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ITEMS FOR NEN

If you find new-energy items that you believe others would like to read, send them by mail or email to us and we will give credit to the first person that sends in any particular item. Your help will make NEN a better source of new-energy information.

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ABSTRACTS

Hiroshi Yamada, Kazuyoshi Uchiyama, Nobuhiko Kawata, Yoshiyuki Kurisawa, and Mitsuru Nakamura (Iwate University, Fac. of Engineering, Morioka Japan), “Producing a Radioactive Source in a Deuterated Palladium Electrode under Direct-Current Glow Discharge,” *Fusion Technol.*, Vol. 39, no 7, Mar. 2001, pp. 253-258, 19 refs., 6 figs, 4 tables.

Anomalous gamma emission was rarely observed during direct-current glow discharge in 3 Torr of deuterium gas using a deuterated palladium foil cathode. Autoradiography after the discharge experiment showed that isotopes with low- and high-energy radiation components were produced before or during the discharge. The palladium foil after the anomalous gamma – ray emission was analyzed by secondary ion mass spectroscopy, which revealed a considerable increase in the content of iron and copper on the surface.

Fulvio Frisone (University of Catania, Department of Physics Corso Italia 57, 95129 Catania CSFNSM, Catania, Italy), “Deuteron Interaction within a Microcrack in a Lattice at Room temperature,“ *Fusion Technol.*, vol. 39, no 2, March 2001, pp. 260-265, 7 refs, 1 fig, 2 tables.

The aim of this research was to analyze the reaction of deuteron fusion, catalyzed by the plasmons in lattices with a cubic structure, to varying the temperature. The probability of fusion in pure and impure palladium metal is calculated using a hypothesis that suggests a kind of chain reaction within the crystalline lattice. As a consequence of the enhanced tunneling effect due to increasing the temperature and the concentration of impurities, this chain reaction would be favored by microcracks formed in the structure as a result of lattice deformation. This paper interprets the results obtained, considering the trend of the potential that describes the effective interaction between deuterons within the metal. In effect, the coupling of plasmons and deuterons, in the presence of impurities, can not only reduce the thickness but also lower the height of the Coulomb barrier K .

BIODIESEL REVOLUTION BEGINS IN S.F. - FIRST RETAIL OUTLET FOR VEGETABLE FUEL OPENS

Submitted by Patrick Bailey

Reference: Jane Kay, Chronicle Environment Writer

<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2001/05/23/MN110637.DTL>

San Francisco -- The nation's first retail gas station to sell vegetable fuel for diesel cars and trucks opens for business today in San Francisco.

Called biodiesel, and famed for smelling like popcorn or French fries when it burns, the fuel offers an alternative to smelly, polluting diesel fuel. Proponents say it holds the promise of running the nation's generators, truck fleets and even trains and ferries.

Drivers of diesel cars and trucks will be able to buy biodiesel made from soybean oil, a byproduct of food processing for \$3.15 a gallon at the Olympian station on Third and 23rd streets.

Distributors say they picked San Francisco for the U.S. premiere because of its reputation as a city friendly to the environment. "We think it has an enormous potential here," said Tom Burke, a division manager for Olympian.

GERMANY, UTILITIES SIGN PHASE OUT PACT ON NUCLEAR POWER

Submitted by Hal Fox

Reference: The Wall Street Journal, June 12.2001

Antinuclear activists and pro-nuclear politicians both protested against a deal signed by the German government and utilities to shut down the country's 19 nuclear – power plants. Hailed by supporters as a historic shift of energy policy in Europe's biggest economy, the process in fact could take decades to complete. German Chancellor Gerald Schroeder and executives of four major power companies signed the deal in Berlin. Both sides approved the nuclear phase out a year ago, but they needed time to negotiate details that would lead to legislation in the German parliament. The last of the power companies, E. ON, approved the deal on Sunday. The three other companies are RWE, Energie Baden Wuerttemberg and Hamburg utility HEW.

