant strain" to this approach. For any pathogenic change to a new strain, one just has to tinker with the adjustment of the longitudinal pump wave frequencies and their mix.

In theory there is no cellular disease that this revolutionary new methodology cannot cure, given only that the cells were once normal at some previous time. However, we have also discovered an extension to the process, whereby even a disease where the cells never were normal, can be eventually treated and cured. Essentially this new approach allows the cells to be "steered" in their "time-reversal" to return to any state desired. Applied to inert mass, this methodology should allow one to do essentially what one wishes to with mass. An immediate application would be altering hazardous wastes (such as radioactive contaminants) into harmless elements. We believe that later this can be developed into a real solution to the increasingly tortuous nuclear wastes problem.

We believe this new methodology is a revolution in medicine, of untold benefit to suffering and dying persons worldwide. We have distributed and are distributing detailed information packages widely throughout high levels of the government and the scientific community.

Think of it this way. In modern physics, matter is energy in a different form. If energy in one form (waves) can be time-reversed, then energy in another form (matter) can also be time-reversed. We discovered how to do that, in order to explain what Priore and those French scientists were unwittingly using. And we have already discovered yet another extension to that process.

The result, we believe, is a revolution in medicine that will result in cures not only for cancer, but for AIDS and most other diseases as well.

Sincerely,

T.E. Bearden President

CTEC, Inc.  
 2311 Big Cove Road, Huntsville, AL 35801-1351  
 (256) 533-3682 Phone  
 (256) 536-0411 Fax  
 E-mail: tebearden@aol.com

Dear Tom Bearden,

Two items you should read (if you haven't already) that bear somewhat on the special fields and on curing of disease:

A. Akimov "Heuristic Discussion of the Problem of Finding Long Range Interactions, EGS-Concepts", J. of New Energy, vol 2, no 3/4, Winer 1997.

Panos Pappas, et al, "Effects of Pulsed Magnetic Field Oscillations in Cancer Therapy", Proc. of the Int'l Symp. on New Energy, Denver, CO, April 16-18, 1993.

No electronic device to cure disease will be allowed to treat patients in the United States as long as the drug companies continue to control the FDA. The NIH are also controlled by the same group. Drug-pushers and non-cures are all that will be allowed until great changes are made.

Many thanks for your good works.

Best regards, Hal Fox

## Meetings

### STAIF BREAKTHROUGH PROPULSION PHYSICS SESSIONS

#### CALL FOR PAPERS:

The Breakthrough Propulsion Physics sessions in the **Conference on Applications of Thermophysics in Microgravity and Breakthrough Propulsion Physics**, will be held as part of the Space Technology & Applications International Forum (STAIF-99), January 31 - February 4, 1999, in Albuquerque, NM. The website for more information is <http://www-chne.unm.edu/isnps/isnps.htm>. The abstract contributors should E-Mail or call the author when an abstract is sent so we can be looking for it. Thanks.

Sessions:  
 EMERGING PHYSICS TOWARD  
 PROPELLANTLESS PROPULSION

Alan Holt,  
 Chair, NASA Johnson Space Center,  
 Daniel C. Cole,  
 Co-Chair, IBM Microelectronics

Papers are invited that present theories, experiments, or empirical evidence that describe research directions or specific approaches for the development of a capability to propel a vehicle in transatmospheric, near-earth space and deep space regions, without the use of rockets or beamed power. These capabilities include applications of: (1) fundamental physics of forces and acceleration, addressing enhanced coupling between inertia, gravity, electromagnetism, inertial frames and/or space-time; (2) fundamental physics of motion through space time or the motion of perturbations of space time; and (3) fundamental physics of energy exchange mechanisms. Papers are also invited which (4) describe and compare competing theories or empirical evidence, with special emphasis to their potential for achieving a propulsion breakthrough, and which (5) address the use of microgravity research and technology testbeds associated with the International Space Station, Station-based and other free-flyers and earth-to-orbit vehicles.

EMERGING PHYSICS TOWARD HYPER-FAST

## SPACE TRAVEL

Catherine Asaro,  
Chair, Molecudyne Research  
Claudio Maccone,  
Co-Chair, Alenia Spazio

Papers are invited that present theories, proposed experiments, or empirical evidence that are aimed at addressing how to attain the maximum transit speeds physically achievable. This includes: (1) fundamental physics of forces and acceleration; (2) fundamental physics of motion through spacetime or the motion of perturbations of spacetime; and (3) fundamental physics of energy exchange mechanisms. Papers are also invited which (4) describe and compare competing theories or empirical evidence with special emphasis to their potential for achieving such a propulsion breakthrough.

## EMERGING PHYSICS TOWARD BREAKTHROUGH SPACECRAFT POWER

Dave Goodwin,  
Chair, U. S. Department of Energy, Office of High Energy & Nuclear Physics F.  
Michael Serry,  
Co-Chair, Digital Instruments Inc.

