

## Information = Energy

Richard P. Feynman in His book [1] was telling about energy supplies in the nature and finally He wrote “Therefore it is up to the physicists to figure out how to liberate us from the need for having energy. It can be done”.

This article suggests a way for such liberation.

### **Theorem.**

Information = Energy.

### **Proof.**

As discussed in [2] p. 137-148 it is seen that Universe is an atomic tape, ie Turing Machine, in other words Information. Hence Energy is a part (word) of information as well.

### **QED**

In His book Richard P. Feynman writes “we will define the information in the message to be proportional to the amount of free energy required to reset the entire tape to zero” and further “we can show that to reset this to zero costs no energy in several ways”.

He suggests a way to such reset of the tape – turn the atomic box over.

This procedure is known as “garbage collection” in computer science.

In simple words, Energy exists only because people wanted that it exists. If one imagine world without people, it is clear that the notion of Energy has no sense.

Moreover, the notion of Energy (Earth or Moon resources) exists only because it allows to speak people the language Energy-Resources-Money in order to sell so-called Energy sources (electricity, gasoline, food and etc) and by this degrade others, ie forcing them to use those sources by means of buying it or raising the people fear towards the moment when some certain Energy source disappears.

By this people created constant struggle for Energy sources: wars, hunger, killings and etc.

All the above said can be seen from the following simple example.

Let us imagine house wife that decided to by a new “invention” - Wi-Fi door bell – instead of a perfectly working old one built on electricity.

She is driven by a “good will” - to have the latest knowhow. She does not understand (she has no information, nobody told Her so and people who sold Her Wi-Fi device intentionally did so to get another victim for their product) that using Wi-Fi device means using the batteries (Energy source) for the button (otherwise it is not remote). Usage of batteries means higher consumption of Earth costly metals. Besides she calls to electrician who uses gasoline to arrive to Her home and lots of His energy to install Wi-Fi bell door.

And does she need the bell at all? Those who bring here Love enters Her home with the key and without the bell.

And those who bring Her suffer will use Her Wi-Fi door bell that she bought from them to enter Her house and collect the bill. As it is now seen in forming government based collectors companies that crash the doors and teeth of people to get the bills.

They destroy lives by simply collecting the money that is often needed for example to cure the cancer or some disease that a person suffers.

Sadly, but they do not understand that they will get the worst treatment after some time: “You rip the harvest, You have sown” due to simple physical law – Second Thermodynamic Law, ie Entropy Impossibility to decrease, in other words, Information loss possibility or we could say increase of neglect about the Universe state (**people and their thoughts are part of Universe**) over time. This is also due to Action-reaction law that is obviously built-in in Universe Turing machine (known as Third Newton Law).

This concerns everything, including people mind processes since those are based on information.

As an example nowadays pensioners get no required treatment at all countries. Doctors became nearly robots and their main task is to prescribe antibiotics because their work nowadays becomes more and more only to enter data into computer.

The operations are delayed for several years and even if operation is done the people suffer of mistreatment or doctor neglect (lots of cases when doctors forget instruments inside the body). One patient was told to drink the coffee to cure His cancer.

So, we showed that **Information = Energy**.

We could say now that the society where the notion of Energy exists can be called **Marasmus driven society**.

This explains the famous joke from Soviet times “When I get my hat up, my Marasmus gets harder”. In those times people were forced to learn endless communists conferences and work as hard as possible in five years economical plans reminding modern Sprint procedures invented by business corporations where the management already started to force worker to learn the principles of their Marasmus otherwise the worker gets fired – the same as in Soviet Union times, including video and electronic control at work and public places.

On the contrary, the society where there is no notion of Energy (or resources) can be called **Love driven society** since the “kitchen wife” would be advised by someone with Love not to buy and install Wi-Fi bell door, moreover, in such society there would be no doors at all – no fear of abuse for the sake to charge own Energy that turns out to be only “Smoke on the water”.

The above “kitchen wife” obscuration procedure applies to thousands years people Marasmus growth where someone pretends to be a good guy (we can call him a “wolf in a sheep fur”) with the knowhow and others are victims of own greed and neglect.

This applies to cars, mobiles, TV and other devices.

This mass Marasmus process was perfectly summarized by Pink Floyd - “Amused to death”.

