

Research Essay

The Scientific Philosophy: Consciousness Theory of Occurrences & Access'Ability

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Abstract

Consciousness is presumably one of the most researched topics of this century. Consciousness theory of occurrences and access'ability proposed by this research explains how consciousness actually manifests through occurrences, accessed by human brain. This theory bases its assumptions upon scientific principles of neurology, psychology & psychiatry, quantum mechanics and Einstein's theory of relativity. It also uses concepts of philosophy of consciousness and spirituality to establish certain facts. Other than solving the mystery of consciousness, this theory also helps to understand why and how humans experience certain strange phenomena like intuition, precognition, premonitions, dreams, déjà vu, paranormal, telepathy, reincarnation, past life memories, and communication with the dead.

Keywords: Consciousness, Theory, Science, Philosophy, Occurrences, Phenomena

1. Background

Why is it so difficult to develop one universal scientific or mathematical model of consciousness? Great scientists from across the world have been busy in researching, applying wide variety of methods like experiments, laboratory testing, observations and case analyses but failed to establish single strong theory on scientific or mathematical grounds. Scientific and mathematical models need verification and validation on grounds of measurement. Something that cannot be measured cannot then be scientifically or mathematically validated or verified. This is the reason why scientists failed to find solution of this hard problem using scientific measurement and methodologies. However, philosophy of science can help us understand and find some clues about reality of this problem. Consciousness is ultimate reality of cosmos. Every particle in this universe has consciousness as every single particle responds to all other particles following the principles of quantum mechanics. It is purely a science but due to its nature and subjective properties, we need a different viewpoint to explore reality of consciousness.

Consciousness is not limited to the living organisms. For this research, I am going to use word 'creature' for all organisms that have consciousness. Researchers in physical and biological sciences have established that even smallest particles (cells, molecules and atoms) in universe possess consciousness. They do sense their surroundings, receive stimulus and respond in their own unique ways. They are entangled with trillions of their counterparts, communicate and

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model their response. In addition, according to principles of quantum mechanics, these particles change their behaviour when being observed as if they know that they are under observation. They are conscious particles.

For centuries, hundreds and thousands of scientists from the fields of physics, neurosciences, psychology, physiology and quantum mechanics have been trying to understand the true nature of consciousness. Some of them including Albert Einstein, Sir Roger Penrose, Stuart Hameroff, Deepak Chopra, and Rudolph E. Tanzi have propounded revolutionary theories that help us to build the ground and know how consciousness actually manifests itself in huge cosmic space-time. It is appropriate to say that despite failing in solving whole mystery of consciousness, these scientists and philosophers have made significant contributions on their part to help us tap important information about aspects, nature and behaviour of consciousness. Since cosmos is the ultimate space and consciousness is the ultimate reality, every stream of science has some answers to specific issues of consciousness problem. Developing the theory by integrating various scientific domains is the fundamental purpose of this research. Presumably, this theory can answer almost all questions related to the mystery of consciousness. To establish, develop and support the theory, in first place, I explain the assumptions followed by description of reality of consciousness. It is then discussed how various scientific disciplines serve the basis for the theory with their unique principles and discoveries. After the consciousness theory of occurrences and access'ability (CTOA'A) is explained, I clarify how this theory helps to understand certain strange phenomena experienced by human beings and how it connects with philosophy of consciousness and spirituality.

This research bases its theoretical hypothesis on three fundamental assumptions:

1. Consciousness manifests itself in form of 'occurrences' in cosmic space-time.
2. It is creature's 'ability' to gain 'access' to the occurrences, which causes experience of consciousness. In case of humans, their brain is the apparatus that enables the access to occurrences.
3. Creature's experience of consciousness is exclusive to its own reference frame (relative space-time). However, due to entanglement property, human brain also accesses occurrences from other creatures' reference frames in different space-time.

2. Reality of Reality

The reality of cosmos is a great mystery. Wherever the issues of consciousness, mind emotion and behaviour are involved, in core of every discovery there is a hidden mystery, something that cannot be completely explained. For example, a psychiatrist might know most of the precursors and causes of dementia but in the core it, she cannot be hundred percent sure on what actually caused a patient such state. Reality of cosmos is that it has both physical and nonphysical elements. Physical elements can be observed in form of matter and energy that can be sensed or at least be known to human beings. We human beings have limited ability to see, hear and sense. We cannot hear sounds that other animals can. Unlike some birds, we cannot sense the electromagnetic fields to identify which direction to move forward in. How we see colours is

distinct from how different animals see them. In reality colour is nothing but physiological and psychological response to wavelengths of light entering our eyes. Reality is, what we know so far is just what we could discover using our limited intellect, imagination and senses. In real, reality is much broader at cosmic level and made up of much more than what human can even imagine. It has both objective and subjective properties. The mistake that scientists make is that they rely too much on objectivity. They even believe that theory is not scientific at all, if it is not testable, falsifiable and reproducible. They do not understand that if measurement of something is not possible, how one can fulfil these conditions. Reality is not just physical matter and energy. It is hidden in what 'happens' in the cosmos – occurrences.

