

ENERGY GENERATION AND COLD FUSION FROM THE ESOTERIC PERSPECTIVE

Eleonora Merlicco

Course 270

- Introduction
- Energy generation: a problem or an opportunity for humanity
- Cold Fusion & E-cat
- Conclusion

Introduction

Within the context of study of the esoteric matter, we know that the Law of Economy is a fundamental law for the life of any organism, from the macrocosm to microcosm. It is an instrument of synthesis which men have to learn to use on the basis of the recognized fact that all is energy. The production of energy for the sustaining of the organism - being it a human organism or a planetary organism - and its activities is an essential part of the management of the life of the same organism. A correct management has to respect the criteria of effectiveness and **efficient** harmony inside and outside the organism.

At this historical moment, at the beginning of the Aquarian Age, the energy production is a very critical point for the development of humanity and the whole planet. Everyone is aware of the negative effects of the actual way to produce energy on the health of the planet, men, animals and all living beings. It seems that men have been heavily interfering **with** the balance of the earth and the kingdoms of nature instead of caring for them. Even the nuclear energy - recently discovered - has been used as an instrument of menace, war and destruction.

So, people today think about energy generation as a great problem of humanity for which no immediate solution is possible. People that think this ignore that humanity

is on the path of evolution and men may find new instruments of development more suitable for their achieved level of consciousness. New opportunities are offered to humanity if it will be able to live according to spiritual values such as cooperation, brotherhood, group love and equality. The same nuclear energy, produced by a different way and correctly managed, may open a range of infinite and innovative uses to the benefit of the whole humanity. In order to know more about that, this paper will deepen the various aspects of the current energy production and the future perspectives tied to the discovery of the “low-energy nuclear reactions” (LENR).

Energy generation: a problem or an opportunity for humanity

The development of large-scale energy has been the result of the change transforming the human society from agrarian into industrial. Industrialization, as this process is called, has given a strong input to the modernisation process for which an economy aimed at manufacturing and supported by a continuous technological innovation has been established.

After few centuries of industrial production, it is evident how humans have caused disturbance in many natural processes with the final result of an extensive environmental pollution. This can be seen through the effective lens of the current science. At the same time, some political considerations and the teachings of the ageless wisdom put light on the implications due to the undue exploitation of the earth's resources.

Today science has clearly demonstrated the human interference in matter cycles and its impact on environmental safety. Particularly, the matter cycles interfered by the industrial processes and the need to generate energy are:

- the carbon cycle; industrial processes like coal and oil combustion, which are functional to generation of energy, produce great carbon emissions to the atmosphere; higher levels of the carbon dioxide contribute to the greenhouse effect and climate change on earth. Moreover, fossil fuels which are dead organic matter extensively used for energy generation are in danger of being exhausted because they take a **very** long time for regeneration.
- The sulphur cycle; industrial processes, including coal combustion, petroleum refining and melting processes, produce 90% of the sulphur salts found on earth. This acid deposition causes alteration of the Ph in water and soil, which disturbs the natural **process** of the lives present in water and soil.
- The nitrogen cycle; fuel combustion generates nitrogen oxides which react with oxygen in air, forming nitrous oxide gas. **This** is a greenhouse gas,

- responsible for the earth's temperature and the breaking down of the ozone layer (which protects humans and animals from UV-radiation). Nitrogen dioxide also reacts with hydrogen in the atmosphere, forming nitric acid; this causes acid deposition with damage to trees and marine ecosystems.
- The hydrological cycle; that is due to many causes such as vegetation removal including freshwater supplies from rivers and lakes, salination and contamination of groundwater; the consequent risk is an increase in flooding, soil erosion and land sliding.
 - the phosphorus cycles; again it is the removal of trees that causes a loss of phosphates because of the rains. As the generation of phosphates in soils and water requires a very long time coming from weathering rocks and oceanic sediments, the ground so deprived risks **becoming** unproductive.

Generation of energy in support of industrialization process has produced not only large-scale pollution but it has been also one of the major causes of wars and political disputes between peoples and nations. That is evident in the uneven distribution of the world's riches; so some nations exploit a large amount of resources including those they do not have in their own territories and other nations lack the necessities of life with few means to exploit their own resources or participate to the international trade by fair economic rules. Despite **the laws that have** been made since the end of the Second World War within the context of the international organizations like the United Nations, the World Trade Organization and the other international institutions, the distribution of riches cannot be still considered balanced **and** neither **has** the energy problem **been** solved at all.

Moreover, the teachings of the Master DK point out that the distribution of the world's resources and the unity of peoples of the world are actually the same thing. That is why all modern wars hide a fundamental economic problem; so dealing with world unity and peace primarily means dealing with the economic problem, for which the energy generation plays a great part.

