

First Breath, Leaf of the Throne, Week One
Meditations 1-4: Thirteen Moon Calendar, Science of Time, Cyclic Order
Core Curriculum: Art

Second Meditation: Learning Pattern - Humility Refines Meditation
Thirteen Moons, Defining the Form of the Cosmology, Third and Fourth
Dimensions, 12:60-13:20
9 Hand

Bolon Ik: As I entered the room this morning, I experienced unconditional love, and out of this cradle of love we are here to evolve together fully into the Dominion of Time. So again, welcome to this second teaching day. This is the day to deal with the learning pattern, and the statement for today is "humility refines meditation." So I will begin today with a brief presentation. You already had a beautiful meditation with Vandir Natal Casagrande. So I know you've all been informed that today is Kin 87 - Blue Solar Hand, and out of all the readings for today, I experienced as most appropriate for this presentation and meditation, verse 41 from section seven of the Telektonon prophecy, which is entitled "Lord Buddha:"

"'All composite things are impermanent,' declared Lord Buddha at his death, 'Be a lamp and refuge unto yourself, look to no outer authority but yourself!' The fire of Lord Buddha's illumination lit many lamps. The book of Enlightenment he left with the Earth is a book for all to know in silence with the Earth. "

The subject of my discussion today is cultivating the experience of Radial No-Time. I will speak of unconditional meditation. We represent here a bio-diversity. We come from many cultures. We speak many different languages and dialects, so we must consider how we can actualize our bio-diversity; and the method is for each of us to take individual responsibility. So we may ask the question: "How may we as individuals develop personal discipline?" So again, in order to cultivate the Radial No-Time we can look to a simple technique:

Straighten your spine. This is the awareness of your body, and from this posture which is upright, Heaven is above and Earth below and you are the conduit. And the next technique is to bring your awareness very simply to your breath: as you exhale you follow your breath out, and when you get at the end of your breath this is the moment of No-Time and naturally there comes the moment when you take the next in-breath. In this attention to your breath you soon experience your mind and when your mind has many thoughts you simply label it thinking and go back to your breath. Exhale, relax and naturally the next in-breath will occur. So each time you find yourself thinking in a state of tension or whatever comes up, you return yourself to your posture, become aware of your breath and return to the Radial No-Time.

From this meditation awareness your personal discipline begins to develop. Many times you notice you fall off your balance, so the way in which we can use every experience that we have is through unconditional self-love and come back to your balance. So that

as we walk around, as we go to meals and when we have interactions with each other we can practice listening first and then we can hear; and also we can see first and then look at what is going on around us. In both of those examples it is to let yourself receive and in this way you will have a good reaction. For example, before you speak it is good to know to whom you are speaking. Because if you know what language they speak you may be able to communicate better. Now these are simple methods of common sense. But we are very funny humans and many times we feel very self-important and we get ready to present who we are to others, and maybe again we find our self falling off balance. So again, come back to unconditional love, and with this self-love we can interact with each other with compassion.

These are simple methods and techniques by which we can live in harmony even though we are each a beautiful and perfect individual. So each one of us holds equal power and place, but because we live in our cultural bio-diversity, we can develop our harmony by being synchronized in time.

Valum Votan:

Very good teaching! If only we could remember that all the time. We are here with a supreme dedication to persevere in the truth because ours is a sacred struggle. All perseverance in the truth is sacred, and the highest cause to which we can give our human life is to a sacred struggle: until there is harmony with all creatures we do not cease in this struggle. And at the same time, to get involved in this struggle and to have genuine success we have to remember the teaching which we just received. To remain quiet and tranquil in the center of chaos, this is the supreme teaching. And in the very center of this chaos there is the radial No-Time.

In this radial No-Time which we call "the radial here and now," we realize that there is no beginning and no end. We have always been here and we have never been here at all. This is the nature of time. We have been speaking yesterday in a very fundamental way. We are also presenting perspectives that we have not presented before and so we wish to continue in this manner. Today we will go from the point of the radial now, to a consideration, first of all, of the cosmology of time.

The cosmology of time has no beginning or end; this is very different from what is referred to as the cosmology of space. Today all of the astrophysicists are looking for the beginning and they send big telescopes into space and they say, "I think I saw the Big Bang over there!" or "I felt the vibration of the Big Bang; we are getting close." Well, the truth is that if the scientists stop their mind, they will find themselves at the beginning. They really don't need to spend all of their efforts to find the beginning; if they want to find the beginning, maybe it would be better to pray to God and see what God has to say. But this gets down to the very profound issue of the cosmology of time and space.

When we talk of the cosmology of space we are always thinking of coming from some abstract beginning; we know that in all the spiritual traditions there is, of course, a point

that says, "God had a thought." And we think that this thought was in some absolute point. Maybe God is having this thought right now, and he did not have it 15 billion years ago. So we think that thought may be occurring at this very moment. When we talk about cosmology we are talking of the origin and nature of the cosmos - and what is cosmos? Cosmos means order, very similar to cosmetic; cosmetic is how we make it look like order. We find that cosmetics is very necessary. So the cosmos is the simple order of everything. The universe represents the order of the cosmos.

