



OPINION

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ORDER-DISORDER SCIENTIFIC PHILOSOPHY - VII: Life (जीव) and Life-Soul Complex (जीवात्मा) : GOD EQUATION



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1. INTRODUCTION

A series of publications appeared recently [1-4] on the scientific investigation dynamics of the secrets of production of human life within the protein cell of the mother's womb through the bio-radiation quantized energy particle - Lifton (life particle), human life - death system and consciousness (चेतना) and soul (आत्मा : ॐ). The role of Lifton (जीवकण) in the production of thermal waves in the human body and their motion [5] has been explained in three stages, namely: (i) when the human body remains healthy, (ii) when it needs medical treatment in unhealthy conditions and (iii) when death occurs. These Lifton dynamics followed the new Unified Scientific Theory [6] for the systems of the Universe and Nature where Order-Disorder Transformations (ODTs) based on Order-Disorder concepts [7, 8] have played a prominent role and have been described previously [6-8]

$$\iint f(T, t) \Delta T. \Delta t \approx \iint f(E, t) \Delta E. \Delta t \approx (1/2\pi) \approx \iint f(D, O) \Delta D. \Delta O \quad (1)$$

where the symbols have their usual meanings. It has also been visualized that the Heisenberg Uncertainty Principle [9]: $\Delta E. \Delta t \geq \hbar$ (\hbar = Planck's constant) of differential space is the particular case of the above generalized ODTs of integral space, i.e. eq. (1) is the generalized form of the Uncertainty Principle. The distribution function $f(D, O)$ is given by

$$f(D, O) = \exp(E/E_D) \cdot \exp(-E_O/E_D) \quad (2)$$

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It is very complicated to understand any person and his or her behaviour. The collection of experiences from religious and scientific philosophies by a common person has enriched their knowledge. The above contributions are very well described by the scientific dynamics of Life (जीव) and Life-Soul (जीवात्मा). A common person is not concerned with understanding the dynamics of any event or action but they understand very well that their happening and results are controlled by God (परमात्मा). They don't understand that uncertainties lie with respect to any event or action. Truly speaking, such behaviour arises due to the dual nature of particle and wave occurring in matter and radiation; but from where do such characteristics arise in both of them. The New Unified Scientific Theory [6] for the systems of the Universe and Nature has revealed that the dual nature of particle and wave arises due to the order and disorder characteristics. Order within disorder and disorder within order is the nature of all systems and bodies of this Universe. Time 't' is an invisible parameter which describes the natural order. The existence of Nature (an ordered entity) is itself a manifestation in the dimension of time. The uncertainties lying with respect to any event or action (A) are dependent on disorder content (D) and order content (O); $A = f(D).f(O)$; where the functional quantities $f(D)$ and $f(O)$ are associated with the contributions of the Universe and Nature respectively. The result of any action or event is controlled by some Superpower as *The Bhagavadgita* [10] confirms.

Life (जीव) is made up of three entities:

- (i) Physical mortal body → that performs the actions of breathing, movement, eating, etc.
- (ii) Subtle body → this is the body of the Mind (मन) and the vital energies which keep the physical body alive. Life (जीव) is a part of Illusion (माया). Vedas have described the Mind (मन) as always moving with high velocity. Hence the thoughts of human beings are always running here and there. Generally, positive thoughts encourage humans to do good work with positive energy in resonance with Nature, while negative thoughts are dominated by illusion (माया) and produce negative energy to life (जीव). It is because of this that we have introduced Einstein's relativistic concepts in this paper for the interaction of Life (जीव) and Life-Soul Complex (जीवात्मा). Life (जीव) exists in human beings, animals and plants. In the context of human beings, it refers to "**The human part of us**". Illusion is concerned with the subtle body/physical body as the subtle body is unique for every individual based on his or her actions and behaviour. Illusion is the darkness self. When there is no effect of illusion, only then may humans attain spirituality. In the spirituality state, the Superpower and illusion meet and their meeting point is known as Churning (to have a wish for truth). The sophisticated meaning of churning is thought. We can understand Superpower (परमात्मा) as an entity of positive energy and illusion (माया) as an entity of negative energy.
- (iii) Soul (आत्मा : ॐ) is the core identity and the ultimate reality. Soul simply means one's true self. Soul is unborn, eternal and ever-existing. The Soul is not our thoughts or emotions or feelings. There is a part of us at work behind the thoughts we think, behind the emotions we feel. Soul is "**The being part of us**". When someone knows the difference between

Life (**जीव**) - “**The human part of us**” - and Soul - “**The being part of us**”, that person will start using this information to be able to recognize that any actions and behaviour are being driven by the mind or the soul.

