

An Understanding of the Beginning of the Universe is Crucial to see the Limitations and Misunderstandings of Current Science, which now cloud the concepts of Life and Consciousness

Introduction

As Henry Stapp indicated in the preface of his book *Mindful Universe* (2nd version) Springer, 2011) “*The decisions of governments, schools, courts, and medical institutions, and even the personal choices of individuals, are influenced by pundits who expound, as scientific truth, a mechanical nature of the universe that contravenes the precepts of contemporary physics.*”

Since this statement still holds today, I offer another way to see the concepts of *Consciousness, Life, and Intellect (aka Mind)* differently from that which national governments and their publics use today. My ideas come from seeing misunderstandings in the science which is currently used by the vast majority of people on this planet.

Today, most scientists, physicians and politicians, and the general public, tend to look at all events as if they ‘*need*’ to comply with the current ‘*laws*’ of *material science*, as though this is a solid foundation. However, material science disregards the fact that it has an older foundation in the *primal spirit* (now called *primal energy* - see later) which is thought to have initiated the development of the universe some 13.8 billion years ago. Few of the scientists that have worked with me in the life sciences over the last 50 years have not ever seriously considered that the very beginning of the universe is crucial to understand modern science. The science in public use today is limited to work mechanically with material things, and *only* with material things, but there is much more than material science to infuse the *Code of Human Life* that has spread over this planet during the last 300 years since the death of Isaac Newton (1727). The problem I see is not with the visible things of this world which we can see and directly measure and bring us to a false reality, but rather the invisible things that we cannot see and cannot directly measure, which are the true fundamentals of the *primal spirit* which in fact development the universe. This is the proper foundation of the universe and should be the ‘backstop’ of the life of all living beings.

A Brief Ontogeny of the Infant Universe

In fact we do not know how and why the universe began. This is a mystery. We have to live with this fact. Period.

There have been many ideas, but they all contain levels of speculation. As Richard Feynman said in 1961, and in many of his subsequent lectures, science develops ideas of different likelihoods but none of these is guaranteed to be absolutely true. However, one idea has gathered significant attention and that came from Georges-Henri Lemaitre when on 9th May 1931 his letter was published in *Nature* suggesting that the universe had a single initiation event, and here I follow this concept.

The idea begins with nothing. There was nothing. This is difficult to contemplate. Then there was something. We called it *primal spirit* and it was invisible.

So, invisible *primal spirit mysteriously* appeared and began to show *mysterious* properties. There was no prior reason for it to be! We think that the first thing that primal spirit did was to create the abstract concepts of *space* and *time* in itself, in the first seconds of its existence, which implies that the idea of those properties required an intellect (or mind) to also co-exist. This was the beginning of the universe, and it began to develop from the activity of the primal spirit. This also indicates that all space and time are part of the universe. Space and Time became interactive and was then called *spacetime*, as they work together. Where there is space, there is time and *vice versa*. How this spacetime connection happens, has been explained by Hermann Minkowski in

1908, when he brought the 3 dimensions of space together with that of time. Later Minkowski considered that dimensions of other qualities, visualized by our *minds*, could be added to *spacetime* making a greater unit which I call *spacetimemind* (STM). I think STM made the foundation of the universe (*i.e.* 3 dimensions of space + 1 dimension of time + *n?* other dimensions of mind). This would give a fuller complex understanding of the thoughts that a mind could contrive. Abstract ideas were established in a *Great Mind* and could be stored, but later ideas and thoughts could be felt from minor minds which could be interactive throughout the expanding universe. Over the tens of thousands of subsequent years, these minds could develop a facility to transfer their ideas from thought to visible solid matter, making a secondary material realm in the fundamental primal spiritual realm. The structure of material matter was then mandated by the original construction and activity of the primal spirit.

It is important to know that there is nothing outside of the universe - no space, no time, and no mind. Everything you can possibly construe is in the universe. The universe is all there is. Whatever happens, it happens in the universe. The universe is infinite. We cannot find borders of it, and when it expands it does so in itself, since there is no was space outside the universe to move over.