Usually when we think of the universe it is from the perspective of the mind of space, so we look especially at the night time sky and we see millions and millions and millions of stars. It is very good to be able to have the opportunity to lie on your back and to look for hours at the stars - then you will not have an ego any more. Why is that? Because you realize how infinite everything is. But you don't have to try to see out there where it began because it began inside of you. So we begin to understand that when we talk of the Law of Time, we must redefine cosmology.

The origin of the universe and life is not in space. The origin of life and the universe is in time. And also when we look at the night and see the stars, we are experiencing space that is infinite and maybe as we dissolve into that infinite space, we might also have experiences possibly of other dimensions. This is a very key issue: The cosmology of space is dealing only with the evolution in the third dimension and does not really take into account the simultaneous existence of other dimensions - and we have to appreciate and involve ourselves in the existence of other dimensions. The Law of Time redefines the perception and nature of cosmology. We have said that time is of the mind and also that time is the fourth dimension. It is very important to understand that when we say "time precedes space," we are also saying that the fourth dimension precedes the third dimension. There are other dimensions beyond the fourth but where our evolution is at this point, we are between the third and the fourth dimensions.

The Evolution comes from the higher dimensions to the lower dimensions. At the beginning, at the highest level there is nothing but pure mind. There is slowly the development of the thought of this mind: there comes to be a discrimination of different forms, and these forms are actually mental structures. We have to ask the question: "Whose mind?" and "To whom does this mind belong?" There is really one answer: This mind belongs to the Supreme Creator. The universe, when we look at it, has tremendous form and order. The materialist third dimensional science says that all of this came about randomly, that every thing just happened by chance. From the first Big Bang a whole set of effects was set in motion and all of these effects created a large random order, and strange chemical permutations and so on, created the stars, the planets and even life.

And modern science says that there is no particular purpose, that it just happens. That is a very limited point of view because modern science makes an absolute point to not consider God, to not consider that there is purpose beyond the existence of random atoms. Because of this, modern science actually limits itself. It has a built-in bias; it does not consider that it is affected by its prejudice - so we have the most fantastic theories

as a result of this prejudice. For instance, Stephen Hawking, who wrote a book called "The History of Time," when asked to go further on what he meant about time, said that before the Big Bang the universe existed as the size of a pea. And that somehow this pea decided to have a Big Bang, and this created the universe and time.

Also we read that the scientists have almost completely realized the theory of the Big Bang, and they say that they understand now everything about the theory except one point. They still cannot explain what happened in the first one trillionth of a second. Well, if you can't explain that, why should I buy your theory? If they did not have a prejudice against God or some divine mental ordering principle, they would know what happened in that one trillionth of a second. This I am only giving to show that the third dimensional science is very limited and irrational. As we shall see, this irrationality is really a function of never questioning the irrationality of the calendar that all of the scientists are following.

At Kitt Peak Observatory, which is one of the largest observatories on the planet, just outside of Tucson, Arizona (USA) (actually the Vatican has a telescope there - the Vatican's main observatory), there is a large mosaic mural. What does this mosaic mural represent? The astronomical thought of the Maya. There is an inscription that says the ancient Maya kept a calendar that is more scientifically accurate than the Gregorian calendar. Now, scientists are so irrational that they can say this, but they refuse to put it into effect.

This is a very important point: What we are talking about is the limitation of the third-dimensional science. It is limited because it does not have a proper understanding of time. Even when they are presented with the fact that the Mayan calendar is more scientific than the Gregorian Calendar, they cannot consider replacing the Gregorian Calendar with the Mayan calendar. This may be the reason the Vatican has an observatory there. We might also ask: "Why does the Vatican have an observatory there?" We do not need to answer that. They might be looking for angels.

When we say, "What is the origin of the universe?" we answer: "Well, there has to be a point of intelligence." Where there is any case of order there is an intelligent purpose. And for there to be an intelligent purpose there has to be an intelligence which directs the purpose. We cannot see what this divine intelligence might be. This divine intelligence has wrapped us in the mystery of itself. The process of life is to come to understand this point. So when we say, "This is what the universe looks like," here in the center we have God, and from the center, which we can say is the mind of God; this mind of God releases thoughts which we refer to as energy. And this energy takes many, many different forms of evolution through different dimensions. And it goes in a direction like this {showing the chart, "The Dynamics of Time Showing the Evolution of Time as Consciousness - $T(E) = Art$ "} returning again to God: continuous circulation that has no beginning and no end.

It is a process that has different stages, and these stages go from the creation at the third-dimensional level, of what we call stellar mass. This stellar mass is in a condition

that we call pre-conscious. The pre-conscious state creates all of the inorganic forms of order. We can see there is a lower and upper part: this lower part we refer to as the Domain of Potentiality, the upper part is called the Dominion of Time. So the evolution of the universe is actually the evolution of Time as consciousness. So we see it is also divided in this way... {still referring to the Evolution of Time graphic, now pointing to the vertical:} Over here we have the pre-conscious, inorganic, atomic.