This research instead of challenging any school of thought tends to redefine consciousness by adding facts that are more scientific and by correlating philosophical thoughts with scientific principles. In my opinion this cosmos is made up of both quantitative (entities that have physical properties) and qualitative (non-physical entities) components. Physical objects, matter and energy made up of atomic and subatomic particles can be measured as human has capably found the properties of these objects along with units and terms in which they can be measured. Scientist have successfully developed sophisticated scientific, technical, mathematical tools and equipment that enable accurate measurement of many physical components of this universe. All known types of light, sound, mass and energy can be measured in terms of frequencies, wavelengths, oscillation, volume, and density. On the other hand, this cosmos, our world also possesses elements, entities, and phenomenon of various sorts, which have no physical properties. Human experience, qualia senses, mind and brain relationship, intentions, intuitions, and many such states have kind of unclear definitions, as they cannot be measured so far. It is appropriate to say that in order for anything to be scientifically measured, we need to:

1. Know all its physical properties
2. Know the measurement unit
3. Have developed the equipment/tool to measure it

Since we cannot define physical properties of consciousness it is obvious that it cannot be measured with tools and equipment designed to measure physical properties of matter and energy. Scientific theories discussed in upcoming sections nevertheless give clear picture of how consciousness despite being a qualitative and subjective discipline, is very much scientific in its nature.

3. Neurology, Psychology and Psychiatry

Psychology is an important field of applied science, which deals with behavioural and mental aspects of conscious and unconscious experiences of human being along with the respective thought process. Psychiatry, another branch of science of medicine evolved to focus on diagnosis, prevention and cure of mind, behaviour and emotion related disorders in humans. It seeks to address kind of subjective mind based issues with the help of scientific knowledge, tools, and techniques. Disciplines of psychology and psychiatry consider universe as a division

of, and interaction between, physical reality and mental reality and therefore, emphasise on curing the mind in order to improvise the psychological well-being of human. Neurology, the science and study of nervous system focus on functioning of brain, spine, blood vessels and effector tissues in nervous system. Very recently, the discipline of neuropsychiatry has emerged as the field of medicine to diagnose and treat mental disorders attributable to the diseases of nervous system. All these applied science principles in many ways answer the issue what we call as mind/brain monism where mind is a subjective, non-physical aspect and brain is physical and more objective unit.

“Neurologists have focused objectively on organic nervous system pathology, especially of the brain, whereas psychiatrists have laid claim to illnesses of the mind. This antipodal distinction between brain and mind as two different entities has characterized many of the differences between the two specialties. However, it is argued that this division is simply not veridical; a plethora of evidence from the last century of research has shown that our mental life has its roots in the brain” (Martin J.B., 2002).

It is argued that mind and brain are not separate or discrete entities but just different ways of looking at the same system (Marr, 1982). They are like two sides of the same coin that has both subjective and objective faces and properties.

4. Quantum Physics

According to the Copenhagen interpretation, quantum mechanics separates physical universe in two parts. First, the system being observed and second, the human agent together with his instruments (Kak, Chopra, and Kafatos, 2015). Copenhagen Interpretation concerns with the epistemology of quantum world leaving aside the ontological questions about the ultimate nature of reality (Kafatos and Nadeau, 2000). It describes how we experience the quantum phenomena. The ‘collapse of wave function’ has been an important discovery of quantum mechanics in exploring the fundamental nature and behaviour of subatomic particles and electromagnetic waves.