Papers are invited that present theories, proposed experiments, or empirical evidence that are aimed at addressing breakthrough energy production methods to power spacecraft propulsion. This includes fundamental physics of energy exchange mechanisms, and how energy exchange mechanisms might relate to kinetic energy of motion. Papers are also invited which describe and compare competing theories or empirical evidence.

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**"Engineering an International Energy Strategy"**

This conference provides a forum to present and discuss engineering aspects of energy conversion, advanced energy conversion systems and devices, energy utilization and efficiency, environmental issues, and policy impacts on the research, development and implementation of energy systems. Papers dealing with all engineering aspects of the general topical areas below are welcome.

General Chair: Dr. Jerry Beam  
Air Force Research Laboratory  
Ph: 937/255-6226  
Fax: 937/476-4781  
Email: beamje@wl.wpafb.af.mil

Program Chair: Michael G. Schneider  
Sundstrand Corporation  
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Institute of Electrical and Electronics Engineers (IEEE)

[From: <http://www.sae.org/CALENDAR/iec99cfp.html>]

## Commercial Column

The following companies (listed alphabetically) are commercializing cold fusion or other enhanced energy devices: [Listings with your additional copy, or boxed, for small annual service fee.]

**COMPANY: PRODUCT**

**American Pure Fusion Engineering and Supply:**  
Warren Cooley, 1-800-789-7109 or 503-585-6746.  
Email to: Coolwar@aol.com

**Clustron Sciences Corp.:** Contact: Ron Brightsen,  
703-845-8531.

**E-Quest Sciences:** Contact Russ George,  
FAX 415-851-8489.

**German Association for Vacuum Field Energy:** DVS-Secretariat, Feyermuehler Str. 12, D-53894 Merchernich, Germany. Tel: 011-49/(0)2443-8246 Fax: 011-49/(0) 2443-901880 E-mail: dvs@gptec.com Internet: www.gptec.com/dvs.

**ENECO:** is in the business of commercializing the exciting new field of low energy induced nuclear reactions in solids via patent licensing, joint-ventures, and co-operative research. ENECO, University of Utah Research Park, 391-B Chipeta Way, Salt Lake City, Utah 84108 USA. Contact Fred Jaeger, Voice 801-583-2000, Fax 801-583-6245. Email: jaeger@ENECO-USA.com

**Fusion Information Center (FIC):** Research and development of new energy systems. The world's most complete resource repository for cold fusion research information, as well as other new energy research including zero-point energy; space energy research; electronic, electromagnetic, and mechanical over unity devices and transmutation. We are the publishers for *New Energy News*, and the *Journal of New Energy*. 3084 E. 3300 South, Salt Lake City, UT 84109. Voice 801-583-6232, Fax 801-583-2963. Contact Hal Fox.

**Holotec AG:** Clean Energy Technology, contact André Waser, Gen. Mgr., Bireggstrasse 14, CH-6003, Luzern, Switzerland. Phone 011 41-41 360 4485, or Fax 011 41-41 360 4486.

**Hydro Dynamics, Inc.:** Rome, Georgia. Contact James Griggs, Voice 706-234-4111 Fax 706-234-0702.

**JET Energy Technology, Inc.:** Weston, MA. Contact Dr. Mitchell Swartz, Voice 617-237-3625. Fax 617-237-3625.

**Labofex, Experimental and Applied Plasma Physics:** Ontario, Canada. Contact Dr. Paulo N. Correa. Tel 905-660-1040 Fax 905-738-8427

**Magnetic Power Inc.:** Sebastopol, CA. Contact Mark Goldes, voice 707-829-9391, Fax 707-829-1002.

**Nova Resources Group, Inc.:** Denver, CO. Call Chip Ransford, Phone 303-433-5582.

**Trenergy, Inc.,** has acquired rights to develop and produce a new-type of thermal power based on the controlled production of clean nuclear reactions from plasma injected transmutation. Contact at 3084 E. 3300 South, Salt Lake City, UT 84109, Voice 801-583-6232, Fax 801-583-2963.

**UV Enhanced Ultrasound:** Hong Kong. FAX 852-2338-3057.

**"YUSMAR"- Scientific-Commercial Company:** President: Dr. Yuri S. Potapov, 277012 Kishinev, Moldova. Phone and Fax 011-3732-233318.

**Zenergy Corp.:** Founded in 1996 to facilitate the introduction of commercially viable energy alternatives. 390 South Robins Way, Chandler, AZ 85225. Contact Reed Huish, 602-814-7865, Fax 602-821-0967, e-mail: info@zenergy.com

Note: The Fusion Information Center has been acting as an information source to many of these companies. We expect to augment our international service to provide contacts, information, and business opportunities to companies considering an entry into the enhanced energy market.

## INFORMATION SOURCES

Academy for New Energy (ANE) 216 Commerce Drive, Ste. 4, Fort Collins, CO 80524. Tel. 970-482-3731  
*ANE Newsletter*, quarterly publication of ANE, edited by Robert Emmerich.

