Maharishi Vedic Architecture

Now we know according to research that the character of the building and the quality of the building in which one lives or resides or works has a very marked impact on the coherence of thinking - on the levels of harmony versus conflict, chaos, and incoherence. Indeed the building, its orientation, its proportions, and so forth have a direct influence, a measurable influence, on the coherent functioning of the brain.

A measurable effect on the firing of the neurons, which can be very scattered or incoherent in a building that is not designed in an orderly way, not designed in accord with Natural Law, versus a highly orderly and intelligent and coherent style of functioning for maximum creativity, and achievement, and success if the building is properly oriented in light of Natural Law.

The ancient Vedic science of architecture, the most ancient and sublime system of architecture in the world, has complete knowledge of how to build structures that are maximally life supporting, fortune creating, health promoting, how to build a structure, a physical building that is aligned with Natural Law to help bring the life of the occupants of the building to be in harmony with Natural Law.

This science of architecture, ancient science, eternal science, has been revived in this scientific age in a highly systematic, practical way by Maharishi Mahesh Yogi, the world's foremost Vedic scholar and foremost scientist of consciousness. Maharishi Mahesh Yogi has taken the scattered Vedic literature which has been so misunderstood and underutilized for so many centuries even in India, the land of the Veda, due to historical influences of invading cultures and so forth.

Modern science identifies these mathematically derived laws of nature governing motion, governing biology, governing botany, governing planetary science, and astronomy and cosmology, governing brain development, and governing the elementary particles and their interactions in chemistry and atomic physics. So modern science identifies specific laws of nature that uphold the orderliness of nature everywhere.

So everywhere we look in the universe today we see orderliness. So first, what is life in accord with Natural Law?

Again, the laws of nature are those orderly principles that are governing the function of the universe, that uphold human health, that govern our own physiology, our digestion, (and) our cycles of waking

and sleeping. The laws of nature also govern the environment around us, terrestrial and astrophysical and cosmological, on every level.

So, everything that happens in nature from the motion of a particle to the digestion of food happens in accord with Natural Law – happens through the functioning of specific laws of nature that uphold the motion of a particular specific laws of nature that uphold the digestion of food, and so forth. So, everything that happens in nature happens by virtue of the functioning of Natural Law. Everything that human beings achieve in life happens through the successful application of Natural Law. Technology, for example, is the application of Natural Law. Successful technology applies the laws of nature effectively to achieve a specific result.

Human behavior that is maximally aligned with Natural Law is human behavior that effectively utilizes the laws of nature to accomplish anything any desire. Action that is not in accord with Natural Law, action that is not aligned with Natural Law, is simply ineffective action, because nothing can be achieved without the support of Natural Law, without engaging the laws of nature to work for us.

So, life in accord with Natural Law, human behavior aligned with Natural Law, is the absolute key to effective and fulfilling behavior. Human behaviors that are in accord with Natural Law, health behaviors and health habits that are in accord with the laws of nature, that uphold health that uphold digestion, that uphold proper human development, proper brain functioning -- those behaviors are successful behaviors.

Human behaviors that go against the flow of Natural Law will be unsuccessful behaviors that can even cause damage to one's physiology, to one's brain functioning. Life that is not aligned with Natural Law is simply not successful life.

So, if our buildings, if our physical environment can be aligned with Natural Law and can help induce human behavior to be so aligned, then such buildings will be a tremendous support to promote life and behavior in accord with Natural Law for maximally successful maximally effective life.

So, there are all kinds of environments and all kinds of influences from the environment all the time -- pollution, buildings that are possibly completely disoriented or helter-skelter in their design such -- oblique and disjointed buildings, dis-harmonious buildings can cause disorientation, we've all experienced that, and that actually shows up in the disoriented functioning of the brain as we will see.

So our environments, from the food we eat, from the pollutants in our environment and from the proportion, the shape, the nature, and quality of our buildings, is very important -- absolutely vital for life in accord with Natural Law --maximally successful, maximally fulfilling life. So all we really need to understand is what does it mean to have a building aligned with Natural Law, and we will understand the principle and importance of Maharishi Vedic architecture.

