

# A convergence of human and extraterrestrial science

William C. Treurniet and Paul Hamden, December, 2014

*Summary. The Copenhagen interpretation of Quantum Mechanics holds that there is no phenomenon until it is observed or measured. A photon, for example, is “observed” when it has an effect on another quantum-scale particle. Close (2000) argues logically that the sequence of similar observations that follow must terminate in a final observation by a non-quantized receptorium that is the interface between a universe of physical quanta and one of consciousness. This view is consistent with the science described by an extraterrestrial Zeta race. The Zeta science holds that a primary consciousness is “living as an experience in separation”. It is the basis for all existence that includes our matter universe and much more. Living beings such as ourselves are facets of the primary consciousness and exist to accumulate experiences. All things are interconnected in a vast network organized according to state of consciousness or, equivalently, state of love. A being's state of consciousness is an essential element of a creation process driven by the being's intent. A creation is encoded in a multidimensional grid that is a property of consciousness. The Zetas understand that the created representation is part of what can be described as an information structure. In the non-physical realm, the representation of a creation in the grid is transformed to the original intent by a being's act of perception.*

## 1. Introduction

Our conventional science is based on a materialist's view of reality, that everything proceeds from interactions of particles of matter and fields of energy. It is usually not recognized that there is an experience common to all of us that cannot be explained in this way. This is the perception of qualia which is acknowledged to remain in the realm of philosophy rather than science (see [here](#)). Qualia are the subjective sensory experiences such as colour, taste, smell, and touch. We cannot say why or how the colour blue is experienced, for example. It is usually attributed to a particular wavelength of light striking the retina of the eye and stimulating a particular area of the brain, but these physical interactions are qualitatively different from the subjective phenomenon that follows. It is disconcerting that our understanding of reality should depend on these subjective sensory impressions that we cannot explain.

Qualia take place only in the awareness of the observer. To better understand the subjective experience of the colour blue, there needs to be a way to transform the matter/energy interactions preceding the experience to the domain of awareness itself. Because of its uniqueness, the target domain should be recognized as an independent concept in its own right. We may recognize this domain as consciousness. Rather than an epiphenomenon that mysteriously arises from the behaviour of a complex system, consciousness can be understood as underlying reality. It has unique properties which include the subjective qualia as traces of consciousness activated by particular patterns of physical energy.

The necessary role of consciousness in maintaining the existence of the matter universe was recognized by Edward Close (2000) in his book, “Transcendental Physics”. Close examined the implications of [certain advances](#) in physics that expanded on the Copenhagen interpretation of Quantum Mechanics proposed by Neils Bohr. In a nutshell, this interpretation holds that at the quantum level there is no phenomenon until it registers as an observation or measurement.

Close discusses a thought experiment proposed by [Einstein, Podolsky, and Rosen](#) known as the EPR paradox.

They argued that the Copenhagen interpretation of Quantum Mechanics would be incomplete if two spatially separated (non-local) systems (e.g., two photons) share a common reality (see [here](#)). That is, if they did share a common reality as separated systems, the completeness of Quantum Mechanics would be in question. Also, transmission of information would be in excess of the speed of light, which is contrary to Einstein's theory of relativity.

Subsequently, [Bell](#) published his Inequality Theorem proposing precise experimental predictions to determine whether Quantum Mechanics is consistent with the locality or non-locality of two widely separated systems with a common origin. He maintained that “*no physical theory which is realistic and also local in a specified sense can agree with all of the statistical implications of Quantum Mechanics*” (see [here](#)).

Bell's predictions were tested in an experiment performed by Aspect ([here](#) and [here](#)). According to the outcome of that experiment, two systems consisting of widely separated photons having a common origin (i.e., entangled), should be considered as a global, inseparable quantum system. Bell's analysis proved that the two systems are not somehow linked together into one local system by hidden variables carried along by the particles. Even though the non-local systems in the experiment could not interact and share information, they did share a common reality as expressed by the Copenhagen interpretation of Quantum Mechanics.

