All You Need Is Love

Including a Discussion of Love, Sex, Gender, and Quantum Physics

When TimberFish was operating its commercial system at the Five & 20 Spirits & Brewing facility from 2016 – 2020 I often described the process as using Ecological Intelligence. However, I did not start writing about Ecological Intelligence until early February of 2023. In that first document I referenced a story board that TimberFish printed up, but did not use, at a trade show in November, 2019. It stated that "TimberFish Technologies uses Ecological Intelligence because nature doesn't do the math – yet nature ALWAYS gets the right solution."

Shortly after the Summit, the CoVid pandemic turned a planned brief seasonal shutdown of the operating system at the Five & 20 facility in Westfield, NY into a three plus year hiatus of operational activity. This resulted in a refocusing of the TimberFish evolution back to the foundational scientific basis of the technology and a reconsideration of describing it in terms of ecological intelligence.

This effort led to a first iteration of the Relational Symmetry Paradigm (RSP) in August of 2021. The goal was to humanize the physical sciences so that they could be more effectively applied to both our current existential crisis of Climate Change, and to the political and economic factors that are preventing the effective application of biological technologies such as TimberFish to this problem.

The approach was to integrate life, consciousness, language, and creativity into the foundations of physics. This leads to an expanded model in which thermodynamics as described by the Maximum Entropy Principle, is combined with general relativity and quantum mechanics. The hope was that this would resonate with physics, and was described in more technical detail in the 2023 version of the RSP. However, the question remained that if Nature does not do the Math just what does Nature do? Thus in the spring of 2023 I started contacting mathematicians for help on this and that led to a collaboration with Andrius Kulikauskas and Math 4 Wisdom.

The result of this is that I now understand that Nature does not rely on computation with real number algebras but does use a quaternion octonion pattern recognition prelanguage to make decisions and act. This is supported by the observation that quantum mechanics cannot completely describe the universe with real number algebra and measurements made with rulers and clocks, but has to use the complex and quaternion normed division algebras.

Thus this document will apply the 8 concept Pattern PreLanguage Model for Ecological Intelligence (EIPatternPreLang2.pdf) to the real human issues of love, sex, and gender. This will also refer to the basic symbolic formalism from the ODODU Derivation of Archetypal Meaning (Derivations - ODODU). To illustrate this application each concept in the Pattern PreLanguage Model will be derived from, and be an extension of, the previous concept. This will occur as an eight component cycle similar to the "Eight-Cycle of Divisions of Everything" proposed by Andrius Kulikauskas (Math 4 Wisdom. "Mathematics for Wisdom" by Andrius Kulikauskas. | Exposition / Introduction). Thus each transition from one concept to the next will be viewed as an organic, biological, and evolutionary process.

One of the reasons for the focus on love, sex, and gender is to present an alternative hypothetical description of quantum physics that does not rely on certain assumptions that are not part of our everyday personal experiences. These will include the concepts of antimatter, time reversal, and undetected dark matter and energy.

We start by assuming that we, you and I, all are Conscious and our existence and personal experiences thereby define the term Conscious Entity (CE). Some people would call this a Soul. We also assume that each of our CEs is connected to a physical body in some manner. Call the combination of a CE with its physical body a Conscious Body (CB). All CBs exist in an external reality which contains other CBs and a variety of other stuff. We as CBs can interact with this external reality and with some of the other CBs and other stuff, in a variety of ways. These may include using five senses; sight, hearing, taste, smell, and touch.

Our personal experience in this external reality provides convincing evidence that in addition to being conscious, we are also creative. Using our CBs we can make things, generate procedures, activities, procedures, and create ideas. The ideas can be expressed in language and we can generate a symbolic formalism using things in our external reality to represent this language and the ideas it contains. We also can create new CEs through a sexual reproductive process.

We now define the term communication to comprise the interactions that we as CEs can have with some other CEs, via the interactions between our respective CBs and our languages. There are two ways that this can occur. The first is through direct physical interaction of the respective CBs. The second involves language and can be mediated indirectly through objects, such as letters, or sights or sounds

experienced directly or via electronic communication technology, phones, videos, the internet, etc.

There is an unresolved question as to whether or not a CE can exist independently of a physical body. We do know that there are physical bodies that do not appear to be connected to a CE. These would include dead bodies, but also rocks and things like solids, liquids, and gases which we think are comprised of very many very small physical bodies which we call atoms, and which may or may not be connected to one or more CEs.