Maharishi Sthapatya Veda is the science of orientation science of Vastu, science of placement, science of proportion, so that all the buildings in which we live and work are appropriately designed aligned with Natural Law to promote human behavior to be similarly naturally and spontaneously aligned with Natural Law. That is the basic secret, basic principle, of this extraordinary science of architecture that [contains] something that has been so important, but absolutely overlooked in the world until now.

We need to understand the architecture of the unified field, which is extremely simple actually, because the architecture of the universe can be discerned from its blueprint.

We will take a quick look at the blueprint of the universe as revealed by modern, objective science, particularly in the context of the most advanced field of modern science. Unified quantum field theory, modern physics, has explored systematically deeper levels of the functioning of nature, deeper levels of nature's architecture.

The structure of Natural Law at a fundamental scale in this chart shows the systematic unfoldment of Natural Law and the exploration of Natural Law by modern science.

Nature is structured in layers of creation from superficially diverse to fundamentally unified. This chart shows the sequential unfoldment of the laws of nature, from fundamental unity at the foundation of this chart, to surface diversity of the laws of nature shown at the top of this chart and macroscopic scales.

And the history of physics, which has been quite the reverse, to begin at the obvious macroscopic level of classical physics at the top of this chart, characterized by the diversity of Natural Law. And then probing systematically more fundamental space-time scales, finer time and distance scales at the molecular, atomic, nuclear, and sub-nuclear levels.

This chart shows the sequential progression of modern science, from superficial diversity to fundamental unity, and marks the milestones in the exploration of more fundamental, unified levels of Natural Law, with the example of the discovery of the electro-weak unified field at

the lower left of this chart, for which Nobel prizes were awarded leading subsequently for the establishment of grand unified theories of the strong, weak and electromagnetic forces, culminating in the recent discovery of the unified field, the so-called E8 X E8 hetteratic superstring field, which is represented at the bottom of this chart as the absolute unity of all the fundamental forces and particles, that field of the universe, a complete unification of all the laws of nature into one fundamental law, a law of self-interacting dynamics of unity at the basis of all diversity, in this one fundamental law of self-interacting dynamics of unity is the foundation of all the laws of nature.

It's the unified fountainhead from which all the laws of nature sequentially unfold, the sequential process of symmetry breaking we have seen in the chart. It is therefore aptly called the Constitution of the Universe, a fundamental level of self-interacting dynamics of unity at the basis of all diversity. The constitution of the universe means that foundational level of Natural Law, because all the laws of nature do derive from that level, just as in any country. We have a Constitution. The Constitution, while man-made, is still the basic level of the law of the land, the fundamental levels of national law from which all the of the laws of the land are derived.

Similarly, nature has a constitution, that foundational level of Natural Law, which is the self interacting dynamics of unity at the basis of all diversity.

That fundamental law in the language of modern physics is called the Lagrangian of the superstring which is the compact super formula shown at the top of this chart, which is the most compact expression of the totality of Natural Law, the Constitution of the universe, in the language of quantum field theory.

And this language shows unity in terms of the unification of various components, the so-called Bozonic and Fermionic components. We will go back to the preceding chart. In the language of modern physics, this unity is described as the unification of all the different laws of nature, the different components, in one unified wholeness.

So we see the laws governing the particles of nature, the so-called Fermi fields on the right and the laws governing those Bose fields or force fields of nature on the left, these laws of nature and the particles and forces that they govern are united in this one indivisible wholeness with this one super formula shown at the top again, which is the self-interacting dynamics of unity, the Constitution of the universe, the fountainhead of all the laws of nature governing the universe.

This is a Constitution of the universe, the fountainhead of Natural Law. as we saw, is the source of all the order displayed throughout the universe, the entire structure of the universe, the structure of the galaxy. The structure of a solar system with its planar orbits, its elliptical orbits, among a common plane. The structure of the elementary particles, as we will, see the whole geometry of the universe, unfolds from that unified level.

