

Scientific Explanations of Fear and Anxiety Relating to the Choice of Deity

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Abstract

Estrangement is one of the biggest causes of fear and anxiety in the 21st century to such a degree that individuals are failing to understand and identify the true self even in the big picture let alone within the complexity of psychology. East and West, physics and metaphysics, body and spirit, you and I and many more things are not only dragged apart from each other but also divided in its own nature. Non-sentient beings, including the human body, act upon built-in knowledge designed by the same super power behind the Big Bang to perform their finely tuned individual and collective actions completely free from oppression of one another. Human voluntary actions, on the contrary, are initiated by conscious knowledge, become apparent by actions that cooperated with built-in structure. Brain, mind and heart, in particular, are the places that the combined energy waves are generated, received and reflected depending on the values of individual perceptions and genetic abilities. Hence, accurate codes and coordinations are absolutely necessary for emotion-related unsteady voluntary actions to work in harmony with the automated ones. Individuals are free to choose their own deity but it is essential to have the same Deity to establish perfect consistency between the two systems and the Deity. Only then total freedom, equality and justice can be achieved voluntarily in line with the nature. Therefore, the book, '*Deity and Freedom, Equality, Justice in History, Philosophy, Science*', aims to draw attention to existent missing links between the innate and voluntary actions and offering scientific solutions. Arguing that the methods of the existing four types of '*energy wave end boundary behaviours*' between the different mediums can be used to assess the authenticity of the relationships between the chooser and the chosen deity, which is vital for human health, wealth, happiness and social relations.

Key Words: Deity, anxiety, peace, energy, power, freedom, equality, justice, psychology, biology, happiness, sadness, hope, fear,

Human beings are the only creations who need to learn how to control their own emotions and arrange individual and social life orders consciously. Their existence involves every aspect of life based on certain kinds of energy networks, seen or unseen. The entire existence, including human body and soul, are closely interwoven with finely tuned codes and coordinations, pre-programmed to work together in perfect harmony. Therefore, it is necessary for

humans to know all these already existing authentic structures to establish valid links with them consciously.

Predetermined beings are working from a base of total freedom, equality and justice, which are the vital key-factors for harmonious interrelations and a slightest disturbance in any one of these will lead to fundamental chaos in the whole existence. It is the same for consciously chosen human individual and social life orders. Any disturbance in the balance of freedom, equality and justice will be the first main source for fear and anxiety, which can lead to even bigger chaos in the big picture but especially in individual human health, happiness and social relations. Therefore, authentication is the vital basis in obtaining knowledge and choosing a deity to establish valid interrelations within the whole existence including human body, soul and spirit to be able to live a happy and healthy life in peace.

Depending on the scientific developments of time, authentic knowledge can be verified through practical experiments in one way or the other. However, justification of human individual or collective rationale remains as the most problematic issue as ever, even in the 21st century. In fact, uncertainties in human reasoning continue to be one of the main causes of fear and anxiety when it comes to identifying the boundaries of the basic life principles, even for self, let alone for others. Basic individual, mutual and universal values are necessary to set the foundation for life order but who is to decide what is right for whom. According to the predetermined systems the existing human beings are all equal, therefore, any human interference will naturally disturb the existing freedom, equality and justice not only within the self but also among others. Therefore, humans, consciously or unconsciously, turn to choose a deity or deities mostly among supernatural beings. Now, it is high time for human beings to choose their own deity on the basis of scientific authentication without disturbing the three key factors, which are vital for health and happiness.

To be able to understand this quite new and complicated subject well, we have to know the structure and the working system of the universe and the autonomous energy interaction behaviours between the 'Source Power' and the creations, as well as between the creations. We also have to know the history of human beings in relation to choosing a deity or deities and their immediate, retrospective and prospective effects on individuals, cultures and societies. Then, we will look into energy wave end behaviours on meeting with different mediums to demonstrate scientific justification for how to choose the authentic deity.

Physical and metaphysical worlds are powered, supported and run by an Invisible Source behind the Big Bang. The Universe

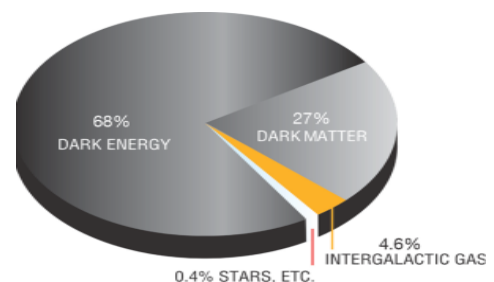


Figure 1: Percentages of the Universe

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contains 68% of Dark Energy, 27% of Dark Matter, 4.5% of Intergalactic gas and 0.4% of Stars as atomic beings that are made up of molecules and cells.¹ Existence in this dimension is acting in harmony due to a pre-programmed system, which bonds each entity within itself, with its surroundings and with its own source, the cosmological constant,² and to the power of the highest intellect, the Deity. Actions in this system take place in relation to time and space, in an interval of generating and degenerating spans. The level of these interrelations depends on the number of atoms in the substances and the gravity ratio between them.³ It has such a perfect energy network in which even the slightest disturbance is not tolerated.