Close also discussed the implications of the well-known [delayed-choice double-slit experiment](#). This experiment showed that light behaves as a particle or a wave depending on the state of the apparatus at the instant when a measurement is taken. It could even be said that light quanta do not exist until the instant of measurement or observation; that is, the particles do not have a past. Close observes that some physicists consider the act of registering the phenomenon of light as equivalent to an “elementary act of creation”.

By extrapolating from the results of the double-slit experiment, we can say that a photon does not exist before it strikes a receptor in the eye, and that only the effect of the photon exists when an observation occurs. In turn, the elementary particles in the receptors do not exist until they have an effect on other elementary particles further along the chain of interactions to the brain. Matter and energy become objective entities when they register as effects.

So then what is the final receptor in the brain that can stop this otherwise infinite sequence of effects? Close argues that the final receptors must be something other than quanta of physical particles. He says, “*the final receptor completing an observation must be something real, existing beyond physical quanta, capable of receiving and properly organizing the distinct impressions of form and structure relayed by the effects of the quanta of matter and energy that we perceive as existing in an objective physical world. Since the interpretation of form and structure as information with meaning is a function of the conscious observer, this something must be closely related to, if not the very substance of, consciousness itself.*” He emphasizes that the final receptor in a conscious observer is real but non-physical; i.e., not composed of quanta of matter and/or energy. This final non-quantized receptor in the conscious observer he calls *individualized consciousness*.

The same logic is applied to the whole universe which is thought to have begun in an instant at the “big bang”. But how could the first particle have taken on an objective existence when no other particles existed for it to affect? Could the receptor of the first particle have been non-physical? Close argues that, as in the termination of the chain of effects in the conscious observer, there must have been a non-physical terminator to receive the first particle. Otherwise, the physical universe as we know it could not have come into being. Close calls this receiver, *primary consciousness*.

Close calls the receptor of the information carried by the final set of quanta in the physical chain of events, the *receptorium*. This is an interface between quantized and non-quantized constructs, so it must straddle the boundary. On the non-quantized consciousness side of the interface, images of physical reality are formed, and he proposes to call this formation space the *gestaltenraum*. Close further proposes that the pattern formed in the *gestaltenraum* finds its counterpart in primary consciousness where all possible patterns of information have existed since at least the formation of the universe. This creates a feedback loop via a living physical participant so that consciousness can observe itself. Primary consciousness formed the physical universe, the physical observer processes the incoming environmental stimuli through the *receptorium* of the individualized consciousness, and this observation in the *gestaltenraum* is mapped to the original construct in primary consciousness where it has always existed.

Close concludes that “*atomic structure depends upon the existence of elementary quanta, and the existence of quanta ultimately depends upon reception in consciousness. As it is illogical to assume that effects can exist without cause, we have to conclude that observable reality depends upon quanta, and that non-quantum consciousness, pervasive, and individualized, are necessary ingredients of reality, participating in the processes that cause the universe to exist as it does.*”

The special nature of qualia, as well as Close's reasoning about the crucial experiments endorsing the Copenhagen interpretation of Quantum Mechanics, support the view that consciousness has a continuous existence separable from the quantized universe of matter. Logically, matter could not have formed without a primary consciousness that existed before time began.

With this background, it may be easier for readers to accept a novel source of additional knowledge about consciousness. In particular, we have been approached by an extraterrestrial race who choose to call themselves the Zeta race. The Zetas are a race of physical beings created long ago by beings of an older non-physical race who were experimenting with matter. Since then, the Zetas have changed themselves so they can exist “in separation”. While apart from its physical body and in an energetic form, a Zeta being's individual consciousness can travel at the speed of thought to experience far places in the universe.

Individuals from this race have communicated with us via a human medium who is in an altered state of consciousness tuned to the Zetas' communication channel. The beings use the medium's physical body and linguistic knowledge to answer any questions posed by others present. The medium is able to observe but remembers very little when he returns to his normal state of consciousness.

Occasionally during the communication sessions, Zetas have tentatively materialized in the room to be seen by several people at the same time, thus confirming their independent existence. They have also appeared outdoors to the medium while accompanied by others; once seen through the “window” of a craft hovering nearby in full view, and once in a dematerialized craft that landed on the ground nearby.

