

Reality and the knowledge - representation

Dr. Vishad Tripathi

Chairman & Executive-Director, International Institute for Consciousness Studies & Research, India

Abstract

In the present day scenario of the advancement of the technology with its although diversified, yet unifying perspective in a holographic realm of neuroscience, particle physics, high-energy physics and psychology, the present modern scientific understanding has been arising to a fact as to investigate the patterns of energies which are responsible for the behavior of the fundamental particles in the 'Matter' (solid state technologies like 'Artificial Intelligence') as well as in the 'Human Brain' and the entire neuro-physiological system collectively behaving as a single 'Individual Being' or a 'Human Being'. Now herein thus we comprise of the two main categories initially for our research purpose which are the a) "Artificial Intelligence as Unconscious System" and b) "Human Beings as The Conscious System". We shall instigate in this report about the data processing of the external world signals or the inherent inner activities and operations which collectively gives rise to a complete holographic aspect of 'Knowledge Representation' and its relation to the 'Reality- the Real Perspective'. Computerized equipment also pick up the external signals and their previously fed signals from their core memory and combine them through their programmed process in order to give collective responsive results which relate to a meaningful information of any given use for the 'Human Beings' whereas the 'Human Beings' also have the similar and more sophisticated and complicated natural process inherent in them which is capable of acquiring the external signals and the inherent mental activities in the memory and process them in combination naturally in order to deliver the same collective responsive results as meaningful information for any given use. The phenomenal processing and operation of the discrete quanta of informative signals either external or internally inherent, furnished as a meaningful information thereby giving rise to a phenomena called 'Knowledge' through a phenomenal process of 'Cognition' in case of the Conscious System (Human) and called as 'Transformative Output' in case of Unconscious System (Computers/Artificial Intelligence) which is referred to here as 'The Knowledge Representation' but in Conscious System (Humans) more refined to an extent called 'Wisdom'. This shall be the primary aspect to ponder over in our present report as a comparative as well as collective study of such processes of 'the Conscious Systems and Unconscious Systems'.

Keywords: Artificial Intelligence, Conscious & Unconscious System, Transformative, *Antahkarana*, The self.

Article Received: 27-06-2015, Revised: 02-07-2015, Accepted: 23-07-2015

Conflict of interest: None declared

Corresponding Author: Dr. Vishad Tripathi, Chairman & Executive-Director, International Institute for Consciousness Studies & Research, India. E-mail: vedicscientist@gmail.com

International Journal of Science and Consciousness (IJSC): a Bio-Psycho-Spiritual approach
Published by: Foundation for Science, Spirituality & Consciousness, Uttarakhand, India

Reality and the knowledge - representation

Introduction:

There has always been a quest in the present day technological civilization regarding the 'Reality' and its inherent 'knowledge-representation' either in the perspective of 'transformative phenomena' of the information processing in semiconductor structures, like computers or more specifically in the so called 'artificial intelligence', or in the perspective of 'cognitive phenomena' of the 'cognition and knowledge' in the brain in case of human beings, which itself auto-transforms into so called 'wisdom'.

As it is evident in the case of computers, electronic memory the electrical signals in the hardware is stored in the form of 0's and 1's which are themselves the continuous, non-linear, subjective potential values of the electricity though appearing to be discrete in nature, whether organized or unorganized. Once the whole systems functions as a unified system collectively, having its components of Operating-System and Hardware respectively with reference to the user and his natural intelligence, then the same apparently discrete potential values of electricity start behaving collectively as a coherent mass of a single unified signal thereby giving rise to an emergent phenomena called information for the practical reference of the user (an individual person). Until and unless these whole stored potential values don't behave as a collectively single unified wave, the very conception of emergence of the information is impossible. It is the collectively unified pattern of these potential values which is the actual state of the information and until these potential values are lying separately either in the Memory (Matter-Hardware) or in the apparently discrete order in due course of being processes of being unified as a single unified wave, they are not in the state of being informative themselves. Another set of the same apparently discrete signals, exist in the universal wave structural fabric, which is called

the Online Data Server (a platform working as both processing unit and Memory or Storage). This is simply a higher stratum of the same 'transformative phenomena'.

The similar process is carried out naturally in the human brain as well wherein the same biological signals are stored in the neurons in the form of similar continuous, non-linear, subjective potential values of the bio-electricity though appearing to be discrete in nature, whether organized or unorganized. Once the whole system functions as a unified system collectively, having its components of the inner psychic instrument which is extremely subtle in its very nature & essence known as 'Antahkarana' (analogous to operating-system in computers) and itself is a blend of for different layers of highly subtle processing units namely (i) Mind- 'Manas' (faculty of structural flow of data instructions from discrete to collective single unified wave), (ii) Intellect- 'Buddhi' (Real-Time positive discriminative faculty), (iii) Mind-Substance- 'Chitta' (faculty of Memory- 'Representation & Visualization'), (iv) Sense of Being(Ego) or 'I'-Sense- 'Ahamkara' (collective deliverance & reception faculty) and the Brain (analogous to hardware in computers) with reference to the user which is the SELF or the individual Soul, then the same apparently discrete potential values of the biological signals start behaving collectively as a coherent mass of single unified signal thereby giving rise to an emergent phenomena called cognition which simultaneously gives rise to another emergent aspect of this process called 'knowledge' for the practical reference of the user (an individual SOUL). Until and unless these whole stored potential values don't behave as a collectively single unified wave, the very conception of emergence of the cognition is impossible. It is the collectively unified pattern of these potential values which is the actual state of the 'knowledge' and until these potential values are lying separately either in the Memory ('Chitta' or Mind-Substance which

