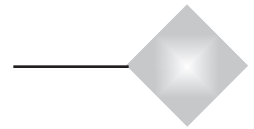


The Arthur Manelas Electric Car and Related Efforts

Bill Zebuhr



One of the most interesting and potentially important over-unity devices recently developed and tested is the electric power generating system of Arthur Manelas. Manelas, who died in 2014, worked as an engineer in the U.S. space program during the Apollo mission and was an inventor with 17 patents in the solar energy field. Manelas lived in Pelham, New Hampshire, only a few miles from our New Energy Foundation/*Infinite Energy* office. He developed the system at his home over a period of years, about 1990 through 2013, and installed one in his house to reduce electricity consumption from the utility. He also installed another in an electric car.

Local experts were involved in the testing and analysis of the Manelas device and other interesting devices. (I had the privilege of meeting Manelas and seeing the device hardware.) A recent article¹ in the *Lowell Sun* (Massachusetts) featured some of the history regarding Dr. Brian Ahern's testing and evaluation of the Manelas device.

Ahern, physicist and founder of Vibronic Energy Technologies Corp. (Acton, Massachusetts), was introduced to Manelas in 2011 by Ivan Kruglak, who has been involved in the exotic energy field for years. As reported by Christy Frazier in an *Infinite Energy* summary of the 2014 Cold Fusion/Lattice-Assisted Nuclear Reactions Colloquium held at the Massachusetts Institute of Technology,² in September 2011 Ahern "visited Manelas' home and tested a strontium ferrite power supply that was running a 1997 Solectria." The Solectria Corporation produced about 400 of these electric cars modeled on the Geo Metro (see Figure 1). In the *Lowell*

Sun story, Ahern noted that the Solectria car "was all battery and in the trunk was a power supply that was powering the car and was recharging it."

Ahern reported at the colloquium that "the ferrite billet had high voltage pulses traveling through it, creating excess electricity." He was skeptical, but observed and tested the device for a full week. Manelas, Ahern and two other passengers drove the car for 25 miles. Then the car was stored for one week. Ahern himself placed tamper tape over the doors, trunk, hood, etc. The battery capacity increased from 69.6% (at time of storage) to 89.4% (at the end of one week of non-use).

Ahern stated in 2014, "I believe in the measurements as much as anything that I have ever done, but I don't know why it worked." Ahern presented on the Manelas technology at the August 2018 Conference on Future Energy (part of Tesla Tech's ExtraOrdinary Technology Conference in Albuquerque, New Mexico). His slides indicate the device "inputs 11 watts and outputs 78 watts...The bulb consumed 57 watts of power over a four-day period. Nearly 20 megajoules were extracted from the battery and the voltage did not decrease; in fact, it increased approximately half a percent." Ahern noted, "This is not a violation of the First Law of Thermodynamics. The energy is believed to be extractions from the magnetic field in other dimensions predicted by String Theory." Ahern further explained, "An oscillating current is impressed on the battery, a super important point. The billet has a natural frequency of magneto-elastic origin when it is properly conditioned. We try to resonate with that frequency."

Ahern's preliminary investigation of the Manelas device convinced him that it was actually collecting energy from the "aether" and felt that his solid conventional scientific background was not sufficient to evaluate it. *Infinite Energy* had featured three articles by Don Hotson over a period of several years,³⁻⁵ and Ahern became convinced that Hotson's view of the universe might explain the Manelas device and others like it that apparently produced more energy than was put into it by conventional means. After studying Hotson's papers and discussing the ideas with Hotson and myself, Ahern concluded that Hotson's description of the universe, although far from complete and verified, was better than the conventional view. [See more discussion of the Hotson connection on p. 8.]

Ahern's comments to the *Lowell Sun* and slides from the



Figure 1. The 1997 Solectria car used in the Manelas device testing.

conference indicate a certain degree of skepticism, but mostly enthusiasm and confidence that the Manelas device works. He put forth the following questions and statements:

- In what other experiments would or should this effect show up over the years?
- Are there anomalies in other magnetic devices that support something interesting going on?
- On the surface the effect seems to be related to cosmology.
- Cooling could be a result of a cooling pipe action from the core to the outside induced by directional phonon transport caused by the resonance. So cooling could be an important clue. The battery does not cool. The billet cools.
- 135 kHz is way too low a frequency to be related to particle physics ideas, but 135 kHz could be resonance that excites much higher frequencies in the nano-ferrite so 135 kHz is a red herring regarding an explanation. Nanoparticles resonate in the THz range, or meV to an eV energy.
- Don't know what to make of the solar flares and supernova. The flares can interact in real time. The nova takes years to reach earth at the speed of light. [See Figure 2, where a similar effect is noted from an aurora.]

Before Manelas died, he left the device for Ahern to continue experimentation. However, the device had been disassembled by Manelas to “make improvements” and no diagrams were left behind for its reassembly. Ahern told the *Lowell Sun* he is “hoping to resurrect the device.”