And therefore we can call if we wish this Constitution of the universe, the foundational level of Natural Law, the blueprint of the universe, the blueprint of creation. Because the structure the universe, even the physical structure of the particles and forces, the physical structure of the planets and stars, all of that geometry, all of that cosmic architecture emerges from there.

So, the Constitution of the universe as we see from this chart has a structure, the structure of self-interacting dynamics of unity. We will explore that structure in subsequent slides, and we will see that from this fundamental structure, from this blueprint of the universe, the structure of self-interacting dynamics of unity, all other structures derive.

Even the macroscopic structure of the planets and stars in the universe as a whole emerge as the inevitable consequence of the structure of this blueprint of the universe. So truly it is the Constitution of the universe, is truly the blueprint of creation.

And, exploring that blueprint will reveal to us the basic geometry of the universe upon which the whole universe and everything in it is based.

First, I want to point out in the same slide how the diversified laws of nature governing the universe emerge from this fundamental Constitution of the universe and they emerge through the process of self-interacting, the self-interacting dynamics of unity, which leads to what is called an apparent breaking of symmetry through which the fundamental wholeness of Natural Law, which is unity, one without a second, of this fundamental wholeness of Natural Law interacting with itself brings out its diversified components into the myriad structures of the universe.

This chart shows that the first step in the sequential emergence of creation, in the emergence of what's called N equals one super gravity, followed by N equals one supersymmetric grand unified field theories, that are shown in a sequentially more elaborated and complex equations that unfoldment rigorously from the fundamental unity of the unified field.

So this is just a mathematical description of what we saw previously here, that the laws of nature sequentially unfold from the Constitution of the universe in a rigorous mathematically precise way.

So, the whole universe reflects the fundamental structure, the fundamental architecture, of the unified field. The Constitution of the universe is therefore the blueprint of the universe.

By understanding the symmetry, the structure, of unity we will understand the symmetry and structure of diversity. So let's look at this very quickly, but in a bit more detail. Let's look again at the Constitution of the universe as described by the mathematics of quantum field theory. And we see that there is a Lagrangian compact mathematical expression of the structure and dynamics of unity. But this unity is in terms of eight unified components.

And these unified components in the language of modern physics are the so-called eight Bozonic degrees of freedom of the superstring, the eight internal vibrational degrees of freedom of the superstring, and this structure of eight, and all possible combinations in relationships of those eight, is a very precisely described mathematical symmetry group called E-eight the exceptional group E-eight. All possible relationships among the fundamental eight. And actually if we look at this equation again, the full symmetry of the unified field according to modern physics is E–eight cross E-eight. E-eight cross E-eight is in a sense a doubling of the symmetry of E-eight because in reality there are not only eight Bozonic degrees of freedom of the unified field. There are also eight Fermionic degrees of freedom of the unified field

The Fermionic degree of freedom is similar to a Bozonic degree of freedom but unmanifest. That means the vibrational excursions, that means the amplitude of the reverberation of the superstring, the reverberation of the unified field, Fermionicly is always infinitesimal, too small to see. That’s because its called a Graspin-valued oscillation, and Graspin values are zero in magnitude and so the unified field has the ability to reverberate within itself Bozonicly. These are actual audible vibrations from the standpoint of physics and inaudible. The in audiblereally we could consider to be the gaps between the audible syllables.

So again in the language of modern science these of the eight Bozonic and eight Fermionic vibrational degrees of freedom of the unified field giving rise to the symmetry group E(8) -- all possible relationships among the eight Bozonic degrees of freedom -- plus E(8) all possible relationships among the fundamental eight Fermionic degrees of freedom. And that we see, if we can look again at this next slide, The structure of those eight are more specifically revealed in this slightly

more explicit formulation of the Lagrangian of the superstring shown at the bottom of the slide where if you can count carefully you will see eight Bozonic degrees of freedom and eight gaps between those Bozonic vibrational degrees of freedom.

