

The Raphael Premise and Hypothesis

For the Existence of Dark Matter and the
Increasing Rate of Expansion of the Universe

By Daniel Raphael, PhD

46.10.03

\Books \46 The Raphael Premise | 12.27.2019 | 09:43 | Words: 11163

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Of Expansion of the Universe

Daniel Raphael, PhD

— *opus unius hominis vitae* —



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Daniel Raphael Publishing

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Introduction

If you consider that everything we know about the universe is bound by time and the three dimensions, then what we know *of* the whole of the Infinite Universe, (IU) would be far less than one gigabyte of scientifically demonstrated results, which is very small considering the petabytes of data that astrophysicists and subatomic particle scientists have written *about* the IU.

Those many “dots” have the appearance of many scattered pieces of a very large jig saw puzzle. It is as though someone threw away the box cover of this puzzle without giving us a clear “picture on the box” to help us as we strive to put it together. To see the picture clearly requires us to think “outside of the box” in order to see all of the puzzle pieces of astrophysics and subatomic particle physics research as being integral, and to make sense of the many decades of scientific discoveries about those two genres of research.

Thinking outside of this box requires us to make a huge leap of reasoning and logic to formulate a premise that would be unthinkable for any scientific professional. The premise that is needed would pull the loose pieces together to give us a picture that makes sense of even the most bizarre discoveries of astrophysics and subatomic particle research.

The Premise: As the Infinite Universe is defined by time and three dimensions, a second universe exists and is defined as being the Non-Dimensional-Non-Temporal Universe, (NDNTU).

The Hypothesis: If the premise is true, then already proven scientific results of the IU will allow us to make numerous fairly accurate assertions and speculations concerning the connection between quantum particles, quanta, dark matter, the increasing rate of expansion of the IU, the pervasive pattern and order in the IU, and mind.

The Infinite Universe

As an infinite entity, the material universe, IU, appears to have had a beginning, the origins of which even for a sci-fi story are too surreal to suggest given the limitations of human intelligence and the very brief

history of scientific inquiry. Traditional theory suggests that there will be an end-point at which it will no longer expand, but will begin to contract. The premise, however, suggests that it will expand infinitely.

“Location” of the Infinite Universe Relevant to the Non-Dimensional-Non-Temporal Universe. Because the NDNTU is both non-dimensional and non-temporal it cannot be in parallel, beside, or with our material, temporal, and dimensional universe. Logically, the Infinite Universe did not come into existence as a material bubble that burst from the seams of the NDNTU as that would illogically put it “outside” of the NDNTU. Neither does the NDNTU exist within the Infinite Universe because that too is logically incongruous and inconsistent with the nature of the NDNTU. The more reasonable way of understanding the location of the Infinite Universe relevant to the NDNTU is that the NDNTU pervades all of the Infinite Universe, and that we live in it without knowing its presence in and around us. We are much like fish that are incapable of understanding or knowing that they are swimming in water and that the water pervades all of their swimmable being. Such is our condition, too, with quanta.

The Non-Dimensional-Non-Temporal Universe, Infinite Universe, and Quantum Particles

Sub-atomic particle research has been trying to discover and define the elusive particle that is ultimately the smallest sub-atomic particle that constitutes the totality of which the IU is composed, even humans. It is commonly known as the quantum particle though other sources name it the “God Particle,” Higgs Boson particle, Adamantine particle, and Ultimaton.

The interesting aspect of quanta ¹ is that it can exist in many states:

- non-material, non-temporal wavicle-energy that fills the totality of the Infinite Universe, and is without mass, velocity, or location.
- quanta without mass;
- quanta with mass;

¹ quanta. In the text quanta is used in singular and plural forms. e.g., quanta is, meaning the aggregate of quantum; quanta are, meaning disparate quantum acting together as a whole.

- quanta with mass and location but without being organized with pattern and order that is known as “dark matter.” Stated more plainly, dark matter is unorganized, non-dimensional quanta with mass that has not yet become transformed and organized to reflect light or emanate light.
- material mass having location, pattern, order, reflects light, and is visible, as for example pre-galactic gases, atomic elements, solar systems, nebulae, and galaxies that we see in the light years of the great past – the stuff of the Infinite Universe.