To me, the overall results of the testing seem fairly straightforward and clear, but Ahern’s comments above are a good summary of where we stand regarding true understanding of the issues. This could be the closest anyone has come to defining a mechanism by which energy from the aether can be collected by a device. (See Figure 2.) It also can help explain why this kind of device is so hard to duplicate. The actual details of the mechanism are not understood and the need for precise values of particular dimensions and parameters has not been met or maybe even recognized.

The Manelas system and similar ones have two major advantages over LENR systems that produce heat from nuclear reactions of a fuel. The fuel in LENR is used in very low quantities due to the high energy per unit of fuel but it is still a fuel that must be obtained and installed, often in very particular ways. The first advantage is that the Manelas system needs no fuel and the second is that it produces electrical energy directly instead of only heat which then must be converted to kinetic (mechanical) energy of some kind to be useful for anything other than heating. That conversion is often only about 30% efficient or less due to the Second Law of Thermodynamics and it involves fairly complex devices, such as a steam engine.

There are a few significant direct conversion systems that are known in the past 100 years or so. A good summary of these has recently been presented by *Infinite Energy* editor George Egely.⁶⁻⁹ He points out that the information about these systems is sparse, and uncertain, and the hardware

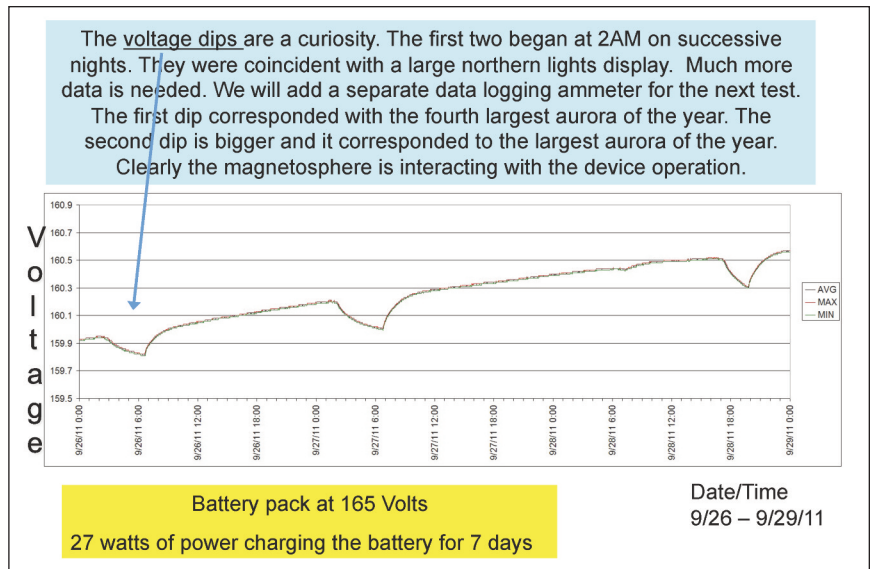


Figure 2. The Manelas data from September 2011 car test.

essentially nonexistent. Of the small group with credible evidence, the one that in general appears most like the Manelas system in net result is the one developed by T. Henry Moray. They are quite different in design, but both seem to depend on a resonant interaction with the surroundings in some way. The Moray systems built in the 1930s utilized an array of custom designed high frequency electronic tubes that if everything went right would produce kilowatts of power with no apparent input. The Manelas system used a ferrite billet wound with a very specific spiral wound wire. It was a smaller system that put out about 70 watts. It produced power over a period of months and was well suited to keeping a battery charged, which then could produce a desired higher power for various uses.

A very significant similarity may exist between the two systems—both apparently had key parts that ran cooler than the ambient temperature. Tom Bearden¹⁰ made this statement regarding the Moray system:

In one experiment Moray ran his device for 157 hours without any connection to external power sources, and produced over 50 kilowatts of power during the test. He also found that an additional 50 kilowatts could be added by simply providing another tap further back in the circuit. When he shut the device off from this test, he had proven once and for all that the device was generating electrical energy from free and natural sources without batteries or external power. During this test nothing in the machine heated up; instead, all parts of the circuit ran absolutely cold. This alone is totally unexplainable by ordinary electromagnetic theory, and it strongly implies the truth of Moray’s assertion that the device simply collects the energy in each of its stages in a subharmonically resonant manner, in synchronization with the extremely high frequency cosmic oscillations. In other words, since the parts of the machine ran cold, it is clear that the energy was being simultaneously collected at each stage rather than being processed through the individual stages in serial order, since

serial processing in the conventional electrical sense would lead to resistance heating of the circuit elements.

While I question some statements and explanations made by Bearden, his statement about Moray is in line with other observations and the consequence of cold running is logical and consistent with the observations regarding the Manelas system observations. Probably the most significant practical difference between the Moray system and Manelas is that the Moray facts are mostly lost in history, whereas the Manelas hardware still exists and the evaluators of the system are still pursuing it, at least as time permits. It is very unfortunate that Manelas disassembled his system just before he died and his documentation was such that it so far has not been able to be reassembled to make it work. We have heard that story so many times that it casts a lot of suspicion on the whole project, but the process and documentation of the tests was of high quality and the test data still exists.