From the interviews with the Zetas, it soon became apparent that their science is built on the premise that consciousness is the basis for existence. The science easily incorporates what we would consider to be spiritual concepts. Many interview questions probed their understanding of reality and the rules that govern the existence of conscious beings. These are discussed in a [book](#) entitled “A primer of the Zeta race”. The present article summarizes some of the Zeta science, and we will see that it is consistent with Close's ideas on the role of consciousness.

## 2. The science of the Zetas

The primary consciousness identified by Close (2000) is a fundamental aspect of the Zeta science. The Zetas equate it to the void. They tell us, *“The void is a living entity of total consciousness, and is partially living as an experience in separation, through illusion, of self through the vesture of matter. Each separation of consciousness is layers to perform many functions. Some levels of consciousness pervade the worlds of matter, whereas others are multifaceted in energetic form, each having the ability to exist as a race of beings in every form.”* The consciousness lives an *“experience in separation”*, meaning that the one becomes many layers, some of which are worlds of matter and others are energetic realms. Beings can exist in all these environments, and all are part of the experience of the primary consciousness.

The Zetas emphasize that all is illusion at a deeper level of understanding in that all is a creation of consciousness. Yet they also say that nothing is really ever created. Rather, everything that is possible already exists in consciousness space. What we may understand as creation is actually primary or individualized consciousness *“activating certain areas of consciousness.”* *“Consciousness has all information, but how consciousness reveals it to itself is a different process, nothing is created.”* Since everything is consciousness, we may conclude that all possible processes are consciousness acting on itself. By this definition, consciousness space is a closed system, so if the laws of thermodynamics apply, either its processes must be 100% efficient or it has infinite energy.

With respect to time, the Zetas say, *“You think of time as you would a watch ticking. The reality is that time is a reference point, not a continuum”*. According to them, the rigid time scale we know is very much our own invention. We often think of time as a physical dimension as real as the dimensions of space. For the Zetas, as in some human aboriginal cultures, there is only the duration of the present. They understand ordered sequences of events, but do not have the concept of unfilled time capable of existing by itself. Saying that an event will occur at a particular clock time in the future is meaningless to the Zetas. The absence of an absolute time dimension is consistent with the creative process where a sequence of frames is selected by consciousness from all possible sequences in primary consciousness. We humans infer a rigid time dimension from the selected events.

The energy of consciousness, which has been characterized by mystics as a vibration, is not without organization. The energy is distributed as ordered states of consciousness. Surprisingly, the Zetas equate this dimension with the dimension of love, so a state of consciousness and an intensity of love are interchangeable. The amount of love that a being is capable of expressing evolves with experience and may range from very little to a completely selfless love and compassion for the whole. Individual beings exist at their own level of consciousness, and we will see that this dimension is integral to the process of creation.

Consciousness space has a property that is analogous to a space-filling grid. A Zeta describes the multi-dimensional grid as *“a fluctuating wave vibrating through the universe. It holds all space and time”*. The grid represents any given creation as a kind of interference pattern that surfaces from the potential in primary consciousness where everything possible has always existed. As explained by the Zeta, *“The grid is defined by the individual entities that it is, so if you had a cup my friend, the cup would have a grid that was associated with it. But for the grid to be in its true state, there is no form for the grid”*. The existence of the grid is seen in the representations of things that give the illusions of space and time. Otherwise, it is without form.

The Zeta adds, *“The grid process is much aligned with the nature of all things being connected. Your scientists are now understanding the relationship between the subatomic particles, and that the state is determined by its*

*relationship to other particles, but they do not understand that it is the consciousness that creates the state, and it is consciousness that has created the illusion of matter.*" This comment obviously refers to the observed entanglement of separated pairs of sub-atomic particles. Entanglement is identified by the correlation between their respective states (e.g., as first seen definitively in the Aspect experiment). However, scientists have yet to learn that consciousness is responsible for creating the states. The Zeta also supports Close (2000) in saying that without consciousness, matter would not exist.

