

Our Fictions and the practicable Way out

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Abstract

Let us comprehend what we people are. What really means humanity. What is fiction, and what are the roots of our existence. Please try to recognise all illusions and unveil the cardinal links.

Solar energy is the way which is to follow. Not only solar cells, but subsequently solar supplied electric cars. Humans, who recognize and evaluate the power of solar radiation, are able to substantially reduce thier food consumption.

The today's society, we live in, is somewhat uprooted. We miss a tight connection to our background, surrounding, and all our environment. We have lost the feeling of unity, of wholeness, relationship to each other and to the whole existence.

This sensation of belonging is incorporated in the majority of philosophical teachings. To be human is to accept this holism. The accentuation of humanity against adoration is the message of the Old Testament. Our own responsibility of acting is prior to devine forgiveness. Not to act unpleasantly, against the whole, one has to penetrate to, to scrutinize the roots of our existence.

If one is ready to accept the knowability of the world, the universe, and the whole existence, the question arises as where to start with this enquiry.

I prefer observations. Observations of human beings, nature, the whole world, and the universe. But to take these observations to a whole story one has to connect them to a harmonic image without contradictions. This way is not easy, some common interpretations lose their original meanings and change into new appearances.

One has to wade through illusions and unveil the cardinal contexts. A lot of illusions are the result of human indolence. Much of them are artificial barriers build up by accursed doctrines. How to get the principal rules, not to be confused with not really true familiar illusions?

First illusion : reductionism and causation bottom-up

Our investigation is a step by step disclosing of unrecognized territory. This searching incorporates steps in which we have to simplify and neglect some possible contexts. This is always the only way to step forward in our enquiry. But we must have in mind, that we have something abandoned, and that our first view in this unrecognized territory can be imperfect, sometimes even wrong. The level of reduced profundity connected with simplifying generates by reduced amount of facts almost cheap outcomes. From reduced facts we can deduce only poor conclusions. This way of bottom-up conjecture formation struggles with the real complexity of nature.

We must keep in mind that simplifying, reduction of links, bottom-up connections are only the first step of enquiry. The second must follow – observation tests and scrutiny, identification of ideas that have to be revised. We have to ask which ideas are too simple and not relevant. Next level of reduction has to be more precise and subtle.

At the end, it comes out that bottom-up causation is simply a feedback and not a causation. And apparent **complexity** displays only our nonperception, our - **lack of understanding of the background of natural processing.**

Second illusion : matter and energy as seminal parts

I really don't understand why this idea is so widespread. The humanity of mankind is made up of mental thoughts. We almost think before doing. Who has changed our vision of processing. Church? Or scientists who go to church? Why do we believe? Why do we believe that material is seminal?

Astrophysics has so many difficulties with hidden matter, dark energy, dark matter. Egregious! We have missed something. Our paradigm is false. We must recreate our mind, realise that our thoughts are more important, even seminal. Thoughts which have nothing to do with physical energy. **Mental energy** is another category, an other level of natural processing, let me denote it **as background information(al) processing.**

/Information differs from signals. Signal can spread with a maximum speed – the speed of light. Information is instantly present – coupled to the topology of energy-momentum space./

Third illusion : we don't know how the patterns emerge, nature has no memory

Spontaneous symmetry breaking is the key. Nature has memory of patterns embedded in energy-momentum space, in its topology. Topology incorporates phase discernments - phase diagrams of changing emergent patterns.

Emergence occurs at the critical energy quantity, which initiates the **spontaneous break of symmetry** - the **phase transition**, during which asymmetry emerges – new pattern in accordance with the information stored in the memory. Originally symmetrical state spontaneously changes to an asymmetrical one. A structure emerges which contains information. This information is carried by Nambu-Goldstone bosons, which maintain the emerged material structure.

The **memory of nature is a background topological category**. In the presence of energy topology becomes real – it is present as phase space in energy-momentum space. This means that a set of patterns (phases or templates of matter/energy structures) is available, and emerges according to free energy content.

Fourth illusion : natural patterns are rigid

The whole existence is a dynamical processing of growth. Evolution originates with irregularities – fluctuations of former homogeneity, that means of “nothing”, because uniformity means no information, no pattern, no memory. Now, dynamical evolution is what we observe. According to quantum theory, we are able to follow the growth of original inhomogeneities, in agreement with quantum graphity concept, into topological patterns.