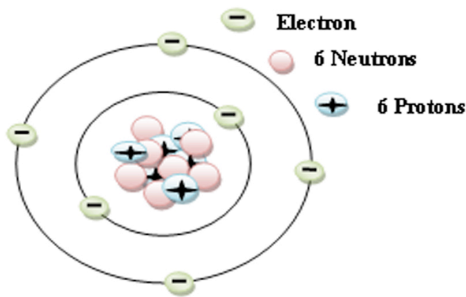


Figure 2: Basic Units of Matter.
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Before the 19th century atoms were accepted as the basic units of matter but their structure was unknown. At the beginning of the 20th century Ernest Rutherford (1871-1937) who was working on atomic radioactivity

“...found out that almost all the particles pass through the gold sheet with little or no deflection...however, an occasional particle bounced back. It must have struck something very dense indeed...Most of the radioactive particles pass freely through the nearly empty space that makes up most of the atom, but a few particles happen to strike the dense mass at the centre and rebound.”⁴

In his model, negatively charged orbiting electrons had mass. The positively charged dense nucleus at the centre was made up of two types of particles - protons and neutrons - and the number of protons determined what element that atom is. In addition, the electrons orbiting with the speed of light make the nuclei appear to be surrounded by clouds.⁵ Now, we know that matter is composed of atoms that have two numbers. One of them is called the ‘atomic number’, which defines the charge of the nucleus, and the other is called the ‘atomic weight’, which defines the mass that determines the behaviour of the electrons.⁶

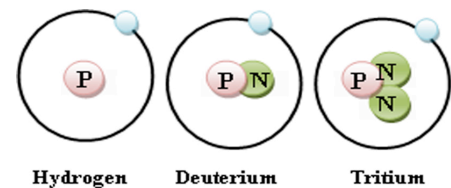


Figure 3: Atomic Numbering.
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Generally, numbers of orbiting electrons are equal to the numbers of protons in the nucleus, which neutralises the atom *“when an atom contains different number of electrons than protons, the atom is called an Ion. The process of creating an ion is called ionization.”⁷* However, the number of neutrons may vary even in the same elements, which are called ‘isotopes’, enabling transformation from one element to

another. Each radioactive isotope has its own disintegrating (decaying) time to transform from one stage to the other, which is called 'half-life'. Niels Bohr (1885-1962) demonstrated that, when an electron jumps from one energy level to another level 'spectral lines' occur; this discovery is now used to estimate the age of elements. This is another universal law that leads to another leap in science to Quantum Mechanics.

Spectral lines are used to estimate the beginning of existence and the age of matters. Big Bang is said to have taken place approximately 13.7 billion years ago. This was also the beginning of time and space in the dimension that we live in today. However, the entity of the first 10^{-43} second, 'the inflationary epoch' of the Big Bang was infinitely dense atom-size at the beginning but it had the biggest increase in size from atom to orange size at the time of 10^{-32} second. The heat reaction could not be measured owing to its intensity, even with the most advanced technology. At first, the four forces of nature, strong and weak nuclear force, force of gravity and electromagnetic force were not separated. They were combined as one unit that is known as 'singularity'. At the time of 10^{-6} the cooling started to take place, quarks begin to clump into segments and the nuclear gas cloud began to appear. By the time of 3 minutes, the universe seemed to be a clump of fog, which was the time for radiation to begin turning into matter.⁸

Even though gravity and light worked hand-in-hand from the beginning, before the formation of matter, light was not visible. About 300,000 years after the Big Bang matter started to form and the light began to hit it and reflect back. Therefore, light needs matter to be visible; matter needs light to be visible. Surely, waves need matter to hit and reflect back in the dimension of the universe that we live in. The length of the light waves between the source and the matter depend on the density, distance, temperature, characteristics and the shapes of the matter.⁹ Waves have their own universal laws, as does gravity. The human physical body is matter. Therefore, it is included in the automatically ruled and regulated category of the like, obeying the laws of gravity and light separately, as well as the combined laws that work together.

On the other hand, spirit has an undetermined free will system alongside the determined form that can be controlled by human free will consciously, able to receive incoming energy waves evaluate them and send them out towards the intended targets. However, authentic codes and coordinations are necessary to have valid connections and correlations to be able to receive correct amounts of energy from the source and the others, and reflect them back correctly. Thus, the existence of free will can facilitate or impede human beings in choosing, motivating and controlling of these energy levels between the self and others, including the Creator. The point of free will is closely related to the choice of deity, the unification of body, soul and spirit, the interrelation with others, human or non-human. There are energy wave connections between the Creator and the creations as well as among the creations. This is another universal law that includes gravity

and light waves, which establishes the necessary interconnection to hold all existence together as one unit.

A wave is a travelling disturbance going through a medium. It experiences local oscillations and a regular periodic value that gives information about the character of the medium. This periodic value changes while the disturbance is passing through from one medium to another. We have to remember that particles in the medium stay constant in their places whilst energy in the waves moves along. There are low and high-energy waves with the ability to carry the energy from one medium to another depending on their strength and they can also travel in opposite directions, collide with each other, and can be absorbed or reflected back depending on the character and the position of the boundary or the barriers that they come across.

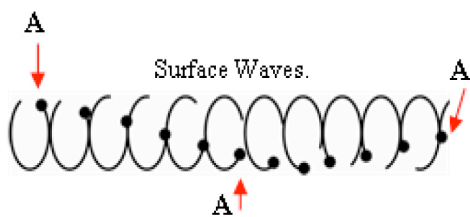


Figure 5: Wave movements.
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waves have ‘nodes’ at the point of each ‘A’. Each turn creates a loop and the half-way point is called ‘anti-node’. Thus the string of harmonic loops is created. A supposed straight line between the loops going through the nodes is called ‘equilibrium’. The point where one medium ends and another medium starts is defined as the ‘boundary’ and the behaviour of the wave at the end of a medium is referred to as the ‘boundary behaviour’. The boundary behaviours are categorized as the fixed end reflection, free end reflection, and the transmission of pulse at the boundary from less dense medium to a denser medium, or the transmission from denser medium to a less dense medium. All kinds of waves, including water and light, have the quality of having reflection, refraction or diffraction.

Energy flow in bio signalling is achieved with the combined action of positively charged protons (+1) and negatively charged electrons (-1), and the neutrons (0) to balance them. Energy flow in waves is achieved with the combined interaction of the ‘positron’, also called anti-electron or positive ‘electron’ that has positive charge and the electron has negative charge and all are balanced with the ‘neutrino’ that has neutral charge, which is from the family of neutral leptons.

