

Introduction.

I dedicate this scientific essay to my beloved woman, my spouse, an opponent in our many discussions, who supports me and inspires me throughout my life. This essay was originally conceived as one “for home use”, for my children and grandchildren. As my vision of life. So that behind my name, people could see the thoughts that possessed me as well. Later I decided to share my thoughts with those who might be interested.



There comes a time when you ask yourself: why am I living? What is the meaning of my life if life is followed by death?

To be or not to be, that is the question:
Whether 'tis nobler in the mind to suffer
The slings and arrows of outrageous fortune,
Or to take arms against a sea of troubles
And by opposing end them. To die – to sleep, No more.
W. Shakespeare “Hamlet”, Act III, Scene I

This is a sacred question. Because it seems to me to be the most important thing in life. But what is a “meaning”? If you take it as the basis of all our reasoning that a certain cause always produces a certain effect, then there is a meaning in everything that is living and developing! If there is further development to life, then it has a meaning.

As the years go by, you get to see how complex and yet simple the world is, how harmonious it is and how wisely everything is connected! To me, all this was the first approach to the idea that the world around us is the work of the Maker. Realization of it, and most importantly, the true faith came to me after several cases of Deus ex Machina, when events happening to me could be explained as nothing else but acts of the Maker. What was happening to me was clearly a divine intervention!

How can one explain an act of the Maker? I will not describe the cases, but I will tell you how I felt it. It can be compared to a light breeze blowing in your face amidst complete calm. Events unfolding in a negative way for you and seeming to lead you to unfortunate consequences, suddenly, at just the right moment, take a positive turn and are resolved just enough to avoid negative consequences. This happened to me repeatedly, planting faith in my heart and giving me confidence in the future. Here is the main conclusion I drew from this. Never give up, even in a seemingly hopeless situation. You have to do everything that is in your power and count on the Maker to help with the rest. It would be appropriate to quote the words of Saint Sisoy the Great (Copt, †429): “Do not despair and lose hope in any circumstances, for it is more terrible than any sin. Get up when you fall down, get up again if you fall down again – and do so until death.”

In terms of my worldview, I consider myself to be a cosmopolitan, a globalist, and, short of being a fatalist, I tend to believe that nothing is accidental. That is, I consider all people inhabiting our planet to be one family. I am convinced that the mankind needs to blur the lines between countries and come together as one community, the Earthlings. With one government, one economy and one language of communication, preserving free choice of religion. This, in my opinion, would stop the struggle for territory and resources, which is what most military conflicts are about. Despite the fact that I was born in Moscow, Russia, I consider the whole planet Earth to be my home.

When I was young, I was captivated reading the Bhagavad-Gita, narrated by Krishna more than five millennia ago to Arjuna before the fratricidal battle of the Kuru dynasty. I have been closely drawn to the Indian philosophy ever since. Despite this, I was later baptized as an Orthodox Christian. Do I consider myself a believer? The answer is yes, I believe in the Maker and I seek to be guided in my life by the commandments given to Moses on Mount Sinai. The Maker created the Man in his own image. The way I understand this is that every Human carries in himself or herself a “spark” of the Maker, the Soul. Therefore, any being carrying the “spark” of the Maker, i.e. the Soul, is worthy of respect from birth and should have all rights to live its life.

“Those who are seers of the truth have concluded
that of the nonexistent [the material body] there is no endurance
and of the eternal [the soul] there is no change.
This they have concluded by studying the nature of both.”

Bhagavad-Gita, chapter 2, verse 16

“For the soul there is neither birth nor death at any time.
He has not come into being, does not come into being, and will not come into being.
He is unborn, eternal, ever-existing and primeval.
He is not slain when the body is slain.”

Bhagavad-Gita, chapter 2, verse 20

According to the Indian philosophy and Buddhist traditions, all beings created by the Maker (from the lowest of bone matter to the highest incorporeal ones) have a certain content: gross (material) and subtle (immaterial) sheaths. With perfection, according to the law of karma, a being first possesses only a gross shell, then receives additional incorporeal sheaths, then gets rid of the gross sheaths. The soul and the Paramatman, a more subtle essence, belong to the subtle sheaths, so they do not perish along with the gross sheaths (the body). The soul is the vessel of consciousness. Paramatman is the Supreme Soul.