The accord says the nuclear plants should have a standard life span of 32 years, which would see Germany's newest nuclear plant shutting down in 2021. The first of the plants at Stade in Northern Germany is to close in 2003.

ARTICLES

UFO BELIEVERS SIGHTED HERE!

By Joel Achenbach

Courtesy of the Washington Post

<http://www.washingtonpost.com>

To view the entire article, go to

<http://www.washingtonpost.com/wp-dyn/articles/A6968-2001May9.html>

I am happy that I personally met these eyewitnesses to free Energy and antigravity during the two days of meetings following the Press Conference.

A group of people who believe in UFOs held a news conference yesterday morning that established beyond the shadow of a doubt -- that reached levels of credibility so high as to constitute actual proof -- that there really do exist people who believe in UFOs.

This was the big day for the Disclosure Project, an attempt to incite the government to admit that creatures from another world pilot unidentified flying objects. The organizer, Steven Greer, a Charlottesville emergency room physician, announced that this was a moment of historic, indeed planetary, significance:

"This is the end of the childhood of the human race. It is time for us to become mature adults among the cosmic civilizations that are out there."

He arranged an impressive venue, the main ballroom of the National Press Club. Upward of a hundred people were there, along with more than a dozen TV cameras. At a long table up front sat 20 witnesses, most of them gray-haired men who'd served in the military.

As they took turns at the microphone, it quickly became apparent that this

was a rather old-fashioned event -- a return to the fundamentals of ufology, the discussion of aerial anomalies. At one point a witness flashed two black-and-white photos of a saucer-shaped craft. The tales were set, for the most part, in the '40s, '50s and '60s; there was no talk of alien abductions, or an alien-human hybridization program, or the implantation of alien fetuses, or any of those extremely intimate Close Encounters that have dominated the UFO mythology in recent years.

These guys were from the hardware wing of the movement. They'd seen things in the sky they couldn't explain and that suggested, to their minds, extraterrestrial visitors. They'd seen objects. Lights. Radar blips moving at extraordinary speed. What they didn't see, in almost every case, were any actual aliens.

Only one witness, Clifford Stone, a retired Army sergeant, told of having directly seen aliens! . He'd seen them both dead and alive at the scenes of crashed saucers. Asked if he could describe their appearance, he said, "I could, but it would probably take a whole lot of time." He did stipulate that there are 57 alien species, including three types of "grays." Many aliens are humanoid, and, indeed, are indistinguishable from members of our own species. Some can touch an object in a dark room and tell its color.

There were a few other unverified bombshells. One speaker claimed that George Bush the elder, when director of the Central Intelligence Agency, refused to give newly inaugurated President Carter the top-secret files on UFOs. Greer, meanwhile, assured the audience that the military has already developed spacecraft that can travel faster than the speed of light.

The Disclosure Project is part of a long -- and so far unsuccessful -- effort to incite congressional hearings on the UFO issue. Greer says he has conducted interviews with 400 people with intimate knowledge of the alien phenomenon and the government "cover-up." Many, he claimed, are afraid to come forward without congressional immunity.

"We know lethal force has been used to keep this secret," he said.

There was nothing presented at the news conference that could be considered forensic evidence. Instead, the audience heard what is known as the Argument from Authority. The evidence on the table was essentially in the form of resumes. The witnesses vouched for their credibility and said they'd like to tell their stories to Congress. Maybe that's not as impressive as someone coming forward with an actual alien tentacle, but you have to start somewhere.

If nothing else, this was an interesting glimpse of the corrosive side

effects of government secrecy. The witnesses have been burdened by suspicion for decades. Some said they were told by superiors to stay silent about what they'd seen.

"Such things do exist. Please believe me," said retired Air Force Lt. Col. Charles L. Brown, who once analyzed UFO sightings and saw, just two years ago, "two inexplicable objects."

Graham Bethune, a retired Navy pilot, told of seeing a glow near Iceland that turned into a circle of lights with a dome. This was 1951. He's ready to testify under oath.