We have to understand that what is evolving is stars. We are just little micro atoms of stars and we are here to learn how we are going to participate in the evolution of our star. So when we go to this side of the line {pointing to the bottom right of the Evolution of Time graphic} we go from the inorganic to the organic cellular. We also pass from the pre-conscious to the unconscious.

All of life participates in the cosmic unconscious, and life is a secondary reflex. Life goes to third dimensional space taking our form, what we call the human form. Then life reaches its peak of evolution, or we could say that through the human form the unconscious reaches its maximum peak of evolution. The purpose of the human is to go from the unconscious to the conscious: this is why Bolon Ik was giving her teaching earlier. We come to this point: "How do we go to becoming completely conscious?"

Techniques like meditation or prayer are to snap us from the unconscious to the conscious - kind of like, "Hey, wake up!" But how do we stay awake? This is an evolutionary process: to stay awake, to become fully conscious. The definition of going from the unconscious to the fully conscious is made by the discovery of the Law of Time. Right here {pointing to mid-right of Evolution of Time graphic}, this represents the point where we are halfway around in the evolution of time as consciousness. Once we discover the Law of Time we pass from civilization to another condition of being which we refer to as a planet art spore.

This is a conscious collective cosmic condition, and when we go into that condition, then we will cease the physical evolution, and we will enter purely into the mental spiritual evolution. Then we will understand how to extend our mind and senses out of ourselves, to become completely involved in the process of nature. What we see here is the 13:20 frequency matrix {referring to Tzolkin grid on Evolution of Time graphic}, everything that happens here in the universal evolution passes through the 13:20 matrix ... it comes down to one point, your mind. From the point of view of time, space is nothing, but a point that can be located anywhere, because all that you consider space is in your mind, and everything that you consider of the universe is in your mind. Each one of us is this point, a little point, a body in time. This is graphically one way of presenting the cosmology of time.

Historically, in the Eighteenth Century there was the dethroning of theology: this is what created the prejudice in science. We are not afraid to put God back in the center, because God is there anyway, so we might as well admit it. As I suggested, however you want to define God, there is a point of intelligence that creates the order, and where there is order there is purpose ... What is that purpose? That purpose is to become

more conscious at least for the stage that we are in at this point, as humans on this Earth. Our point is to become more conscious, to remain conscious, to understand that where we are, right here in South America, is a very small point on this planet. {points to Chile, South America, on a little geophysical globe} This planet is obviously much bigger than any one of us, and all of us put together. So we find ourselves here; how did we get here? What are we doing here and where are we going? This is the basis behind what we call the New Theology of Time.

Before there was Earth what was there? What was there? There was a thought, a thought that said, "be", and there were the beginnings of stars, they spun around and created families, and in the families there were forms that we call planets. But the important thing is that the "thought" came first. There was a thought resembling a blueprint and this blueprint, before coming into the third dimension, was in the fourth dimension. In that fourth dimension was the sense of time, because it said first in the blueprint there is a star. Many stars create a group called a galaxy, and the galaxy is a super, super, super being! It is a living order; we must understand how small we are here. But this is very small compared to the galaxy, so how small are we? When we consider the relation of the atom to the galaxy, we are kind of in the middle ...

This is all to maintain a perspective, and to guard against self-importance. In the cosmology of time we are in that place between the third and fourth dimension. Now people talk about the fifth, sixth and seventh, but until they have mastered the third and fourth it is pointless to talk about the fifth, sixth and seventh, except for little points of reference regarding the "very far beyond." When we talk about the fourth dimension we are talking about the dimension of mind and time, and this can be referred to as the realm of imagination. This imaginal realm is as real as the physical. You only have to remember your dreams to know this. Whatever dream you had last night, it seemed very real while it was happening, and it was very real. Where did that dream occur? The dream occurred in the fourth dimension. In the imaginal realm.

This fourth dimension is not the same as virtual reality. Virtual reality is just a concept, but it is not a concept that participates fully in the fourth dimension. As I said the imaginal realm is every bit as real as the physical realm. The famous Arab philosopher, Ibn al-Arabi, wrote very extensively about the existence of the imaginal realm and made very great definitions of the qualities of this realm. Later on, we will make available Ibn al-Arabi's 28 steps ... 28 steps that create the cosmology of the imaginal realm. Of course, the 28 is the same as the twenty-eight days of the 13 Moon Calendar. It's very interesting.

To underline our point here: in Ibn al-Arabi's Cosmology of 28 Steps, the human being appears only in the last two! In the 27th step, the human represents the variety of existence. The 28th step represents the human that is capable of evolving in stages. So when I bring up Ibn al-Arabi, as I said yesterday there is a perennial philosophy, this perennial philosophy touches on the true points of cosmology and mathematics. We see that these true points of cosmology and mathematics correspond to the actual measure of time that is appropriate to us, 28.