“I (the Maker – author’s note) am seated in everyone’s heart,
and from Me come remembrance, knowledge and forgetfulness...”

Bhagavad-Gita, chapter 15, verse 15

The Indian philosophy gave me an understanding of the meaning of Human Life. I realized that the only value in life is the possibility of perfecting the Soul, ascending higher and higher in the spiral. And so on until you get to the level of immaterial existence. The ultimate goal is the unification of Paramatman with the Maker.

A human being does not need any mediation between his Soul and the Maker. This does not mean that I am against places of worship, religious services and religious ceremonies. Most people need it.

So, going back to the original question about the meaning of life. Life is a priceless gift given by the Maker. Through the law of karma, the Soul is perfected. So my answer to the question pondered by the Prince of Denmark is “To be!”

The second thing that is extremely interesting to me is duality (or opposition, in my interpretation). What do I mean by duality and why is it so important?

First of all, I must say that Dualism as a term was first introduced by Thomas Hyde (Hyde Thomas. *Historia religionis veterum Persarum eorum que magorum*. Oxf., 1700) in his description of religious views in ancient Persia, in particular the struggle between good and evil in Zoroastrianism (the good is personified

by Ahura Mazda (Ohrmazd), the evil is personified by Angra Mainyu (Ahriman)). This ethical dualism formed the basis of a later variety of Zoroastrianism, Zurvanism, in which Ohrmazd and Ahriman were generated by the supreme androgynous deity Zurvan.

These are examples of pure duality: agreement (as “yes”) and disagreement (as “no”); creative (negative entropy, order) and destructive (positive entropy, chaos) energies. I consider these examples to be “pure” because such examples as good and evil, black and white, light and darkness can be treated as relative concepts.

This notion is crucial for taking any further action. The cause-and-effect process would not be possible without dualism. The vector of aspiration must have a direction, which is chosen on the basis of dualism. So, if you want to aspire to the light, you have to know where the darkness is and make your choice based on the darkness.

I believe that dualism is a tool of the Maker.

But to use this tool, information is needed.

Knowledge, just as the resulting desire, arises from information and is part of it. Consequently, information is primary. The first verse of the Gospel of John the Evangelist confirms my reasoning: “In the beginning was the Word, and the Word was with God, and the Word was God.” In the original text the “Word” is written in ancient Greek as ὁ Λόγος (logos), which can be translated as “mind”, “thought”, “knowledge”, “information”.

That is how I came to a very important conclusion – that information is primary. If there is information, it must be quantified and structured, because quantified information must correspond to quantified energy and matter. Structured information is the essence of knowledge. Knowledge, in turn, determines the processes of formation and development of matter.

But who structures the information? The Maker structures the information and makes sure that there is a balance in the duality mechanism.

So here is what I arrived to. Life is important, and it is realized through a duality that relies on knowledge, which is the result of structuring quanta of information.

The concept of “Information”, therefore, needs to be understood in more detail.

Modern research in the field of thought processes led me to believe that when we think we operate in “mental images”. And the brain is probably involved in this process only indirectly. Meaning that the brain only operates with mental images, but does not create them. The main function of the brain is to support the vital activity of the gross (material) sheath of a being.

What does the research say?

“...supporting the thinking process and supporting the information-thinking process between people requires completely entropy-free brain mechanisms, which the biochemical material of the brain and the neural network built from this material cannot provide.

...staying within the Mendeleev’s periodic system, it is impossible to implement the conditions required to create low-entropy states of the brain and consciousness in the actual brain work environment, i.e. at a temperature slightly above room temperature.”

Valery Barygin, 2018,
“My views on life.”
Man is incapable of comprehending the plan of God
If only because he is mortal.

and Information Processes, MSU, 1971, Chapter X, p.177.

“If atomic and molecular matter of the brain cannot support thinking, but performs only neurophysiological functions for the organs in the form of a regulatory and communication network, then what form of matter is capable of performing thinking operations? ... ultra-light fermionic particles within the range of $\approx 10^{-34} - 10^{-31}$ g in mass...»