World news constantly shows that there is a group of people ( we call them Smoke sellers or collectors) that continue to invent and degrade other group of people - “house wives” and “beer drinkers” - and by this make them suffer mentally and physically.

But those groups do not know that there is another group of contemplators who sees their deeds for thousands years, just wait and try to open their eyes.

As one can see there were thousands of such persons including Richard P. Feynman, Mahatma Gandhi with His famous saying “One can not trade with fundamental principle - Love”, the list goes “deep into the forest”.

But “troika” is still in the same place...

As one can see this paper result is in the full accordance with Martin Heidegger, Ludwig Wittgenstein theories and with famous Gödel theorem that says in simple words “in every rule set that contains rules of arithmetic there is an exception”.

This theorem also describes why there are always cases of corruption and fraud:

**people society rules are based on arithmetic hence they are “fraudulent” by nature.**

This inevitably leads to the conclusion that there might exist only one simple rule in the Universe.

We can call it **Love**.

So, Energy can not exist since it obeys Energy Conservation law that is arithmetic law hence due to Gödel theorem (see [3] for explanation about Gödel theorem) it leads to paradox.

One of such paradoxes is Maxwell's demon (see [2]).

By this discussion we proved

**Theorem.**

No matter what You do, the result is the same.

**Proof.**

If You follow your Marasmus rules, there is someone who follows the Love rule.

If You follow your Love rule, there is someone who follows Marasmus rules.

**QED**

In other words, Maxwell's demon exists but nobody cares.

In other words, the machine is at the same point always, ie people leave in “Den surka” (everyday is the same) for two thousands years from the time when someone who knew this tried to awake them. Or it can be seen as the newspaper that reads itself.

**Theorem on Liberation.**

The liberation that Richard P. Feynman spoke about is possible only by resetting the atomic tape to zero state.

**Proof.**

Everyone forgets the notion of Energy, that is the same as to through Money into the window.

This is discussed above.

**QED**

**Defintion.**

Slave is a person that has no freedom, ie possibility to do own things or have own opinions.

**Theorem.**

When one takes money, he becomes a slave.

Eventually all become slaves.

**Proof.**

People who take money fall into two categories: those who degrade others (Smoke sellers or collectors) and those who are degraded (“kitchen wives” or “beer drinkers”).

Since by Second Law of Thermodynamics Entropy increases in the society where notion of Energy exists, ie society with Money, sooner or later there occurs information loss, in other words those who are involved in such society are forgotten after some time.

It is obvious that there will be always new energetic people who need energy and who can find an exception rule to the rules of such society (due to Gödel theorem and that money society is based on arithmetic operations).

Those guys do not remember others and use them as the money source, ie their energy source.

By this we get the result since the forgotten person that is used only to get energy source from him has no freedom. It is obvious this eventually applies to all.

QED

**Examples:**

Pompeii where slaves were used as a source of money when they were fighting in front of others for their pleasure.

All recent world disasters: people and animal deaths due to someone need to buy another house or do renovation (example, install Wi-Fi door bell).

People death video taped and shown in Internet as a joke or whatever reason.

**Theorem.**

Pompeii was a self-reset of Universe to zero state.

**Proof.**

Since in Pompeii no one wanted to reset to zero state since all became slaves (no one wanted to forget about energy sources, ie money)

there was a self-reset of atomic tape to zeros implemented since Universe (Turing machine) needs to continue evolution (typing words arisen from Love rule only) anyway.

In other words to make a garbage collection since the current memory piece is full of it.

QED

This Theorem was already known by Pink Floyd in "Live in Pompeii" album [4].

Since Universe is a Turing machine that is typing only Love, It told to Roger Waters about this.

Let us recall that "The Minotaur" (infamia di Creti, "infamy of Crete") appears briefly in Dante's Inferno in Canto 12 (l. 12–13, 16–21), where Dante and his guide Virgil find themselves picking their way among boulders dislodged on the slope, and preparing to enter into the Seventh Circle of Hell.

Obviously Theorem on Liberation gives a way to leave Minotaur labyrinth.



There Minos stands. *Canto V., line 4.*

**Literature.**

1. Richard P. Feynman. Six easy steps, p. 86
2. Richard P. Feynman. Lectures on Computation
3. Wikipedia. Gödel theorem.
4. Pink Floyd, Live in Pompeii
5. Dante, Inferno