★ With these characteristics in place it becomes far more reasonable to assert that quantum particles are the medium that transit “between” the NDNTU and the IU to form the IU as we see it today.

Sir Isaac Newton and the Initiation of the Infinite Universe

Newtonian physics suggests that it is reasonable to accept that the IU will continue the *momentum of its initiation and expand infinitely* due to the lack of resistance to its momentum. Once an object is set in motion, it will continue in motion until affected by a second force. Its expansion is also aided by the gargantuan masses of dark matter that are attracting the IU “outward.”

Aristotle and the Increasing Rate of Expansion of the Universe

Aristotle provided us with the means to understand the increasing rate of expansion of the IU. It is a natural consequence of physical laws in action, (pattern and order), that apply equally to the whole of the IU, and coincidentally involve quanta, in this case. This phenomena becomes even more understandable if we, as observers of these phenomenon, take the perspective of an outside observer of the IU rather than an inside observer.

When we apply Newton’s three laws of motion to the physical IU, and combine that wisdom with Aristotle’s formula for determining the volume of a sphere, the rate of expansion of the IU becomes far easier to understand.

That understanding becomes even easier when quanta is seen to behave much like water, being non-compressible and also non-expandable. As quanta totally fills the IU, the continuing expansion of the IU’s dimensions calls for more quanta to fill the new dimensions.

What has remained inexplicable to traditional astrophysicists is the stupendous abundance of new stars and their related congregations in the form of nebulae and other formations. Where does that abundance come from? It seems illogical to believe that the initiation of the IU carried with it ALL of the material for new galaxies, gases, and other materials that we

$$V = \frac{4}{3} \pi r^3$$

If the volume of a sphere is 2, doubling the radius, r , to 4 would cube the volume to 64.

see, and don't see. This suggests that there is a source for all of this new material and that perhaps it is related to the quantum particle and the NDNTU.

As the IU does not have the restraint of a limiting factor as a toy balloon, the IU will continue to expand infinitely. With Aristotle's formula in mind, this sets up a "vacuum-syphon effect" between the IU and the NDNTU drawing in more quanta from the NDNTU as the IU expands. As the NDNTU is not bounded by finite constraints, quanta will continue to fill the expanding IU with no end to be foreseen.

Looking for the "Fingerprints" of the Non-Dimensional-Non-Temporal Universe

The only way we know that the NDNTU "exists" is from peripheral evidence, such as in the obvious pattern and order of all things large and small, sub-atomic particle collision experiments, and particle behavior associated with the Infinite Universe.

1. The most obvious "fingerprint" of quanta is its wavicle-energy state that is the medium throughout the universe that carries electromagnetic waves including light through "space" from the farthest reaches of the IU. "Space" is a perfect vacuum, but it is not empty.
2. As obvious, pattern and order of the IU must also be taken into account. From the work of astronomers and astrophysicists over the last five centuries, the observable universe reveals that it has a definite self-organizing pattern and order to it that "seems intentional;" and, that this

pattern and order are universe-wide from the design of atoms, solar systems, and immense spiral galaxies.

★ The question that is eminent to ask, “What gives atoms and galaxies their self-organizing characteristics?”

Logically, it must be quanta that constitutes everything in the IU. Each quantum particle contains within it the total design and architecture of the Infinite Universe, just as every molecule in a crystal contains the order and pattern of the whole crystal, wherever it is identified. Further, the pattern and order that quanta carries does not become visible until quanta transforms to become matter with mass and organization, which we see atomically and astronomically. We can also extend that assertion to say that each particle is identical to each other, and what one “knows” all other quantum particles “know” as well.

3. Sub-atomic particle experiments. Sub-atomic particle research has shown that when the paths of some particles are recorded in a cloud chamber, some simply leave a very short path, then disappear; and that sometimes a particle will record a path in the cloud chamber that was not generated from the experiment. Where did the particle go, and where did the other particle come from? The only rational explanation is that they departed and arrived from somewhere that is neither here nor there.

Given that Quanta Exists,

What Are the Implications Involving Humans ?

When we take all of the above into consideration, it really boils down to this, “There is that which is of people and that which is not of people.”

1. Of that which is not of people, we know these things, **a)** quantum particles are the fundamental particle upon which the whole of the IU is composed, even humans; **b)** quanta self-organizes and expresses with pattern and order; **c)** all that is not of people seems to work with “grace and ease” where all that develops fits together and does not conflict.