So we can then describe the fourth dimension as being mental, imaginal and preceding the physical. Not only does it precede the physical, it contains the physical. As vast as the universe is when we lie on our backs and look at the stars at night, it is actually small when it is contained in the mind. In fact you can see it all, your little point, your body in time that sees it. And your body in time and your mind are actually participating in the even larger mind, in the mind of God. So the third dimension then is the physical, concrete manifestation or projection of the fourth dimension. Not anything that we have invented existed before it was a thought in the mind.

This is a very simple way of demonstrating that the thought precedes the manifestation, that the mind precedes matter, and that time precedes and contains space. We know that Einstein said that time is the fourth dimension but he had no further statement about it; it was not clear to him even how great time is. The fourth dimension of time is quality that cannot be measured by spatial instruments. Einstein did not know that all of the instruments of the science were simply instruments for the measurement of space. And even the instruments that they thought were measuring time, like the clock, were nothing but measurements of space. For this reason Einstein never really arrived at the unified field theory. As brilliant as he was, he realized his tragedy (especially after the atomic bomb). He very much went into retreat for the rest of his life until his death in 1955. It's very interesting that in his final days his caretaker was his sister, whose name was Maya. So maybe he had an intuition at the end. But all of this is to indicate that The Law of Time provides a very profound critique of the modern civilization and of modern science.

The modern science always plots out the reality in this form, {draws a Cartesian grid} where you have x and y coordinates and time is always just a small "t" which is depicted as a line going this way (towards the right, horizontally). This is the whole paradigm of modern science. It was Descartes who devised this Cartesian grid. It is very interesting how Descartes came upon this grid. Descartes was in his kitchen one day and there was a fly; he was thinking, "How can I get that fly?" And in his mind he suddenly saw a grid and he said, "If we have a grid like this, then we can plot the movement of the fly until we can finally get him." And this is the basis of modern science. The point is time is always written with a small "t" and is depicted as a line that moves in this direction (horizontal, toward the right) beneath the grid.

Obviously from the point of view of the Law of Time this is a very, very inaccurate grid. Because of this the third-dimensional science looks for origins in space, doesn't understand the fourth dimension, rejects the possibility of God, and creates what we call the modern "Frankenstein science." Without God the scientist thinks that he is God, otherwise they would not clone sheep and get into genetically modified food without any conscience or consciousness of the actual effects of interfering with the laws of nature. At the same time, we also totally see how this - what we call a third-dimensional space science - is actually based on the mathematics of imperfection, always looking at the final little fractions and interpreting that to mean that there is no harmony.

This creates what we call the ceaseless materialism. Because science is totally based in the physical and in the spatial, the scientists assume the authority of God. And the society confirms this authority so that the scientists are the high priests of materialism. Whatever scientific idea there is, its value is considered in terms of how it can be applied in order to make more profit. So we have a very vicious circle which is described as materialism—and the image of a science without the concept of time or God, that has its unconscious roots in a calendar which is an incorrect measure. All of this then supports a process where the purpose is to absorb and utilize as many natural resources as possible as a demonstration of the technical superiority of the ideas and methods of the science. This, of course, we are describing in a somewhat philosophical and abstract way; but it actually has social ramifications. The technique and method of absorbing natural resources creates what we call the industrial society.

We have to remember that all these machines: "Where do they come from?" "What is the source of the machine?" It's very interesting that in Baghdad, in the 12th century, (something very few people know is that it was then the information center of the planet!) that the largest industry in Baghdad was the creation of books, which of course were all done by hand. It created a lot of work for people. It created many libraries and there were as many books produced in Baghdad in one year as there are now recently produced in a place like New York. Among these books there was an Encyclopedia that contained the diagrams and blueprint for more than 300 machines. It is interesting that not even a single one of these machines was ever created. The people who created these images of machines just kept the machines in the imaginal realm. They did not consider that there would be any value in creating these machines. The creation of these machines was considered an exercise of the imagination, but the idea of making these machines real, into the physical third dimension, was never considered: "Why?" Because they would have devalued human life.

There is the story also of Haroun Al-Rashid, the Caliph of Baghdad at the time of Charlemagne. When he heard that Charlemagne was being crowned as the new Roman Emperor of the West, he wanted to honor Charlemagne and he sent him many gifts, including a toy. And what was this toy? A clock. It was of little value to Haroun Al-Rashid, it was a pastime created by the sages of his court. But they never thought of giving it any more value - why? Because there was no soul in it. But when it ended up in the court of Charlemagne, it fell into the hands of some Christian monks, who were very fascinated by this device; and from this evolved the modern clock, which was really the first machine.