The Great Inflation

It is thought that immediately after the abstract concepts of *spacetimemind* (STM) had taken place, the universe *inflated* exponentially to 10^{-26} in 3 dimensions at once, which was first discussed by Alexei Starobinsky, Andrei Linde, and Alan Guth in the 1970s and 1980s. This inflation took place in the infant universe, stretching one nanometre (10^{-9} m) to trillions of kilometres, between 10^{-36} to 10^{-32} seconds after the BB. The exact physical derivation for this inflation is not known, but it could have been caused by a large quantum field fluctuation. As an example, *“if electro-magnets hold an iron nail in place on the ceiling of every room in every building in your city, cutting off the electricity will cause all the nails to fall instantly to the relevant floors. So, in quantum field theory, some qualities cling together, but a sudden significant change to the environment could make them fall apart instantly.”* However, we think that *after the inflation proper*, the universe continued to expand but much more slowly.

The Advent of Matter

We think that primal spirit is *coherent* *i.e.* it does not comprise a multitude of tiny bits and pieces which can be counted independently. We should not think of primal spirit as having any material form. We think that in the hundreds of thousands of years after the beginning of the first presence of primal spirit, at what has been called the *Big Bang* (BB), the universe began to develop matter. We think that some part of the *coherent* structure of the universe began to *decohere*, separating from the whole, and then turning into visible objects of matter within the spiritual coherent realm of the infant universe. The objects of matter can be measured, and can transfer energy, invisibly, between all other material objects of matter leading to the thermodynamic rules of material science.

Note 1. The term for the beginning of the universe as a Big Bang, was first used on BBC radio. I myself listened to the broadcast as *Fred Hoyle* in 1949 used the words *Big Bang* intending to demean the idea of a single initiation of the universe. Yet his intent ‘backfired’ and ‘Big Bang’ entered the public vocabulary indicating the beginning of *everything* from that time.

The first atomic matter, *e.g.* the element hydrogen, became luminous some 378,000 years after the BB. This matter began to provide a secondary realm of science where the decohered energy became visible. Whether or not the decohered energy simply mutated into another form, or whether it changed more substantially than this, is not clear. Albert Einstein developed an

equation to cover ‘mass to energy’ ($E=mc^2$) changes in 1905, showing equivalence between mass of matter and energy, but this works only as far as the fact that ‘two way conversions between matter and energy *do occur*’ *but* the amount of energy involved in such ‘energy-to-mass’ crossovers cannot be directly measured. The spiritual $E=energy$ part is empirical. We can’t directly measure it. Albert Einstein knew this when he said:

“God does not care about our mathematical difficulties. He integrates empirically.”

Albert Einstein

As an example, if we fire an atomic bomb we should be able to ‘theoretically’ assess the amount of mass to have been destroyed, but the spirit released (*aka energy*) will be seen only in the development of new matter, and its momentum, and the changed momentum of all other associated matter; and any pure spirit left over will go back to coherence of spirit and this cannot be measured. However, in material science, spirit can be transferred from one physical object to another physical object but the spirit involved in the transfer cannot directly measured, other than by indirectly measuring changes in all associated matter and its momentum and that of its observers.

All forms of matter are temporary. Matter appears as visible objects which always have a ‘beginning and an end’ and can be considered together as a separate **material realm** of science. The first elements, hydrogen, helium and lithium quickly appeared by nucleogenesis, but other heavier elements took longer to appear, but over the next billion years, 92 chemical elements became native to planet Earth.

We have used **Cosmic Background Radiography** (COBE) to gather some relevant data, and this is excellently described in George Smoot’s book (*Wrinkles in Time*, Avon Books, 1993), and this work has recently been supported by research in the last decade. It appears that the portion of primal energy in the universe that has been used in making matter is 4.6% of the whole energy in the universe, while 95.4% remain in the universe as primal spirit. Discussion of COBE is not appropriate here.

To confirm these ideas and implications.

We think that the first appearance of spirit at the BB was a single invisible event which did not show any geo-spatial properties, but later it made invisible and visible realms that began to interact with each other. We think that primal spirit was, and still is, the fundament of all things whether they are invisible or visible. Primal spirit operates coherently in itself *i.e.* empirically, and not mathematically. Its density does not dilute when the universe expands and stays the same. When primal spirit decoheres into matter, that matter can transfer ‘spirit’ between different material objects, and these objects can show mechanical changes from *solid to liquid to gas* and *vice versa*, and sometimes material objects appear to be at the edge of these changes becoming a **plasma** which hovers between matter and energy. Some sub-atomic objects, which are too small to be seen, but can be counted as particles of matter. They therefore have had to have been decohered.