Another property of primary consciousness is the organization of conscious elements which, in human terminology, are called souls. We are told, *"The nature of the soul in its own understanding, its own container, understands that by its own nature it belongs to a class of energies. This class of energies remains as a whole form, one entity, broken into many forms, many existences. So, saying this, a being is able to incarnate into many states of being in many realms."* A soul sub-divides into multiple facets, each having an independent existence. This facilitates acquiring unique experiences, which is the soul's purpose. At lower levels of the organization are spirits that can incarnate as physical entities such as ourselves. At the end of a physical lifetime, a spirit returns to its previous energetic existence, carrying with it the experiences gained. A spirit's individualized consciousness is naturally a part of the whole, and its experiences are added to the total experience of the primary consciousness.

## 2.1 Redefinition of frequency

Here we introduce an important caveat having to do with the word *frequency*. When the Zetas made it clear that they do not have a concept of clock time, their use of *frequency* was questioned. We define frequency as the number of events per unit of time; for example, number of cycles/sec of an alternating signal. They responded that they used frequency in their discussions with us as a substitute for *"the level of consciousness that an entity holds, and so as you move from one frequency to the other, your consciousness is placed in an expected state."* Our language did not have an appropriate word for this concept, so they used frequency as an analogy.

The Zeta added, *"I will explain to you that myself and another entity would be in consciousness, but a different consciousness, and so the frequency between us would be different, because the consciousness would either be of an expanded or contracted nature."*

*Frequency* is semantically related to *vibration*, which we already associate with emotional state in a spiritual sense. We could perhaps think of a doorbell's tactile buzzing sensation as analogous to level of consciousness. When the signal driving the doorbell changes, we feel a change in the sensation of vibration without assigning a numerical value to it. The word *vibration* might better connote state of consciousness than the word *frequency*. Nevertheless, we agreed with the Zetas to continue using *frequency* in order to maintain consistency with earlier interviews. We should keep in mind, though, that what is really meant when the Zetas use *frequency* is a state of consciousness or love.

## 2.2 The creation process

Beings that exist in the non-physical consciousness space are said to have an amazing ability to create, simply by intending that something should exist. They do this by using a process analogous to making a physical hologram.

To create a simple hologram, coherent light of a particular colour from a laser is split into two beams with a half-silvered mirror. One beam called the reference beam is directed to a photographic plate. The other beam called the object beam is reflected from the object to be recorded. The object beam interacts with the reference beam to

form an interference pattern on the photographic plate. An image of the original object, the hologram, is reconstructed by illuminating the photographic plate with coherent light of the same colour used to create the interference pattern.

As in the making of a physical hologram, a being creates in the energetic realm by selecting its highest possible state of consciousness as a reference, then modulating this reference according to the intended creation. The modulated state of consciousness is combined with the original unmodulated state to produce an interference pattern representing the intended creation. The interference pattern is recorded in the grid of primary consciousness. Subsequently, any being capable of operating at the same state of consciousness or higher can “illuminate” the pattern and reconstruct the intended object as an act of perception. However, a being whose highest state is lower than the state that created the pattern would not be able to perceive the created object.

A significant aspect of this creative process is that individuals at a particular state of consciousness cannot perceive the creations of individuals operating at higher states of consciousness. This has the effect of preventing entities with little ability to love from intruding on the space of more loving entities. Thus, it would seem that some social harmony is enforced directly by this “law of nature”.

The human race, like all beings, is subject to this “law”. The Zeta tells us, *“The frequency of the human race is based in a lower frequency and because consciousness exists in different forms and states of frequency, to access memories from a different frequency field, the human is negated from accessing that information.”* So because the human race exists at a lower state of consciousness, we are unaware of much information that exists beyond our reach.

The Zetas' view is that all that could possibly be exists in the energy of consciousness. *“Source consciousness has within it definitive barriers and boundaries for what may exist. There is nothing that can be created that is outside of it, all forms, all shapes, all existence is determined by this process. All matter would disintegrate without this. There would be no planets, there would be no universe, it is held together by consciousness.”*

For all to exist in primary consciousness, much must remain hidden as virtual patterns, else chaos would reign. Presumably, beings avoid chaos by choosing to instantiate a subset of all possible experiences. The process of creation would be the way such choices are made. Rather than creating a new pattern in the grid, the intent to create would instantiate an existing virtual pattern.