Now we have to understand this: what was this machine, the clock? What did this machine do? It took time from the fourth dimension and mechanized it into the third dimension. This is a very very very profound moment in human history, because once this time was mechanized and there was a formula for creating clocks with precise measure that had been absolutely perfected, then it was possible to make machines. This occurred at exactly the same time that Pope Gregory XIII created the Gregorian Calendar reform, in 1582. So from this moment when time had become mechanized, the imagination lost its power, or I should say that imagination lost its value for modern

life. After that it was easy to create the Scientific Revolution, the Industrial Revolution, to dethrone theology, make the artist in the society more and more a marginal person and to create psychoanalysis.

Welcome once again to part two of today's presentation. When we completed part one I made a reference to the third dimensional space science and the mathematics of imperfection. Because of the mathematics of imperfection there is ceaseless materialism. When we talk about the fourth dimensional time science, then we are talking about a holonomic mathematics of perfection. What Einstein did not know about was the existence of an entirely different mathematics. The mathematics of space is basically a decimal mathematics which literally means based on 10. Why is this imperfect? Because I have 20 fingers and toes. Decimal 10 is only half the count. In modern civilization of course it's comfortable to wear shoes, but this is no reason to look at bare feet in disgust. We must take into account our toes as well as our fingers if we want to think of ourselves as a whole human. This is both an obvious and a subtle point. The mathematics of wholeness or the holonomic mathematics is based on 20 and not on 10. This was the mathematics about which Einstein knew nothing.

Because of the dominating culture, even those archaeologists who knew that the Maya used a 20 count were unable to see in this 20 count anything more than an indigenous aberration. This is very similar to the statement at the Kitt Peak Observatory, that even though the Mayan calendar is more scientific than the Gregorian calendar, because it was Mayan it was just another indigenous aberration with no value for the modern world. However, the Law of Time states it altogether differently. The 20 count corresponds to our 20 fingers and toes and therefore it is a whole system, whole human mathematics.

I would like to demonstrate how this mathematics works. It is totally holistic and visual. It is often referred to as dot-bar notation and that is very holonomic and visual. It is very different to see one dot and '1' and two dots and the number '2' written this way. These numbers here are conceptual and literate, these numbers are totally visual and holonomic. 1 is one dot, 2 is two dots, 3 is three dots, and 4 is four dots, and then 5 is a bar. 10 is two bars. If we want to write 6, it looks like that (a dot above a bar). Seven would be a bar with two dots. 10 is two bars; 15 is three bars. 20 is written like this, with one dot above and below, the 0 notation. The Mayan had a concept of zero before that concept was developed in the Old World. {Graphic, Dot Bar Notation}

We would write, for instance, 21: here, at this level one dot equals 20. You write 39, 15 and 4 dots, that's 19, and in this position that one dot equals 20. Very clever. 40 would be 2 dots (in the second position), and so on until you get to 400 with one dot and two zeroes. At this level here (showing first level) one dot equals one; at this level here (showing the second) one dot equals 20; at the third level one dot equals 400; at the fourth level one dot equals 8000; and at the fifth level one dot equals 160,000: this is a demonstration of a very different type of mathematics. This is the mathematics of time

and the fourth dimension, and, of course, it does not look like the mathematics of space and the third dimension. This mathematics was the mathematics that was used by the Mayan civilization.

As we indicated yesterday, the Maya were masters of time. Here {pointing to location of Central America on Geo-globe} was the location of the Maya civilization, in Central America, today what we call Guatemala, down to the Yucatan peninsula, a very small area if you look at the planet. It was in what we call the New World, as opposed to the Old World. In the Old World the calendars that developed through history were lunar calendars. We can say the Old World is the world of the night and the New World is the world of the daytime. The Old World was totally based on the mathematics of 10, whereas in the New World the Mayan civilization developed a mathematics of 20 and with this mathematics were able to make astronomical and calendrical calculations of fantastic levels. In some of the Mayan sites we have what appear to be dates that go back into the past 400 million years, or even as far back as 25 billion years. Of course this is a great puzzle to the Western archaeologists and scientists. Why would people living in the Stone Age, without metallurgy or development of any other refined technology as we put it, why would these people have such an evolved mathematics? What events in the remote past were they remembering? And why were they remembering these remote events? Were these just mythological moments, or was there some more scientific reason?

The Maya were using more than 17 calendars, so we find that in the mental development no other people on Earth even came close to the sophistication of time and mathematics as did the Maya. This civilization, as we mentioned, developed in Central America and seems to have had the peak of its development in the period between 435 and 830 of the Christian Era. This was the peak period where the most building and erection of time monuments occurred. As mysterious and strange as the time science and calendrical knowledge of the Maya is, or was, it remains a fact that in the year 830 there was a sudden cessation of activity. No longer were the time monuments being erected, the major centers seemed to all have been abandoned and what is now called the Classic Maya civilization came to an end. Some 150 or 200 years later there was a type of Mayan Renaissance, but it was a very changed type of cultural form.