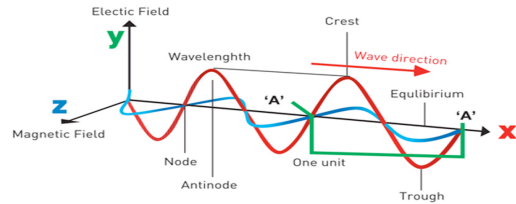


Figure 4: A Diagram two waves travelling on the same medium.
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“The energy of photon ‘light’ depends on the radiation frequency; there are photons of all energies from high-energy gamma and x-rays, through visible light, to low energy infrared and radio waves. All photons travel at the speed of light. Considered among subatomic particles, photons are bosons, having no electric charge or rest mass (zero) and 1/2 unit of spin; they are field particles that are thought to be the carriers of the electromagnetic field.”¹⁰

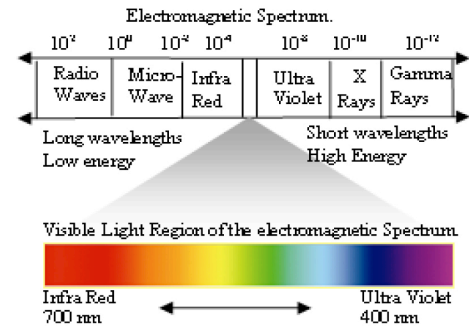


Figure 6: Visible and invisible light waves.

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Energy force in the action potential generates the level and strength of the communication between the brain and body, determining the end behaviour. Value of an intake at first instant will determine the level of chemicals (neurotransmitters)

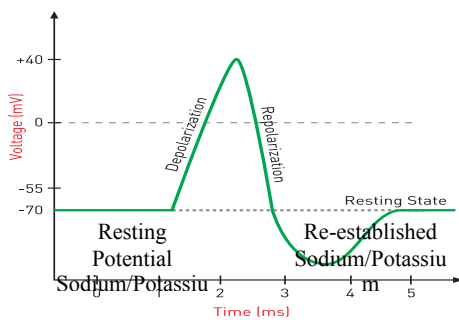


Figure 7: Action Potential.

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released into the system. Thus, the behaviour of the beginning will determine the behaviour of the whole neurobiological system and the end result of the behaviour. It will carry on and on until the behaviour of the free-willed input is changed, then the output will be changed accordingly. This is the only place where the freedom of choice in determining energy behaviour is involved.

In proportion, comparing the free will to the rest of the automated system, it is almost next to nothing, however, it is a fundamental vital point that it can determine the behaviour of the whole system to a certain level. It does not only affect its own biological, psychological, spiritual body, soul and spirit but also related actions can affect the other social interrelations. Therefore, we need to know the relationships of the first firing impact, which takes place in the cell bodies, in the brain, and the strength level of the neurotransmitters released into the synaptic gaps (cleft), and the capacity of the target cells whether they are able to take it in or not.

Neuron, once it is triggered by a stimulus of the negative electrical potential force, becomes positive and begins to produce waves of impulses, then,

“the depolarizing receptor potential spreads down the sensory neuron until it

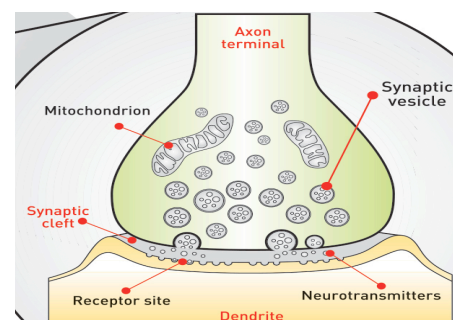


Figure 8: Synapses.

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reaches a specialized portion of membrane called the triggered zone; at the triggered zone the receptor potential is converted into action potentials, the number and the frequency of the action potentials is directly related to the amplitude and duration of the receptor potential - and the amount of neurotransmitter released at the axon terminals of the sensory neuron is a function of the number and frequency of action potentials generated.

Some neurons such as those that release the neurotransmitters dopamine or serotonin (neurotransmitters that effect mood, arousal and our sense of well being) fire action potentials spontaneously and continuously (1 to 20 times per second), producing a steady stream (tonic release) of neurotransmitter. Other neurons...require the action of excitatory synaptic inputs in order to bring them to their firing threshold.”¹¹

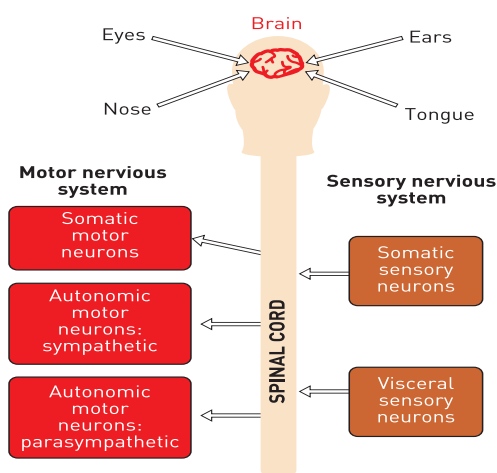


Figure 9: Nervous System.
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counteracted by the effective inhibitory forces.”¹²

Unity, in acting together between the two nervous systems, is as vital as in the other areas of existence. Every single part of the body needs to be working in a free, equal and just manner without oppressing each other. They do not interrupt the work of the others, are not interrupted by the others and have no resistance to working in cooperation, as it should be. However, in the case of an emergency, certain vital points are fused with extra sensitive and flexible systems. For example, the ‘pyramidal neurons’ in the forebrain structure and the ‘Sino Atrial Node’ (SAN) in the heart structure