At this point I would like to introduce something really extraordinary. And that is in the Vedic science of Maharishi this very same architecture of the Constitution of the universe has been revealed with absolute clarity and extremely explicitly. Maharishi's Vedic science is the modern scientific revival of the ancient Vedic science – the science of the unified field, which we will see is the science of consciousness, because the qualities of the unified field unambiguously establish that field as a field of conscious.

So the Vedic science is science of unity, the science of consciousness. The science of the unified field, and indeed the word "Veda" means pertaining to knowledge, but not scattered, fragmented, isolated knowledge .The word *Vedic* means pertaining to total knowledge, the wholeness of knowledge.

So Vedic science gives the knowledge of unity and not just the knowledge of unity, but the mechanics of self interaction through which unity gives rise to surface diversity. And, this is the extraordinary nature of the Vedic and Vedic literature, which Maharishi has made extremely clear once again in the scientific age, that the Veda particularly the Rik Veda -- which is the cornerstone of the Vedic literature, the foundational aspect of the Vedic literature -- the Rik Vedic is merely the record of the sounds of the unified field reverberating within itself, and the mechanics of that self-interacting dynamics of unity, self-interacting dynamics of consciousness, through which this fundamental unity represented indeed by the very first syllable of the Veda, *aah*.

Aah represents as Maharishi will explain, the totality of speech. It's the first letter of every alphabet for a reason: the word *ahh*, which represents the wide open speech, *aah* captures the totality of all speech. Within *aah* one can recognize, with careful linguistic scrutiny, *eee, uuu,* all the vowels -- *swaras* -- are contained in *ahh.* All the consonants even are modulations of *ahh.* So, the whole of speech is contained in *aah,* the first syllable of Rik Veda.

But, the Rik Veda subsequently unfolds in a sequence of sounds & silence, syllables and gaps *Agni mile purohitam* etc. In those first eight sounds of the Veda, and the gaps between those sounds, represent in the Vedic language what's called the *Abharashe Abashya* of the Veda. That means an eternal uncreated commentary of the Veda because

this is not a man-made commentary as we will see. This is built into the Veda itself. This is really Veda, consciousness, knowing itself.

Its uncreated by anybody, just as the superstring unified field of physics is un created by anybody. Human beings can know it. Human beings can express it. 4uman beings can formulate it in their equations , but the unified field is *nitya abharashe.* Its eternal, uncreated, as the Veda is *nitya abharashe.*

So, the Veda is the unified field, the self interacting dynamics of the unified field, which begins in its completely unified structureless state. *Ahh*, but yet within that structure is contained the seed of diversity just as in the unified field of modern physics the unified field is a unified field that contains within it the seed of diversity.

The eight vibrational modes of the superstring which lead to the elementary particles and forces and so forth, the whole universe emerges like a tree from a seed. We have seen in modern science the unified field is that structure of one within which eight vibrational modes can be discerned. Eight Bozonic eight Fermionic eight sounds, eight gaps.

But, in this very same slide we will see the structure of the Rik Veda - Rik Veda unfolding from *ahh* to *agnim mile purhohitam,* and so forth. In this first sequence of eight syllables, in direct analogy to the Lagrangian of the superstring, is itself a complete formulation of the unified field, the self-interacting dynamics of unity in eightfold form. You could call this an eight-syllable expression of total Natural Law. An eight-syllable version of the Constitution of the universe if you will.

But, the Veda unfolds further from there sequentially to produce the infinite diversity of the universe. From eight comes 24. These are the first 24 syllables, called the first *richa* of the first *sukta* of the Rik Veda, another more elaborated structure of total knowledge, another elaborated form of the Constitution the universe and from there to 64, from there to 192, and from there the whole Veda unfolds systematically, sequentially, just as we've seen in modern science.

If we look precisely we will see that these are not qualitatively similar descriptions; these are quantitatively precise, identical descriptions. From the eighth in the Vedic sounds come the 24, come the 64 and so forth. Same with the superstring. We've seen the most compact formulation of the superstring again shown here as the eight vibrational modes. Eight Fermionic and Bosonic vibrational degrees of freedom of the superstring in ten dimensions.