*N.I. Kobozev, Research in Thermodynamics of Thinking
and Information Processes, MSU, 1971, Conclusion, p.189.*

Thus, information (in the form of initial mental images, not to be confused with a physical recording of binary codes on hard media) cannot be stored on material media, but “lies” upon the structure of physical vacuum capable of providing the information storage and exchange without entropy. Information exchange in Space is instantaneous between any points of Space. This process is made possible by the following scientific concept.

Material Space (the Universe) is a closed geometric object, each point of which is its center (a property of the mathematical notion of a three-dimensional sphere S^3). The space is stratified (it consists of three main layers and a volumetric layer). Energy circulates in a closed circuit through stratified spaces, implementing “spatial metamorphosis”. All of these layers are not just mathematical concepts, but are instead an actual property of the Universe. Within each layer, energy has different properties and manifests itself in a different way. In “our” tardyon layer (with velocities less than the speed of light), energy is observed as matter and its structural formations. In the adjacent tachyon layer (with faster-than-light velocities), energy has other properties and perturbations in the vacuum structure travel at velocities that are faster than speed of light in our layer (to be more precise, at velocities faster than the speed at which perturbations travel in the vacuum structure). Thus, information in a vacuum structure is simultaneously accessible at every point of the Universe and manipulation with a quantum of information or mental image is instantly reflected in any point of the Universe. This allows “controlling” every process instantaneously at any point of the Universe and possessing information in real time at any point of Space.

“... as the Supreme Personality of Godhead (Krishna – author’s note),
I know everything that has happened in the past, all that is happening in the present,
and all things that are yet to come.
I also know all living entities; but Me no one knows.”

Bhagavad-Gita, chapter 7, verse 26

“... One should meditate upon the Supreme Person as the one who knows everything, as He who is the
oldest,
who is the controller, who is smaller than the smallest,
who is the maintainer of everything,
who is beyond all material conception,
who is inconceivable, and who is always a person.
He is luminous like the sun, and He is transcendental,
beyond this material nature.”

Bhagavad-Gita, chapter 8, verse 9

Dualism is at the heart of the creation process of our Universe. The first beginning is information stored in the structure of physical vacuum, the second beginning is matter created from vacuum guided by the first beginning.

Dualism is used by the Maker to organize viable and evolving systems, the grandest of which is the Universe.

According to René Descartes, man has a dualistic nature combining materiality and spirituality, and I fully agree with this. Man is dualistic in nature and in purpose. The duality of Man manifests itself in the balance between the dual sides and the karmic law that regulates predominance of one or the other side. In other words, there *must be a strict balance of dualities between beings, and it is supervised by the Maker*. This is why for hundreds of thousands of years neither good nor evil has prevailed. Otherwise, it would result in a violation of the mechanism of duality and the reference points enabling the perfection of the Soul would be lost. None of the dual entities can in any way oppose the Maker.

“... there are two kinds of created beings.
One is called divine and the other demoniac...”

Bhagavad-Gita, chapter 16, verse 6

If one accepts this notion, it is ridiculous to condemn an evil man for his actions, for it is his fate, his karma, and, blasphemous as it may seem, it may be the Maker’s will.

As we have concluded, the process of human formation and development relies on structured information. In other words, a person’s life is defined and it can be read.

A quantum of information may be at the order of an elementary essence of matter (1.6×10^{-33} cm, – Theory of Fundamental Field (TFF), I.L. Gerlovin). *Therefore, the greatest manifestation of dualism is that the Greatest is in the Smallest.*

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Structured quanta of information (mental images) are in the structure of physical vacuum (Theory of Fundamental Field defines nine types of vacuum). Each of the nine types of vacuum may contain its knowledge base (structured quantified information) depending on the development level of the Being using it. For example, beings consisting of bone matter (stone) correspond to the knowledge base at the ninth type of vacuum. Creatures at a higher level (birds, animals) have access to the knowledge base at the eighth type of vacuum. A human being can use the knowledge base at the eighth, or seventh type of vacuum. The immaterial beings use knowledge bases at higher types of vacuum.