Neurons in the peripheral autonomic nervous system have repetitive firing rates that are called ‘inhibitory neurons’. They have impulses in steady stream waves and they are usually placed in the brain and in the spinal cord. Neurons that are in the peripheral somatic nervous system need stimuli to reach the firing threshold rate. They are called ‘excitatory neurons’. The level of the stimuli, voluntarily controlled, will determine the level of strength, speed and force of the wave impulses in the action potential. However, the “*Proper dynamics in neuronal network can only be maintained if the excitatory forces are*

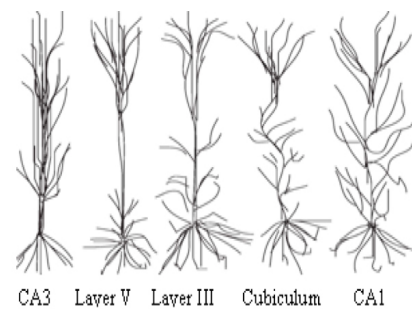


Figure 10: Examples of the Pyramidal neurons.
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work as the ‘potential pacemakers’ within the body. There are, in abundance, different types of pyramidal neurons found in the forebrain structures but not in the other parts of the brain, striatum, midbrain and hindbrain or in the spinal cord. They are excitatory cells that play important roles in circuiting, integrating, polarizing and depolarizing incoming excitatory and inhibitory signals. They sort and send the signals to all related and associated target compartments within the brain and outside.

Thus, the power of input is directed and diverted to many different related points that give time for the system to divert and balance the power of the input, saving itself from a sudden potentially threatening impact.

“In addition to being influenced by the strength and spatial location of the activated synapses, dendritic integration is influenced by voltage-gated ion channels, which are abundant in pyramidal neuron dendrites (Johnston et al.1996). The voltage-gated Na⁺, Ca²⁺, K⁺ channels in pyramidal neurons dendrites make the dendrites excitable, which means they are capable of nonlinear integration that includes a variety of types of dendritic action potentials... Other types of voltage-gated channels...include A- type K⁺ channels and hyperpolarisation-activated cation channels, (also known as HCN channels) ”¹³

Scientists state that there are around a hundred different types of chemicals released through neurotransmitters within the both, ‘CNS and PNS’ nervous systems. The most important chemicals are dopamine, (DA or DOPA); serotonin; acetylcholine, (ACh); noradrenaline; glutamate; endorphin and enkephalin. The types, amount and the speed of the released chemicals depend on the information input collectively from the sensory organs and conscious mind, assisted or hindered by individual genetically characterized ability and aided by the inhibitory motor neurons if they are not physically disabled.

Low levels of ‘dopamine’ in the body lead to Parkinson’s disease and high levels of it to schizophrenia and hallucinations. ‘Serotonin’, (5-hydroxytryptamine, 5-HT), is known as ‘the feel-good’ chemical, and low levels can cause severe or mild depression, panic and fear depending on the level. High level can cause artificial tranquillity and optimism, which can create a risk of not being able to estimate danger. ‘Acetylcholine’ is involved both in the Central Nervous System and the Peripheral Nervous System and works as a neuromodulator. It *“is critical for communication between neurons and muscles at the neuromuscular junctions, is involved in direct neurotransmission in autonomic ganglia, and has been implicated in cognitive processing, arousal, and attention in the brain.”*¹⁴ Deficiency of acetylcholine in the brain affects memory and in severe cases it can

cause Alzheimer's disease. Outside the brain, it activates and regulates muscle movements such as heart rates, digestion, secretion of saliva, and bladder function. The chemical called '*noradrenaline*' is produced in the '*locus coeruleus*', which is a part of the brain that is called the brain's pleasure centre.

*"The activation of locus coeruleus neurons provides a central command that increases noradrenaline release in its multiple target regions, although noradrenaline release by locus coeruleus terminals is also controlled by local mechanisms. Noradrenaline has complex neuromodulatory effects on neuronal activity and it is essential for several cognitive functions."*¹⁵

It also regulates the reflex of 'fight or flight' response. Accordingly, it involves the heart rate, blood pressure and gastrointestinal functions as well. Thus, an unbalanced transmission will affect all of the related parts of the body owing to the miraculously calculated dose of interference to create the exact balance needed by the body.

The other chemical, "... '*Glutamate*' is the most prevalent excitatory neurotransmitter in the mammalian CNS..."¹⁶ and involves most aspects of normal brain functioning including cognition, memory and learning. The precise level and the time of the neurotransmission of glutamate are very important. High-level glutamate in the system, usually taken in through fast food or other means, can create a toxin called '*glutamate excitotoxicity*'. This alters the natural balance between the neurotransmitter release and the receptor, and the accumulated glutamate in the connection area kills the surrounding neurons.

Endorphin and '*enkephalin*', the major chemicals, are also known as the natural painkillers of the body.

*"There is thought to be a link between stress, the body's natural painkillers and the immune system. In 1975, it was discovered that the body makes its own natural painkillers, morphine-like substances called endorphins and enkephalins...Endorphins are found in the pituitary gland and, although their exact role in stress reaction is still unclear, several studies have suggested that they may help to mediate the body's response to stressful stimuli."*¹⁷

Enkephalins can be produced through meditation and by some other kinds of activities.

"The human body produces at least 20 different endorphins with possible benefits and uses that researchers are investigating."

Beta-endorphin appears to be the endorphin that seems to have the strongest effect on the brain and body during exercise. Endorphins are believed to produce four key effects on body and mind: they enhance the immune system, they relieve pain, and they reduce stress, and postpone the aging process...Recent studies have found that nutritional and biochemical imbalances, rather than lack of will power or character, may increase the potential for substance abuse. Specifically, alcohol and drugs give temporary relief for a depleted endorphin level, which is one reason why they produce addiction."¹⁸

Endorphin sounds very good for the health when it is naturally produced but, receiving too much too soon can also cause problems in coping with everyday life requirements.

Heart is the pumping centre of the circulatory system. Even though all the cardiac cells are automated, the heart's working system is influenced and affected by emotions through the level of the synaptic messages.