The most conspicuous feature of the Mayan Renaissance, in relation to what is called the Classic Maya period, was that the stone markers that had all the big dates on them were no longer being maintained. Instead of what is now called the Long Count, the Mayan Renaissance or the Toltec Maya, simply kept count in terms of smaller cycles. 20 year cycles, cycles of 52 years and the largest cycles, the Ahau cycles of 256 years. I don't want to go into all the details of the actual mathematics or the history of the Maya at this point, other than to give some feeling of where this knowledge of time and mathematics came from.

When the Spaniards arrived in Mexico and the Yucatan early in the 16th century the Toltec Maya were still flourishing, mostly in the area of Yucatan, but also in the highland

of Guatemala. Of course the Spaniards did everything they could to terminate the Maya. They were especially concerned in terminating the knowledge base. By the end of the 17th century, in the year 1697 the Maya were no longer a political or national entity. They were then absorbed into the new colonial culture. Of course in some of the outlying areas the ancient traditions were attempted to be maintained. For the most part the knowledge of the whole civilization of the Maya was forgotten.

It was only in the 19th century that curious seekers, travelers and archaeologists began to discover in the jungles some of the ancient temples and cities. For the most part even the contemporary Maya knew very little about these places. To the romantic imagination of the European and the Westerners of the 19th century, the discovery of the ruins in the jungles excited the imagination of the lost empires of Atlantis and Lemuria. That's all very interesting. The question by the 20th century was: "Well, why did the Maya disappear and why did they have such an evolved mathematics?" For the most part the earlier 20th century archaeologists were fascinated with this, but they did not have the mind to put it into a larger perspective. In the end the understanding was that this was simply a mental aberration, an evolutionary stream that went nowhere.

I, of course, became involved in this whole process as a child and for the rest of my life. In 1987 I put out my first level of thinking in a book called The Mayan Factor which is subtitled "Path Beyond Technology." In my understanding and study of this I decided to take seriously the mathematics and also to take very seriously what was the message that the Mayan civilization left behind. I had always looked at this planet and had been fascinated by the radial symmetry and the bilateral symmetry. We have the poles, North pole and South pole, which is very interesting. We also have the Eastern hemisphere, or Old World and the Western hemisphere, or New World. I always felt that there is holonomic consistency that the Eastern hemisphere is like the left hemisphere of the brain and the Western hemisphere, the New World, is like the right hemisphere of the brain.

Around the planet there is actually a planetary brain, or mind, which has functions like the left and right hemispheres of the brain. As we know the left hemisphere is supposedly the analytical/technical/rational which is related to the right side of the body and the right hemisphere of the brain is associated with the intuitive/artistic/mystical and it is associated with the left side of the body. If we look at it then we see that the Old World developed a particular style and form and that in its conquest of the New World it was very similar, or very analogous to saying that the left side of the brain now controlled the right side. That the technical/rational/analytic faculties now dominated the intuitive/artistic/mystical. We know that if this actually happens biologically or physiologically then we are going to actually be committing suicide.

I saw that the Maya actually, the civilization of the Maya creates what is called the Mayan Factor. The Mayan Factor is what we call the overlooked factor in history. If we say it is the overlooked factor, if we come and reconsider it, we can put our brain back together. This is the point, that the knowledge, science, and mathematics of the Maya which is the knowledge and science of time, is what is necessary to make the brain

whole. And to make the brain whole is to make our body and our physiology whole. This we can refer to as the holonomic dialectic which is the Old World/New World, left brain/right brain. This represents a very important consideration to understand who we are and why we are here: that we are part of one whole system and that if we deny one half we end up killing ourselves. So there are many different levels to interpret this metaphor, the most important point being that by denying the knowledge of the Maya we reduced ourselves to thinking of time as the little 't' running beneath the Cartesian grid.

Most interesting about the Maya is that they had a comprehension of the whole of history. This is the scheme of history that the Maya worked with. {Graphic, 13 Baktun Harmonic of History, pp. 116-117, The Mayan Factor} It's called the cycle of 13 Baktuns, or the Great Cycle. The Baktun is of the fifth mathematical order, but the count of the fifth order, this 160,000 per unit value, is the absolute count. There is a second order, which is the order of time. Instead of counting to 400 at the third order, it counts to 360, which is 18×20 . The fourth order then is not 8,000 but 7,200; and the fifth order, we find in the "Book of Revelations," is 144,000. This is very intentional, that one Baktun equals 144,000 days.

{Utilizing 13 Baktun graphic} Here are the 13 Baktuns, 1.. 2.. 3.., etc. Here is the seventh in the center. Remember we talked about the 7. You see a symmetrical pattern on either side of the 7. There is nothing of that symmetrical pattern (Loom of Maya) in the seventh Baktun. The 10th Baktun, this is where the Maya civilization occurred, at its highest point. Here we are in the 13th Baktun. This map of history is again based on the same timing 13:20 frequency matrix which we saw earlier {showing Evolution of Time graphic}.