2. Of that which is of people, we know these things,

a) people are made of quanta that expresses as pattern and order in the context of human values and decision-making;

- b) mind exists and is capable of manipulating quanta with intention, decisions, and actions;
- c) people possess consciousness;
- d) people can intentionally use their mind and their consciousness to access global human consciousness, and to “view” “past-moment-events,” “present-moment-events,” and “future-moment-events.” This potential exists because mind, consciousness, and quanta are non-dimensional and non-temporal, i.e., not bound to the development of the temporal, finite state of existence. Within the individual human, these three factors come together to empower the individual with an incredible facility to live in a material world when accurate spiritual metaphysical principles are adhered to. The key to that empowerment is the understanding and appreciation for those factors, combined with the willed intention of the individual to use those factors for good, i.e., pattern and order of living with grace and ease.
- e) Some people seem to live with grace and ease with evidence of serendipity, happenstance, and fortunate coincidences (pattern and order) occurring regularly in their life to fulfill what they need.

★ Question: “What supports the ease and grace of living, serendipity, happenstance, and fortunate coincidence as ongoing experiences for some people?”

Considering the logic of all of the above, those fortunate people seem to have sets of values, beliefs, assumptions, and expectations for life and living that are in alignment with the pattern and order of the universe — at least as it concerns their personal lives and their relationship to other people, the planet, and the material universe. When those values, beliefs, and expectations for life and living are in alignment and synchrony with the “original pattern and order of our species,” and the universe, (quanta), then the results are a *fait accompli*, already existing as a fact.

When people, (their mind), are out of synch with the basic oneness of the universe, (quanta), their capability to improve the holism of their quality of life is compromised requiring them to “make” the circumstances of their life happen for their benefit.

f) Some people intentionally form quanta to manifest what they need.

3. One piece of scientific literature that drew my attention is the following article, **Objective Reality Doesn't Exist, Quantum Experiment Shows,** by Alessandro Fedrizzi, Professor of Quantum Physics, Heriot-Watt University with Massimiliano Proietti, PhD Candidate of Quantum Physics, Heriot-Watt University, from "Strange News" and originally published at *The Conversation*. The publication contributed the article to Live Science's *Expert Voices: Op-Ed & Insights*.

Excision: "But in a paper recently published in Science Advances, we show that, in the micro-world of atoms and particles that is governed by the strange rules of quantum mechanics, two different observers are entitled to their own facts. In other words, according to our best theory of the building blocks of nature itself, facts can actually be subjective.

"Observers are powerful players in the quantum world. According to the theory, particles can be in several places or states at once – this is called a superposition. But oddly, this is only the case when they aren't observed. The second you observe a quantum system, it picks a specific location or state – breaking the superposition. The fact that nature behaves this way has been proven multiple times in the lab –"

Mind

"Very little is needed to make a happy life;
it is all within yourself, in your way of thinking."

Marcus Aurelius Antoninus (121-180) Roman Philosopher

Because quanta pervades the material organ of the brain, it inherently provides the aligning pattern and order for the functions of the mind and consciousness. Quanta is the organizing agent for the mind, which is mental "software," giving it the capability to make positive or negative contributions to the stream of consciousness. The individual then decides to align with that pattern and order, or not – this is the critical crux upon

which many people crucify their lives by striving to improve the materialist *quantity* of their lives.

Mind is critical to what the individual creates in their life. All that a person becomes or does not become is dictated by their decisions. Ignorance of that fact is the major contributor to great personal unhappiness, unfulfillment, and perhaps a life without purpose and meaning. It sounds very old fashioned to say that a person must come to the existential appreciation of their future in this mortal life and in the afterlife by making a conscious and intentional decision to be-come in alignment with the design of the universe and the design of their life.

Said another way, because the mind is non-dimensional and non-temporal, as is consciousness, a mind that is in alignment with the pattern and order of the universe can effect change in the consciousness of the future by thoughts, decisions, and actions that are in alignment with the pattern and order of quanta. Mind, then, is in alignment with the same self-organizing quanta of the universe when the individual chooses to use their mind effectively.