Since physical parameters (resonant frequencies in particular) of all nine types of vacuum are known, the mechanism of obtaining ALL knowledge can be thoroughly investigated. However, this research has a profound moral dimension.

The question, “Where does God dwell?” is asked by many, often with a tinge of flippancy. Nevertheless, a serious assumption can be made about this question important to humans. The idea of the Maker being transcendental is beyond doubt. I suppose that Information, Space and Power are parts of His transcendental nature. Time is of no essence. There is no Space for Maker, as any point of Space (including a set of connected Spaces) is the Maker. This means that the totality of the quanta of information occupying the entirety of Space is He. For this reason, any verbal or mental reference to the Maker anywhere in Space is instantly “heard” by Him. This is my vision of the Maker.

What else can I say to everyone I care about, that is, to all creatures...

I feel that in the World there is only my Soul and that of the Maker. My bodily sheath is alien to me, but it is indispensable. The people around me are close to me, but they are indispensable. Each walks their own way. The spiritual essence of Man follows the law of karma and the carnal essence follows Darwin’s theory.

In my mature years, my reference points are:

1. God (the Maker – author’s note) is the same for all
2. You shall not take the name of the Lord thy God in vain
3. You shall not make for yourself an idol
4. Honor your father and your mother
5. For six days you shall labor, and do all your work, but on the seventh day you shall not do any work
6. You shall not commit adultery
7. You shall not steal
8. You shall not lie
9. You shall not murder
10. You shall love your enemies

The Maker’s commandments to Moses

“... lust, anger and greed.
Every sane man should give these up,
for they lead to the degradation of the soul.”
Bhagavad-Gita, chapter 16, verse 21

“As the ignorant perform their duties with attachment to results,
the learned may similarly act, but without attachment, for the sake of leading people on the right path.”
Bhagavad-Gita, chapter 3, verse 25

And it is up to my reader to find your own reference points.

May 2, 2020

I decided to continue my reasoning to lay out the thoughts that came to mind. This way it makes a sort of a diary. So...

As I concluded above, “...the only value in life is the possibility of perfecting the Soul...”.

It occurred to me that it is a more important goal for the Human Soul to know the Maker through perceiving His Creation. However, this also means perfecting the Soul.

November 29, 2020

If, as we concluded earlier, God is the totality of the quanta of information occupying Space, then what are God’s creations? Specifically, Man? What are the manifestations of feelings between people? What is art? This is an interesting topic to think about, and it is important that this reasoning give a basis for research and experimentation.

As we have suggested, mental images are structured quanta of information. Structured mental images are knowledge. Structured knowledge, then, is probably the Soul of a being and, in particular, of Man.

Each human Soul is uniquely structured by the Maker to fulfill its program (“karma”). The gross sheath is built to match the inner structure. Such is the Maker’s creation, the Man. Then manifestation of feelings between human beings can be explained by resonance phenomena occurring between elements of structured quanta of information. Since art is a derivative of mental images of Man, we can say that it is also created through resonance mechanisms. Consequently, all these processes can also be extensively investigated with reliance on the works of I.L. Gerlovin and N.I. Kobozev.

I would like to touch upon a topic that concerns the one part of Mankind that is engaged in creating the technologies for space exploration.

It would seem that having received a technical education in Aerospace Systems at one of the best universities of the Soviet Union, N.E. Bauman Moscow State Technical University, I would envision mankind’s exploration of outer space through technical means. However, lately, based on my views on life, I have been having these thoughts.

Let’s say we are tasked with building a spacecraft (even an unmanned one) capable of reaching the nearest stellar system, gathering scientific data and relaying it back to Earth. It is a technically complex task in itself, one that would take many years to solve. Manned flight seems outright impossible. The human body is not designed by the Maker to survive an extended stay in the outer space. The essence of the task boils down to simply obtaining information about a specific object.

So, if all existing mental images are based on a certain vacuum structure and are accessible at any point of Space, then why don’t we obtain this information instantly without developing complex space technologies and putting human lives at risk? Maybe that is why Mankind is unsuccessful in searching for high-tech civilizations? It may be that they just do not need to appear here tangibly, and they already know everything?

These technologies are also available for in-depth research today.