The Maya saw that the whole of history could be mapped on the 13:20 timing matrix. So you have 13 Baktuns, each Baktun is 144,000 days. Each Baktun is divided into 20 parts. Each part is called a katun and consists of 7,200 days. We see that there are exactly 260 katuns. Katun actually means "20 count", ka or kal is 20. There are 13 Baktuns and times 20 katuns is 260 katuns in all. We will say, "Where are we?" Right at the very last katun! In 1993 began the last katun and it ends in the year 2012. With the Maya count, this is the cycle of history, which begins in the year 3113 B.C. At the very bottom is the closing, which is the Winter solstice of 2012; more than 259 katuns have passed, we are in the 260th katun and this katun will soon end.

This is the real millenium, 2012. 2000 is just a fake millenium. It is not registered in the complete count. So here we are and this is exactly why we are doing what we are doing now. When we talk about the disappearance of the Classic Maya, it occurred at the very end of this Baktun, which was the 10th Baktun. Then there were three more Baktuns before the end of the count. The Maya knew precisely to begin their count in 3113 B.C. and that the end of all of history would occur by the winter solstice of 2012 - that this would be the complete end of this whole cycle. What does this mean? When we see that the Maya disappeared at the end of this cycle here, that by this point here in the 12th Baktun the Spanish conquest occurred, and by the end of the 12th Baktun the

entire civilization and of all the New World was exterminated. That's 12 Baktuns times 144,000, which is 1,728,000. That means that that many days had passed since the beginning of that cycle and that when this 13th and last Baktun cycle started it was the year 1618.

This final cycle, the 13th cycle, was to be the cycle of the absolute triumph of materialism. The indigenous civilizations had been either exterminated or were being colonized by other means. What we call the Scientific Revolution began exactly in 1618. After 100 years, or five katuns, began the Industrial Revolution, coming at last to the point where we are now with scarcely more than 13 years before the end of the cycle. This is a cycle of 5,125 years. We now have 13 years left. This is what we call the true millenium.

We understand by the concept of the millenium the coming of Heaven on Earth. We see the 144,000 days of the Baktun in Chapter 7 verse 4 of the Book of Revelations, and those numbers are very important. We have here the first mention of the 144,000. For instance, why I said that number is very important is that it is Revelations 7 verse 4. When we write 144 in the vigesimal notation it is written this way 7×20 is 140, plus 4 is 144 and when you translate that into Arabic notation it's written 7.4. The first mention of the 144,000 in the Book of Revelations is Chapter 7 verse 4, so this is more than a coincidence. As I said the Maya were time masters and through their understandings of the timing frequencies and the cycles they were attuned to what we might refer to as different prophetic streams.

All prophecy has to do with time. That's the meaning of prophecy. We will touch this theme in the third week because there are many, many points to be clarified. All we are trying to do now is present some aspects of the Mayan mathematics and time knowledge which encompass all of what we call history. If you go and look at the Western archaeologists and historians, they all will say history began around 3100 B.C. and this is exactly what the Mayan time science says but, even more precisely, it began in 3113 B.C. Of course you can study and read more about that in The Mayan Factor. This is being presented also as a demonstration of a different type of mathematical knowledge. As we said yesterday, everything in the universe is created in form and measure, which corresponds also to history, and includes history. The cycle that was presented in the 13 Baktuns is just a very, very mini-fractal of time. The Maya knew that there was a 26,000 year cycle of which this 13 Baktun cycle is only one-fifth - the final fifth of the current 26,000 year cycle.

The other day at the opening ceremony we had a representative of the Mapuche people who presented us with different mandalas and she spoke of the passage from the Fourth World to the Fifth World. When we talk about the end of the cycle we are talking about going from the Fourth World to the Fifth World. Most people who work in the stock market of course don't believe a word of this and most of the people that run the governments or the heads of corporations don't care about this either. But obviously some people do hear this message, and we know that since the publication of The

Mayan Factor in 1987 there has been what we might call a Renaissance of interest in Maya.

To appreciate what that means we, Bolon Ik and myself, were very recently in Glastonbury, England, which is famous for King Arthur and the Holy Grail. But we were there on the occasion of the Fourth Annual Mayan Dreamtime Festival. We were very fascinated to be there and to realize how much the Mayan interest had spread. And when we visited one of the sacred wells, or fountains, with all of the symbolism of Excalibur and King Arthur, there were 20 large ceramic tiles with the 20 solar seals. Every day they would place the solar seal appropriate to the day, according to the Dreamspell, at the top. So we see the penetration of the awakening of the Mayan consciousness, which is the awakening, actually, of the galactic consciousness, because the Classic Maya were galactic people operating with galactic knowledge. They knew to stop their civilization when they did because that was part of their message.

If the Maya could stop their civilization, we can stop ours.