Our personal experience shows that we cannot create new CEs unless we do it by using our bodies. We also recognize that if organizations of CEs are themselves conscious or exhibit conscious behavior, then there might exist a Universal Consciousness that is the organization or collection of all other CEs.

Given this as background, here is a discussion of sex and gender that uses a version of the symbolic formalism that is presented in the Ecological Intelligence Prelanguage Model and the ODODU Derivation of Archetypal Meaning referenced above.

In this document the following abbreviations will be used.

B Body

C Conscious

E Entity

F Female

M Male

The first four diagrams presented below are the transitions versions of the first four concepts (clues) of Ecological Intelligence;



Start by representing the initial component of a CE as a point of Consciousness, C, in a universe that is external to, but still contains C.



C



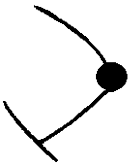
The C can act or move in this external universe. Represent this as;



MC



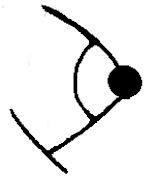
The C can also detect or sense its action and other actions that occur in the external universe. Represent this as;



FC



Finally, C can connect or interrelate both its actions and sensations. This generates cognition or understanding and completes the core components of a Conscious Entity (CE). Represent this as;



CE

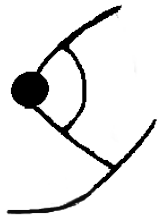


In our personal experiences we recognize that all CEs have a male orientation or a female orientation. Represent the male orientation as MCE;



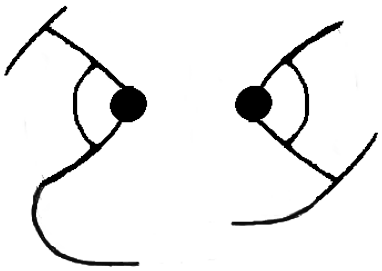
MCE

Similarly, represent the female orientation as FCE;

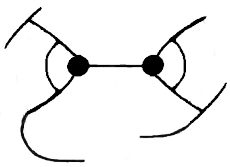


FCE

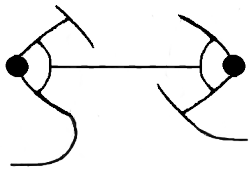
Then the MCE FCE couple is



As a result of communications (as defined above) sometimes two CEs will form a pair bond and become a couple. This can occur in two distinct ways depending on whether the conversation interaction involves direct interactions of the corresponding Conscious Entities bodies via in person or phone conversations, or through other indirect means via their bodies such as letters, books, videos, etc. The initial representation usually involves a Male Conscious Entity, MCE, and a Female Conscious Entity, FCE. Represent this initial Male Female Couple, MFcouple, as follows.

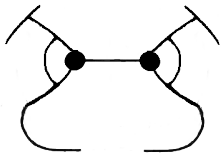


MFcouple direct, or,

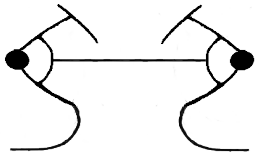


MFcouple indirect.

But this couple relationship can also involve two MCE as a MMcouple.

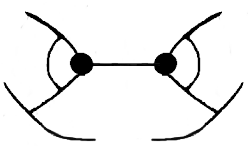


MMcouple direct, or,

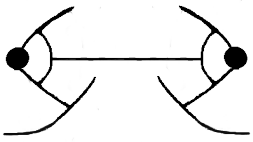


MMcouple indirect.

Or it can involve two FCE as a FFcouple.



FFcouple direct, or,



FFcouple indirect.

All of these couple pair bonds can be loving emotional relationships, what we might call a marriage relationship, or simply call love. At the level of CE these relationships are Platonic in that they do not involve any direct physical sexual interaction. However, the establishment and maintenance of a love relationship is perhaps the most fundamental experience of a CE.

This becomes complicated when we add in the connection of our CEs to our physical bodies. This can, and often does, add an additional sexual component to how CEs interact with each other. In this initial discussion we will not associate a male or female orientation of the conscious entity with a physical body but will focus on the physical characteristics and interactions that occur involving physical bodies that are connected to conscious entities. The introduction of the male and female orientation will be added later (see page 8).

Again the following four diagrams are versions of the diagrams in the ODODU Derivation of Archetypal Meaning, and represent the second four concepts (clues) of Ecological Intelligence as shown in the Pattern PreLanguage Model;



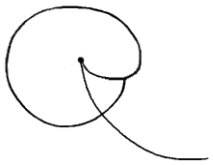
Start by representing a CE attached to a physical body as a CB.