The creative process could be applied to form desired arrangements of multiple virtual pattern instantiations. For example, a being may wish to design a complex living environment consisting of many different buildings, streets, parks, and other features of a town. These elements would all be instantiated from the virtual pattern storehouse, and the result could be a place called MyTown. By definition, this entire unique arrangement of elements must also exist as a complex pattern in the space of all possible virtual patterns. If a being could imagine it as one whole construct, the entire town could be chosen by a single application of the creation process. Alternatively, the town could be formed element-by-element by successive applications of the process. In either case, the resulting complex arrangement of the town's elements and their relationships could be defined in an information structure or script. Again, by definition, such a script must already exist in the space of all possible virtual patterns. Conscious beings, by their nature, could instantiate the script like any other act of creation or perception. The construct MyTown could be replicated wherever it is desired by choosing the script. Since spatial dimensions are a property of MyTown, a being might have the impression of moving instantaneously to MyTown, or of MyTown forming instantaneously around the being.

## 2.3 The existence of realms

Realms are regions in consciousness space that may not be accessible to all beings. The Zeta says, *“There are realms within realms, dimensions within dimensions, and inter-dimensions within dimensions, all is inside everything else. Each dimension is vibrating at a different level, then you can understand that everything is one and everything of the whole. There is no true separation between realms and universal nature. It is possible to travel across all of these barriers that are perceived in your mind, once you have moved yourself to a place of understanding that there are no barriers.”*

He says on another occasion, *“These “realms” that you describe are one of illusion, let this be stated at the outset. There are no defined boundaries between all of those states, as if some doorway existed between realms or dimensions. These energetic realms are actually divided only by the actual waveform's ability to move into and out of the energetic area. Does this then limit what waveform can move where? Yes. These barriers are needed for many reasons. As each waveform or energetic being think within their confines, so they are.”*

According to the Zetas, a realm is defined in terms of vibration or a state of consciousness. This suggests that it is someone's creation. Recall that the creation process produces an object that can be perceived by beings having a state of consciousness like that of the particular creator being or higher. So a realm having a specific state of vibration may be experienced only by beings at the same state of vibration or higher. It would not exist for a being who is in a lower state of vibration; i.e., “thinking within its confines”. The barrier to entering the realm results from a being's inability to perceive the realm. Such a being would obviously not be able to move into that realm's energetic area.

When a being's state of consciousness is raised, the pattern of accessible regions in consciousness space should also change. The regions existing at a higher level of consciousness would come into view. In that sense, a realm really is an illusion since it persists for a being only as long as the being's level of consciousness does not change too much. Further, all realms can be perceived by beings existing at the highest states of consciousness. These beings have moved themselves *“to a place of understanding that there are no barriers.”* As the Zeta says, *“There are no boundaries, and consciousness is playing a game of illusion with itself”.*

But there is a perceived reality within an illusion. The Zeta says the spirit realm's *“borders are defined by its frequency.”* Further, *“Between each boundary or realm as you would say, there are delineating frequencies that are conjoining.”* Thus, realm boundaries are defined by their vibrations, and two boundaries conjoin via “delineating frequencies”. This suggests that realm boundaries in consciousness space are joined by compatible energies bridging the interval between realms. Only energies that are compatible, or can change to become compatible, may conjoin. Conjoining results in a *resonation* of energies.

Since the boundaries of realms conjoin via delineating vibrations, the realms themselves must also be defined by configurations of the energies of consciousness. The Zeta defines a being as a “waveform” which does or does not have the ability to move through the energetic boundary of a realm. This reference may refer to representations in the grid where a “waveform” pattern (a being) may or may not be compatible with the pattern of energy in the grid defining the realm boundary. If the states of consciousness of the being and the realm are compatible, the being might perceive (transform) the boundary as a visible object with spatial extent, depending on the being's expectations and state of consciousness.