*"The beating heart ensures that every cell of the body has an uninterrupted supply of food, oxygen, and other essentials. So powerful is it that the heart can pump the body's entire blood volume of 5 litres (8.8 pints) around the body about every minute. On average it beats, or pumps 70 times a minute when the body is at rest, yet can increase this rate if the body is more active. Over a life time of 70 years, the heart beats some 2.5 billion times without tiring or stopping for a rest..."*¹⁹

Heartbeat works in a cycle, and the entire cycle is initiated from the 'Sino Atrial' (SA) node, which is the natural pacemaker of the heart's beat as mentioned above. The heartbeat cycle has its own electrical pathways within itself, independent of every other part. Electric pulse is initiated from the SA node and received by the Atria Ventricular (AV) node, which "is a small bundle of specialized cells located at the junction of the atria and ventricles. It is the only point where an action potential originating at SA node can spread to the ventricles."²⁰

There are two pathways going out from the SA node, the 'interatrial pathway' and the 'internodal pathway'. The interatrial pathway goes from the SA node to the left atrium ensuring the depolarization of the cycle. The internodal pathway

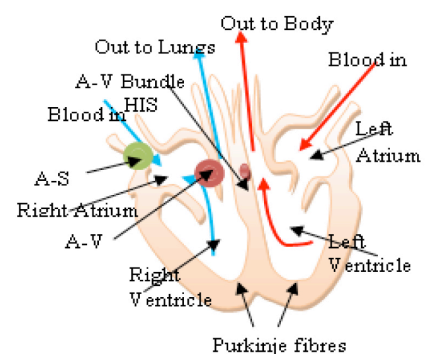


Figure 11: Heart Structure.
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is the action potential connection between the SA node and the VA node that sends the signals to a bundle of nerves, which are called ‘His’, after a brief delay to give time for depolarization. His, then send the action potential down the interventricular septum, to the nerves that are called ‘the Purkinje fibbers’, which are extended from His. Finally, the action potential sent from the SA node goes through the AV node to the bottom part of the heart and the action potential is repolarised throughout the ventricular myocardium and is ready for the next cycle.

It is amazing to see how every single cell is kept alive by the circulation of the blood pumped by the heart carrying to them nutrients and oxygen and taking away from them waste materials and carbon dioxide. It is obvious that any slight imbalance in the system can cause many types of problems according to its seriousness. Heart does not only regulate blood in the physical body but also seems regulate the unseen emotional feelings. We never refer to ‘broken mind or brain’ but we do have sayings of broken heart, as well as loving or hating from the heart, telling, feeling from the heart etc. We have a certain level of control in our minds but the heart can overpower and can control us. Therefore, it is the strongest and the most vulnerable part of the body, affected by emotions as well as mishandling of the physical systems. *“This year (2007) an estimated 700,000 Americans will have a new coronary attack and about 500,000 will have a recurrent attack. It is estimated that an additional 175,000 silent first heart attacks occur each year.”*²¹ So, there must be something drastically wrong in the handling of the heart. Could it be the absence of the instruction manual of the codes and coordinates to see how one could unite the voluntary actions with the automated ones to coordinate them correctly, which will let the heart be free from every kind of oppression from self and others to work in peaceful harmony within and without.

Every cell in the body has its own special working order to accomplish its own duty as well as cooperating, giving and taking, within the working order of self and the surrounding cells to accomplish harmony. This clearly resembles every individual being like a cell in the body of humanity. Every individual system in the body, like brain and heart, has its own individual working order in harmony within self and unity with the others. As long as they are not damaged or distorted in one way or another, they work perfectly in an automated manner. The important point here is that they all need energy impulses to stream through from initiation point to the target, polarizing and depolarizing. They also have pressure points in case of emergency to absorb or back up in extraordinary situations and have fuse points, diverting and spreading the power received in a wider area in case of a sudden shock.

What about the parts working under human free will, which may be too little in proportion but too powerful in effect? Have they the force to overpower the automated system, and if yes, how? This point alone proves that human beings are in need of authentic codes and coordinations for establishing valid links within the body itself to work in harmony. However, freedom, equality and justice cannot

ever be established correctly without the knowledge (revelations) from a higher intellect the same authority that has the power and knowledge above any created power and knowledge, including the voluntary actions. The planner and producer of all systems, the Creator, is called the Deity when instructing His creations how to act and He is called the Lord when He takes the full responsibility for looking after them while the system is working. Even though He knows the best for them in an absolute independent manner, He hands over a little portion of it to human free will.

Therefore, the meanings of Deity and the Lord are interwoven together, the Originator, the Creator, the Manager and the Caretaker, all in the One. Therefore, unity in the system can only be accomplished if it is managed by the same unified source of authority. None the less, human beings can only achieve the unity within self and others if they willingly choose to follow the fundamental instructions of the same source for their basic voluntary actions. Only then, can they have the correct pin codes for their actions to join the rest. After establishing the essential foundation, human beings can develop the required individual, social and environmental details according to their own needs, whatever, whenever and wherever they are. Otherwise, it is impossible to know or guess the coordinations of such a complicated system to unify within self, with others, let alone with the Creator, as the Deity.