For some years after the BB, parts of the **coherent** universe began to **decohere** into sub-atomic objects which eventually developed into atomic matter, making parts of the universe visible. The universe then showed a second, but a very different realm (**the visible material realm**), within the **original invisible fundamental spiritual realm** of the universe. The material realm is seen at night as stars and galaxies, but all material objects, and all the spaces between objects, are nevertheless fully pervaded by the fundamental spiritual realm fabric. Looking at the sky on a clear night shows the material realm, stars and galaxies, but not the coherent parts of the very much greater spiritual realm.

Importantly all matter is **temporary** since it has ‘beginnings and ends.’ It is easy for scientists to avoid things they cannot see and cannot measure directly, and they can base their material science only on objects which they can see and directly measure, but this process is unfortunate and wrong, and has led science into major misinformation, see later.

Changing names is unwise

Thomas Young, despite his undoubted genius, wanted to get the concept of any *intellect* or *mind* which could not be directly measured, out of science. Young wanted a man-made mechanical science where everything could be measured and was to subject to ‘laws’ given by humans. Since we did not know what **God** was, and we could not measure **God**, **God** had to go. Young then began to change the word *spirit* to **energy** in his most important paper in 1801, so the foundation of science then slowly changed to **Primal Energy**, which in fact was just as mysterious as **God**. The word **energy** at first alluded to what spirit was thought to have been, but over the years ‘energy’ has lost its unmeasurable ghostly power in the public’s minds, so that now we often see it as having material aspects which is totally wrong. However, with God gone from science, situations still occur which material scientists cannot explain, and many scientists, notably John von Neumann, Werner Heisenberg, Albert Einstein, Niels Bohr and David Bohm, wanted an intellect or a mind to be present in science itself. Einstein used the word *spirit* (rather than energy) in a letter to me in 1946 (*I was nearly 13 years old*).

The Rough Way we use Material Science.

Everybody knows that $2 + 2 = 4$, but they don’t appreciate that if you add material objects to these numbers, e.g. 2 apples, + 2 apples = 4 apples, which can give a false implication that all the 4 apples concerned are identical e.g. when I give apples to each of my 4 grandchildren and the apples are given as presents and are equal in my thought but not identical in matter. The 4 apples are never scientifically identical. It is unlikely that any two material objects in this world are fully scientifically identical to each other, even identical twins, or two motor cars of the same brand, or two Canadian \$20 bank notes. So our science supports communities with mathematics, which can allow possible false ideas to enter our lives; and when an event occurs which cannot be explained by current science (*and there are many of these events*) they are often called “Common Sense” (*i.e. because everybody knows this, you don’t need to test it*) but as Albert Einstein said:

“Common Sense is a prejudice accepted before the age of 18.”

Albert Einstein

Note 2: When I was nearly 5 years old at Christmas in 1938, I thought that space was never empty as my father thought, and I thought it carried several invisible qualities which explained things that were common in nature, but which my father and grandfather could not explain in material science and said many events were ‘just common sense’ and did not need to be explained. However, my great grandmother (*Virginia Ransome – later died age 102*) listened to me, and said what I said was correct and I must prove it to the others. So she marshalled my family together and I measured the distance from a window to a wall as being 14ft. I then got 9 adults to stand on the line that I chalked out on the floor and re-measured it over their shoulders, and again it was 14 ft. They said “*That’s common sense. So what?*” So I told them that they didn’t appreciate that “*space goes through them*”. I said that I had brought in a load of bricks and made a brick wall in the middle of the room and the distance was the same, and space went through the brick wall. I said I thought that **time** was tied to **space** and everything that was carried by space (e.g. me and the family and our cat) will show age in them. I said we will all get older every second and this why all of us will eventually die. I also said that space also carries other qualities like fear, joy, love and hate. I said my love for my mother was not stopped by the walls of a hospital or a prison, and even if she was in Australia, space goes through the whole planet and carries age and my love.

Note 3: Later in 1954-1966 I was in Australia and found friendship with some Australian Aborigines (AA) and found out that they knew that space carried minds and that all minds, of all living beings, made an invisible community of all living things together which their 'words' translated to English was **The Living**. They thought of their being a part all of life rather one human beings life. They were aware of life around us and in us, all living beings will 'radiate' out to an invisible community. When out 'in the bush' my aboriginal friend knew where other living bodies were and always included trees and shrubs, and birds, cockroaches, and snakes. She (*Aura Smythe*) was far more aware of the local ecosystem as any white person.

