Speech presented the evening of 23 July, 1994 at the International Tesla Society Convention at Colorado Springs, Colorado

> DONALD L. SMITH ENERGY CONSULTANT 8110 BENT OAK LANE SPRING, TEXAS 77379

ELECTRICAL ENERGY REFERENCE POINTS
Electrical Energy Generating System
Patent Pending # 08/100,074, 2/4/92

The word "electric" comes from the Latin word electron "amber". When rubbed, amber develops an electrical charge, which can be transfered to a dissimilar substance. During the seventeenth and eighteenth centuries, a great deal of attention was centered on this attribute of amber. Amber was used to different the none-metals. Carbon-related substances and other none-metals, when subjected to friction, give up negative electrical charges. On the other hand, metals when subjected to friction, simply conduct the charge. It is important to note that approximately 70% of the Earth's exposed crustal portions (surface) consist of silicone related none-metals (electron doners) and therefore becomes a direct source of electrical energy when properly agitated.

Useful electrical energy is obtained by grounding into the Earth's none-metal crust and into it's atmosphere as a natural source of electrons. These electrons have accumulated from the solar plasma during the aging of the Earth for more than 4.5 billion years, at a rate exceeding 3.9 exajoules per year. This indicates that the Earth's electrical field contains in excess of 17.6 X 10 to the 18 th power of cumulative exajoules of energy. One Exajoule is the approximate energy equivalent of 125 million barrels of oil. The electrical energy in one display of lightning is approximately ten trillion joules. Each 24 hours, the land portions of the Earth's surface yields in excess of 200,000 emissions, which involves more than 2,000 quadrillion watt seconds of active energy on display.

ELECTRICAL ENERGY REFERENCE POINTS (Continued)

This physical phenomenon indicates the Earth's crust is an unending source of electrical energy. The surface area involved is a very small portion of the Earth's crust.

J.C. Maxwell (1891) suggested an active electron field gives rise to an associated magnetic field. Therefore, both are present with pulsating current. Early studies, involving observation of compass needles by microscopy, revealed that the needle vibrates as with alternating current. More recent studies by A. Nishida and others, confirm alternating current is common in the Earth's crust.

C.F. Gauss (1777-1855) and H.C. Oersted (1777-1851), both were separately trying to define the Earth's electrical field with external influences removed. These external influences being solar quite periods and being remote from the land's surface. The air electricity background which which they measured varies with latitude. Their European measurements correspod to approximately the latitude of Wasington, D.C. They were measuring magnetic field flux as an indicator of negative electron energy active and present.

A related family of measurement is now presented. Units of measure used to define flux fields include Gauss (one unit = 100,000 volts), Oersted (one unit = 50,000 volts), Tesla (one unit = 10,000 Gauss) and Gamma (one unit = 1/10,000 th of a Gauss). Much confusion exist in electrical related publications about these units. As presented here they are correct with values taken from their original definitions.

The entire surface of the Earth has been surveyed by aerial magnetometer, in most cases using gamma or nano testas. One gamma is the magnetic flux equivalent of 10 active volts of electricity. When this data is corrected for fleight height it becomes obvious that there are numerous areas where the gamma readings exceed one trillion gammas. Lightning strikes from the ground up are in that energy range. With knowledge of these electron enriched areas, the quality of Earth grounding, becomes enhanced.

ELECTRICAL ENERGY REFERENCE POINTS (Continued)
The correction necessary for land surface data when acquired from aerial magnetometer maps (using the inverse square law) requires that the remote distance be squared and then multiplied times the remote reading. As an example, the reading is 1,600 gammas and the flight height being 1,000 feet. Take 1,000 X 1,000 = 1,000,000 X 1,600 gammas = 1.6 trillion gammas X 10 volts = 16 trillion volts equivalent for land surface data.

INSERT AND DISCUSS, Aerial Magnetometer Map GP-948 East-Central United States

Present day methodology requires mechanical energy in exchange for electrical energy. Any required amount of electricity is available by resonate induction transfer from the Earth's magnetic and electrical fields. Each cycling of this resonate induction system pulls in additional electrons, generating energy in any required amount. A small amount of electrical energy is used to activate and pull into the system a much larger amount of energy.