In order to explain quantum measurement, in 1927, Werner Heisenberg proposed the idea of wave function collapse (Heisenberg, 1927). The reality in physical world is created by the process of observing, measuring, and knowing (Heisenberg, 1955). An elementary particle for example, once the positional value is assigned to it, knowledge of momentum, trajectory, speed, and so on is lost and become ‘uncertain’... the nature of reality and uncertainty principle is directly affected by the observer and the process of observing and knowing (Heisenberg, 1955, 1958). The presence of observer who is not part of collapse function but is a witness, changes the behaviour of particle. Act of knowing creates a knot in quantum state described as the collapse of wave function (Joseph, 2015). At quantum level therefore it is not easy to measure the behaviour of matter and energy as particles have ability to be in the state of superposition that causes them to decohere, what we consider as the decoherence principle of quantum mechanics.

The uncertainty principle also says that it is impossible to measure the exact value for the momentum of a particle like an electron, given that its position has been determined at a given instant. Likewise, it is impossible to determine the exact location of that particle once its momentum has been measured at a particular instant (Greiner, Walter. 2000). It also originated the concept of wave particle duality which means that subatomic particles and electromagnetic waves both share certain common properties of each other and are neither simply particle of wave in separation. Current scientific theory, through the work of Max Planck, Albert Einstein, Louis de Broglie, Arthur Compton, Niels Bohr, and many others, holds that all particles also have a wave nature (and vice versa) (Greiner, 2001).

The principle of complementarity holds that objects have complementary properties, which cannot be observed or measured all at the same time. Niels Bohr regarded the "duality paradox" as a fundamental or metaphysical fact of nature. A given kind of quantum object will exhibit sometimes wave, sometimes particle, and character, in respectively different physical settings. He saw such duality as one aspect of the concept of complementarity. (Manjit, 2011)

5. Relativity Theory by Albert Einstein

Einstein's relativity equations provide foundations for many advanced theories in relativity based physics and quantum mechanics. Space-time scheme is one of the most substantial researches based upon relativity theory. For the NASA Astronomy Café (part of the NASA Education and Public Outreach program), Dr. Sten Odenwald (Raytheon STX) stated that it was Hermann Minkowski, Einstein's former college teacher who developed the scheme of space time reality in the year 1906. Minkowski established that because space consists of three dimensions, and time is one dimensional, space-time must, therefore be a four-dimensional object. According to this scheme, our world is embedded in four-dimensional space-time continuum where all events, moments in history, places and actions can be described with reference to their unique location in space-time.

General theory of relativity explains that time is relative to the observer and since observers are innumerable, due to gravity, velocity and other variables, there are no universal past, present and future (Einstein, 1905, 1906, 1915, 1961). Reality and its properties have no objective true values and are relative to the observer's point of view (Einstein, 1905). There is no universal past, present or future. The past in the other galaxy overlaps with the present on our planet. The present in other galaxy will not be experienced on earth until the future (Einstein, 1955).

Time is perceived and experienced. It is something that exists and therefore it must have energy and wave function, which entangles with motion, velocity, gravity, the observer, and the quantum continuum, which encompasses space-time. Significant work by Einstein, Godel, George Gamow and Pythagoras theorized that time move in circle where future events lead, cause and affect past and present events (Joseph Rhawn G., 2015).

5.1 Nonlocality and Entanglement – ‘Spooky Action from Distance’

Non-locality is object’s ability to instantaneously know about the state of other object even when separated by large distances, even billions of lights years away. This phenomenon occurs due to entanglement whereby particles that interact with each other become permanently correlated or dependent on each other’s states and properties. In course of such entanglement, they even lose their individuality and start behaving as the single entity (Mastin Luke, 2009).

Entanglement between photons can be seen before the second photon even created or exists. Photons that do not exist can affect photons, which do exist, and photons, which no longer exist, and photons, which will exist (Megidish et al, 2013). Einstein theorized this phenomenon and called it as the ‘spooky action from distance’. All his life he stayed dubious about it and could not find any evidences to support the theory. Very recently, researchers from National Institute of Standards and Technology (NIST- U.S. Department of Commerce) with researchers from several other universities have published their study based upon their experiments on photon particles. As explained by them, their experiment results agree with quantum mechanics prediction of spooky action shared by entangled particles. Researchers in this study created pairs of identical light particles or photons, and sent them to two different locations to be measured. They found that the measured results not only were correlated, but also—by eliminating all other known options—that these correlations cannot be caused by the locally controlled, “realistic” universe Einstein thought in which we lived. This implies a different explanation such as entanglement (NIST Physical Measurement Laboratory 2015). Entanglement therefore, can be considered as the proven property of particles which enable them to entangle and behave with response to stimulus they receive from each other in non-local space-time.