Another example of the use of poor science is '*giving the same dose of the same medicine to different people of different weight, and different ages, and different sexes, and different ethnicity, at different times each day.*' This happens in western medicine, and is full of 'rough' estimations and expectations, which can alter the outcomes of the medicine in every case. These events come from a 'rough' use of scientific background.

It appears that most anatomists looking at brains and human bodies do not know the ontogeny of the infant universe, and how this can provide other ways to understand how **Minds** and **Brains** work together. My ideas do not destroy the detailed work on brains that has happened; just the opposite. However, my ideas can provide solutions to many problems in Nature that the current misunderstanding of **material** science cannot. My ideas can wash away the inability to explain many material events in the world.

Relevant facts:

Brains are visible physical material central nervous systems (CNS). They activate living bodies to do what their '**minds**' tell them what to do. Brains (*and some lesser neural systems*) act to get living bodies to mechanically move parts of 'their' bodies, or move their whole physical bodies, in geological space. Brains have evolved anatomically and physiologically over billions of years and have shown changing activities to suit different habitats to radiate life over this planet.

Brains collect data from inside and outside of their bodies, and from their minds, and have a two way **transduction** (my word) facility to transfer data between their brains and minds. How this happens we don't know, but it implies **converting molecular activities to spiritual sense** and how this occurs is beyond material science and indicates that it happens in the spiritual realm which is filled by STM and pervades all nervous systems. Pre-filtration of inputs to human brains are carried out by the anatomy of a human bodies and these will be involved in an intricate integration of co-joined dimensional 'shades' of energy that are ever changing. The packets of integrated information are received by the controlling brain which then delivers moving patterns of activity to the related mind where a developing chorus of spiritual understanding occurs. The finite details of where this happens is not likely to be geo-spatial, but in all exotic minds.

Minds. All living beings from single cells to humans have awareness of themselves and their local ecology in a mind of coherent energy. All minds show different levels of facility but seem to house *ethereal awareness* of life. Although many so-called living beings appear to have visible material structures which mask their minds, the masks are intricately structured to suggest that their material bodies show their minds and personalities. It is clear that minds have the ability to '*think*' and '*feel*' awareness inside and outside of their physical bodies, and to have control over physical nervous systems via nervous systems in a mind's own 'catchment area'. So one mind can initiate physical activity and consciousness in multiple brains at the same time, and these may be of one or more species of animals in a specified catchment area of a specific mind.

Minds. A great deal of material science is available now, and tens of thousands of researchers around the world are currently involved in the 4.6% portion of primal energy in material science, but this great interest is not seen in the 95.4% portion of prime energy in the spiritual science

realm. So what does the 95.4% portion of the still coherent energy in the universe do? I think that, among other things, *it makes a **great mind**, or many smaller **interactive minds**, which may be uncovered through further research.* It is in minds that invisible communities exist, and which living beings are aware of each other as it were.

Minds are not made of *physical material* and I think that minds do not contain, or comprise, any matter at all. Minds are entirely invisible and spiritual. I think space, time and mind (STM), are qualities created in the first few seconds of the beginning of the universe at the BB, and were the first creations of the primal energy that built the universe. Minds appear to be able to operate as invisible organs for single specific living bodies, *e.g.* humans, but some minds can operate for multiple living beings, *e.g.* ants, and some minds can operate for multiple different taxa at the same time. I give examples of these situations that I have recorded myself, later. I think that minds, being spiritual and exotic in the entire space of the universe, and being fundamental, are able to pervade the fabric of all nervous systems wherever they are. I think that minds can be aware of each other and can provide vast communication possibilities, *e.g.* **The Living**, an idea of the Australian Aboriginal (AA) communities where all living beings make an invisible interactive collection tied to each other **The Living** - see later.

Minds. Talking to a person means talking to another person's mind. Talking to 300 people whom I often did, normally implies 300 minds, but this not always so. Some human's 'brain/body' works with multiple minds, but normally one mind at a time. This leads to some humans showing multiple personality changes over time, in which *one* brain *can switch between different* minds, and this feature is quite well known and in some situations it may show a regular recurrence, but this cannot be explained in material science where minds are thought to be integral parts of brains. Personality changes are not restricted to humans. Some dogs, elephants and horses have shown personality changes.