Consciousness. Consciousness is neutral. It is non-dimensional, non-temporal. Personal consciousness is a product of thought generated by the individual's mind, whether that thought is consciously invoked or unconsciously provided. Individual consciousness becomes almost palpable when an individual becomes aware of their thinking, observes their thinking, and begins to mull over what they were thinking, and discerns what is useful and what is not.

Stream of Consciousness. Being non-dimensional and non-temporal, individual human consciousness, which is always operational, contributes to all human consciousness that becomes the planetary stream of consciousness. Once created it always exists. Ongoing consciousness, as a product of all sentient humans, has created a "global stream of consciousness" that came into existence with the first conscious thoughts of the earliest thinking humans.

Decisions and actions, consciousness, of the human mind add to the stream of human consciousness. The only means to dilute the stream of human planetary consciousness is to add positive or negative decision-making and actions (consciousness) to it.

What is inexplicable, even by conjecture, is that some events, (moments), that have not yet occurred are so significant to human consciousness as to be seen as inevitable in the stream of consciousness. With practice we can “know” that part of the future with confidence, i.e., with practice the mind can access the transition point of “now” to “view” a past moment or a significant future (moment) event.

Time. Time does not exist. Time is an invention of humans, the objectification of the succession of events that form the “past, present, and future” based on the passage of events, principally measured from the succession of days and night as the earth rotates on its axis and as it rotates around the sun. Same for the moon’s movements. Clocks and calendars are simply human inventions to help those who define themselves in terms of time to manage their materially objectified lives. The terms that denote time as the present, past, and future, that are used by a person, limit their inherent ability to think outside of time.

Because time does not exist, we are forced to consider the succession of events that we call the past and future. Those two temporal terms are better explained as those events that occur previously “in this moment” and those that have yet to occur in “this moment.” Remarkably, the present, particularly “this moment,” actually does not exist simply because it perpetually represents the transition where what has not yet occurred becomes what has already occurred. Because of that, and because time does not exist, the mind can access past moments and future moments via its consciousness.

“A Knowing” (noun) is a pre-conscious awareness of an event that has not yet taken place. It is directly related to the person being affected by a future-moment-event via the stream of consciousness.

To know something requires the person to have experienced that thing. T

“A knowing” has often been associated with transpersonal experiences as well as an aspect of psychic awareness. It usually occurs spontaneously and without the person anticipating its occurrence and is almost always accompanied, affected, by a “full body” response as though the person had actually experienced that occurrence. I personally have had several powerful “knowings” that seem to have “appeared” to prepare me for some future event or circumstance. Some people have had these occur

and used that new knowledge to avoid some disastrous event, which is often more believable than a beneficial event.

Because the stream of consciousness is neither temporal nor dimensional, a mind that has the intention of curiosity for “knowing” an event, either historic or of the future, can access the stream of consciousness. From my own experience, it is not necessary to sit in meditation to do so, but simply to think curiously about some subject that has not yet appeared in “this moment.” Almost instantaneously a “drop-down” picture appears in my mind. I do not reject what my mind “sees,” but accept that the drop-down exists, and then examine what I “see.” Validation occurs with the passage of events that I live through from one minute to the next, and sometimes it is days, weeks, months, or even years before validation occurs.

Effective Use of Mind

★ The key to consciousness, manipulating the quantum field, and manifesting what is needed in one’s life is the right application for using our *mind* effectively. Spiritual metaphysical students use the principles of spiritual metaphysical practices to use their mind effectively. This statement represents the heart and soul of effective spiritual metaphysical thinking. “...using mind effectively....” will be more thoroughly discussed in the pages ahead.

In terms of artificial intelligence,² think of mind as an innate organic intelligence having ROM memory given to us at birth, and programmable RAM memory. RAM memory is that portion of our mind’s program that is programmed by our parents and other significant parental figures before we were born, when we were infants, and as children. Both ROM and RAM are amenable to adaptation by the individual when they are aware of that skill, and choose to do use it.

Ineffective programs you have learned that cause difficulties in life can be removed much like removing app programs from your computer or smart

² Raphael, Daniel 2018 *Artificial Intelligence, A Protocol for Setting Moral and Ethical Operational Standards*. (See URL in BIO for downloadable PDF documents by the author.)

phone followed by installing or reprogramming effective programs, or updating ineffective programs.