5.2 Time Dilation

Another prediction of relativity theory says that time and space is subject to dilation and contraction due to distance, gravity, and acceleration. Acceleration contracts space-time thereby decreasing the distance between the future and now (Einstein, 1905, 1961; Einstein et al., 1923; Lorentz, 1892, 1905). When something moves near the speed of light, time starts to move slower causing time dilation in observer’s reference frame. The twin paradox explains this phenomenon more comprehensively.

“If one twin leaves Earth and accelerates toward light speed, that twin will arrive in the future in less time than the twin left behind on Earth (since more time passed for that twin whose clock ran faster). By contrast, because it took less time for the time travelling twin she does not age as much (since her clock ticked slower) whereas the twin left on Earth ages at the normal rate. Hence, the time travelling twin will be younger. It took her less time (clock ticks slower) whereas the twin on Earth took more time (clock ticks faster) to reach the same destination in the future. The time travelling twin arrives in the future more quickly.” (Joseph Rhawn G., 2015).

6. Consciousness Theory of Occurrences and Access'Ability (CTOA'A)

Through this research I hypothesize that consciousness, despite being highly subjective in nature, can be measured. Nevertheless, we need a different approach to measure it. Despite the fact that every particle in cosmos has consciousness, for the sake of specificity, we are considering human consciousness for this study.

Three fundamental characteristic of highly conscious human beings are:

1. They have great memory. They can retrieve most of their experiences anytime anywhere they need.
2. They are plethora of information. They know the fundamental reality of life by being aware of reasons behind most of the things happening around them.
3. They are visionary, can envision the future very effectively. Other than using their experience and senses, they also use intuition to create exact picture of future.

Concisely, we can say that highly conscious humans are aware of their past, present and future. This ability helps them to take better decisions and contribute greatly to their overall well-being. How we humans develop this great characteristic? To answer this, I propose 'Consciousness Theory of Occurrences and Access'Ability'. Theory emphasizes that primarily, it is important for us to believe and understand that consciousness manifests in form of occurrences. Occurrences can be defined in terms of all the events, actions, moments, incidences and experiences human may or may not directly encounter, feel and sense. When they occur they are considered to be born in human's specific space-time coordinates. As all creatures after taking birth, move into their relative space and time, occurrences also float and travel into the specific reference frame of the creature. However, unlike other physical objects, these occurrences do not die. They are immortal as the cosmos itself. Once they occur, they exist, float or move forever in the universe. It is these events which human brain accesses all the time to produce consciousness.

Moreover, due to quantum mechanics principles of nonlocality and circle of time, these occurrences can be accessed in different times (past, present, and future), at different locations (space coordinates) by the creature. Time cannot be measured precisely by any human made clock and since it is subject to the reference frame of the creature, it cannot bind occurrences. Occurrences, which freely move in the universe, are eternal and can be available for access to all creatures irrespective of their space and time coordinates. It is therefore possible for creatures to get access to the events that have occurred back in the past or even those events, which have not yet occurred at all. All occurrences in universe are entangled. Other person can sense something happening to other person's life in different time and space. However, as observation creates the knot in wave function, if we start to observe this phenomenon the behaviour of occurrences might change. This is complex phenomena, dependent on creature's ability to access the occurrences. Still, as the principle of uncertainty applies the outcomes are never certain.

Consciousness manifests both in terms of occurrences registered or unregistered (noticed or unnoticed) by the human brain. The human brain, when it encounters occurrence with high intensity (extremely positive or negative), registers that occurrence quickly and strongly. That same occurrence then gets stored in person's occurrence repository system or 'ORS' which can

be imagined as kind of galaxy like structure surrounding her being. More than two third of galaxies, including our milky way have observed to have spiral shape structure. At the centre of the spiral, a lot of energy is being generated. Astronomers conclude that the centre of the Milky Way is a supermassive black hole. It is assumed that galaxies of all types, forms and shapes have black holes in their centre (NASA Science Astrophysics, 2016). As millions of planets and stars revolve in the orbit of galaxy bound under great force of gravity, the occurrences also orbit around human body bound under one force, get pulled into the human brain to be further processed to generate the conscious experience. Nevertheless, there is a little contrast here. It is assumed that when strong energy of supermassive black hole in the centre of galaxy pulls in objects, swallows them, and they consequently disappear into unknown cosmic space-time. In contrast, occurrences in creature's ORS never disappear or die. They are used by brain to produce consciousness and then restored back into the system. They are immortal and stay alive forever even after death of the creature.