Historical evidence indicates that human beings always had some kind of awareness about the existence of the Super Power behind all creation. However, they still tend to choose a deity or deities voluntarily other than the Creator unlike the rest of creation. Therefore, while the idea of the existence of a unique Creator remained constant, deified objects or people kept changing according to the necessities of the time and place in which human beings lived. Even certain objects like the sun, the earth, eagles, goats, or people as leaders were idolized, either voluntarily or at times by force. Nonetheless, they submitted themselves fully to the service of their chosen or imposed deity or deities while regulating their individual and social everyday life orders according to the values of the chosen deity or deities. Hammurabi, (1792-1750 BC)²² was the king of Babylon who laid down the first written social rules and regulations but we have no evidence that he was taken as a deity. However, there is plenty of evidence indicating that Pharaohs openly declared themselves as deities, using their authority to be obeyed fully. They ruled people under their unauthenticated knowledge and unjust authority for a long period of time, 3100 BC to 332 BC.²³

The meaning of deity becomes more visible in mythology with the concept of fantasized invisible deities. Cosmological self-imagined deity stories were used as the source of knowledge and authority to identify the self and customize cultures. Consequently, people, matters, objects, animals, myths, magic, dreams, certain ornaments and the products of human imagination became a deity or deities. Minds, cultural identities and life patterns were shaped, ruled and regulated under

the name of these deities, when in fact, they were the products of the thoughts and imaginations of human beings themselves. These kinds of unauthentic and unauthorized attempts for establishing interrelations between the conscious voluntary actions and the pre-programmed actions are not only bound to destroy freedom, equality and justice between them but also damage both systems by leaving the doors wide open for oppression, anger, division, chaos, fear and anxiety to flourish.

Philosophy, on the other hand, places the human rational intellect right in the centre and demanded that it to think, know, decide and act for its own sake alone. Yet again, it is idolizing its own self-devised personal rules and regulations. This gave individuals a chance to think and decide for themselves, which was very much lacking at the time. But, the necessity for authentic knowledge was totally ignored, which was essential for a valid relationship between the human voluntary actions and the built-in automated intellects. In the meantime, the appearance of so many different speculative philosophical approaches and the methods such as realism, idealism, mysticism and scepticism and so on were tearing people into pieces.²⁴

We now know that, an unauthenticated conscious intellect alone, no matter how wise, can not meet the authentic need of the whole existence to have a peaceful and perfect integration between the human body, soul and voluntary actions of every individual, let alone between cultures, societies or the Creator as the Deity. For example, Diogenes Laertius (400-325 BC) who consciously decided to give up reasoning altogether and lived like an animal on the street or Pyrrho of Elis (365-275 BC) on the other hand, who searched for reason alone in everything.²⁵ In these cases, the outcome would always be biased, which would create fear and anxiety that is simply due to the unjust oppression of an unauthentic authority, either on the self or on the others.

Revelations, on the other hand, share the same message about choosing the authentic deity and let individuals free to choose. Hence, the first commandment in the Ten Commandments states that *'I am the Lord (Rab) your God (Creator) who brought you out of Egypt, out of land of slavery. You shall have no other gods (deities) before Me.'*²⁶ The New Testament declares the same, *'Jesus said to him, "Away from me, Satan! For it is written: "Worship the Lord your God (Deity), and serve him only."'*²⁷ And The Qur'an says, *'Your deity is one only, there is no other deity (Ilah) but Allah, Who has the immeasurable mercy for the entire and the special.'*²⁸ Revelations with the same messages aim to establish the essential foundation for developing authentic and scientific knowledge to meet individual

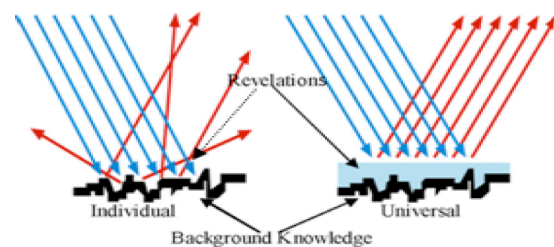


Figure 12: Diffuse and Specular Reflections of revealed Knowledge. © 2014, Shukran Publishing. Used with permission.

and universal needs for interacting with each other in the most perfect harmony.

All the revelations emphasise the importance of the authenticated knowledge, either coming from the scientific resources or the Creator, to establish a universally valid base for all human kinds to stand on firmly first. They will be free, equal and just in order to be able to take individual and collective voluntarily chosen actions while interacting with self, others and with the deity. The revelations aim to provide valid information to satisfy the uneven surface of individuality, on one hand, and to unite the basics of cultural and universal differences on the other. They also intend to hold basic authentic keys for codes, coordination and the necessary practical skills for combining and correlating the actions of both pre-programmed and conscious human voluntary intellects. When the knowledge of revelations from the Creator as the Higher Intellect is authenticated by science, then the maximum harmony and the minimum fear and anxiety would be achieved between the entire pre-programmed and voluntary energy networks.

Whether the human race came down from Heaven and spread from one mother and father or evolved from another human-like creature, they are in fact units of equals with similar strengths and weaknesses that only slightly vary according to genetic, physical, cultural, religious and environmental backgrounds. In fact, some of these differences are almost disappearing with the development of the Internet network in the 21st century. Whether this kind of network can be considered to be taking place of a deity or not yet needs to be studied. Nonetheless, this ultrafast and vast change in the world's life style is mesmerizing people more than ever before. At the moment, it is in its chaos stage like it was at the beginning of the universe. While the gaps in unknowns, about self and others are closing on one side, but the further unknown gaps are created on the other. Such assimilated but practically not yet understood information can cause excessive disturbance in human perception that is naturally reflects on every aspect of life.

While life journeys towards an unknown fixed destination, it also revolves around itself at the same time. This system is similar to the voluntary choice of deity. A fixed aim is necessary to have a secured lifeline equilibrium to follow during the unsteady emotional journey of life. Happiness, sadness, hope and fear are the basic driving forces behind the aims and objectives that involve every aspect of physical, psychological, bio-psychological and social life.

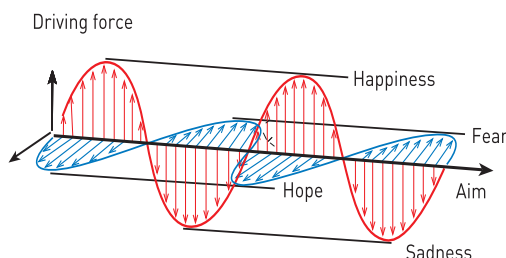


Figure 13: Basic Emotion Waves.