But the next more elaborated expression of total knowledge in the language of superstring theory is the Bozonic formulation of the

superstring in 26 dimensions which has not eight but 24 sounds, 24 fundamental Bozonic degrees of freedom. The next-most elaborated structure of total knowledge in the language of the superstring is the free Fermionic formulation of string and D equals four. This is in terms of not 24 now, but 64 fundamental Fermionic degrees of freedom so those numbers 1, 8, 24, 64 etc. are identical in the modern scientific and eternal Vedic scientific formulations.

The Vedic formulation of course is in terms of sound, and the direct experience of those sounds as one knows the Veda. One experiences the unity of consciousness, and the mechanics of self interaction through which unity sequentially unfolds the increasing complexity of the universe .

In the language of modern physics we simply call that sequential, dynamic, spontaneous, symmetry breaking.

So, now we have seen the blueprint of the universe, the structure of the Constitution of the universe from both standpoints -- modern and Vedic. And we see that structure of the blueprint of the universe, the architecture of the Constitution of the universe to be the same.

And before I move on now to the practical application of this I wanted to show you the exquisite structure of the Constitution of the universe, the nature of this eightfold eternal symmetry called E8 as shown here. The full symmetry of E8 is far too elaborate to draw in any two-dimensional surface like this. So, what we see here is really just the two-dimensional shadow of an eight dimensional geometrical structure called a gosset polytope 4-21. But, what we see here, whatever you call it, is just a reflection, a glimpse, of the extraordinary symmetry of the self-interacting dynamics of unity, extraordinary architecture of the Constitution of the universe, as revealed by both modern science and the ancient Vedic science.

What an exquisite architecture to discover at the basis of the architecture of the universe. Absolutely extraordinary is the internal richness, I'd say *infinite* is the internal richness, of the Constitution of the universe from which all architecture, all geometry, of the universe sequentially unfolds.

Now that we have discovered, explored, the architecture of unity, the Constitution of the universe, let us now consider very briefly its unfolding structure into the architecture that we see surrounding us in the universe, and how it emerges systematically from the Constitution of the universe.

Firstly, this chart shows that this fundamental symmetry that we just saw graphically portrayed, the symmetry E(8) x E(8), the internal

symmetry of unity interacting with itself – that that structure, that architecture, first gives rise to the emergence of a subgroup of itself called E(6), exceptional group E(6) multiplied by, or we could say, combined with, the external symmetries of space. These are called the primordial symmetry [which] gives rise to a duel/ pair of symmetries. E(6) on the one hand is called the internal symmetry group and it will describe for us the structure of the elementary particles and forces of nature.

This second part of the symmetry that emerges from the Constitution of the universe are the external symmetries of space and time. So mathematically we say E(8) X E(8) breaks to E(6) x SO3, 1. It gives rise to the internal symmetries of the elementary articles and the external symmetries of space.

This symmetry of the elementary particles, so-called E-6, is a so-called grand unifying group, which subsequently fractures through well-known mechanisms to the separate symmetries of the strong weak and electro-magnetic forces. As shown in the same slide bottom half, the grand unified symmetry E(6) is nothing but a fragment of the primordial symmetry E(8) X E(8) itself fragments into the superficially diverse symmetry groups SU(3) X SU(2) X U(1) which describe the internal symmetries at the nuclear force, the radioactive force, and the electromagnetic force.

It's these internal particle symmetries that give the elementary particles of the universe and the protons and neutrons and so forth their remarkable very precise geometric structure of relationships.

That means the elementary particles of the universe are not haphazard. They're not random. It's been long know that the elementary particles actually exist in precise relationships to each other. There is a rather mysterious symmetry that relates the elementary particles such as this example. This is called the eightfold way. This is the symmetry of the nuclear force, SU(3), and it shows for example the familiar proton and the familiar neutron graphed alongside the somewhat less familiar sigma minus sigma zero sigma plus lambda cascade minus cascade zero in all these eight fundamental baryons exist (if we can see it again) in precise geometric relationship to each other.