Robert Salas, a retired Air Force captain, said a "bright, glowing red object" hovered outside the gate of a nuclear weapons site in Montana in 1967. The weapons suddenly went into a "no go" condition. Did the aliens disable them?

The UFO narrative has innumerable subplots, some of which emerged yesterday. There are people who believe that the Bush administration wants to build a missile defense shield as part of its covert war with the aliens. There is a rumor that Big Oil wants to suppress knowledge of a secret, stunning energy source that can be harvested from the quantum soup all around us. If we know the truth about the aliens, our energy crisis will be solved. "It will cause such vast and profound changes on this planet that there is nothing to equal it in human history," Greer said.

Who's running this cover-up? Greer said that's a complex matter. He said there are compartmentalized elements of a secret government operation in multiple intelligence and defense agencies and throughout corporate America.

The bad guys are everywhere.
We live in a world of lies.

(Are you sure the Apollo astronauts really went to the moon, and not just to a Hollywood back lot?)

Scientists who work on "exobiology" endure the stigma of being experts in a field with no known subject matter. They'd be thrilled beyond words to find a tiny fragment of alien life. They'd like to know if extraterrestrial life is carbon-based, if it uses oxygen in its metabolism, if it stores genetic information in the form of the DNA molecule. They'd like to know the evolutionary history of an alien biosphere, so they could compare it to the history of life on Earth. Now we hear that all the scientists need to do is start poking around in government freezers.

When the news conference was over, rational observers were faced with

two scenarios:

Scenario 1

Intelligent creatures have piloted spaceships across trillions of miles to visit our planet. They have the ability to elude detection by scientific investigators and mainstream news organizations, but have also been seen by thousands of people.

Secret forces within our government have masterfully covered up the alien presence for half a century, although sometimes the cover-up is imperfect, which is why, at Safe way, you can buy Chef Boy-ar-dee Flying Saucers & Aliens canned pasta. People like Steven Greer, the crusading emergency room physician, have seen through the lies and are going to help us enter the era of cosmic brotherhood.

Scenario 2

Some people believe in things that aren't true.

ESSAY ON "FORCE"

By Bert Schreiber

Bellaire, TX

PART 1

As to the word "Force" it is just a word (human concept) and has no specific dimensions affixed to it. What dimensions are **added** to it and its applications (effect) depends on its applied meanings. Simply, say, the Force that is pressure is given the dimensions of gm/cm^2 , or in electricity it is called "voltage", or might be the static Force that is a pound or gram, etc. The Force effect to accelerate a Mass gives $\text{gm}\cdot\text{cm}\cdot\text{sec}^{-2}$. Therefore, exactly what the word as used is, must be *defined* for that particular usage and said dimension(s) *arbitrarily inserted* on both sides of the equation

Scientists being confused, sometimes equated one Force against another when they had no relation to one another whatsoever. The Force of "voltage" is not = Centripetal Force or = to atmospheric pressure (Force exerted on whatever). The Force exerted by Charges can be equated against the Centrifugal Force (effect) or Charge effect against Gravity effect, etc.

This is further discussed and clarified in the appropriate places in the main text, especially the semantic (distinction between) meaning of Force and effect that are two different things.

A Force is always the result of the Field effect so they are actually non-separable. However, if one is actually talking about some Field (pure speculation), it is proper.

PART 2 FIELDS

I am indebted to Georg Duve of Hamburg, Germany for bringing back to my attention the affect of a rotating beam of light. A rotating beam of light at some Length away from the source will result in the apparent intercept by one point to the point of intercept further away on the arc, that the apparent time between interceptions is greater than the speed of light **as if** between the two points in question. This is obvious and has nothing to do with relativistic effects. Furthermore, the light does not bend its path through space just because the source is rotating. The rays go out in straight lines. As a result, I realized that I needed to insert this discussion on Fields. What follows is pure speculation and may or may not be the correct logical end results. The Field of Gravity is covered in later chapters so will not be discussed here. That leaves the Electric and Magnetic Fields. The Electric Field will be first.