Life-Soul Complex (**जीवात्मा**) = Life + Soul. Each life possesses the qualities arising from nature. Soul (**आत्मा : ॐ**) when combined with nature (**प्रकृति**) forms different kinds of senses and attains different material natures. It is the Life-Soul Complex (**जीवात्मा**) which resides within the human physical body.

This is the individual eternal energy fragment of God which knows only his or her own individual body. The individual physical body is unique for everyone and is based on his or her genetic characteristics. In an earlier study [11], we discussed the formation of amino acids by the interaction between a lifton and a protein molecule which helps in the formation of the building block of a DNA molecule.

The happening of any event or action and its result is under the control of Superpower. Similarly, there should be a key of scientific theory to open the locks of the existing systems of the universe and nature. This was pronounced earlier by the pioneer Stephen Hawking [12] who described our universe as having begun with a very important event - the so-called BIG BANG; and also there should be some “God formula” to establish all the associated facts. Order-Disorder Transformations (ODTs) are the outcome of the New Unified Scientific Theory which has revealed various facts about different systems such as atomic systems, molecular systems, bimolecular systems, biomedical systems and socio-cultural systems, etc. ODTs work as a master key for understanding the secrets and dynamics of the systems of the Universe and Nature. The doctrine of the mathematical philosopher Descartes (Theory of Rationalism) and his associates [13] to consider the Universe as a system is based on the concept that, when there is the existence of “Infinite and God”, only then can the existence of an atom or matter be understood. The philosopher Spinoza of this series considered that God is the only entity which has infinite attributes including thoughts and extension. The extract of whole science discussed updates the path of understanding of Mind or Soul (**आत्मा : ॐ**) as an ordered entity, while matter is a disordered entity.

2. DYNAMICS

Human life possesses some physical principles of conservation and transformation of matter and radiation. In the order-disorder concept, we consider: disorder conceptual form of photon energy, $\epsilon_{ph} = h\nu = h/(Q_F t)$; and order conceptual form of energy for maximum quantization Q_F , ($Q_F = \lambda/c t$; $Q_F \rightarrow 1$), $\epsilon_{ph} = h/t$. Q_F is a quantization factor while the other symbols have their usual meanings. Lifton is a biomaterial [2] and it forms life (**जीव**). It is noticeable in reference [3] of “Theory of Bioradiation” that, when the number of degrees of freedom per unit volume $8\pi/\lambda^4 \rightarrow \lambda/c t$ (quantization factor), then $E_\lambda \rightarrow E_L$. The life particle Lifton possesses an energy $E_L(t, T) = \epsilon_T/t = (\lambda/ct) k_B T$, where ϵ_T is a constant associated to Life energy as referred to earlier as a SYA constant [2]. Life particles supply energy to life (**जीव**) whose control is with Superpower. Lifton is a disordered material. Human life (created entity) and existing Soul develop a complex form of Life-Soul

(जीवात्मा) energy $E_{L-S \text{ Complex}}$ in the human physical body, which is the energy of natural order [6].

$$E_{L-S \text{ Complex}} = (1/2\pi t) \exp(\mathbf{E}_{ph}/E_L); \mathbf{E}_{ph}/E_L = [hc/\lambda k_B T], \quad (3)$$

where \mathbf{E}_{ph} is the photon energy and h is Planck's constant.

Lifton provides consciousness in every cell of the human body. The possession of perceptions, thoughts, feelings and awareness, etc., is the state of being aware of an external object or something within oneself. Thus, it can be said that the ability to experience or to feel the fact and to know about anything is under the executive control system of the mind. In other words, anything that we are aware of at a given moment forms part of our consciousness. To be conscious, it is only necessary to be aware of the external world. Consciousness is a fascinating but elusive phenomenon.