Minds. Being aware *by* a mind gives the living being **consciousness** and **life**. Minds are not restricted to humans, but are found at different levels of understanding in all living beings, so Copepods (animals) and Cabbages (plants) may respond to controlling minds. Minds give personalities to some living beings, and they can radiate cosmically so the whereabouts of a mind is not a question to which material science can answer, since the spiritual realm of science does not show physical dimensions. The presence of one mind can be felt at different levels by other types of living beings. There may be mindful awareness between humans, dogs, horses, and elephants. Minds give invisible guiding forces to all living beings, from animals to plants. Minds are the centres of life. After death we lose all material facilities, but our minds may have a continuation as minds do not have any matter. This possibility leads to other areas in the spiritual realm, which are seldom considered because they not easy to research, but I consider some of them later in this paper.

Minds deal with invisible thoughts and ideas which can't be measured directly, but these can create disturbances in the spiritual realm of awareness in a single mind *e.g. in a specific human being*, but sometimes in a *community of humans*. Anger, fear, love and joy can appear in single or multiple situations. All spiritual qualities may, or may not cause visible material changes of situations in an individual or in a crowd. A crowd might be a group of people, or some crows (*called a murder of crows*), or other species who come together to kill, or even a particular tree species singly widely scattered in a forest, or across a city. Separated trees of the same species may bloom together, dropped their leaves, or die together, even when they are widely separated. Sadness or joy, are spiritual conditions felt by humans, but other living beings seem to feel them as well. It is important to know that material drugs may mask or damp down physical changes in bodies, *e.g. pain*, by interfering with damage, but they are not directly used to deal with other spiritual qualities *e.g. joy*.

Energy. There is only one **Type** of Energy, but there can be '**Units of Energy**'. Although we can't measure energy directly, specified amounts of energy to carry out specified tasks can be directly assessed and be called *units of energy* and these units can be counted mathematically. For example, '*the amount of energy required to move 1 kilogram of matter, 1 metre, in 1 direction, directly to a force, in a vacuum, is a **unit** of energy, and called a **joule of energy** - named after James Joule, a physicist. Another unit of energy, used in electrical work, is an 'ampère'. One ampère is the 'amount of energy required to cause a flow of 6.24×10^{18} electrons to pass a point in one second*' and this unit of energy is called an **ampère** of energy - named after André-Marie Ampère, another physicist. There are many other units of energy each having different amounts of energy, and they are all interchangeable, and indicate different 'amounts' of the 'same thing' i.e. *energy*. Using different units of energy allows us to use mathematical units of energy in different aspects of *Material Science*, yet this does not imply that different *units* of energy are made of different '**types**' of energy. This is often misunderstood, even by some scientists. If you question people about energy they often say what 'type' of energy? **There is only one 'type' of energy as far as we know.** Energy *per se* is elemental and can be carried by different units of matter, just as money is elemental and can be carried by different units of money, e.g. US \$ dollars or UK £ pounds are inter-convertible. Energy and money are standard concepts, but they are both interchangeable carriers of money or energy using different units.

Conclusion.

Throughout the last century, there has been a growing idea among scientists that the more we discover, the more the idea that the evolution of the universe was determined in its beginning. *It is necessary that all humans know they have dependency in the fundamental energy-spirit realm, as well as in the material realm. The spiritual realm is where our minds operate, and where all thoughts and emotions are generated, and where the physical activities of material bodies are controlled. I believe that all minds are meld-able and are extensions of a **Universal Mind**. I think minds of people can share thoughts instantly which could lead to a general thought, and when many people **think good things** it will help a general thought to spread and where individuals may begin to **say good things** and maybe to **do good things** to the benefit of that community, and maybe change its Code of Life. Minds operate as invisible exotic 'organs' for all living beings spreading though space.*

Energy pervades all aspects of the universe as spacetime (STM). It functions as the abstract elemental control of the fabric of the universe. It includes a mind or minds. Minds are spiritual and do not operate mechanically. There is no such thing as empty space. All space is full of energy, time, and mind. Some spaces contain matter and others do not, but everything is full of STM. All that we visualize we see and feel as a chorus of intricate complexion in our minds. The potentialities of minds were established in the first few seconds of the universes existence. It is the separation of brains from minds that opens doors to some unexplained events in material science.