If we plot the electric charge of these particles on the vertical axis. And this strangeness so-called or hypercharge of these particles on a horizontal axis, these elementary particles fall into these very precise geometric structures like the hexagon shown here, or another example the so-called baryon decamet the deltas, the sigmas, the cascades and the omega, plotted with respect to their electric charge and

strangeness, fall into precisely these mathematical symmetry groups like the isosceles triangle shown here. So all the elementary particles of nature are not existing in some haphazard random way; they exist with very precise properties that exist in very precise geometrical relationships to each other.

There is a geometry.

There's an architecture to the elementary particles and that architecture of the elementary particles is a reflection of the fundamental architecture of the universe. The blueprint of the universe or the self-interacting dynamics of the Constitution of the universe

Next, as we emerge from unmanifest to the manifest macroscopic universe, the next distance scale we will consider is the human scale. We will go from elementary to human to galactic.

So, the intermediate scale we want to take a look at is the human nervous system, human physiology. And here again in the human physiology is an architecture, the cosmic architecture, the architecture of the Constitution of the universe, which means that the blueprint of creation is reflected directly in the structure of the human brain and central nervous system.

This, by the way, is one tiny fragment of the extraordinary scientific work of Maharaja Nader Ram, first ruler of the Global Country of World Peace crowned as such because of his extraordinary scientific discovery of total Natural Law, the Constitution of the universe the Veda reflected in the human physiology – that the whole body mirrors the structure of the Constitution of the universe.

This human structure is a cosmic structure. It is an embodiment of the geometry of the universe.

So, the structure of the self –interacting dynamics of unity in the Constitution of the universe is perfectly mirrored in the very structure of the neurons of the brain and all the other organs. Even the human DNA mirrors the same cosmic structure, which means human beings are really a living, breathing embodiment of total Natural Law. We carry within us the architecture of the universe, the infinite organizing power of the laws of nature that uphold global universe.

So this chart shows specifically, the 192 nerve endings or ascending and descending reticular formations of the central nervous system mirroring the 192 Fermionic vibrational degrees of freedom of the superstring or similarly, mirroring the 192 vibrational sounds or syllables of the first sukta of the Rik Veda.

So the 192 syllable structure of the Constitution of the universe - Vedic science and modern science [are] perfectly reflected in the 192-tfold structure of the human brain and central nervous system and like that Maharaja Nader Ram has identified this same universal geometry, the architecture of the universe, pervading every aspect of the human physiology. So we have discovered the architecture of the universe, the Constitution of the universe, mirrored in the geometry of the elementary particles and now also in the architecture, the geometry, of the human being.

Finally on the macroscopic level, perhaps most relevant to today's architectural discussion on the level of the planets, in the stars. We see from this equation at the very top the fundamental symmetry of the unified field leads to the emergence of the so-called external symmetry group mentioned before , SO (3,1), the Laurents group, the symmetry of external space and time and the nonrelativistic limit of slowly moving particles compared to the speed of light, which is pertinent for example to the solar system that Laurents group breaks to the simple rotation group SO(3)SO(3) is a mathematical simple description of the symmetries of space.

The fact that the space is the same, independent of direction, doesn't matter whether we are facing this direction in space or that direction in space. The behaviors we observe, the laws of nature we observe, will be identical. The laws of nature are invariant with respect to rotation. That means they are unmindful of the directionality in space.

Well, this rotational symmetry in space, so-called SO(3)is responsible for the architecture of the solar system . In other words this SO(3)which comes from the unified field, the blueprint of the universe , the self-interacting dynamics of unity, the Constitution of the universe, the SO(3) rotational symmetry comes from there; and the SO(3) rotational symmetry is the external symmetries of space.

As this chart shows the elliptical planar orbits of the planets in our solar system are a direct and inevitable reflection of the symmetries of space. That is, the geometry of the solar system, the architecture of the solar system, derives from and reflects the architecture of the Constitution of the universe.

More specifically let's look at our own Earth-Sun system. And we see here (not drawn to scale) the earth orbiting the sun in a planar elliptical orbit. Also because the the axis of rotation of the Earth is very slightly tilted with respect to the plane of the orbit of the Earth about the sun, we have the cycle not only of day and night. We also have the cycle of the seasons of the year, summer, fall and winter

spring. All of this directly, of course, impacts life on Earth very fundamentally.