CB



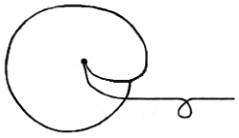
Represent a CE attached to a male physical body as a Conscious Male Body CMB. This is distinguished from a CB by the addition of a physical penis.



CMB



Represent a CE attached to a female physical body as a Conscious Female Body CFB. The CFB is distinguished from a CB or a CMB by the presence of a vagina. In the real world the vagina is inside the CFB. It is shown below as being outside the CFB for clear illustration purposes in the following discussion.

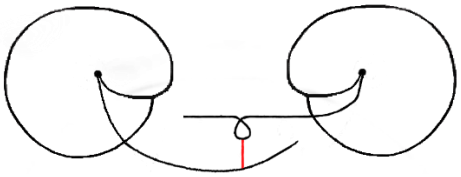


CFB



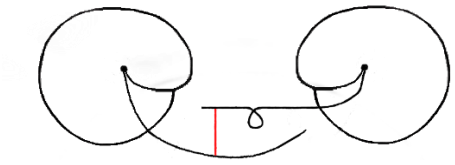
In Nature biological organisms reproduce in two ways. First by a process called binary fission, in which the organism simply splits in half thereby forming two identical progeny organisms. The second way involves a sexual process in which a male and a female organism each contribute a part of themselves to form a new male or female organism that is genetically different from either parent. This sexual act comprises the formation of one or more pair bondings that can occur between the male and female organism. Usually these occur over relatively short time periods.

This can lead to a pair bonding, shown below in red, in which a new organism is conceived. This is the reproductive event which is the primary goal of evolution through sexuality as opposed to binary fission. (pair bonding conception)

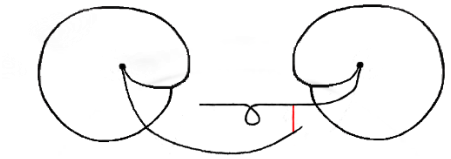




However, it turns out that other kinds of non reproductive pair bondings can occur between male and female bodies. These can be represented as;

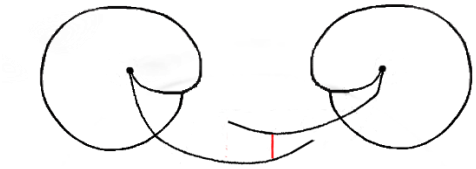


or

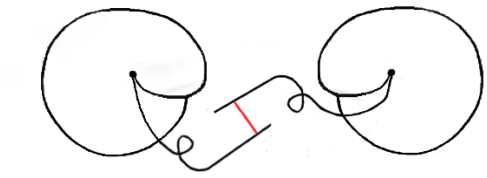


The reproductive pair bonding event is somewhat of a hit or miss proposition and so Nature has evolved an incentive to encourage all of the various physical pair bonding events in the hope that this will lead to more reproductive events. This is called an orgasm and it comprises an intense pleasurable and euphoric feeling for one or both of the CEs and the physical body CBs that participate in the event. This is a temporary experience and it usually signifies the end of one or more of the possible pair bonding events. However, once an orgasm has been experienced a CE will carry the memory of that orgasm as an Orgasm Potential (OP). The OPs provide an incentive or driver for an organism to repeat one or more orgasmic events.

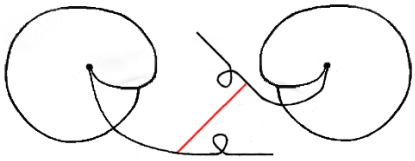
The fact that orgasms can occur in non reproductive pair bonding events leads to other possible orgasmic pair bonding acts. These can include CMB to CMB events,



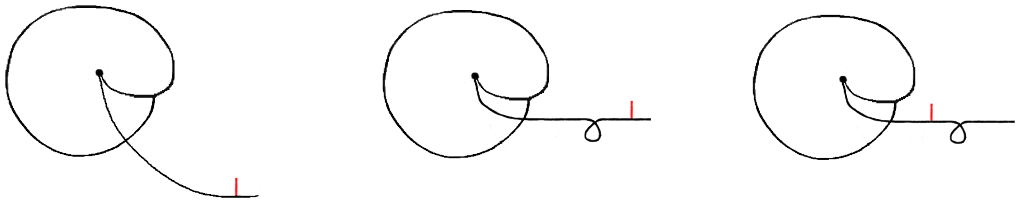
Or CFB to CFB events.