Consider a charged belt moving with a second charged body some Length away. Does the moving of the belt cause the (Electric understood) Field to move and have any affect on the second body? I do not believe that it will. Simply, a moving linear source does not induce a charge on a second body nor does it generate or create any radiation.

Now consider the first charged body to be a rotating spheres with Charges on its surface and what will be its affect? The lines of Force will “obviously” move in a rotating sweep. The question is, does this sweep act exactly as the rotating light beam or does the Field eventually start bending at some Length away, i.e., result in a spiral apparent or real path? To reduce this, does rotating an electron cause the Field to rotate as if fixed to the surface or does the Field remain fixed to absolute space? i.e., originates at the “center” of the electron? These possibilities were resolved by forgetting all of the possibilities and the “obvious” and concentrating on what will give all of these effects and resulting affects.

The answer was that the Field goes out in spherical wave fronts. How is not for here. This immediately solved the problems. First we must remember that the lines of Force were a measured or detected entity. The affects are at right angles that would be **on a (one single) line** perpendicular to the wave front originating as if at the center of the source to the second body’s center (vice versa understood) and that solved that. The *affect lines* themselves do not exist nor are there many of them radiating from the source.

This affect is the linear Force and would follow perfectly the inverse square law for the strength of the Force.

That then leaves the Magnetic Field (understood) to be resolved. Here is discussed only the fundamental bar magnet. The source is not a “point” source but has two sources some Length apart with the “Field lines” as normally associated with it. There are three Fields. One goes out from the central pole point on each end and one goes out-in from each

pole to the other. The lines as viewed (apparent) then repel and attract (the centerlines) giving the observed affect.

When the magnet is moved through a coil of wire a current is induced in the coil as it is the Field that is moving cutting across the wires, but again, the affect is at right angles. When the whole magnet is simply rotated about its vertical axis, nothing changes. When the coil is moved (vertically assumed) nothing happens. This has resulted in many theories trying to prove why this equal does not have an opposite. Simple solution: The wires of the coil are moving across the fixed fields (relative to the laboratory frame of reference) so nothing will happen. And that solves all of the identical problems and likewise results in the inverse square law for magnetism etc.

The end result is: A fixed Field will not cause any affect. The Field itself must move to cause an affect if such is permissible. The lines of Force have no real existence, as they are nothing more than the measured/detected connecting linkage between two bodies. Their **cross-sectional** overall shapes will be that as known and visually shown from past experiments.

Further minutiae will not be given. Just keep this part in mind when reading the appropriate chapters.

PART 3

So there will be confusion on a rotating body as far as the Field affect goes, a further discussion will be given. Light leaving a rotating mass will undergo the Doppler Effect based on the cosine function. Perpendicular no effect to the maximum when leaving at a tangent to the Mass. But, what about from a charged particle? Where the Mass itself (here consider a sphere) is itself rotating and oscillating by shrinking and expanding will not give the Doppler Effect.

Consider this Thought Experiment though it could be done in a laboratory. A sphere or a spherical shell is suspended in air. It will be set into the aforesaid oscillation producing sound waves of a spherical wave front in nature. There will be no Doppler Effect. Now let the sphere be rotating and oscillating with no other movement. The spherical wave front **will not have** the Doppler Effect at any rotational speed. Each point of production of the sound will act *as if* it is at a point of Absolute Rest to space.

This effect will be named after Dr. Donald J. Nash of Boulder, Colorado as the Nash Effect. It was named for him due to his efforts in permitting the dissidents to present their views at the proceedings of the Southwestern and Rocky Mountain Region (SWARM) of the American Association for the Advancement of Science (AAAS).

This Nash Effect might have a possible application to the production of radiation from the charged particles and/or give some clues as to what an electron might be like.

SCIENTISTS MAKE LIQUID WATER INTO A BALL

Submitted by Patirck Bailey, Emerald Hill, CA

Reference: http://www.ananova.com/news/story/sm_333651.html

Note from the Editor

[This is not energy related now, but it may be soon!]