ORS can further be divided into - registered ORS, the conscious state (occurrences directly registered), and unregistered ORS (occurrences happening around but not being directly registered), subconscious and unconscious states. There is number of events that stay unregistered but as they exist, they may affect human's consciousness experience in many different ways, in different times.

I assume that there are more than just electromagnetic fields, which surround conscious creature's bodies. There is possibility that we human beings are surrounded by fields, which along with some special force like gravity enable our brain to access all the occurrences from respective ORS(s). Occurrences create memories, which are said to be stored throughout the brain as groups of neurons that are primed to fire together in the same pattern that created the original experience. In the core of it, the science of memory is still a mystery. According to this study (presumably), memories do not store in the brain at all. Memories are mere occurrences that human brain accesses at different levels of frequencies, depth and breadth from his own ORS.

Recent, strong and intense occurrences that human registers stay closer to her being (in spiral structure of ORS) and therefore they are easier to be accessed by brain repeatedly. Whenever person encounters occurrence similar to one she experienced in past, her brain fetches that similar past occurrence immediately in form of memory from her ORS. For example, a girl smells rose and her brain immediately fetches occurrence when her first crush proposed her with a flower that had similar smell. It is her memory, past occurrence accessed by her brain. With time, the human keeps adding more occurrences to her ORS, some occurrences fade due to lack of rehearsal and access by brain and some get stronger and stronger as brain accesses them more frequently and deeply providing them close proximity to one's self. Cases like memory loss, dissonance and other mental disorders related to memory are all caused when specific part of human brain, responsible to access occurrences get injured or damaged possibly due to ageing, accidents or other reasons.

According to this hypothesis, brain (of those creatures who have it) is kind of enabling device designed by nature with highly complex structures that help it access occurrences from ORS(s).

Brain is like a transistor, the analogous device that accesses occurrences at different frequencies in space-time producing conscious experiences of various sorts. Significance and relevance of all established scientific discoveries on brain structures remain intact here. Only thing proposed is that consciousness is result of human brain's 'ability' to 'access' 'occurrences' from her ORS and sometimes from beyond her own ORS, in different space-time. Creatures having no brain do use different sensory receptor and response system to produce conscious experiences.

Although this theory is still in its hypothetical stage, it can still be expressed in terms of simple equation –

$$c(f) = o * a' a$$

c stands for experience of consciousness; o represents occurrences in form of events, actions and incidents; a'a stands for access-ability (ability of a creature to gain access to occurrences in non-local space and time). The limits of this function can reach to infinity (∞) due to non-local, infinite nature of cosmic space-time.

This theory also helps us to understand why humans experience some very strange phenomena. As explained earlier, human brain is capable to access even unregistered occurrences from person's own reference frame (space-time) and from the reference frames of other creatures. When brain accesses occurrences from person's own ORS in his future time, it causes her to experience phenomena like precognition, premonition, dreams, intuition and dejavu. On the other hand, when her brain accesses occurrences from other person's ORS in similar or different space-time, experiences of paranormal, reincarnation, telepathy, past life memories, and communication with dead are generated by his consciousness.

7. Intuition, Precognition, Premonitions, Dreams and Deja Vu

In actual terms, consciousness is creature's ability to use past and present information to shape actions in present moment for future outcomes. However, it is not just available information that we always use to take decisions in life. In order to take decisions, we use a lot of intuition, which is another kind of mystery in science of psychology. What is intuition of feeling of gut? Human brain accesses the occurrences from her future or unregistered present or past, from places she never has been to and this tendency of human brain causes intuition to occur. Occurrences, like subatomic particles exist in different eigenstates, in superposition, entangled in past, present and future.

I know of an incident when one day a woman asked her husband not to park the car under the tree where they would always park their car. When her husband asked for the reason, she said it's just what she does not feel right at the moment. As she insisted husband decided to park car at some other spot. The very night, that tree got knocked down during lightning. In the morning, they saw the huge tree lying on the ground exactly where they would usually park their car. In our personal lives, we get sort of similar intuitive experiences, which we do not know where they are coming from but we just sense them. Intuitions come from future set of occurrences that

human brain accesses in so-called present. Future is already created by universe in non-local space-time. Quantum physics and relativity both predict that future exist before it is even experienced. All futures however are entangled with space-time, in the frenzied activity of quantum continuum, and subject to the uncertainty principle. Its mere an illusion that past present and future are distinct as there is no universal now. As predicted by Einstein in his field equations, space-time may be a circle such that the future leads to the present and the past which leads to the future, thereby creating multiple futures and pasts and which allows information from the future to affect the present. (Joseph. R. G., 2015). This however does not violate or challenge the law of 'free will'. Future does exist in past but in all possible states and probabilities making the law of uncertainty apply stronger.