or

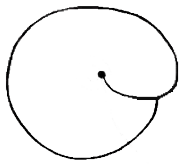


These non reproductive but still interactive acts involving orgasms can also be self relational. Thus Conscious Entity Bodies CBs can engage in masturbation by acting on themselves. This can be shown as;



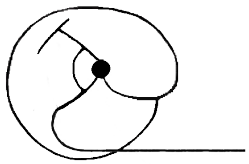
All of these Ops are incentives for various sexual acts. This becomes even more complicated when we add the CE conscious entity element identification to the physical bodies shown above. We know that Conscious physical Bodies, shown as CBs above, have a physical lifetime. They are created (born) with a CE, Conscious Entitiy, as part of the body. Then they disappear (die) sometime later when the CE leaves the body. The resulting dead body may exist for a while after death but eventually disintegrates into other stuff in the external environment. We have no real idea as to where the CE comes from or what happens to it after the death of the CB.

However, during the time it spends connected to a physical body it seems to manifest itself in various ways. In the early period of the life of a conscious physical body the CE is undifferentiated as to male or female characteristics. This is shown as the CB from above.



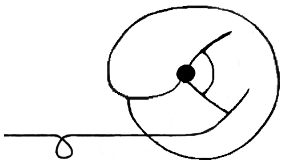
CB

However, as the physical body begins to show sexual characteristics the CE also begins to show a sexual orientation. Thus as the Conscious Male Body, CMB, develops it usually shows a Male Conscious Entity orientation. Represent this as a Male Conscious Entity Male Body, MCEMB.



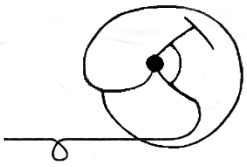
MCEMB

Similarly, as the Conscious Female Body, CFB, develops it usually shows a Female Conscious Entity orientation. Represent this as a Female Conscious Entity Female Body, FCEFB.



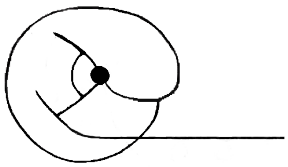
FCEFB

But this isn't always the case. Sometimes the MCE develops in the FB, represented as MCEFB,



MCEFB

or the FCE develops in the MB, represented as FCEMB.



FCEMB

These last two examples are usually defined as trans cases. In all cases, trans and otherwise, the initial body experience of an orgasm will generate an Orgasmic Potential for future sexual activity. This becomes a desire to repeat an Orgasmic Experience.

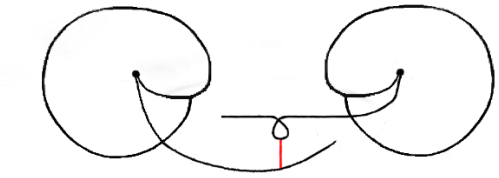
The trans cases create what are now called gender issues. When is a male a male and when is a female a female.

Human genetics provides a very simple answer to this question. If your body has a Y chromosome you have a male body. This is independent of whether or not you have a male conscious orientation, MCE, or a female conscious orientation, FCE.

Similarly, If your body does not have a Y chromosome then you have a female body. Again, this is independent of whether or not you have a male conscious orientation, MCE, or a female conscious orientation, FCE.

In most situations this does not make any difference. But there are two exceptions. The first of these is in sports, and in particular in professional sports, where anyone with a Y chromosome will have a male body and this will give them a distinct physical advantage over anyone who only has X chromosomes. Thus a Female Conscious Entity with a Male Body will have an advantage when competing with other Female Conscious Entities who have Female Bodies.

The second exception occurs when two Conscious Entities with Bodies enter into a couple reproductive relationship. This was represented diagrammatically above as;



When the CE components are included there are four possible such pair bonding reproductive events all involving one Male Body and one Female Body;

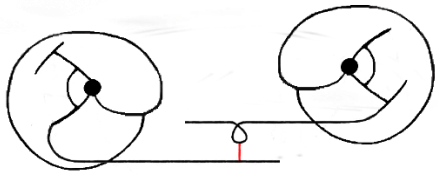
Male Conscious Entity Male Body – Female Conscious Entity Female Body MM-FF

Male Conscious Entity Male Body – Male Conscious Entity Female Body MM-MF

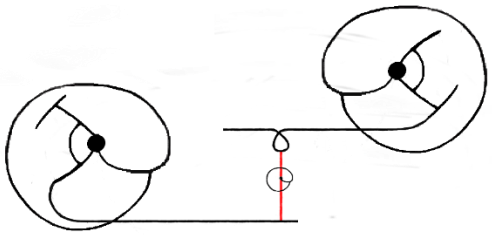
Female Conscious Entity Male Body - Female Conscious Entity Female Body FM-FF

Female Conscious Entity Male Body - Male Conscious Entity Female Body FM-MF

Here is the MM-FF example.