Because of the knowledge that I was able to awaken in myself concerning these matters, since the middle 1970's, around 1974, I had begun living by the Tzolkin or Mayan sacred calendar. I knew that only by living it was I going to understand it. After 1987 with the publication of The Mayan Factor and the Harmonic Convergence event, which was the fulfillment of a prophetic cycle, both Bolon Ik and myself began to live completely in the Mayan Cycles. This was for a very specific reason. We knew that there were other Maya, the Daykeepers, both in the Yucatan and Guatemala, but we had an advantage because we were also completely in the Western world. We were able to see something. We were able to see something that no one else had seen.

In December 1989, I believe it was on December 10th, the day 4 Dragon, we were in the Museum of Time in Geneva where we spent several hours, after which it was totally, 100% clear, that the museum was not properly named. They had to rename the Museum as the "Museum of Mechanized Time". Because we were living in the cycles of the 13:20 timing frequency, we had a standard of measure, as it was, to take an overview look at the Museum of Time and understand that the whole of the modern world was operating on an artificial timing frequency. Although we had not articulated to ourselves until that point that we were living in 13:20, we knew at that point that we were. We articulated that point. That was the beginning of the discovery of the Law of Time.

Because we saw that we were on the 13:20 we were able to identify the artificial timing frequency as the 12:60: irregular, 12-month calendar, and 60-minute hour. The combination of these two timing factors, which no one had ever looked at before, was the entire basis of the modern civilization. The 13th Baktun was completely captured by the 12:60 timing frequency and for this reason the modern world has developed as it has developed.

We say there are many ways of looking at the problem, but one of the most common ways is to say the modern human is alienated from nature and that the alienation occurs by completely surrounding himself in machines. We have a complete dependence on the machine technology. The high point of this civilization is to endow every human with their own machine. We call these machines Datsun, Toyota, Chrysler or Mercedes. With their machine each human can go to a building that has machines in it. The human can work at these machines, whether it is the assembly plant machine or a computer machine. Driving his or her machine to the other machine, the human can spend eight hours at another machine and then come back to his machine and drive his machine back home - and turn on the television. This is the modern life, an anthropological view. Everybody seems to be trapped in this. The reason why the human goes in his machine to go to the machine to come back to the machine is so that the human can receive an artificial credit called money to pay for his machine, or other machines, or other ways of finding diversions to get away from the machine.

This is the description of the modern life and it is glamorized by names like "globalization." As comfortable as many machines seem to make our life, the machines actually diminish our telepathy, our intuition, and our senses. Every time you look at your watch to see what time it is - and living in the modern world it is impossible not to - nonetheless, every time you do that you are choosing to go to the machine rather than to your intuition.

So, we see that what some people refer to as the "planetary crisis" is completely due to what we call a whole system effect of an error in time. This whole system error in time, this error is what is causing the destruction of the biosphere and causing the humans to accelerate more and more. We have machines called computers with gigabytes that can do millions of computations in one second ... that's acceleration. Actually in the whole 13th Baktun what we see is that the human is running faster and faster. Why is the human running faster? Because the machines don't last long and one must always be making a better machine.

A better machine always goes faster. As the machine goes faster, the importance of money increases. Fifteen years ago in the United States there appeared a magazine called Money. When I saw this magazine I thought, "Why would anyone have a magazine about money ... I mean, Psychology Today is okay, but Money?" So now you can go to the airport newstand and find at least six or seven magazines about money. This is because the 12:60 philosophy is "Time is Money". You sell your time to get money. All the machines are part of a speculation on the stock market, to create more money. This is very boring, but I will say that it creates a situation that from the point of view of the Law of Time is called "Judgement Day".

Judgement Day is brought about when the deviation of the human species from the natural order is so great that the human beings don't even realize it, and for this they cannot see the karmic consequences of their actions. Despite the fact that everyone says the rainforest is disappearing, no one is willing to stop who is destroying the rainforest. I know that there are certain people who are willing to give their life to do that,

but the collective will of humanity is impotent, because it has completely encapsulated itself in artificial time.

All prophecy has to do with time, and so the Judgement Day prophecy is the prophecy that has to do with the deviation of the humans from natural time. The point of Judgement Day, which the Maya knew about because they counted Baktuns by 144,000 days, that was precisely the point when they knew the Law of Time would emerge. The Law of Time has one practical application - the Thirteen Moon Calendar. Just in case you wondered if I was going to get back to that point, here we are. This is our theme. So there is much more to a calendar than you might have thought. Thank You.

Bolon Ik: So I will return to the theme I began with in terms of our personal discipline and our compassion. I feel that everyone should take good rest here at the Earth Wizards Seminary, that we all have the opportunity here to contemplate all of our being that has been so affected in our life by the 12:60, and to deeply contemplate with profound self-love how we begin to change ourselves into seeds of the new time. I also wish to point out this text, "Thirteen Moons in Motion," because it has much of the material that we have been discussing. Also today in your discussion groups it would be important to ask questions about what you did not understand today, because yesterday, remember, we talked about being in this galactic kindergarten? So finally here we have the opportunity to become like children again, because only as children can we enter the Kingdom of Heaven. So let us open ourselves to the new time. Gracias, Thank You.