

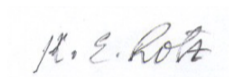
Comment on the crystal cell

Through studies on the internet, I have come across the research work on a crystal cell, which is being developed by Mr. Marcus Reid.

After giving the project closer attention and having had personal contact with Mr. Reid together with some other scientists, I have come to the awareness and creed, that the development of the crystal cell is a relevant system for our future. In the face of the environmental pollution and energy crisis, the crystal cell could find a plurality of applications.

The momentousness of this research can currently only be estimated. The continuation and further development of the crystal cell is highly recommended.

25 March 2008



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(21 Years full-time associate professor at the academy of Biberach/Riß of construction chemistry for engineers and architects.

Earlier involved in the special research field of qualitative and quantitative x-ray analysis on solid state reactions of the ternary system of zirconium oxide, aluminum oxide, silicon oxide in the ceramic section of the “Jenaer Glaswerk Schott und Genossen zu Mainz” company, in cooperation with the mineralogical institute of the University in Mainz.)

Preliminary aspects of the electric crystal batteries developed by Marcus Reid

Dielectric materials carrying an electric voltage are known since T. T. Brown reported his discovery of "self-potentials" in certain rocks and minerals. This happened at first in January.

1976, though US-inventor Brown started his studies on "petrovoltaic" already in 1931. He also published a draft how to construct a battery of the self-potential type which "has no fixed life as other (chemical) batteries but continues to generate electricity indefinitely". However, he never was able to realize his project. This fact may illustrate the excellent achievement of Marcus Reid who indeed succeeded to get near to Brown's great target.

Reid's idea to crystallize a silicate material out of a viscous mass under the bimetallic tension of the electrodes (Cu/Al) is very original and has unexpected results. According to my own basic studies on self-potentials and their artificial generation by charging of dielectrics, even a much higher charge voltage and initial stronger electrode tensions cannot produce such stable potentials as appear in the crystal cells. The power ratio between Reid's cells and my activated probes usually is more than 10000/1. A comparison of the general properties and features exhibits a lot of equal characteristics, but these are not at all comparable with chemical batteries. Already Brown assumed cosmic radiation as source of the self-potentials. The cell energy must be generated by a kind of internal photoelectric effect, activated by penetrating latent radiation or virtual photons maybe in form of scalar waves. There are significant responses to an emission of activating waves by atmospheric vapor with other strictly shielded dielectric probes (- not with dry crystal cells). Thus, the micro-crystalline state of the dielectric material and the cylindrical shape of the cells seem to be optimal for absorption of waves around the cell. On the other hand, interferences of the waves occur in two or more coupled crystal cells and mostly lower their efficiency, - a problem which may be solved by auxiliary equipment and appropriate switching arrangement.

July 03, 2008



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POTENTIAL OF A NEW DEVELOPMENT IN THE AREA OF POWER ENGINEERING

Document 87-08-1

Dr. Gustav Hans Weber

The crystal cell developed by Marcus Reid in Munich is a fundamentally new way of electricity generation with the potential to replace not only chemical batteries and solar cells, but after scaling up even fossil and nuclear fuelled power plants as well as hydropower stations.

In his portfolio dated April 2008, the inventor shows by well founded experimental investigations, that the origin of the power is not electrochemical. I am personally testing several crystal cells here in Switzerland and can confirm the special nature of the self-recharge, discharge behavior and other test data.

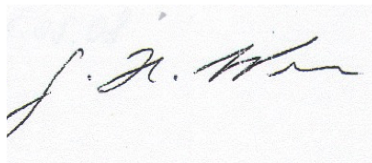
The most spectacular property of the cell is its self-charging after short circuiting and more surprising after polarity reversal.

Optimization and scale-up of the crystal cells will be possible up to units of several kW for peripheral power supplies (flats and houses).

For optimization and scale-up the origin of the energy-source must be found. This is done by calorimetry, a technology the author of this document has been developed since 1973.

(See: Hans Weber, Isothermal calorimetry for Thermodynamic and Kinetic Measurement, Herber Lang Verlag Bern, (1973), ISBN 3 261 01057 6).

22 May 2008,



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ARCMIRA-Group, Kiar Nad Hronom

Comment on the crystal cell

Since half a year I am privately involved in the research work of Mr. Marcus Reid on the so-called crystal cell. I have seen two of such cells and opened one of them to analyze some of its inner material by x-ray powder diffraction. To me the research work by Mr. Marcus Reid and Mr. Eckhard Kantz seems trustworthy. In my opinion, the release of electrical energy from the crystal cell represents an interesting and potentially new phenomenon. Therefore, I recommend an extension of the research and development work.