Once this orgasmic reproductive event occurs a new Conscious Body is created with atoms from both parent CBs, and a Conscious Entity is attached to this new CB. This is represented by,



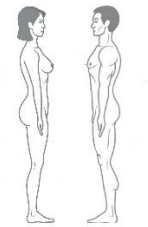
The CE that is now part of this new CB may be created by the reproductive orgasmic interaction, or it may come from one of the two parents, or it may come from somewhere else in the Universe.

In humans the new CB with its CE is kept inside the Female Body until it achieves a size where it can survive in the universe. (This pattern is also present for most mammals and some other vertebrate animals. In birds, most reptiles and amphibians, and some fish, the new CB and its CE are left as an egg which will hatch into an adult at some time in the future.)

The other three reproductive pair bonding events, MM-MF, FM-FF, and FM-MF, will all produce a new CB with a MCE or a FCE attached. Again the CEs that are now part of this new CBs may be created by the reproductive orgasmic interaction, or it may come from one of the two parents, or it may come from somewhere else in the Universe.

What makes this even more interesting is that all the non reproductive orgasmic features of the bodies and all the emotional pair bonding features of the conscious entities still seem to work. All of these variations, including trans and masturbation, are perfectly normal and a result of human evolution.

This also applies to the fact that human bodies are much more complicated than the simple diagrams used so far. Here is an illustration of a female and a male human body with no focus on the penis or vagina.



Note that each body has a mouth with a tongue, hands, fingers, an anus, and the female body has a breast. All of these body parts can participate in all sorts of sexual interactions, both interactive and masturbation, that can produce a non reproductive event orgasm.

An additional development occurs when we consider the effect of mirror neurons in the human brain. These neurons tend to fire when an individual performs an action, for example a sexual action. The neurons will also fire in the same way when the individual watches others perform a sexual action. They will also fire when they see images, drawings or photographs, of others performing sexual actions. When used to stimulate masturbation this is normal human behavior and it is a way of satisfying the urges stemming from Orgasmic Potentials without having to actually experience an interactive Orgasmic Event with another CECB.

This has led to a huge pornography industry which provides all kinds of drawings, photographs, and videos of human sexual activity. While this is normal human behavior when used for masturbation, it can, and often does, lead to serious problems if the portrayed sexual activity also involves violence, exploitation, or children, or leads to addictive behavior.

An explanation of these atrocities, including related problems such as rape, can be described by the concept of Informational Disease. This is described in some detail in Chapter 10 in The Relational Symmetry Paradigm (20231014-Northrop-RelationalSymmetryParadigm.pdf). The problem occurs when a CE confuses its information about the mirror neuron satisfaction of the OP via masturbation with its perception of real world interaction with other CECBs. This leads to a belief that if an idea that leads to the sexual release of the OP is OK then an actual act that leads to the release of the OP is also OK. Understanding how this Informational Disease works can lead to the elimination of such sexual atrocities.

The following argument presents a hypothetical alternative explanation for quantum physics and its extension into a larger cosmological model. The rational for this is the interesting similarity in the male female couple structure of our everyday experience and the electron proton neutron structure of atomic physics. This may be just coincidence but in my life I find that coincidences are often more synchronistic than pure chance. Thus the argument is presented here in outline form only and details will be provided when or if they become available.

OK. So where does quantum physics come in. Science, including quantum physics, is a construct in our consciousness that helps us understand our bodies and the external reality outside of our bodies. It helps us function in our lives. Currently this model comprises an atomic hypothesis which assumes that everything is composed of tiny particles called atoms, and four fundamental interactions which describe how atoms behave and interact. There are 92-94 naturally occurring types of atoms and all of these can be described in terms of three additional particles, electrons, protons, and neutrons, and a photon, an energy packet whose description comprises both particle and wave attributes. All of this is considered as existing at a cosmic level that is enormously larger, and a quantum level that is enormously smaller, than the level where we live and function as humans.

This science model does not include ideas about consciousness, emotion, belief, morality, sex, or orgasm. But the model does exhibit a pattern that is remarkably similar to what was earlier presented for conscious entities. Therefore propose the following as a hypothetical model. This model is not supported by any personal physical experience but it also does not depend on evidence for constructs that are starkly antithetical to the personal experience that we all do have. Specifically, it does not require or depend on the existence of antimatter or that you can go back in time. We have no personal experience of either antimatter or negative time.