ENERGY VERSES MASS INSERT AND DISCUSS ELECTRICAL ENERGY

Steady State
Static "Pre-Energy "
Mass attracts Mass, Gravity
Dominates

Unsteady State Kinetic "Energy" Expanding, Magnetic Energy Dominates

Electrons moving apart
Pressure decreasing
Cooling effect dominates
Less scattering of Energy
Negative resistance

Contraction, Electrical Energy Dominates

> Electrons moving together Pressure increasing Heating effect dominates Scattering of Energy Positive resistance

Functions of active Electrons

Electrons become active when placed inside the critical distance allowed by their negativity.

Active Electrons provide:

- Electricity
- Magnetics
- 3. Gravitational thrust as in Electric Motors
- 4. The source of Visible Light
- It's charge is Negative

They move in a closed loop as seen in the loon for infinity, not in a circle as shown in many books.

One half of the loop consist of a magnetic impulse and the return half consist of the electrical impulse. This is seen as the classic sine wave of alternating electrical energy.

A flash of light occures when two electrons suddenly find they are too close to gather. Daylight results from the impengement of Electrons in the Earth's atmosphere with the Electrons of the Solar Plasma.

My Concept of the Forces of Nature differs from the conventional. It consist of a weak and a strong force, each being additionally composed of electrical, magnetic and gravitational (fields & waves). Any two of the three constitute the third member. Gravity "B" of the weak force competes with humans on a daily basis. Gravity "A" of the strong force is the force that holds the Solar System and the Universe in place. Energy from the Electrons represent the weak force. Energy inside the Atom represents the strong force "A". Controlled resonate induction of any two of the three, changes into the third and is the motor that runs the Universe. We see this in the electrically induced magnetic thrust against gravity in electric motors.

Weak force is required to dislodge electrons and strong force (atomic) to dislodge protons.

Unless dislodged, these particles are of little value in producing Conventional Electrical Energy.

Functions of active Electrons (Continued)

INSERT AND DISCUSS:

- 1. Electrical Energy with Associated Phenomena
- 2. Energy Acquired by Magnetic and Electrical Impusing
- Electrical Energy

Therefore, in conventional electrical energy production, the particle of importance is the negative electron. Electrons have a "grudging" relationship with other electrons. They like each other, especially at arms. length. Like potentials repel each other and unlike potentials attract. To demonstrate this, take two batteries of the same type, but of a different charge level (unequal potentials). Put the plus and minus ends facing the same direction. Then with a volt meter, measure the electrical potential between the two negative ends and then the two positive ends. It is obvious that the "more negative" moves to the "less negative", is the correct concept for electrical energy generation. Electrical Energy flow consist of a higher concentration of electrons moving to an area of lesser concentration.

OHM'S LAW WITH CORRECTIONS:

A major obstruction in reference to the correct function of electrical energy is the establishment's incorrect interpretation of Ohm's Law. The corrected version is:

Volts = Energy Available (Potential)

Ohm = Scattering, dissipation of Energy (Load)

Ampere = the rate of, dissipation / scattering of energy

It is important to note that Ohm and Ampere are after the fact, and are not decisive except for the dissipation factor. High Voltage at low amperage simply means that the High Voltage is still intact for future usage. In no way is the potential diminished by low amperage.

FXAMPLES OF OVERUNITY

Dominos did not exist in England when the Laws of Conservation were originally put in place. Otherwise they might have been very different. For example let us take a long row of upright dominos, (many thousands) and flip number one. The Energy required to flip # 1 must now be added with that of thousands more in order to have a correct assessment.

The Electron it's self is an excellent example of overunity. The electron provides various forms of energy continuously throughout eternity and is in no way dimenished. It simply cycles through the system and is available thereafter.

In Electrical Systems, Electrons active at point "A" are not the same Electrons active at point "B". That is to say, the Electrons activated at the Central Electrical Energy Station are not the ones used at your house. When you ground your system by flipping the wall switch, you use your own electrons. In closed energy systems, electrons communicate with and and replicate the activity of the overbalanced potential, when provided with Earth and or Air Groundings.