## 2.4 Consciousness as information

It is natural for us to think that consciousness space maps onto our familiar three-dimensional space. Close's analysis, which led to his proposal of a *receptorium* and a corresponding *gestaltenraum*, is consistent with this idea. These proposed devices present an image where physical quanta in 3-D space have corresponding elements in consciousness. However, the Zetas give us reason to believe that our spatial dimensions are not mirrored in consciousness. They have said, for example, “*There are many places where the construct of what seems to be three-dimensional does not exist, the light area, and so quite often it is perceived as light by spirit people.*”

In a discussion of the spirit realm, an important construct in the human incarnation process, we are told, “*The spirit realm is a multidimensional creation. The container that is the spirit realm is an entity of consciousness.*” Further, “*The spirit realm is a bounded region in the energy of consciousness.*” Since it has a boundary, it would seem to have spatial dimensions. But the boundary is not what we would expect. Instead of having sharply defined edges, forms in this energetic space are “*very fluid*” and a border is defined by its vibrational state. “*Many energies form the etheric boundaries that spirit beings exist in.*” This description is beginning to sound like the interference pattern on the photographic plate that encodes a holographic representation of an object. An etheric object with its distributed, or “*fluid*”, representation appears to be like the abstract pattern encoded in the grid by the creation process. We can go even further and recognize that the pattern is information, and information could be re-encoded in any non-spatial dimension of consciousness. If this is so, the information passing through Close's *receptorium* may be transformed in order to map to a non-spatial representation of objects in the *gestaltenraum*.

Such an abstract representation of information is also indicated in a description of the workings of the spirit realm. The following is part of an extended comment from a Zeta on the nature of the spirit realm. The key point to note is that the spirit realm and what it contains can be understood as constructs created from specifications encoded in an information field in primary consciousness. These constructs are responses to the inhabitants' acts of perception and may be amended by their acts of creation.

*The spirit realm is a multidimensional creation. Within it there are threads of consciousness, and the threads of consciousness are individuals who have existed in the physical form. The threads are informational fields which combine to create the whole soul process, and so each of them are taking many turns to again perceive the existence of matter of a human entity, or any entity that belongs to this planet. ... If you wish, you can perceive yourself to be of a human construct. But also if you do not wish to live in that construct, then you do not. The container that is the spirit realm is an entity of consciousness. The informal fields, the informal structures within the consciousness, are seen to be a separate entity. The formal structure of the informational field allows a construct to exist, and the belief structure is then that there is a spirit realm.*

*Many of the entities in the informal field which are the individual threads may not be able to perceive that they are actually not human, and so this is where the discussion starts about the spirit realm. The spirit realm is then within its own confines, has the belief structure that individuals exist.*

*Many of the entities in the informational field that is known as spirit realm believe that they are singular entities. Many do live with their partners as consciousness, believing themselves to be the form, and so you see that the informational field has the ability to create any construct, any*



*belief system, any existence that a human soul requires.*

*This is very technical information, and it is believed that you will not fully understand what has been said. It takes you some way in understanding the differences between the human mind's construct of the spirit realm and what actually exists. But if you are inside the spirit realm construct, you will not be able to tell the difference, just as the humans are unable to understand the construct of spirit realm.*

*What is the human makeup, what is the construct of humanity? You are but energy, and the energy creates molecular structures, the molecular structures come together as cellular matter, the cellular matter creates a human construct, and so you at your finite level of energy and consciousness. The physical matter of the chair the medium is sitting in does not exist, but what exists is the energy and the consciousness of the shape of the matter to create the chair. And so, if you remember this, then you will understand that the spirit people are able to see what is not.*

*And so when you transition, you will move back to the informal field where the thread that you are, the consciousness, becomes intertwined with the formal field. The formal field is of course the oversoul process. All the many threads of consciousness perceive themselves to be singular entities, and now you may become entwined with another thread. The thread may be your partner, and so you can never be separated because the experience that you have had with the partner becomes integral in your existence, the fabric of who you are.*

*You may want to forget that you have been with that partner, but you cannot. They were part of your journey, they were your teaching. But remember for the consciousness living within the spirit realm container, the perception is that they are not threads. The perception is that they are entities living within structure.*

*Remembering that the spirit realm entity does not really have formal parameters, or physical parameters, these constructs that we give you are ways for the human mind to understand what exists in consciousness.*

When humans reach the end of their life on earth and pass on to the spirit realm, most likely they experience a three-dimensional reality similar to their existence on earth. Continuity of experience would be the path of least psychological resistance for them. Therefore, they would activate the spirit realm in that form from the information field as an act of perception. They believe (intend?) that they have a body that has a certain appearance, and so it does as an act of creation. However, when they learn the rules of the game, they are able to change the appearances of body and surroundings at will.