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Equal or non-equal, if any creation or creations with similar nature are selected as a deity or deities, it will cause serious destruction in the frequency of the energy network flow. This will result in psychological, biological and social disturbance between the chosen deity, the chooser and the

surroundings. They are all creations themselves and cannot be the genuine sources of happiness and sadness or hope and fear to fully satisfy the individual and the universal human needs. Besides, any uneasiness of feelings of indebtedness, desire for revenge, expecting favour, or fear from creations alike will put the energy flow between them under a tremendous pressure. To be able to understand this better we can now look into the involuntary energy wave end behaviours when they meet different mediums. The same laws apply within the human body and mind, the only thing is that some voluntary and involuntary actions are interwoven and the action potentials are triggered by free will that could affect the whole body, soul, spirit and the end behaviour as explained above. Therefore, the right choice of target and actions is necessary for the released energy waves to have balanced construction and positive end result for the well being of self and others.

When the actual authentic source is selected as the deity, there will be no disturbance in the network of energy flow, back and forth. Authenticated adequate amount of incoming and outgoing energy flow will strengthen the choosers to the maximum level possible. Then, there will be no energy distortion diversion or clashes that will take place between the pre-programmed and conscious voluntary actions. Now, we can look into the existing four types of 'energy wave end boundary behaviours', which scientifically explain these energy-transferring interrelations very well.²⁹

There is no human being who exists without a deity or deities to turn to, for thanking or seeking help to satisfy their own emotions like happiness, sadness, hope and fear. However, an unguarded sudden incoming energy shock can take place in every one, even in strong believers, which is compared here with the 'free wave end boundary behaviour'. Both 'constructive' (+) and 'destructive' (-) waves in the free end boundary behaviour can become the most destructive waves on the nervous system.

Once an unguarded positive 'happiness' or negative 'sadness' input energy signal enter through the senses, it reflects back with double strength, the higher the value of input, the stronger the reflected value will be. '...The restoring force (power that

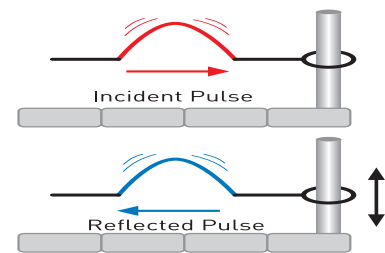


Figure 14: Free end Wave Behaviour.

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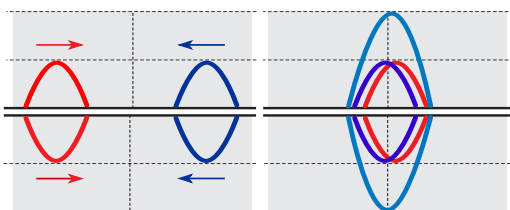


Figure 15: Positive and Negative Wave Interferences Before and During.

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works against the wave) is zero and the reflected (soft) wave has the same polarity...'³⁰

When a reflected pulse meets with the incoming incident pulse from the opposite direction on the same side of the medium, both values will be added up together but as soon as the waves pass each other, each will carry their own original value, and the sequence will carry

on until the waves reach their targets. If the reflected pulse hits the target when it is in its highest point on the same medium, joined with released incident pulse, it can distort or jam the system altogether depending on the level of their combined strength.

Therefore, waves intensified on the same side of the same medium are more likely to cause serious psychological and biological damage, becoming lethal at times. For example, Eymen, a Syrian girl running from the war in 2013, met a Turkish boy; they fell in love and got married. Two months later her brother, whom she had not seen for a long time, came from Syria and wanted to surprise his sister, telling everyone not to let her know about his coming. Unfortunately, Eymen's nervous system could not cope with so much happiness at once and she died there and then from a sudden shock when she saw her brother unexpectedly.³¹

Unlike the free wave end boundary behaviour, some power transmission can take place between the two different mediums, depending on the ratio of the density difference in between. In the case of choosing a deity that has a '*less dense medium*' than human nature, the transmitted pulse will carry some values of the incident pulse away but it will have some values left behind to return back. The value of both pulses will depend on the ratio difference between the mediums. Positive or negative, the reflected pulse will behave the same. The value of incident and reflected pulses will add up when they meet, but carry on with the same value of their own after passing through each other. Therefore, returning value (+,-) will always be more than the value of the first released incident pulse.

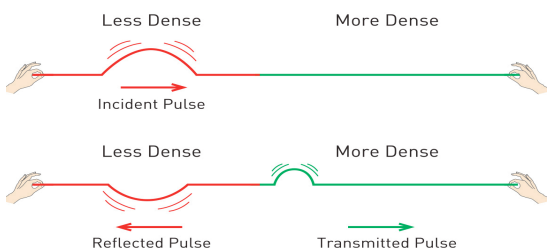


Image 17: A wave travelling from a Less dense to a More Dense Medium.

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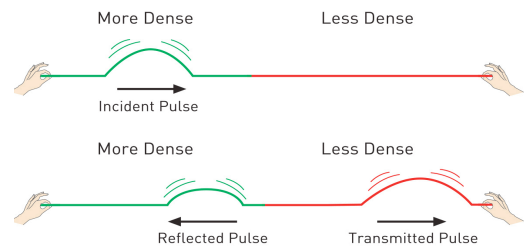


Figure 16: A wave Travelling from a More Dense to a Less Dense Medium.

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In the case of choosing a deity that has a '*denser medium*' than human nature it works in a similar way, apart from the position of the reflected pulse and the behaviour. The reflected pulse becomes an inverted reflected pulse after transmitting some of its value to the next denser medium yet again, depending on their density ratio difference. This time, due to the behaviour of inverted reflected pulse, the value of the higher pulse will be reduced by the amount of the lower pulse

when both pulses meet on the same medium but they will carry on their own original values after passing through each other. This will reduce the value of the incident pulse according to the value of the reflected pulse but it will never be fully

neutralized. In both cases, whatever and whoever the chosen deity might be, there will be some power transmitted and some returned back, adding on to the first released incident pulse, which will never allow total neutralization.