Same laws apply to what we call as precognition and premonition. Precognition, a form of conscious cognitive awareness involves the acquisition of future knowledge just prior to its occurrence. Premonition on the other hand is a form of presentiment or an emotional feeling that something may happen in near future, but without conscious knowledge of exactly what it is going to happen. Both can be considered as the forms of quantum entanglement (Radin, 2006; Bem, 2011). Some people have tendency to experience such states more often and clear than others. Their brains are naturally wired to perform such activity at that different level. Now, how brain gets naturally wired? How and why is every brain's capacity different? The answer might be hidden in the design of human DNA that is not just inherited from the parents, but changes with response to the environmental conditions person surrounds with. Design of DNA is what makes every person a different unique entity. Then comes the nurture effect. It is said that human brain is just like human body having muscles and tissues, which build up strong when more pressure is exerted on them. When person keeps recollecting memories or visualizing, she builds her brain's capacity to access the occurrences more strongly and frequently than others do. This is the reason why some people are better strategic thinkers than others are. They are more successful as they can envision future possibilities in form of opportunities and threats.

Déjà vu is the conscious experience of having experienced the event just moments before the event takes place. For example, a girl has been waiting for the bus at bus stop and bus just arrives. Girl enters bus swipes the card and senses this is what she has exactly experienced before. Same bus, crowd, driver, same time in the watch. How can that be possible? Well, something like this I think we all experience at least once in our lifetime and this is what is called as déjà vu. I believe it very much, a quantum mechanics phenomenon allowing brain to access the future occurrences in present period. Similarly, dreaming can also be considered as the part of the same doctrine. Reality in dream is characterized by all possible outcomes juxtaposed in past, present and future. In April 1965, less than two weeks before he was gunned down by an assassin's bullet, President Abraham Lincoln dreamed of his own assassination (Lamon, 1911). The future and past occurrences exist in various overlapping locations in space-time and are in motion. Human brain therefore occasionally accesses these occurrences causing a person to experience such mysterious phenomena.

8. Paranormal, Telepathy, Reincarnation, Past Life Memories, and Communication with the Dead

Many real life human experiences can be used to explain how people experience the paranormal activities. There are instances where people reported to have seen cloud like images of humans who have already died (they call these images as spirits), heard strange voices, cries, screams, and laughter; dead people helping them or scaring them. For example, Doug Dillon in his book 'Carl Jung, Hauntings, and Paranormal Coincidences' (2014), explains that in summer of 1920 Carl Jung was invited for the series of lectures in London. For his stay, his friend arranged the cottage for an unreasonably cheap price. One night when Carl was lying in the bed (sleepy but not exactly sleeping), he found himself not being able to move at all. The room seemed stuffy and some sort of bad smell filled the air. Over the period of few days, not only him but also even his friend experienced spooky activities like loud noise, rustling, creaking, and knocking around the house especially during nights. Throughout his book, Dillon shares how Carl in his life, experienced similar sort of paranormal incidents in different times and places. It was quite frequent and usual for him to experience such activities.

"I got the impression that I was communicating with my mother after her death, at first hearing her voice in my left ear. I could have chalked it up to my imagination, except that there were many evidential aspects to the communication" (Emmons & Emmons, 2003). Emmons in many of his writings has shared his experiences of paranormal. Many people have claimed to communicate with the dead. Reincarnation experience is another such mystery. In the essay 'Ian Stevenson and Cases of the Reincarnation Type' (2008), Jim B. Tucker explains how Ian explored about unusual behaviours in a series of Burmese children who reported to live as Japanese soldiers, killed in Burma during World War II. His study includes many similar evidences of people claiming their lives as reincarnation. Similarly, there are claims that with the help of hypnosis it is possible to investigate purported past and future lives (Paul F. Cunningham, 2009).