Question: How do I know what “programs” are not working well for me? Consider the following areas of your life: how are your relationships working out with friends, family, spouse or partner, children, neighbors, associates, and service workers? How effective is your money management skills working out for you? How about your relationship with authority figures? How about self-discipline? Do you have the strength of self-discipline to defer gratification until a later time? Many other questions can be devised to reveal problem areas in your mental processing for developing workable options, choice-making, decision-making, and option-implementation.

The following “quantum wisdom” is many thousands of years old that can change your life and change the consciousness of the world: “What you send out comes back to you, eventually in one form or another.” This wisdom is ancient and has been said in one form or another by great philosophers from Buddha to contemporary philosophers, and spiritual metaphysical philosophers.

Your mind is a WIFI transmitter in quantum code that radiates out to the whole universe. When you are conscious of this, you can reject the negative consciousness that comes from global consciousness, and with inner conviction you can radiate positive, constructive consciousness to the whole planet.

The steps required to reprogram our mind as an adult are known by very few people.

For children, it works best when pre-conception couples are already aware of the consciousness and spiritual metaphysical principles needed before their child is born, when it is born, and all through its childhood. Children raised with positive values, beliefs, assumptions, and expectations grow with the strength that is provided from having a RAM memory programmed with the right “code” to live life abundantly and with a high quality of life. ³

³ Raphael, Daniel 2017-19 *Learning Centers for Sustainable Families and the Millennium Families Program*

Personally, I have spoken to several grown children who were raised conscientiously by parents who had adopted spiritual metaphysical principles in their life. These children, now as adults, have seen in their own lives how fortunately they were raised. They also see their peers who have not been raised with those principles have many difficulties in their own lives. The contrast is immense.

For adults, the process is rather simple but takes a good deal of dedication and perseverance for those who were not so fortunate to have been raised this way as children. There are several steps to reprogram our mind so that you are capable of living more joyfully knowing that the quantum field will assist you to live life more easily and with less conflict.

1. Become aware of the old programs of your mind that are not providing you with an easier way to live;
2. Become aware that there are mind-reprogramming programs available.

Caution: When selecting a mind-reprogramming course, investigate and assure yourself that the process and end results are in alignment with your best interests and the best interests of others, and in agreement with the holism of quanta that supports an equal quality of life for humanity.

3. Keep in mind that thinking, decision-making, and actions that are not in alignment with the “good consciousness” of others will not produce sustainable, positive results. The footnote below ⁴ provides a distinctly clear instruction for thinking that is in alignment with the greatest good for all people, for making a highly positive contribution to human consciousness, and the most effective universal program of thinking to manipulate the quantum field.

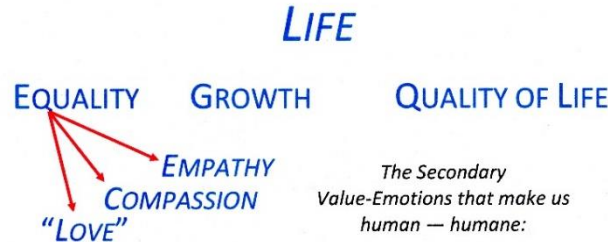
Pattern and Order of Quanta Express as Values in Humans

Values. Quanta as expressed in humans is apparent in the consistency (pattern and order) of decision-making that Homo sapiens have used to support the survival of our species for over 200,000 years. That is the

⁴ Raphael, Daniel 2018 *Making Sense of Ethics — A Unique, Unified Normative Theory of Ethics, Morality, and Values*

gross evidence. Because *values always underlie decision-making*, the finer evidence of the expression of pattern and order of quanta lies in the values that underlie the decisions that have and still do support our species' survival.

SEVEN VALUES HAVE SUSTAINED OUR SPECIES' SURVIVAL



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“Love and compassion are necessities, not luxuries
Without them humanity cannot survive.”
— Dalai Lama

The expression of the seven values illustrated above lies in two domains: 1) our species' survival, and 2) societal survival. The four primary values, (life, equality, growth, and quality of life), have proven sufficient to sustain the survival of our species without the conscious awareness of the individuals who are using them.

The three secondary values, (empathy, compassion, and a generalized love of humanity), however, operate at the conscious level of decision-making. Understanding the importance of these three values and then applying them in all social and societal relationships and organizations will help us prevent repeating the failure of all nations, cultures, societies, dynasties, empires, and nations of the last 30,000 years.