On the one hand, it is said that all nations - great and little ones - have to learn to collaborate on the basis of the consideration that resources of the earth belong to humanity as a whole; the oil of the world as well as all other commodities belong to all men everywhere and they are essential to the daily living of everyone. Hence, in the effort to guarantee a true equality of opportunity and obtain security, happiness and peaceful relations for all, the nations are called to replace the old and obsolete principle of greedy grabbing with the noblest principle of sharing.

On the other hand, it has been prophesied that the release of the energy of the atom represents the inauguration of the New Age. Its creative use is destined to alter

the human way of life, letting the humanity make the transition from a materialistic system of life into one in which spiritual principles of brotherhood, peaceful cooperation and Christ love will be dominating. Particularly, such transition will be possible in accordance with the fact that “everything in nature is beautifully co-ordinated, and nothing can be discovered or utilised before the right time” ¹. This means that the discovery and use of the atomic energy is parallel and strictly connected to the development of group consciousness in man. When man becomes radio-active and unselfishly work for the group, he will be ready to use the strong and latent power of the atom. Consequently, human life will not only reveal a deep spirituality and connection with the subjective side of life but also be improved thanks to new forms of energy used for all conceivable purposes like heating, lighting and “everything” which “is carried on in the world” ².

Master DK also prophesied the risks tied to the discovery of atomic energy; in fact, he considered the evidence that the atomic energy is a potent force which may become a terrible weapon if not wisely used, capable to wipe the human family off the face of the earth. According to the teachings of the Master for the future, the resources of the atomic energy and the mode of their release cannot be a secret possession of few nations or families able to keep humanity **the** slave of their will and power. Atomic energy, instead, belongs to humanity intended as a single family. Any man has to benefit from its creative use so that the responsibility of its control must be in the hands of men of goodwill.

It is clear that the history of the last decades has been characterized by a bad use of the atomic energy considered as a weapon of mass destruction, revealing how much human family has been lacking of love and wisdom in order to properly manage the atomic energy, just as anticipated by Master DK. But, the time when humanity will collectively manifest creative powers and spiritual values has been approaching more and more and it is said that the atomic energy is just one of the several energies that humanity will discover in the various kingdoms of nature. In this context, the discovery of cold fusion in substitution of nuclear fission seems to reflect - in the terms of objective manifestation and of the part of such manifestation which a human being is able to manipulate according to his evolutionary level - this deep transition ongoing in the human consciousness from separateness to the consciousness of group love.

Cold fusion and E-Cat

¹ Bailey, *The Consciousness of the Atom*, p. 131.

² *Ibidem*.

Cold fusion is a type of nuclear reaction occurring at room temperature. The temperature is the distinguishing element between cold and hot fusion; this last one occurs at millions of degree and characterizes the common nuclear plants currently established. Damages and risks connected to hot fusion have been long studied and they include effects on life of all species because of emissions (for example cancer for humans and animals) and wide repercussions in the surrounding areas in the cases of damage of the plants with also the risk of being subject to terrorist attacks. It deals with a high level of radioactivity so that human beings as well as other living beings can hardly sustain it. In this sense, cold fusion presents lower risks than hot fusion.

It was since 1989 that cold fusion has started to attract attention by the scientific community, after first reports by Stanley Pons and Martin Fleischmann, well-known electrochemists. In the context of a laboratory experiment, they noted an anomalous energy generation in terms of nuclear reactions produced by small amounts of products like neutrons and tritium. In scientific terms, it deals with an electrolysis of heavy water on the surface of a palladium electrode. Despite other scientists **trying** to replicate the experiment, the original experimental results have never been replicated rigorously **and** neither a theoretical model accepted; so debates within the scientific community on the actual practice and effectiveness of cold fusion are currently open. From an esoteric point of view, this delay in proven scientific results about cold fusion could be justified in the light of the evolutionary level of human family; we have seen that when men are ready, showing right relations and group consciousness, they will discover and benefit from new sources of energy. In this sense, the last decades since 1989 have been years of preparation for this glorious future.

Indeed, a small group of researchers in many countries have been going on deepening the study and experimentation of cold fusion, preferring the designation of low-energy nuclear reactions (LENR), an expression which appears less contentious within the scientific community. Studies have been conducted also in Italy where in January 2011 two researchers have produced commercially viable cold fusion in a device called **an** Energy Catalyzer. The two researchers, collaborating since 2007, are Andrea Rossi, graduated in philosophy, entrepreneur and the inventor of the device, and Sergio Focardi (1932 - 22 June 2013), physicist and professor emeritus at the University of Bologna.