French scientists have made liquid marbles which roll over a solid surface without making it wet.

They have found a water-repellent powder, which can coat a tiny droplet turning it into an almost frictionless ball.

The 'dry droplets' behave as if they are made from soft rubber and can even float on water.

Pascale Aussillous and David Quere at the College De France in Paris designed them.

When their powder is mixed with water it tries to escape by rising to the surface and so coats the tiny droplets completely.

The coating gives the liquid a barrier, which prevents it from sticking to other solid surfaces.

Microchip-sized laboratories designed to carry out medical may one-day use the liquid marble technology or environmental monitoring reports Nature.

59% OF PEOPLE IN CA NOW FAVOR NUCLEAR POWER!

Submitted by Patrick Bailey

Reference: Orange County Register, The Associated Press

<http://www.ocregister.com/business/features/2000/power>

POLL: 59% IN STATE FAVOR NUCLEAR POWER

It's a reversal of views since the Three Mile Island accident.

Fifty-nine percent of Californians now support building more nuclear plants, according to a poll released Wednesday.

The last time the Field Institute polled Californians about nuclear energy was 1984 - five years after the accident at Three Mile Island in Pennsylvania - and it found 61 percent opposed to nuclear power.

"In my interpretation, the current energy crisis has some bearing on the public's changed attitudes on nuclear power," said Mark DiCamillo, spokesman for the nonpartisan polling organization. "The public is searching for clean ways to add to the capacity."

The Field poll comes as the Bush administration pushes for a renewed look at nuclear power. No utilities have ordered any new nuclear power plants in the United States since 1978.

The poll of 1,015 California adults was taken May 11-20. The margin of error was plus or minus 3.2 percent.

Carl Zichella, the Sierra Club's regional staff director, said Californians have not thought about nuclear energy for about 20 years and do not have as much information as they did around Three Mile Island.

"I think this number really reflects a lack of knowledge on the part of the public about the problems that drove nuclear power underground," he said. "The more people know about nuclear power, the less they're going to like it."

Getting a new nuclear plant built faces two major problems: financing and siting, said Rich Ferguson, research director for the Sacramento- based Center for Energy Efficiency and Renewable Technology.

"We have just not seen any interest in the financial community to invest the billions of dollars," he said.

LETTERS

Hello,

I would like to inquire, if following described experiment is known or not.
Can anybody help me in this matter?
The beginning of a "New World Formula"?

I would like to present this experiment, which shows the interaction between a rotating massive-disc and the force of gravity. With a centrifuge, a fast rotating massive disc with approx. 60.000 rpm, there is a hole through the center, closed in a vacuum chamber in which it can rotate without air resistance. From above a test tube is placed in the center of the disc, through an airtight thick perspex lid, in which a lead weight is tied with a cord to a beam scale in order to prove an effect in the center of this massive disc.

This experiment shows the higher the rotation, the more the lead weight rises. Also an electric-magnetic field increases around the disc.

Can a rotating massive disc influence gravity?

If we can determine a mass through its inertia and the other way round, could this mean that they are both equivalent?

The theories and studies about this effect are not so clear. Einstein with his book "Main feature of the General Theory of Relativity" described this effect. At German universities I found a dissertation with the title "Is the centrifugal force of gravitational origin" where a great number of scientists describe this effect, in which is explained that this gravity effect is experimentally perceptible and is described as generally too weak for worldly or astronomical use. Other scientist says it's not possible. That is the momentary scientific point of view. Which however, is not in agreement with this experiment.

After five years of experimenting, I have found out that this force reacts on any type of material proportional to its mass. How and where this force can be combined with today's science, I can only attempt to describe. The entire physics can be put down to four elementary strengths between the elements of the physical world.

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MEETINGS

INE SYMPOSIUM 2001 MEETING SCHEDULE

This year our conference will be held September 7-8, 2001
It will again be held at Quality Inn, Salt Lake City, UT. Details will be published in a subsequent issue.