In order to consider the interaction between life (जीव) or Lifton and the Life-Soul complex (जीवात्मा), we have introduced Einstein's relativistic concepts for the reasons discussed above. Let us consider that a Lifton moves with velocity v and that the Life-Soul complex (जीवात्मा) is in a stationary state. Thus, the Lifton energy becomes $E_L(t', T) = \mathbf{E}_T/t' = (a \lambda/c t) k_B T$, where $t' = t/a$ and $a = 1 - (v^2/c^2)^{-1/2}$. On substituting the values of $E_{L-S \text{ Complex}}$ and $E_L(t', T)$ in eq. (2), we obtain

$$\begin{aligned} f(D, O) &= \exp(E/E_L) \cdot \exp(-E_{L-S \text{ Complex}}/E_L) \\ &= \exp(E t/a \mathbf{E}_T) \cdot \exp[-(1/2\pi t) \exp\{(\mathbf{E}_{ph}/E_L)/(t/a \mathbf{E}_T)\}] \end{aligned} \quad (4)$$

When we use the above value of $f(D, O)$ in the ODTs eq. (1), we finally obtain

$$\text{Action of positive thoughts (A}_+) = E_+ \cdot t = 1/2\pi \quad (5)$$

$$\text{Action of negative thoughts (A}_-) = E_- \cdot t = 1/2\pi + 2a\mathbf{E}_T \quad (6)$$

Eq. (6) reveals that flickering mind thoughts (negative thoughts) are affected somewhere by life particles (जीव) due to having an additional term on the right-hand side of the equation, while stable mind thoughts (positive thoughts) show constancy throughout. These results resemble the findings of *The Bhagavadgita* [10]. Thus, it can be said that eq. (5) is the equation of success while eq. (6) is the equation of failure. Eq. (5) is concerned with positive energy (E_+) in human beings while eq. (6) is concerned with negative energy (E_-). The above equations therefore reflect the ordered and disordered characteristics of human beings respectively.

3. RESULTS AND DISCUSSION

The interaction of disordered entity life (जीव) and ordered entity Life-Soul Complex (जीवात्मा) has produced interesting results. Life-Soul Complex (जीवात्मा) is in a stationary state while a lifton (जीवकण) moves with high velocity, as also described in Vedas. The life (जीव) and Life-Soul Complex (जीवात्मा) components or entities have been generated to a live human physical body by the wishes of Superpower. The creation of positive and

negative interaction energies obtained are of ordered and disordered characteristics respectively. Actions of positive thoughts are of natural order, which show that they correspond to a stable mind, while the action of negative thoughts are random in nature, which show that they correspond to illusion (माया). Eq. (6) corresponding to illusion (माया) reveals that the second term on the right-hand side of the equation corresponds to two liftons (जीवकण) or a lifton-lifton interaction. Illusion (माया) generally confutes to human being which is why eq. (6) corresponds to an equation of failure while eq. (5) corresponds to an equation of success. The infinite nature of positive energy E_+ and negative energy E_- is noticeable at time $t=0$. At infinite time $t = \infty$, both energies become zero. These results show resemblance to those of *The Bhagwadgita* and Vedas.

It is noticeable by the comparison of eq. (5) with eq. (1) that both have similar meanings. Both equations are of natural order with their right-hand side values the same. That is why, in the Order Disorder Transformations (ODTs) [eq. (1)] and in the action of positive thoughts (A_+) [eq. (5)], the quantities on the left-hand sides of these equations give the same results. The actions of positive thoughts are performed by positive energy in resonance with Superpower (God), i.e. such actions are of God's desire. It can therefore be concluded that the following combined form of equations (1) and (5), as described by

$$\begin{aligned} \text{Action of positive thoughts } (A_+) &= E_+ \cdot t = 1/2\pi \\ &= \iiint f(D, O) \Delta D \cdot \Delta O \approx \iiint f(E, t) \Delta E \cdot \Delta t \approx \iiint f(T, t) \Delta T \cdot \Delta t \end{aligned}$$

may now be pronounced as the **GOD EQUATION**.

The scientific dynamics discussed in the course of this investigation may be helpful to make humans aware that their negative acts in making their lives luxurious and comfortable have created dangerous environmental problems such as global warming and a degradation of human values.

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