The number of Radios and Televisions running at any one time do not diminish, in any way the electrical output of the source station.

For example, let now use use an Air Coil Resonate Induction System for the purpose of flipping some electrons.

The flipping device (reactor L-1 Coil) is pulsed which then provides a resonate induction pulse, in turn this flips the electrons present at the (reactant L-2) Coil. The energy input in L-1 is devided by the number of turns present. The induced magnetic pulsing in turn flipps the electrons in each turn of L-2. If more turns are present in L-2 than L-1, there is a net gain in the Energy present, as demonstrated by the dominos above. The farads and henrys of the resonate system provide the resonate frequency when pulsed by an external energy system. A system shunt in the resonate circuit sets the containment level for energy potential.

EXAMPLES OF OVERUNITY (Continued)

The Induction Process it's self provides an excellent example of overunity. When comparing rate of induction the cycles per second must be squared and then compared to the square of the second System. Let's then compare the 60 c.p.s. System with my 220 Mhz. Device. Energy produced at radio frequency has several major advantages over the conventional system. Ohm's Law when applied to the resonate air core radio frequency system is not functional.

For example: When resonate the following is true.

EXPECTED RESULTS

Energy Potential as Volts
----- = Rate of Dissipation
Dissipation

ACTUAL RESULTS

Super Conducter Conditions take over

* OHMS / DISSIPATION, IN AIR COIL RESONATE INDUCTION SYSTEMS, RESISTIVITY BECOMES ZERO AT RESONANCE.

This is named the V.A.R. (Volt Amperes Reactive) System.

When compared to the Conventional Under Unity iron core transformer system, the results are over unity.

It is strange that mechanical advantage as in pulleys, gears, levers and others which correspond to the electrical advantage above mentioned are not considered over-unity devices.

EXAMPLES OF OVERUNITY DEVICES (Continued)

Let us take a closer look at resonate induction. As an example, let a room full of ping pong balls randomly bouncing at a high speed represent the Conventional method of underunity energy generation.

Suppose that by resonate induction the balls all move in the same direction at the same time. When this occures a huge amount of energy not previously available is present. The resonate air core coil system lines up the electrons in such a manor that the energy factor is near 100 %, not 2 and 3 % as in Conventional underunity devices sanction by the establishment.

Some other devices where overunity is common would be resonate induction circuits present in conventional radio tubes (high plate voltage), negative feedback systems found in Op-Amps and possibly others.

SUMMARY

Useful electrical energy is achieved when the electron density at point "A" becomes greater than at point "B", (being the more negative moving to the less negative concept). Coils moving through a magnetic field or vice versa causes this imbalance.

The mind set of the professional electrical engineer is restricted to none-resonate and iron core coil resonate systems. Ohm's Law when applied to resonate air core induction systems, becomes, system resistivity (impedence, Z). "Z" at resonance becomes zero. Therefore, in this system, volts and amperes are equal until load (resistivity) is introduced. This is called the Volt Ampere Reactive (V.A.R.) System. With impedence being zero, the System grounding is coupled directly into the Earth's immense electrical potential.

Efficency of induction relates to the square of the cycles per second. Compare the ratio of the conventional 60 c.p.s. System and the 220 million plus cycles of my Earth Electrical System II.

SUMMARY (Continued)

Electrons which cycle through this system, after being used, are returned in tact to their former state for future usage.

Electron spin causes electrical current and magnetic lines of force.

The effect of current results from the unequal distribution of negativity (electrons).

Magnetic imbalance causes the gravitational effect. This is evidenced in electric motors by magnet-gravitational displacement of mass which causes the motor to rotate.

The System is an extension of present technology

The System and it's source utilizes magnetometer studies.

This System (Earth Electrical System II, E.E.S. II) utilizes a fully renewable energy source.

This System utilizes a non-poluting energy source.

This System utilizes an universally available energy source.

Endorsement and Certification of The System can be anticipated by States with pollution problems.