For more information: Tel: (801) 466-8680
Email: halfax@qwest.net or ine@padrak.com

THE NINTH INTERNATIONAL CONFERENCE ON COLD FUSION

**International Convention Center, Tsinghua University,
Beijing, CHINA**

May 19-24, 2002

Dear Colleagues and Friends,

I am glad to make the first announcement for ICCF-9.
We have the WebSite and e-mail address now for The Ninth International Conference on Cold Fusion. That is:

<http://iccf9.global.tsinghua.edu.cn>

And the e-mail address:

iccf9@tsinghua.edu.cn

Your early suggestions and comments would help us to make a better arrangement for ICCF-9.
We are looking forward to seeing your early reply (Pre-registration!).
Sincerely yours,

Li, Xing Zhong

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Dear Colleges,

The 9th Russian Conference on Cold Nuclear Transmutation (RCCNT-9) is to be held during September 30 – October 7, 2001. The place of the Conference is in Dagomys near the city of Sochi that is the best recreation and holiday place on the Black Sea shore of Russia.

The program of the Conference includes the following subjects:

- Experimental research in cold fusion, transmutation and ball lightning;
- Theoretical models with respect to cold fusion effects;
- Applied technologies and devices.

The organizing Committee of the Conference is pleased to invite you to attend the Conference.

The terms of your participation are as follows:

The full cost is \$900 which will include the registration fee, hotel reservation and living, three daily buffet meals, conference proceedings, transportation from the Sochi airport and back, social dinner and special excursion or entertainment.

The languages of the Conference are Russian and English.

The total cost can be reduced down to \$800 if transferred before August 10 to the account of the Organizing Committee shown below:

Intermediary: Sabrrumm 100 Saving Bank of the Russian Federation
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The correspondence banks of the Moscow Saving Bank of Russian Federation in your country you will find attached.

If you make a decision to take part in the Conference please let us know before July 20 about the title and abstract of your report.

Contact telephone: (7)(095) 196-7117

(Ask Mr. Igor Goryachev)

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Address: 123182, Moscow, Russia, 1 Kurchatov Sq., I Goryachev 105077,
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**International Scientists' Club
Russian Geographical Society
St.- Petersburg Physical Society**

Preliminary information

In conformity with solution of Congress-2000 "Fundamental Problems of Natural Sciences and Engineering", St.- Petersburg, Russia, 2000, Organising Committee proceeds with tradition of scientists meetings devoted to non-traditional approaches to solution of fundamental problems in universe cognition and informs of the plans to carry out the next Congress in turn "Fundamental Problems of Natural Sciences and Engineering" , St.- Petersburg , Russia , July-2002. New scientific and constructive engineering solutions of modern problems in different spheres of natural science are supposed to be discussed.

Organising Committee believes it is high time for investigations devoted to new and more profound reunderstanding of the initial basis of natural sciences. The Congress motto is: "From investigation to knowledge cognition".

The following sections are planned

1. From natural phenomenon to philosophical cognition.
2. Time and space in genuine universe.
3. Etherdynamics.
4. Electrodynamics and gravity.
5. Energy, engineering and technology in the new millennium
6. Conceptions, laws and information.
7. Earth, solar system, universe.

Poster and discussion sessions are planned. Plenary sessions will be dedicated to short reports on fundamental results and summary information about discussion at sections and poster sessions.

Organising Committee takes into account the success of the Catharsis conference, which took place in Congress-200 framework and plans to organise Catharsis conference "Science on the threshold of the millennium" in 2002. Congress working languages are Russian and English. Simultaneous translation will be provided. Special meetings and reports are supposed to be videotaped and included into Congress publications.

Excursions over St. Petersburg will be organised.

Detailed information will be sent in October-November 2001 on your request.

Chairman of the Congress "Fundamental Problems of Natural Sciences and Engineering", St. Petersburg 2002

A. P. Smirnov

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You will be alerted when AEI's revolutionary new book, "Turning the Corner: Energy Solutions for the 21st Century" is published this summer.

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