All of this reflects the geometry of our solar system and particularly the geometry of the Earth-Sun orbit, or, as this next chart shows, the cycle of months of the year and the lunar nodes, and the orbit of the moon. All of this, and its impact on life, the full moon and the new moon and its influence upon the tides - all this reflects the geometry of the universe .

All of these geometrical aspects of our solar environment, of our solar system -- all of these are simply reflections of the Constitution of the universe. The geometry of self-interacting dynamics of unity reflected in the outer geometry of space, and the orbit of the Earth about the sun, and the cycle of the seasons , and the orbit of the moon about the Earth in an approximately coplanar orbit -- the geometry of our stellar environment,

the geometry of our planetary environment, the geometry of our lunar environment, all reflect the SO(3)rotational symmetry space all of which is a direct reflection of the architecture of the universe , and derives from the Constitution of the universe.

So what does this mean? What is the practical application of this? It means that architecture, the building of a home, the building of a building, architecture that is aligned with the Earth and the Sun is architecture aligned with the Constitution of the universe. Architecture aligned with the Earth and the orbital axis of the sun – that means to the east and to the north – is architecture aligned with total Natural Law, the Constitution of the universe.

What an extraordinary formula, what an extraordinary discovery that to build in harmony with Natural Law buildings aligned with Natural Law to promote life in accord with Natural Law are buildings aligned to the East -- to the orbital plane of the sun -- or aligned to the north -- to the rotational axis of the Earth.

That and so much more of the detailed applications of that fundamental knowledge contained in Maharishi Sthapatya Veda architecture, Maharishi Vedic architecture, the architecture of the unified field.

Unified field-based architecture -- architecture based on the blueprint of the universe, architecture that derives from the Constitution of the universe, total Natural Law, to promote life aligned with Natural Law .

Now, the research on this is already extraordinary not even just from the standpoint of modern science in the last 20-30 years, but throughout the long history of time, because what we're talking about here, while ultra modern from this standpoint is also eternal. For centuries in the ancient Vedic civilization this was this standard of architecture and nothing less – architecture, homes, buildings, government buildings -- all had to be properly aligned with Natural Law to promote life in accord with Natural Law by the inhabitants of the building. The long record of success, health and happiness in achievement of these civilizations records the importance of this great architectural discovery.

Now modern research also is giving a testimony to the extraordinary importance of properly aligned building. In this study, here's just one example, we now know that when the human brain, when the individual is facing east there is a different pattern of neuronal firing in the brain from when for example, the individual is facing west or south, inauspicious directions when compared to the auspicious direction of East. This research shows increased orderliness of brain functioning. That means EEG coherence in different areas of the brain, in the firing of the neurons associated with different areas of the brain, different areas of the mind and personality, are functioning in synchrony, in an integrated way, in a coherent way. When that very same subject turns to face south the orderliness of brain functioning is largely lost.

So even the orderliness of the firing of the brain, which means the orderliness of thinking, orderliness of the functioning of the brain, depends upon the orientation and the direction one is facing. And that by itself is already of extraordinary importance because extensive research, shown here confirms that orderly brain functioning -- That means the synchronous firing of neurons -- is scientifically correlated with rising intelligence and creativity, learning ability, memory, with academic performance, with moral reasoning, psychological stability, emotional maturity, happiness alertness, reaction time. Everything good about the brain depends on its orderly functioning.

And now we have some technology so simple to promote the orderly functioning of the brain. It is as simple as living in a home that is naturally oriented east. And where the rooms within the home, even the desks within the home, the offices within the home, beds within the home, the dining table etc. are properly oriented towards the east, towards the north, in some cases towards the south.

But the orientation along the cardinal axes is key, and the house itself should face east for maximum life supporting benefit from the sun, or

secondarily North is acceptable, which is also aligned with Natural Law, in this case aligned with the orbital rotations of the Earth.

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