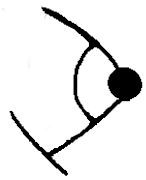
This hypothetical model does not seek to replace or reinterpret most of what science has achieved over the last 500 years. The explanations we use for chemistry, biology, and most physical technology is founded on principles that we can readily derive and understand from our own personal experience. However, that can not be said for much of quantum physics. This led to a belief in complementarity which posited that the fundamental laws of Nature that apply to phenomena at our human level were different from the laws of Nature that apply to phenomena at the quantum level. This conundrum appeared about 100 years ago

with the rise of quantum mechanics and the realization that for some atomic and subatomic phenomena we needed to use the complex and quaternion normed division algebras in addition to the real number algebra. It also appeared when we started realizing just how big the cosmos appears to be from astrophysics.

This conundrum has now reappeared with the rise of Artificial Intelligence (AI). Only this time it now appears that the real number mathematics and science that were found to be inadequate at the quantum level are also inadequate when applied to consciousness and intelligence at the human level. The proposed hypothetical model presented here is that all the normed division algebras that were found to be required for the quantum level are also required to properly understand intelligent behavior at our human level. This is what we have proposed as Ecological Intelligence (EI).

The interesting wrinkle here is that if we need all the normed division algebras to describe conscious intelligence at the human level, perhaps we also need to apply conscious and sexual descriptions to the quantum level. This leads to our hypothetical model which begins with a proposal to associate an electron with a CEMB, a proton with a CEFB, a neutron with a bonded couple comprising a CEMB and a CEFB, and a photon as an expression of the body like characteristics of a universal consciousness as manifested by CEs which are not associated with CBs.

Start by proposing that photons comprise light, and go back to the drawing for the initial Conscious Entity, CE.



CE

This shows an entity emanating from consciousness which was represented as a point. But a point has no dimensions or size. It is pure location in our posited external reality. So if a point consciousness itself has no dimension or size, its manifestation as a CE would have to imply that everything outside of the point would be a universal consciousness. Represent it as light. Light is everywhere in the universe. We know that light is energy. You stand in the sunshine and it warms you up.

We also know from General Relativity that energy is mass. $E = mc^2$. So if light is energy and mass is energy. Then mass (as light and energy) represents a universal consciousness relative to any CE point location in the universe. This could then represent the dark matter and dark energy that physics believes exists, but which cannot be detected by physical means. Astro physics and quantum physics may be the same.

From this hypothetical perspective one could argue that electrons and protons cannot be destroyed. They can combine to form neutrons as a bonded couple and these neutrons can separate back into electrons and protons. This would further require that time is unidirectional, and that antimatter does not exist.

Thus the quark model and the CPT symmetry of physics would be incorrect. For example, consider the "evidence" for a positron (antimatter version of an electron) that consists of a bubble chamber track that turns the wrong way. This could just be a reflection in the CE space of dark matter and dark energy. Thus fusion in the sun could be a process in which electrons and protons combine to form neutrons and the proposed positron would be a function of a quaternion explanation of space time that transcends an explanation that is dependent on real number algebra only.

From this perspective quarks could be explained as orgasmic events in the fusion process. A proton has two up quarks and one down quark. Characterize these as comprising an up quark for a clitoral orgasm, a down quark for a vaginal orgasm, and an up quark for a reproductive orgasm. When a proton engages an electron in a reproductive fusion event it produces a neutron. The neutron is a bonded couple containing the electron and the proton, only now the proton contains two down quarks and one up quark. The up quark would still be a clitoral orgasm, one of the down quarks would still be a vaginal orgasm, but now the other quark would be a down quark as a result of the reproductive orgasmic event between a proton and an electron.

Alternatively, when a neutron disassociates back into an electron and a proton the proton will still have the clitoral up quark and the vaginal down quark, but now the quark from what is now the non reproductive orgasmic event will be an up quark.

There are many other intriguing conjectures that can be made. For example: If the structure of the universe cannot be fully described by a real number algebra and measurements made with rulers and clocks, then what if there is a Mobius strip type of non orientation between the space of stars and atoms. Thus if I, and other biological CEs, look up we see stars. Suppose that when stars look up they see

atoms, and when atoms look up they see me, and other biological CEs. This would be coupled with if I look down I see atoms. If atoms look down they see stars, and if stars look down they see me. Could there be a Mobius strip type of twist between stars and atoms that could explain this? Wouldn't that be an interesting view of cosmology?