The illustration below provides a clear picture of the societal-moral responsibilities of the individual/family and organizations to provide the decisions and actions that will sustain a community and nation into future centuries and millennia. In the course of those 30,000 years, the organizations that provide the decision-making for social-societal, political-governmental, and financial-economic institutional supports for those societies and nations did not use the secondary values to sustain

their survival into the future centuries and millennia.⁵ The same potential for failure is fully applicable and visible in all contemporary societies, whether they are democratic to totalitarian. We can anticipated that our own nation will fail because elected and appointed executives are not using the four primary values and the three secondary values in their decision-making.



The perspective that is necessary to sustain societies and nations into the centuries and millennia requires the development of options, choices of those options, decisions, and action-implementation that anticipate the moral necessity to take actions in this generational to sustain *all future generations*. If the current generation is solely concerned about its own survival, existence, and sustainability, then the quality of life of those future generations (our children!) are already sacrificed. Pattern and order are universal for the universe, this generation, and all future generations. When options, decisions, and actions are not examined in light of the pattern and order for sustaining functional societies and nations, then societal and civilizational decline, disintegration, and collapse are soon at hand.

The survival of societies and their nations is dependent upon the conscious and intentional use of the three secondary values to create self-sustaining social, political, economic systems, and social institutions. This has never been done, before. To date, all governments, social institutions, and organizations of every type and dimension operate as linear processes using solely the four primary values. *None operate as systems* within themselves or among themselves. The democratic process is just that, a

⁵ Sustaining decision-making by organizations is more thoroughly discussed in the section, “Priorities of Decision-Making that Lead to a Socially sustainable Society,” page 34

linear process without systemic feedback processes to ensure that it is also a learning system. ⁶

Pattern and Order of *Values* Express as *Ethics* in Humans

This synchrony of the pattern and order of the IU can be felt anywhere. It constitutes the cosmic, universe consciousness. The dominant “theme” of that stream of consciousness is that the IU is a good place to live. Its pattern and order are constant and predictable.

Humans are innately good because the same pattern and order that is inherent to quanta is inherent to our genome structure. We are quanta. When we look more closely at the evidence in the characteristics of those decisions it becomes evident that there is a consistent and integrated value structure that underlies all human decision-making as illustrated above.

The major difference between the IU and humans is the mind-mechanism. The IU operates on its own with pattern and order guiding its infinite and predictable existence. Humans, however, are invested with a mind and self-will that give us the capability to make decisions independently of the pattern and order of the quanta in our genes.

The pattern and order of the design of humans do not end with these seven values. That pattern and order extend to the ethic and morality that are subsequent to the seven values. Those values generate a timeless and universal *proactive* ethic and morality for making uniform (pattern and order) decisions that are in alignment with the quanta of which humans and their genetic code are composed.

The seven values provide for a unique, proactive, unified normative theory of ethics, morality, and values – the rules for making consistently beneficial decisions and actions that will sustain the ongoing good working order, pattern, operation, and existence of families, communities, governments, corporations, and all organizations of every type, size, and nature.

⁶ Raphael, Daniel 2016, 2019 *The Progressive’s Handbook for Reframing Democratic Values..* See author’s BIO for the PDF download URL.

Characteristics of the Seven Values

The illustration above shows the seven values that are embedded in our DNA. It also shows their relationship to each other. They are integral to our being, and give us the capability to make decisions to become complete as a person and offer us the means to have a positive and constructive social life. They exist in every person of every race, culture, ethnicity, nation, gender, and age. The combination of the *seven values* and their *characteristics* provide the foundation for the development of a logically integrated proactive morality and ethic.

Self-Evident

The self-evident nature of these values is only one of several *characteristics* that have obscured their presence while in plain sight. Once the four primary values are pointed out to people, their self-evident nature becomes as obvious as those stated in the famous sentence in the United States Declaration of Independence, "*We hold these truths (values) to be self-evident, that all [people] are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness.*" The proof of this becomes evident when people around the world are asked whether they would like to enjoy an improving quality of life, as they define it.

Universal

These values are also universal to all people of all races, cultures, ethnicity, nations, genders, and ages. Ask anyone, whether they live in Bangladesh or Baltimore, Houston or Hanoi, if they would like to develop the innate potential they brought into life as the means to improve their quality of life with an equal opportunity as anyone else. The answers are universally the same.