This means that valid communication codes between pre-programmed and conscious voluntary systems have not been completely achieved. The amount of interaction that takes place demonstrates the ability and the level of sharing work between the existing programmes. Unbalanced wave transmissions, either low or high, cannot assist the nervous system in a correct manner, especially synapses, to work in the most possible harmonic manner. In both cases, lower or higher energy flow, problems will arise and damage the human biology and biopsychology slowly and steadily in the long term.³²

The chosen deity and the chooser must both have fully validated capacities for the 'fixed end boundary behaviour' to take place. In our case, on one end, there is the Creator that no energy waves can go beyond, as He is the actual source of all kinds of energy waves and on the other end is the human heart that has the ability to go beyond all kind of reasoning. But, this is still a matter of debate, some scholars think that it is the 'mind'³³ as it is the first place that energy waves are triggered but more incline towards the 'heart'.³⁴ The heart is capable of believing in the Creating power even without seeing, hearing, touching or having any figure in mind, which is one of the distinct qualities of being the Deity. It not only, has the ability to receive and redirect the received energy signals to the actual source directly, but also has the ability to narrow it down, channelling it to the node connection, which can take place on the same equilibrium of the same medium so that time and space can disappear, alongside with fear and anxiety. The heart also has the ability to receive and reflect the secondary energy input coming through the senses depending on the individual varied level of knowledge, reasoning and believing.

Unlike the other wave end behaviours, the total balance of neutralization in the same medium can take place only with fixed end boundary behaviour: *'...Since the end is clamped, it cannot move...According to Newton's third law, the wall (end) must be exerting an equal download force on the end of string. This new force creates a wave pulse that propagates from right to left with the same speed*

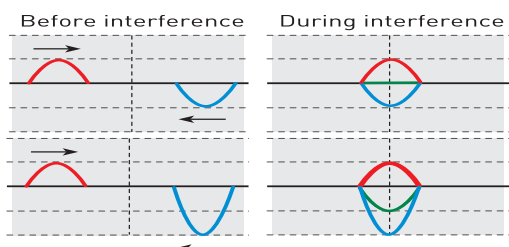


Image19: Positive and Negative Wave Interferences of Fixed End Boundary Behaviour.

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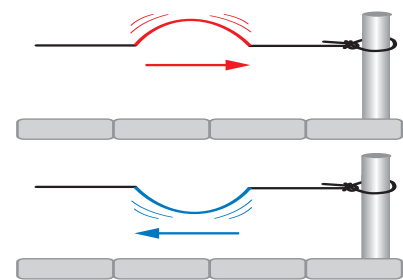


Figure 18: Fixed end Wave Boundary Behaviour.
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*of the incident wave, but in opposite polarity... at the fixed (hard) boundary, the displacement remains zero...'*³⁵

The power of the reflected inverted wave stays at the same value of the incident

wave but of an opposite value. It is the same for negative and positive waves. When the both pulses (+, -) with the same value meet on the same medium they can totally neutralize each other resting on the equilibrium, where time and space disappear. When one of the pulses, incident or reflective, has higher and the other has lower value, the higher one will be reduced by the value of the lower one when they meet but carry on with their own values after passing through. In any case, the value of the reflected pulse will always have lesser value than the incident pulse first released. Therefore, it has the ability to neutralize and balance the waves and the wave end behaviours to the best beneficial manner that reflects on to the body, soul, spirit and the social relations.

Therefore, choosing the actual energy source as the only Deity, facilitates all, pre-programmed, emotional and conscious voluntary actions to work together in best possible harmony. When the total neutralization is achieved between the two fixed ends on the same equilibrium the unification of the source and the receiver can take place. Unfortunately, '*...human beings are 'by nature equal' in both body and intellect but are tragically distorted by our first-person perspective...*'³⁶ For this reason, to achieve a hundred per cent correlation between them is almost impossible. Besides, a deity, either chosen from within self, such as ego, knowledge, strength of power or from outside the self, such as position, wealth, family heritage, or any thing made of matter or imagination, is always a created being. They may have various energy levels, lower or higher but will never meet the every individual human need fully, as all the creations are dependent on each other, nourished by the same energy source, and governed by the same higher intellect. They can have certain levels of interaction abilities between them but none is independent of the other to have total authority over one another.

Indeed, fixed end wave boundary behaviour demonstrates that human voluntary actions involving psychology, biology and sociology have no other options but to join the rest of the creations by choosing the Creator as the Deity in order to attain harmonised integration using the valid codes and coordinations. In fact, the higher the level of freedom, equality and justice achieved among these interrelations, the better the level of happiness, health and social relations will be. Therefore, human beings need to do sincere and serious researches to find out about these authentic bases to act upon during the voluntary free willed actions, which are pre-set for the others. So, new research is vital to explore existing energy network behaviours so that we may differentiate the right connections from the wrong between the human body, soul and spirit, individual humans and other beings, and the chosen deity. This research needs to be done under totally new individual and universal objective approaches, using totally new scientific methods to meet the demand of human needs in the 21st century and beyond.

No doubt that there are more questions waiting to be answered. For example, 'Why do none of the other existing beings coming through the Big Bang have any conscious voluntary intellects to choose their own actions and deity such as human

beings have?’ ‘Is it possible that human beings have another link to the Creator apart from the Big Bang?’ ‘Is it possible to unite both, the Creator and the human heart as conscious receivers, to interact together without time and space being involved?’ The latest progresses in these fields seems to indicate that human beings, still need to search for many more centuries to come, to be able to answer these questions.

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