also works like RAM within the extremely subtle Operating-System collectively) or in the apparently discrete order in due course of being processes of being unified as a single unified wave, they are not in the state of being cognitive themselves. The set of these apparently discrete signals exist in the *Memory ('Chitta' or Mind-Substance within the 'Antahakarana')* is analogous to the universal wave structural fabric as in case of the computers online data maintenance and communication. In human beings, there is no lower level of this transformative phenomena as there exist the same stratum of this transformative phenomena as the '*cognitive phenomena*', in human beings, in all the cases of this process because in the case of computers, the potential values of electrical signals are retained due to the magnetized nature of the matter of the hardware of the processing platform while in case of the human beings, brain does not retains the sets of the potential values of the biological signals just for the simple reason that in case of human beings the storage division is only the higher stratum of the existential phenomena which is always subjective in its working and nature wherein the brain only functions as a signal carrier and transferring platform and the neurons as the signal carriers and transferring units whereas in case of computers the storage is fabricated in both lower and higher stratum of the this transformative phenomena wherein the Hardware works both ways as Memory or Storage platform as well as a signal carrier and transferring platform and hence computers are no match as compared to the human beings for this explicit reason that the core fundamental functionality in computers involves a combination of duality of higher level (subtle wave structural fabric) and the lower level (Matter-Hardware) whereas in case of human beings the same core fundamental functionality is operational only on the higher level (subtle wave structural fabric of the extremely higher order degree of subtleness as compared to the case of computers) which is based on the core fundamental principle of singularity.

In both the cases we seen that the matter doesn't performs neither the signal processing nor the *transformative (in case of computers)* nor even the *cognitive (in case of human beings)* phenomena rather it is entirely supervised and taken up by another subtle and subjective agency which is called the operating system and universal wave structural fabric in case of computers and the whereas in case of human beings it is the '*Antahakarana*' which itself functions as the operating system and the universal wave structural fabric. So it is explicitly more clear now, that in both the cases the user is, the individual person in case of computers and the individual SOUL in case of human beings, are totally separate states of being who are different from the platform of the process of *informative transformation (in case of computers)* and the platform of the *Noumenal & Phenomenal Cognition (in case of human beings)* and hence it can be more precisely said that the user in case of computers is not the computer itself and in case of human beings, the user is the individual SOUL and not the body itself. This analogy is sufficient enough to serve as a platform to prove the existence of the individual SOUL on the basis of clear logic and reasoning.

Bibliography:

1. *Shatpath Brahman* (Maharishi Yagyavalkya & Shandilya Muni – Madhyandiniya Shakha), Dayanand Bhavan, New Delhi (2003).
2. Maharishi Valmiki, *Yoga-Vashishtha*-The Maharamayana, Chaukhamba, New Delhi (2001).
3. Kapil Muni, *Sankhya Darshan*, Govindram Hasanand, New Delhi (2003).
4. *Maharishi Kanaad*, Vaisheshik Darshan, Govindram Hasanand, New Delhi (2001).
5. *Maharishi Ashtavakra*, Ashtavakra-Gita, Chaukhamba, Varanasi (1938).
6. *Brihadaranyak Upanishad*, Chaukhamba, Varanasi (1938).

7. *Chhandogya Upanishad*, Chaukhamba, Varanasi (1936).
8. *Mandukya Upanishad*, Chaukhamba, Varanasi (1936).
9. *Mundakopanishad*, Dayanand Bhavan, New Delhi (1936).
10. *Shwetashwara Upanishad*, Chaukhamba, Varanasi (1938).
11. *Aitreya Brahman*, Chaukhamba, Varanasi (1986).
12. Dirac, Paul (1937), *Quantum Electrodynamics* Nature, London.
13. Meade, Carver (2000), 'Collective Electrodynamics', MIT Press.
14. Eisele, John A. (1960), *Modern Quantum Mechanics with Elementary Particle Physics*, John Wiley, NY.
15. Clifford, William (1870), 'On the Space Theory of Matter', Cambridge Philosophical Society.

Cite this paper as: Tripathi, V. (2015). Reality and the knowledge - representation. *International Journal of Science and Consciousness*; 1(1):22-25.