This presentation by the Zeta was significant because it clarified that an expectation in the energetic realm influences the reality that is perceived. The way reality is represented at this deeper level of information threads is typically not recognized, and most beings probably get along quite well without that knowledge. On the other hand, it could be important to developers of what might be called etheric technology. Examples of such technology possessed by the Zeta race are discussed in the aforementioned [book](#), "A primer of the Zeta race".

We should note the words of caution in the Zeta's last sentence to not take the terminology too literally. The Zetas often use analogy to communicate difficult concepts. They seem to have done the same here, using our

conceptual understanding of hierarchical and nested data structures in the context of information databases.

## 2.5 Formation of matter

Close (2000) and the Zetas agree that primary consciousness existed before the matter universe came into being. Close argued that the first potential particle that came out of the Big Bang needed to interact with a pre-existing non-quantized consciousness to become a particle of matter. According to the Copenhagen interpretation of quantum mechanics, a particle must be observed in order to exist. An observation consists of having an effect on another particle, and the effect on this particle is observed by the effect on another particle, and so on. The sequence of observations can terminate only by interacting with a non-quantized consciousness. The first particle, therefore, must have been observed by primary consciousness so that the matter universe could come into existence. All subsequent particles would have been observed by either primary consciousness or individualized consciousness associated with life forms.

Additional information about the relationship between material objects and consciousness came from the conversations with the Zetas. They explained how materializations occur. In general, *“There are also many states of physicality, many states of matter. Each state of matter is like a thinner and thinner lining or sheet. The gross matter of this physical reality is where humans live. The other “linings” are not seen. They would be seen to be like a silk fabric interwoven between the gross matter. Once a consciousness has “thought” to a coordinate, it then intermingles with the finer physicality, drawing to itself the molecules of the process. Accompanying this is the energy of the existence, the energy bound to the matter, and the combined process of matter and energy form a materialized form into the gross state of matter.*

Matter is described as having a spectrum of granularity; that is, we live in a world of gross matter while finer matter exists in “layers” invisible to us. *“All states of matter exist with energy and consciousness. The finer matter is the non-combined, non-formed matter utilized to create, to draw to a consciousness a framework of materialization or materiality.”* The Zeta agreed that one form of uncombined, or finer, matter is the electron. The finer matter was said to *“have always existed as part of the fabric of this universe”*. But they also say, *“If you were to break down all of matter, it would be seen to be consciousness. Consciousness holding itself into conscious states creates matter. This is seen as certain elements, some of a finer framework, others of a gross process.”* It would appear that consciousness *“holding itself into conscious states”* has maintained fine matter as long as this universe existed.

Matter called ectoplasm has been seen to materialize in physical mediumship seances, and physical objects called apports may also appear, sometimes in mid-air. Apports appear near a medium and are either moved from elsewhere, copied from existing objects, or are newly created. Ectoplasm disappears before the seance ends, while apports continue to exist as normal physical objects.

The process for creating ectoplasm and apports are described in more detail in the [book](#), *“A primer of the Zeta race”*. Ectoplasm is made from oxygen and hydrogen from water ionized in the medium's body, combined with etheric energy generated from the breathing of oxygen. The Zeta adds, *“There is a certain consciousness to the ectoplasm as well. It is not simply a matter of a construct based in matter. The consciousness of a spirit is utilized to allow the usage of the ectoplasm, else there would be no structures.”* This refers to the animation of structural elements sometimes seen in quantities of ectoplasm.