*At the beginning of everything, called The Big Bang (BB), primordial spiritual appeared from a singularity which then created the universe **in itself**. The primal energy first initiated Space, Time, and Mind in the first seconds of universe and co-joined then together as a united abstract facility called spacetime (STM) which subsequently added other qualities or dimensions to the infant universe **prior** to a great inflation in the infant universe. The infant universe was then invisible, coherent, and spiritual and did not operate mechanically. Later 378,000 years after the BB, the coherent primal universe had developed decoherence to make matter which was when matter became luminous and directly measurable, making a separate physical realm operating mechanically, within the greater energy spiritual realm. After billions of years after the BB, humans developed, and then made material science which operates mechanically. All this has been generally accepted, and it is a fact that 'mind' has guiding facilities which mandate the activities of matter integrally, inside the universe. This idea moved the concept of God from an outside inspector, to an inside control. Minds have had guidance control of the universe from the beginning. Any reader of this is an integral part of the universe. Your mind may be continuous with other minds. You can talk to 'the' intellect or mind (or God if you like) in your mind. You are now alive in the primal energy of the universe which is fundamentally spiritual and not malicious. The spiritual realm is partly hidden from us, but we see it in our minds. Indications are that it operates very differently from the material realm we*

are aware of. Creations in the energy spirit realm can be permanent, but matter in its own realm is mechanical and temporary. Matter can disappear and return to energy not showing this because of the invisibility of energy. Intellect or mind is present in all living beings from camels to cabbages. Hounds, horses and humans can make their own decisions without looking for outside help, as their minds are alive in the primal energy of the universe, and this is where ideas can develop, think, and integrate and control all physical activities via brains or other anatomically nervous systems. If this is true, and I think it is, then all the following are potentially possible.

1. **One local brain can switch between two or more exotic minds, but not both at once, leading to multiple personality conditions.** I think this facility is far more common in humans than is realised, even where one person can switch to two different minds with two different backgrounds, and two languages, and in two countries, at the same times, e.g. during WWII. (See the Lady who visited Billingshurst. ^{**3}).
2. **Multiple local brains can be controlled by one exotic mind showing herd behaviour** e.g. groups of sheep, flocks of birds or shoals of fish can show similar movement and intention coming from one exotic mind. All the sheep, birds or fishes, then behave as 'one single thing' where the control is in one single exotic mind in the spirit realm of energy. A mind can have the ability to gather or disperse the flock or shoal in an instant.
3. **Multiple minds can operate together, without any transduction to a brain, giving instinct, intuition, and telepathy** throughout the universe in which other minds can search.
4. **One mind can communicate between different genera, e.g. dogs and humans at the same time** (see the Miranda Event. ^{**3})
5. **Invertebrates can use exotic minds to control their nervous systems at different levels of sophistication** e.g. millions of ants can make a chain, 1 metre wide, 1 kilometre long, moving, and similarly avoiding obstacles. This type of control happens on the ground (spiders and scorpions), in water (copepods and crabs), and in the air (bees and butterflies). Trying to catch one of these animals may show similar activity to humans in the same situations.
6. **Different brains of different genera, can operate together at the same time using one mind** e.g. when elephants, cats and monkeys, suddenly move together to avoid a forthcoming but unexpected tsunami, and humans, horses and hounds do this to avoid earthquakes.
7. **Minds can transcend the material death of a person or animal, since minds are not temporary. They can provide data from a dead person to someone who is alive now and was born after the dead person died..**
8. **A living person can theoretically access the mind of a materially dead person, and therefore provide a solution for incarnation or ghostly activity.**
9. **A single event can be seen differently at different times by different minds, and also be seen in parts by one or more multiple minds** (i.e. people using their own exotic minds) **at the same time, and that the parts of an event can be seen at different times by others** (see The Walker's Store Event. see ^{**3})
10. **To be connected to the spiritual realm (i.e. dark energy realm) is to be alive. Minds are not mechanical but spiritual and can think and forewarn unexpected possibilities.** Matter per se is never alive.

Many of these ideas have been discussed by other scientists and millions of pet owner's who see emotional events occur between animals, but they do not know how these things can happen. We do not know how the spiritual realm works, but it does work, and should not be dismissed. See:

^{**3} *An Avant Garde Essay* at <http://cypsela.net>.

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