Telepathy which is defined by F.W. Myers as "the communication of impressions of any kind from one mind to another, independently of the recognized channels of sense" (1903) is another human experience that is difficult to logically understand. I quote here one my own experiences. I moved to the United States of America (USA) in February 2016. In the month of April, one night at about 4 am I had this dream that my father, who lives in India, is telling me that now I must come back to India. He was very sad, and insisting me to be back as soon as I can. I felt so strong that I immediately woke up. Right away, I rang my father in India who was living about ten hours ahead to my time in the USA. He said, "... ask your brother, I was just telling him that Maryam (my secondary name) should now come back, I miss her very much these days. My heart cries for you my daughter." The matter was that my younger sister moved that very day to Saudi Arabia and my father was strongly missing me. I literally had no idea that my sister was moving that day. It was her urgent plan and she did not inform me at all. Nobody in my family did. I had talked with my father very recently and he was quite normal (as usual, he was talking about importance of religion). By no means could I have had the impression that he could miss me so bad that night (his day). It was moment of enlightenment; as if universe is giving me clue,

about how exactly one experiences the telepathy. It was the period when I was reviewing the literature for this research and right on time, I got one experience of my own that I could quote in my paper.

How is this possible that one person living thousands of miles away, in different time zone can communicate his feelings to his daughter by sending message in her dream? This is how actually consciousness works according to CTOA'A. Human brain accesses the occurrences from the ORS of other humans irrespective of specific space-time considerations. As I mentioned earlier, intense occurrences have stronger presence and as they live forever in universe, they are accessed by human brains in different times and locations. For example, in cases where people reported of having seen kind of evil spirits, I believe that those spirits were people who died in kind of very unpleasant circumstances. Negative occurrences happened that time remained at that place, no wonder they could also be experienced at different place due to the nonlocality principle. Cases of claiming reincarnation are mostly reported in small children. It is possible that children's' brains are able to access event by event occurrences of people who died many years before. In telepathy the same way, person's' brain accesses other person's' occurrences that might be as simple as just a feeling (as feelings occur). The theory sounds little complex but if understood and applied correctly, it simplifies many unsolved mysteries.

9. Philosophy of Spirituality

Finally, I would like to throw some light on 'philosophy of spirituality', and how it supports the CTOA'A. Let us take into consideration the law of 'Karma' that surmises that for every action there will always be a reaction. Like an echo, actions create a ripple in universe and have definite consequences. Actions become occurrences, they are strong, generate and carry energy that might be unknown to the world of science. Therefore, when they carry energy, they might also carry some form (matter) as per the principle of duality in relativity physics. Every action, every occurrence, what we do, say, sense, think, and feel, stay in universe forever in nonlocal space-time. One of the fundamental properties of cosmic universe is 'balance' that is applicable from largest bodies (like stars, planets, mountains, oceans) to the tiniest creatures like atomic and subatomic particles. Creatures die so that others could take birth and accommodate in physical space-time. Days come to enable creature to work and nights fall to put it on rest. Summer-winter, sleep-wake, prey-predator, love-hatred are all examples of nature's balancing mechanism which is not only the philosophy but also the law of science.

'Give the world the best you have and the best will come back to you', is not just a spiritual statement but it is science of philosophy. Through intentions, we shape our actions. Intention itself is an occurrence. The moment you intend, it takes form of an occurrence, shape your actions, which produce more and further occurrences. Positive intentions produce positive actions and negative produce negative. These positive occurrences keep getting stored in creature's ORS, around her body and generate effect of highly strong positive energy. This energy has kind of magnetic effect that attracts and pulls people toward the creature. This is nothing but what is philosophically called as the 'aura'. Opposite happens in case of wrong

intentions. Negativity of intentions, thoughts and actions make people toxic, nobody likes their company. Negative energy generated by them pushes people apart from them; all they attract is further negativity. Much of the literature in spirituality points out the significance of positive actions or deeds due to their impact on individuals, groups, communities, and on entire world at large. There is great emphasis on the thought that it is only living beings who die, actions never die.

10. Philosophy of Consciousness

Stanford Encyclopaedia of Philosophy describes consciousness from philosophical viewpoint in very comprehensive manner. Consciousness can be classified as the 'creature consciousnesses', 'state consciousnesses', and 'consciousness as entity'. Any cognitive system including humans and animals are said to be conscious if they simply are being the sentient creatures, capable of sensing and responding to its world (Armstrong, 1981). In addition to this, the creature needs to be awake and normally alert, self-conscious, and just 'what it is like'. With regard to 'what it is like' doctrine, bats are conscious because there is something that it is like for a bat to experience its world through its echo-locatory senses. We humans from our viewpoint are unable to understand emphatically what such a mode of consciousness is like from the bat's own point of view (Nagel Thomas, 1974). Creatures are also subject to the conscious state, transitive and intransitive notions of consciousness in order to qualify to be called as the conscious creatures. The state consciousness category explains the importance of various states one is aware of, the qualitative experience (qualia, the raw sensory feels), phenomenal states, and narrative and access consciousness. Consciousness is an entity and according to this thought, consciousness is not a substantive entity but merely the abstract reification of whatever property or aspect is attributed by relevant use of 'conscious' as adjective (Stanford Encyclopaedia of Philosophy 2004, 2014).