Innate / Timeless

Even though I cannot prove it, evidence seems to suggest that *these seven values are not learned* but are innate to our species' DNA from our earliest beginnings 200,000 years ago. We know from our own personal experience that these values are innate to our being — and not learned. They have motivated us, everyone, to yearn for the improvement of our *quality of life* materially and socially.

These seven values are the original cause of human motivation ⁷ that urge us to improve our quality of life materially and socially. We can safely predict that these same values will continue to motivate our species to search for an ever-improving quality of life, and to grow into our innate individual and collective potential in future centuries and millennia.

Irreducible / Immutable

LIFE and the other three primary values are the superordinate values of our species and are not subordinate to any other values. The pursuit of equality, growth, and an improving quality of life provide the foundation for human motivation as interpreted by the individual, and express themselves in a personal hierarchy of needs. In other words, these values are not interpretations of other more basic values, but that these values have proven to be the only basic values that are timelessly universal to all humans.

The Four Primary Values

The four primary values are remarkable because they constitute an innate “code of decision-making” that will produce consistent results regardless of the culture in which they are used. These values urge and motivate us to preserve and to improve the quality of our lives and the lives of others.

LIFE is the ultimate value.

LIFE, the three primary values, and the three secondary values create an integral *system of values*.

Decisions made about *LIFE* are qualified by the other six values as the criteria for human decision-making.

Equality

Equality is inherent in the value of life – everyone’s life is valuable. We give equal value to each individual, and we would seek to provide more equitable opportunity to every individual to develop their innate potential, as we would our own. This is the value that empowers us to work together to improve our world.

⁷ Raphael, Daniel. 2015, *Social Sustainability HANDBOOK for Community-Builders*. p. 28-30.

A Caveat for the primary value "Equality." The moral and ethical person is not naïve to assume that everyone else is moral and ethical. But, until proven otherwise, be authentic, genuine, ethical, and do practice and use the Expressed Ethics. It is unfortunate that we live in a hostile social environment where we seem to be constantly confronted with those who have chosen to be NON-human.

Growth

Growth is essential for improving our quality of life. To be human is to strive to grow into our innate potential. Only those with a proactive morality and ethic have the capability to support the growth of others.

This value ensures that the inherent potential of individuals, societies, and civilizations become expressed and fulfilled, which encourages an improving quality of life for everyone. Without growth, there would be no possibility of social evolution and social sustainability.

Quality of Life

While life is fundamental to survival and continued existence, it is the *quality of life* that makes life worth living and gives life meaning. In a democracy, access to the *quality of life* is provided when a person not only has an *equal* right to *life*, but that person also has an *equal* right to *growth* as anyone else. This is what makes immigrants so excited to move to a democracy – they seek freedom to experience the *quality of life* that makes life worth living – to control their own destiny and to explore their innate potential with the opportunities that a democratic nation provides.

The Three Secondary Value-Emotions

EQUALITY → *Empathy, Compassion, and "Love"*

The primary value **Equality** is the source for the three secondary value-emotions values. We know when equality is out of balance because of the secondary value-emotion of *empathy* – to “feel” or put our self in the place of another person and sense what that is like, whether that is in anguish or in joy. When we feel empathy for others, we want to act in

compassion, to reach out to the other person and assist them in their situation. When empathy and compassion are combined and we feel that equally for everyone, then we say that we have a “*Love*” for all humanity – the capacity to equally care for another person or all of humanity, as we would for ourself.

Empathy, compassion, and “Love” support the development of a higher quality of life for ourself and with others by providing the motivating energy to grow into a more complete, mature, and functional individual within our Self and within our social environment. They allow us to see the common good as societal rather than selfishly personal. Their expression demonstrates the highest ennobling qualities of human nature at its best. With these three value-emotions, we have the direction and motivation from which to develop highly positive family dynamics – and a loving, compassionate, and empathic means of validating holistic growth in individuals, families and societies.

When we consciously internalize the primary values and secondary value-emotions, we realize that the collective power of individuals affects individuals everywhere as much as the individual affects the collective whole.