*Advanced Energy Network Newsletter*, quarterly. Advanced Energy Network, P.O. Box 691, Rondebosch 7700 Capetown, Rep. South Africa.

*Antigravity News and Space Drive Technology*, bimonthly newsletter, pub. J.E.Cox Enterprise, P.O. Box 655, Marietta, GA 30061-655 (Phone 770-218-9693). Per year \$36. U.S., \$48 foreign.

*Cold Fusion Times*, quarterly newsletter published by Dr. Mitchell Swartz, P.O. Box 81135, Wellesley Hills MA 02181.  
Home Page: <http://world.std.com/~mica/cft.html>

*Cycles*, a R&D newsletter, published by Dieter Soegemeier, Editor, GPO Box 269, Brisbane, QLD.4001, Australia.  
Phone/Fax: +61 (0)7 3809 3257.

*Electric Spacecraft Journal*, quarterly, edited by Charles A. Yost, 73 Sunlight Drive, Leicester, NC 28748.

*Electrifying Times*, 3/year magazine. 63600 Deschutes Market Rd, Bend, OR 97701  
541-388-1908, Fax 541-388-2750,  
E-mail <etimes@teleport.com>  
[www.teleport.com/~etimes/](http://www.teleport.com/~etimes/)

*Elemental Energy*, monthly newsletter, edited by Wayne Green, 70 Route 202N, Petersborough, NH 03458. Email: <design37@aol.com>

**Fusion Facts** has become a section in the *Journal of New Energy*.

*Fusion Technology*, Journal of the American Nuclear Society, edited by Dr. George Miley, 555 N. Kensington Ave., La Grange Park, IL 60525.

*Future Technology Intelligence Report*, monthly newsletter, making available technological information now omitted from establishment media. Back issues available at substantially lower cost on the InterNet at <[www.tarapublishing.com](http://www.tarapublishing.com)> FTIR, P.O. Box 423652, San Francisco, CA 94142-3652.

*Infinite Energy*, bi-monthly magazine. P.O. Box 2816, Concord, NH 03302-2816. Voice: 603-228-4516. Fax: 603-224-5975; E-mail [76570.2270@compuserve.com](mailto:76570.2270@compuserve.com)

**Institute for New Energy (INE)**, organization to promote and help find funding for new energy research.

Visit our **Home Page**: [www.padrak.com/ine/](http://www.padrak.com/ine/) which contains many important scientific papers and current reports on all areas of research.

E-mail: [halfox@slkc.uswest.net](mailto:halfox@slkc.uswest.net)  
or [ine@padrak.com](mailto:ine@padrak.com)

3084 E. 3300 South, Salt Lake City, UT 84109  
Voice 801-583-6232, Fax 801-583-2963.

**New Energy News** monthly newsletter for INE, highlighting the research and development in the worldwide new energy arena. Edited by Hal Fox.

**Journal of New Energy**, quarterly, presenting papers representing the new areas of energy research, leading-edge ideas in the development of new energy technology, and the theories behind them. Published by the Fusion Information Center, Inc. Editor: Hal Fox. Address & phone above.

*A.Keith Brewer International Science Library*, a non-profit organization having a Tesla collection; new energy books, publications and videos; one of the German Association of Vacuum Field Energy archives. 325 N. Central Ave., Richland Center, WI 53581; Phone: 608-647-6513; FAX: 608-647-6797; e-mail: [drbrewer@mwt.net](mailto:drbrewer@mwt.net); web site: [www.mwt.net/~drbrewer](http://www.mwt.net/~drbrewer).

KeelyNet BBS - Jerry Decker, 214-324-3501  
Internet: [www.keelynet.com](http://www.keelynet.com)  
E-mail: [jdecker@keelynet.com](mailto:jdecker@keelynet.com)

*Planetary Association for Clean Energy Newsletter*, quarterly, edited by Dr. Andrew Michrowski. 100 Bronson Ave, # 1001, Ottawa, Ontario K1R 6G8, Canada. Web page: <http://energie.keng.de/~pace>

*Positive News and Living Lightly*, quarterly, edited by S. Crockett-Burrows. The Six Bells, Bishops Castle, Shropshire SY9 5AA UK. Tel: (01588) 630-121 / 122

*Space Energy Journal*, quarterly, edited by Jim Kettner & Don Kelly, P.O. Box 1136, Clearwater, FL 34617-1136.

The above list of commercial and information sources will be growing. New listings will be added as information is received. Send information to *NEN*, 3084 E. 3300 South, Salt Lake City, UT 84109.

Authors, scientists, writers, inventors, entrepreneurs, consultants, economists, futurists – you are invited to submit manuscripts for consideration for publication in

### **COLD FUSION TIMES**

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[mica@world.std.com](mailto:mica@world.std.com)

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