All the evolution has to be background independent. That means, the whole generates itself randomly. There is no predestination, no teleology, no finality. Every evolutionary step is random, but follows the succession – the foregoing progression. But what is principal - that this foregoing succession is buffered in memory – natural memory – topology of momentum-energy space. Evolution is running in every location, according to the conditions in the local environment. New and adapted patterns are the result of well made reactions to changes in surroundings. Only durable and resistant patterns survive, but all experiences (information) of evolutionary steps are stored. The most used information is more accentuated in the memory.

A short comment to „the second law“: Entropy growth is damped thru the effective use of free energy in the environment. The growth of natural memory, which contains a lot of patterns powerful enough to exploit available free energy, disables fast entropy growth. (Entropy as measure of possible disorder limited by negative entropy amount stored in ordered patterns.) Entropy, doesn't seem to be the leading quality of nature. Some kind of information content, which is permanently growing, enables patterns emerge, is more fundamental and more significant quality for the evolutionary dynamics of the universe – I designate this quality as information tension or I-tension.

The true background natural processing is then coupled with the **dynamic of information growth and generates I-tension growth**. Finally, it seems that the law of I-tension growth is crucial, and that „the second law“ is only a consequential one. So we get a new paradigm : **I-tension growth is fundamental and entropy growth is emergent**.

Fifth illusion : we can't break economic rules and social realities

I don't think so. Elite sets laws and rules in own's behoof. Interests of a strong leading minority disturb social harmony. The best civil arrangement is apparently not fairly minded. Environmentally dangerous and inhospitable doctrines of economic growth in reality do not only destroy our surrounding, but they also exploit all our natural resources.

This is not the way that intelligent and responsible people want to follow. Perhaps we have reached the point where the vision of humanity, and the ethics of fairness and modesty, can establish a new order - a new nonmaterial, not monetary driven, mental-based paradigm. A society fully **aware of mutual dependence** can establish fair relations not only between people, but also to our environment, to the whole of nature.

Sixth illusion : we are poor, and God has to help us

The human brain is the most complex emergent piece of matter. God has to be understood as a symbol of our skills, he has to open our mind to love, to the ideas of mutual dependence and responsibility. What has remained from our pristine ties to the whole existence? We are a part of the whole.

But what is the worst – We have to stop to believe, to believe in the fundamentality of material world. It is more than obvious, that all material emerges under influence of nonmaterial nonenergetical information. This is the key problem of human mind. Stop to believe materialistically! Common material things are not crucial, they are secondary, which also means that we have to come to the prehension by a double abandonment.

First, we have to abandon dogmas of clerical origin – divine kind of beliefs, and also dogmas of material origin – common sense kind of beliefs. When this beliefs are gone, what remains is a pure spirituality: a full open view of any possible continuation of evolution, to which everyone has a bit to contribute. This contribution has to represent true humanity and incorporates responsibility for the future.

Who are we ?

Are we the best in the universe? Can we be the selected population of creatures? What is our pivotal advantage, and disadvantage? Are we ready to answer these questions? Do we know who we really are? Are we only material beings? What is essential? What is nonessential?

Can we suppose that we all will behave rationally? What is rational? What is natural? What is fiction? What is nonfiction?

We have achieved some experience. But not all, surely not the last extension of this experience represent true humanity. We have to go back – to the times, when this experience was not in collision with natural wisdom, we have to cancel the last inhumane evolution, and follow our empathy.

The way out – solar energy

Sun is the driver for Earth's vegetation and life. Let us recognize this simple nonfiction. The technology of solar cells is now very good. But we have to jointly engage against an artificial barrier – the offered prices of electric cars. We have to demand from the car producers the costing differences between cars driven with a combustion and an electric engine. Good batteries are not cheap, but there are a lot of things, which are not needed in an electric car, compared to the smoky ones.

Furthermore, our considerable research interest has to incorporate solar energy storage - better and cheaper batteries.

We have also to recognize the possibility of direct supplying of human body thru solar radiation. Wait, you will say, that is fiction, but my friend has for some years reduced his food consumption, including a mental training, he needs today just little alimentation. He feels better in form, and healthier, than before.

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