In general, all objects of physical matter are accompanied by an etheric body. The etheric body has information

that defines the properties of the physical form, and if the etheric information were to change, the physical form would mirror that change. To create an apport, the Zeta explained that an etheric body is used as a kind of template for the physical matter to be formed at a new location. When an apport is to be a copy of an existing object, *“The etheric body is copied, which is an easy task for a spirit being. The spirit entity would have a form or shape that they wish to devise as a method of manifestation that would materialize. They would have a mirror image of the physical entity but have the etheric form of it, and so once the etheric form is populated with finer matter, the apport materializes.”*

The matter used to form an apport may be obtained from the environment when available, else it is created as needed with the help of spirit energy. Apports may be made of metals such as brass or iron which may not be available in sufficient quantity in or near the medium's body. Carbon plays a central role in the creation of missing chemical elements. The Zeta explains, *“The etheric body of the apport is brought to the physical location where the apport is to manifest, and it is populated in carbon. Now, of course, the apport is not carbon, my friend, but has its basis in many molecules, in many bases of molecular structure, and so the spirit people change the molecular structure to replicate exactly the etheric body process, so that it physically materializes as being a mirror image of the physical that has been copied.”* Thus, elements that begin as carbon atoms in the creation of apports are transmuted as needed to elements with higher or lower atomic number.

The Zeta's statement, *“All physical matter has an etheric body”*, is significant. The etheric body of any object contains the specifications for its design. At the time of the Big Bang, for example, the first particle that was observed by primary consciousness would also have been supported by an etheric body containing the particle's design specifications. Perhaps this etheric body and the *gestaltenraum* proposed by Close (2000) are one and the same. The final observer in the chain of quantum interactions initiated by a potential particle may also hold the design specifications for the observed particle.

### 3. Discussion

With the understanding that consciousness is the prime mover in the universe, the Zetas have developed a science that is not at all like ours. It may be impossible for us to match while we are at a relatively low state of consciousness. To develop etheric technology, for example, we would need to be able to function in separation and understand how to use the creation process. To achieve this, the human race must first rise to a higher level of consciousness or state of love. In the meantime, we can learn about the non-physical environment from beings like the Zetas who can speak to us now, although with difficulty.

The Zetas show that they share with many humans the belief in something bigger than themselves when they say, *“We are all the same, seeking to understand the "highest nature", the Creator, the non-local, universal, creative life force.”* However, they are not like many humans who think of the creator as a powerful individual to be worshipped, sometimes from afar. A Zeta said, *“We are all connected to each other on all levels. The source entity has become a complete entity; there is a continual journey for all energies.”* The Zeta explained that these connected beings are threads of information associated with many different levels of consciousness. Through creative experiences, these threads continually add new information to the non-local life force of which we are all a part. There are beings with different levels of consciousness, but not an all-powerful being separate from its creation.

The process of materialization described by the Zetas tells us something about the nature of our physical

universe. An object of matter is associated with an invisible etheric component that defines the object. Therefore, we should be able to think of the complete object as being 4-dimensional. The part visible to us would be the projection of the 4-dimensional shape onto our familiar three dimensions. The 4-dimensional representation is an instantiation of a virtual pattern existing in primary consciousness which includes specifications for representing the object's properties.

As described by Close (2000), an observer sees an illuminated 3-dimensional form after a sequence of quantum events is initiated by photons. The sequence is stopped in the observer's *receptorium* where a 3-dimensional non-quantized representation of the object is formed. This, in turn, is mapped to a shape in the *gestaltenraum* which is the instantiation of the virtual pattern in primary consciousness. It appears, therefore, that the *gestaltenraum* is able to represent 4-dimensions in order to hold a complete object.

For the physical object to exist before being observed by a local individualized consciousness, it would need to have been observed by another conscious entity. This entity could be either primary consciousness or a being in the soul hierarchy with the ability to create the physical universe. According to the holographic-like model of creation confirmed by the Zetas, conscious intentions would have created the etheric forms in the energetic realm followed by the reorganisation or creation of matter in the physical realm. We may conclude that the entity who did this must have a higher level of consciousness than we humans. It created configurations in consciousness space that we can modify very little using only our conscious intent (e.g., McTaggart, 2007). Our limited ability to do so indicates that we do not have easy access to the higher state of consciousness used by the entity who created our universe. It follows that it is a more loving entity than we are.

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