What is new in the study of the two Italian researchers, compared to that of other inventors and researchers involved in the same context, is the focus on the device which is of small size and able to produce cheap and abundant energy for any kind of use with no radiation outside the reactor. E-cat is based on a self-sustaining process which requires only some initial heating to start. The energy reaction inside the reactor uses a catalyst transforming nickel into copper. The whole process is still maintained

secret for commercial reasons, even if an international preliminary report on patentability refers that it cannot be explained according to the current laws of physics and established theories. This would confirm once again the limits of the human knowledge and the future perspectives of development in the context of all kingdoms of nature, as anticipated by Master DK. Moreover, resistances within the scientific community to accept successful experiments by forward-looking men would mean that humanity is not still ready for such a progress in evolutionary terms.

Actually, it seems that the theoretical uncertainty will not prevent the marketing of the device. At the beginning, there was an initial interest by Japan, Saudi Arabia and Greece. Particularly, a Greek company - called Defkalion Green Technologies - expressed the will to build a heating plant of one megawatt with the final end to provide the market with devices producing heat. After the failure to reach an agreement with the Greek company, **two other** U.S. companies are currently taking into consideration the idea to produce and distribute the device **worldwide**.

In the light of the future predictions for humanity **enabling them** to live in peace, love and harmony, guaranteeing security, abundance and progress to anyone, this cutting-edge invention could hugely change the world, if it works as claimed. **At first** moment it might be considered and used as an alternative energy resource, by every level of human existence **that** could be beneficially affected. **First**, families, houses, buildings, condominiums, small and large companies could be all energy self-sufficient. Secondly, the way by which human life is organized including **transportation** and communications could be efficiently renovated. Thirdly, economy should be rethought in view of lower prices - given the **old** removal of energy **extractions** from the cost of manufacturing **and their** economic cycles of recession and growth - mostly due to energy considerations and resource scarcity, and thus modified competitiveness. Finally, all those changes would have a strong impact on the relationships between nations with consistent changes of the international politics with **reducing the balance of power in** the Middle East and the Western countries, in favour of **leveling with** developing countries. Although it is quite hard to imagine all profound transformations that human society might have, it is evident that an energy solution, like e-cat, would help humanity to reach higher levels of democracy and equal wealth distribution, with a consistent progress on the evolutionary path for the benefit of all kingdoms of nature within the planetary and solar systems.

Conclusion

A glorious future is waiting for humanity though most are not aware of that. The seeds of knowledge, love and will to good have been already planted and they are ready to germinate. A cutting-edge invention in matter of energy - like that of cold fusion and the e-cat device - could be one of the first great changes inaugurating the New Era and, thus, a new way of life for everyone.

In the light of that, it is clear that energy generation is not a problem for humanity but a big opportunity to become aware of relevant facts; firstly, it is important to recognize that humanity is a single big family and all its members have equal rights and responsibilities; secondly, the needs of **the** human organism have to be aligned to the needs of the planetary organism, and new forms of energy production are possible and suitable for that; finally, **the** more humanity **grows** in consciousness, **the** more it will have access to more advanced knowledge and refined instruments of life. Knowing all that gives men deep hope for the future and great love to share with all forms of life.

BIBLIOGRAPHY

- Bailey, the Consciousness of the atom.
- Bailey, The problems of Humanity.
- Bailey, Esoteric Psychology volume II.

WEBSITES

- <http://www.rossifocardicoldfusion.com/>
- <http://www.journal-of-nuclear-physics.com/>
- http://it.wikipedia.org/wiki/Fusione_nucleare_fredda
- http://en.wikipedia.org/wiki/Cold_fusion
- <http://e-catalyzer.it/>
- <http://www.lenntech.com/matter-cycles-pollution.htm>
- Mark, Gibbs (2011-10-17). "Hello Cheap Energy, Hello Brave New World". Forbes. Retrieved 2011-11-12.
<http://www.forbes.com/sites/markgibbs/2011/10/17/hello-cheap-energy-hello-brave-new-world/>
- Paolo, Magliocco, Il Sole 24 Ore, "Fusione fredda: la sfida continua. L'esperimento dell'imprenditore Andrea Rossi". [TRANSLATION: "Cold fusion: the challenge continues. The experiment performed by entrepreneur Andrea Rossi"]

<http://www.ilsole24ore.com/art/tecnologie/2011-10-13/fusione-fredda-sfida-continua-210440.shtml?uuid=AaIpikCE>

Lewan, Mats (February 7, 2011). "Cold Fusion: Here's the Greek company building 1 MW"
http://www.nyteknik.se/nyheter/energi_miljo/energi/article3091266.ece