LENR devices can operate in solids, liquids or gases and have developed to the point where operation is repeatable. They have not been commercialized because the output is usually low and in the form of heat, often not at a high temperature so the useful kinetic energy that can be extracted is very low and ultimately expensive due to the complexities involved even if the fuel is essentially "free." The direct conversion devices such as Moray and Manelas have not been repeatable and apparently have a very critical resonant connection to the aether. Since the aether is not understood or even accepted by mainstream science, the connection problem is not currently solvable except by "luck" or accident, which has occasionally occurred but the dots were not connected sufficiently to facilitate repeatability.

This is the problem now faced by Ahern and others working on the solution. The electron-positron pairs (epos) that make up the aether proposed by Don Hotson oscillate at 6.26×10^{24} times per second. It seems then that any device that is synchronized with this oscillation must operate in the subharmonically resonant matter that Bearden mentions, but this still seems like a formidable task. The extremely high frequency of the epos is enabled because they are massless, so no particle with mass will be in resonance.

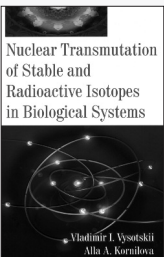
Fundamentally new technologies can take a long time to be developed to the point of commercialization. This is especially true of power generation systems that span a wide range of physical principles in their operation. The steam

engine took decades to get to acceptable operation. The internal combustion engine is still in active improvement after more than 120 years. Hot fusion has been pursued without success for over 50 years and is still decades or more from even a viable demonstration. LENR has been in active development by some of the best minds on earth for almost 30 years and repeatability is still considered a success. Commercialization may be still many years away.

Devices like the Manelas device are radically different from any of these because they "magically" seem to get energy from somewhere and by some means that is still not remotely understood so assuming that the Manelas device and the few other similar ones actually performed as observed by well qualified scientists, they are a major breakthrough. Knowledge of this type of technology is almost certainly known somewhere in the universe and maybe even on earth, but so far is not known by researchers in this field. This implies that from what is known, these technologies may stay in the experimental development stage for a long time, but now they are a strong indication of people's lack of understanding of the basics of the physical universe. This has been well pointed out by Don Hotson and the very few others like him. We thank Arthur Manelas, and Brian Ahern, for adding to this knowledge.

References

1. http://www.lowellsun.com/news/ci_32041915/clean-energy-drives-ahern
2. Frazier, C. 2014. "Historic 25th Anniversary Cold Fusion Meeting at MIT," *Infinite Energy*, 20 115, 15-24. See pages 17-18 of <http://www.infinite-energy.com/images/pdfs/MIT2014Colloq.pdf>
3. Hotson, D. 2002. "Dirac's Equation and the Sea of Negative Energy, Part 1," *Infinite Energy*, 8, 43, 43-65.
4. Hotson, D. 2002. "Dirac's Equation and the Sea of Negative Energy, Part 2," *Infinite Energy*, 8, 44, 14-38.
5. Hotson, D. 2002. "Dirac's Equation and the Sea of Negative Energy, Part 3" *Infinite Energy*, 15, 86, 20-29.
6. Egely, G. 2017. "Forgotten Inventions of LENR, Part 1: Electric Energy-Producing Effects and Inventions Driven by LENR," *Infinite Energy*, 23, 133, 7-13.
7. Egely, G. 2017. "Forgotten Inventions of LENR, Part 2: The Four-and-a-Half Heresies," *Infinite Energy*, 23, 135, 7-22.
8. Egely, G. 2017. "Forgotten Inventions of LENR, Part 3: Recent Inventions," *Infinite Energy*, 23, 136, 8-22.
9. Egely, G. 2018. "Forgotten Inventions of LENR, Part 4: Appendix," *Infinite Energy*, 23, 137, 7-12.
10. <http://www.cheniere.org/books/excalibur/moray.htm>



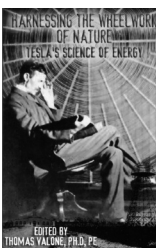
Nuclear Transmutation of Stable and Radioactive Isotopes in Biological Systems
Vladimir I. Vysotskii
Alla A. Kornilova
Hardcover, 2010

Nuclear Transmutation of Stable and Radioactive Isotopes in Biological Systems

by Vladimir Vysotskii and Alla Kornilova

\$50 U.S. / \$60 Canada
\$63 Mexico / \$65 Other

New Energy Foundation
P.O. Box 2816 • Concord, NH 03302-2816
Website: www.infinite-energy.com — Phone: 603-485-4700



HARNESSING THE WHEELWORK OF NATURE
TESLA'S SCIENCE OF ENERGY
EDITED BY
THOMAS VALONE, PH.D., P.E.
2002, Paperback, 338 pp.

Harnessing the Wheelwork of Nature: Tesla's Science of Energy

Edited by Thomas Valone

Essays by experts in Tesla technology,
selected Tesla patents, and more.

\$20 U.S. / \$30 Canada / \$35 Mexico / \$45 Other
(Prices include shipping/handling.)

New Energy Foundation, Inc.
P.O. Box 2816 — Concord, NH 03302-2816
Phone: 603-485-4700 — Website: www.infinite-energy.com