July 11, 2006



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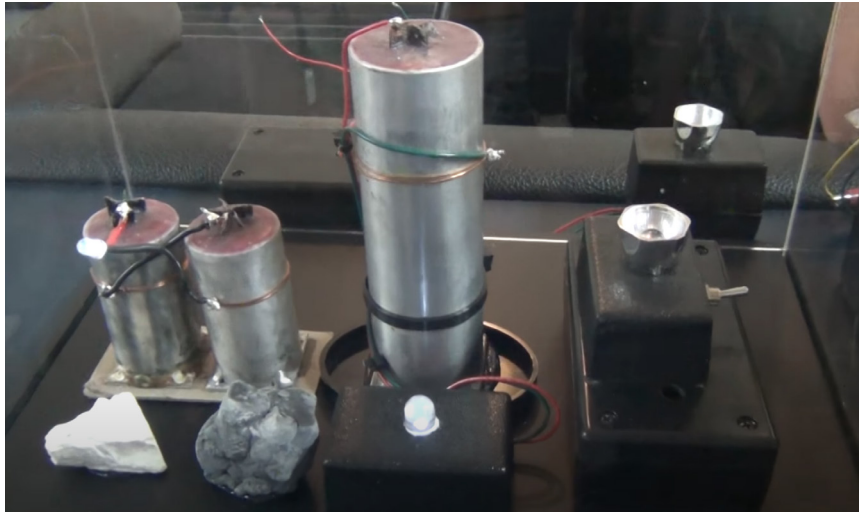
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(Since 1997 scientist at the Institute for Physics at the University of Augsburg in the field of special oxides. 1989 – 1991 Doctorate in Physics at the IBM Research Laboratory, Zurich on the same topic and thereafter for 4 ½ years as a scientist at the research centre of the VARTA Battery AG in the field of re-chargeable Nickel Metal Hydride Batteries.)

„Your Crystal Cells have been running without any power loss for over two years. In my opinion this is an incredible development. As I said to you we run them with the Bedini oscillators. I was hoping for you to get this device out into public view. The Crystal Cells perform just as you have said“.

(John Bedini, electric engineer and Chuck Hupp, Bedini research lab, 23-April, 2014)



Reid-Cells and silicate raw material at an Energy Conference 2012, with John Bedini and Chuck Hupp

„My research into the Crystal Cell revealed to me a current source with high beta fluctuations (which is my terminology for, „quantum fluctuations, that are a reflection of the fluctuations within the quantum field“) on the DC level and characteristics similar to a battery when connected in Series, Series/Parallel and Parallel. At least six Crystal Cells (approx: 300 grammes each) are needed to achieve an appreciable current to drive a DC to DC Buck/Boost circuit for a lamp or to run a small micro controller board to create applications the Crystal Cell can power. After running 3 , 18 mA , Super Bright 25,000 mcd LEDs for over 4 months the Crystal Cells have not diminished 1/10 of a volt DC from the 4.7 vdc @ 10mA that three Crystal Cells can produce“.

(J. Sebastian Williams, mechatronic engineer, 28-March, 2014)

"In testing the Crystal Cell and investigating Marcus Reid's previous test results we've found it has amazing characteristics. It seems there is a sympathetic resonance that develops between the quantum fluctuations of the water molecules trapped in the nano caves and tunnels of the silicate, with the copper and aluminum creating a charge separation and a diode like characteristic, essentially creating an asymmetrical power system that pumps electrons from the vacuum! This represents a new way of harvesting real power directly from the quantum realm and should be further researched, developed and deployed into power systems from small to large. We are excited to continue working with and supporting the development of the Crystal Cell!"

(Rolland Gregg, President of NativeCleanEnergy.com, 4-April, 2014)



From left: Rolland Gregg holding a Reid-Cell, Governor of Alaska Bill Walker and Marc Cuthbert

Protocol

Kutaisi

June 13, 2018

These people, who are the members of the expert group, professors: T. Adeishvili (Chairman), T.Kochadze, R. Topuria, D. Lekveishvili, M. Kotishadze, V. Tsverava, Doctor of information technology I. Basheleishvili, Assistant professors: G. Nibchviani, G. Dzidziguri, A. Kapatadze signed the following document and proved that since 20 October 2014 the observation has been made on the self-charging battery, made by German scientist Marcus Reid, on the basis of Kutaisi Technological Academy

According to the observation it is proved that:

1. The battery is put in the isolated box, then it is put in the glass reservoir, so the light can't enter into it.
2. There is no energy source connected to the battery
3. There is no heat source near the battery.
4. The battery can constantly generate electric currency and lighten the bulb either in summer or in winter inspite of low temperature.
5. In may 2017 the battery was demonstrated in front of the society and then was locked again.
6. In November 2017, in honour to Maxwell, the expert group gathered in the Kutaisi Technological Academy and decided to conduct accelerated trials.
7. On 15 January 2018 the installation was opened, the bulb was taken away and the contacts were dead-shortened. After that it was locked to be quickly discharged.

8. On 13 June, 2018 the installation was opened again, the dead-shortened contact was removed and right after the battery was connected again to the bulb. After that the bulb began to lighten as usual.

Therefore it can be supposed that the battery is not an accumulator of energy but the constant generator of the electric currency.

T. Adeishvili (Chairman) *T. Adeishvili*

T. Kochadze *T. Kochadze*

R. Topuria *R. Topuria*

I. Basheleishvili *I. Basheleishvili*

G. Nibchviani *G. Nibchviani*

V. Tsverava *V. Tsverava*

D. Lekveishvili *D. Lekveishvili*

M. Kotishadze *M. Kotishadze*

G. Dzidziguri *G. Dzidziguri*

A. Kupatadze *A. Kupatadze*

With special thanks to Professor Amiran Aptsiauri, Doctor of Technical Sciences, Vice-Rector of the Kutaisi Technological Academy and Vice President of SEMA, Head of Western Department of the SEMA.