11. Conclusion

The cosmos is full of mysteries, more than we can even imagine. We human beings are one of the creations of nature, just tiny part of universe of infinite possibilities. No doubt, with our intelligence and superior skills, we explored world around us and made it better place to live. By nature, we are curious; we question, explore and find solution to our problems. Nature wanted us to find solutions of our problems by ourselves and therefore it created us that way. However, human's intelligence and skills are limited. Our eyes are able to see only visible light. We do not even know how many more types of light exist in cosmic space-time. Similarly, we cannot listen to all the sounds. We cannot feel and sense all that is happening in the cosmos. Nature has given us sufficient intelligence to explore and develop what is important and significant to our survival on this planet. Human developed 'science' as a great tool to explore and discover many important enablers which helped humans to live and survive on planet earth. Many things and aspects however, science itself has failed to explain.

Think about these terms - junk DNA, black holes, dark matter, dark energy, and hard problem. Dark matter and energy are types of matter and energy in cosmic universe, properties of which are still unknown to humans. Cosmological observations have discovered their presence but no one could ever understand what they actually are. Junk DNA is kind of genomic DNA that does not encode proteins. Its function is still unknown to the world of science. In simple terms these are those things or aspects that science failed to explain on the basis of measurement and testing and therefore, scientists labelled them as junk, black, hard, and dark (black holes and hard problem are explained in earlier sections of the paper). This research is proposing a revolutionary theory of consciousness, based upon hypothetical assumptions named as 'the Consciousness Theory of Occurrences and Access'Ability'. In first place, it sounds strange as how can you imagine occurrences floating around a person's being. However, this is what the substance is. Consciousness is a subjective experience, part of cosmos of infinite possibilities, characterized by principles including nonlocality, uncertainty, and entanglement where all events are entangled in circle of time. Now the question is that if occurrences float in a way that is described by theory, how can we observe, trap, and measure them? Well, for that we need more investigation. Who knows, maybe answer is hidden in mysteries of junk DNA, dark matter, and dark energy. There is possibility that dark matter particles are nothing but occurrences and dark energy is energy of all actions. Junk DNA might by factor that enable human brain to access these occurrences (presumptions, but possible).

Further consciousness research needs consistent curiosity, methods and tools that are more appropriate and suitable to study the subjective properties of consciousness. Already existing tools, technologies and methods have all failed to achieve success in defining consciousness from the perspective of science but I believe what David Hilbert strongly believed - 'we must know, we will know'. This research provides entirely different perspective to study consciousness and I believe that if more time and resources are invested, with this theory we can discover many useful aspects of this discipline. This theory explains itself on not only philosophical grounds but also uses whole lot of scientific principles, which support the hypothesis. Scientific domains of neurosciences, psychology, quantum physics, and Einstein's theory of relativity have been used to establish facts and assumptions. Applicability of theory can easily be understood through strange experiences humans encounter on frequent basis. Premonitions, precognitions, dreams, dejavu, paranormal, telepathy, reincarnation, past life memories, and communication with the dead are examples of those experiences which are really strange but can easily be understood and explained with the help of this theory.

We are humans, curious creatures, we need to know more, we need theories to further explore, and develop practices, which can contribute to well-being of humans at large. Nevertheless, we will have to accept that we are humans, part of cosmos and not the creator. We are limited in our mental and physical abilities and therefore might not be able to know 'all' of it. Giordano Bruno, the Italian philosopher, mathematician, poet and astrologer was sentenced death punishment in the year 1600. He was found guilty of questioning catholic school thoughts of cosmic universe. He discovered and hypothesized very first time that stars are distant suns surrounded by their exoplanets and it is possible that these planets have ability to foster life of their own. His hypothesis later provided the base to hundreds and thousands of researches in physics, astrology,

cosmology and other disciplines. It takes just one idea, one person to believe what reality of something can be in this cosmos of infinite possibilities. I hope 'the Consciousness Theory of Occurrences & Access-Ability' will carve the way for many more researchers, scientists and philosophers to develop different perspective to study consciousness and draw useful findings.

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