The Moral and Ethical Logic-Sequence

Seven Values → Moral Definitions → Ethics Statement
 → Expressed Ethics → The Graces of Expressed Ethics

The Four Primary Values, life, equality, growth, and quality of life, primarily support the survival of our species and all aspects that affect the quality of life and living. *They act in unison. When one of the four values is violated, they all are violated.* They provide an integral approach for understanding the moral necessities that support life and living.

By extension, logically, any action that jeopardizes *equal* treatment of a person’s life is also an immoral act. Similarly, any action that jeopardizes a person’s capability to *grow* into their innate potential is also an immoral

act. Separately, or conjointly, any acts that jeopardize the victim's capability to improve the *quality of their life* are also immoral.

The Three Secondary Values, *empathy, compassion*, and a generalized *love* for humanity, are the value-emotions that act as the criteria for identifying people as being humane, the highest, evolved social level of being human. The three secondary values identify the ethics of interpersonal and organizational decision-making and actions that particularly address the "quality of life" of those relationships.

A Proactive Morality and Ethic

Because values always underlie all forms of decision-making, and that the seven innate values are innate to all people, avoiding the use of them is NOT an option for the moral and ethical person, business, or government. In other words, using these values requires a conscious awareness that NOT using them would offer the possibility that the decisions that are made may be immoral or unethical. Using these values requires the forethought of decision-making, i.e., they are proactive to create ethical and moral outcomes.

That may seem very odd given that traditional ethics and morality have been used for thousands of years without a conscious deciding thought for their use. That type of latitude was reasonable given that no one had every truly identified the values that were being used for those decisions. But because all people are innately invested with these seven values, all people are inherently obliged to use them in all of their decision-making. Consequently, the task remains to educate 7.3 billion people concerning those values and their relationship to moral and ethical decision-making.

The following section provides a succinct discussion of each stage in the logic-sequence and followed by a much more developed discussion.

Succinct Descriptions of Each Step of the Sequence

The perspective that these seven values innately provide is a proactive morality and ethic that will pervade all of the following discussions.

Further, because of that proactive perspective, nothing is taken for granted as this morality and ethic will be new to everyone. Briefly –

Identifying the Steps of the Sequence.

1. The first step is to begin with each *value*.
2. The second step is to then *define* that value in moral terms.
3. The third step tells us *how* to understand the process of *how* to fulfill that moral definition.
4. The fourth step tells us what we must *do* to fulfill the third step.
5. The last step is our demonstration of the proactive attitude or acceptance of the above process. They provide us with the internalized acceptance of *being* moral and ethical.

Descriptions for Each Step of the Sequence.

- **Seven Values** underlie the decisions responsible for the survival of our species and our societies;
- **Moral Definitions** provide a **set of rules** to guide human decisions and actions to prevent destructive, life-altering behavior in human interaction;
- **Ethics Statements** tell us *HOW TO* fulfill Moral Definitions. Using “equality” as example of the originating value in the sequence, treat others *equally* as you would yourself means that you do not treat others less than yourself; and it also means that you do not treat yourself less than you would treat others. The value of others is *equal* to that of yourself, and your value is *equal* to that of others – therefore act accordingly. The importance of this value is that others are not excluded from consideration and from opportunities to grow and to improve their quality of life, and neither are you.
- **Expressed Ethics** tell us *WHAT TO DO* to fulfill Ethics Statements. Expressed Ethics are the ethical values and principles that individuals, families, companies and corporations, and public agencies adopt to conduct business without jeopardizing their personal and social integrity and for improving those relationships. As example, the expressed ethical principles for “equality” would

include fairness, justice, integrity, respect, loyalty, truth, trust, accountability, responsibility, and being transparent, authentic, and honest.

“Expressed Ethics” is used in this text for what most people call *ethical values and ethical principles*. The words “Expressed Ethics” are used to tell the reader that it is the fourth stage of the values logic-sequence.

- **The Graces of Expressed Ethics (TGoEE)** is the fifth stage in the logic-sequence that provides the *élan* of social interaction. These take the form of *being* kind, considerate, caring, confident, generous, meek, mild, modest, strong but humble, thoughtful, patient, tolerant, positive, and friendly, to list for only a very few of many possible examples. These are not necessary to be moral or ethical, but provide a “grace” to ethical living. People who express these graces are always noticeable because they are not pretentious, but have a self-confident joy of life that cannot be ignored.

You probably have accurately guessed that the combination of these five steps provides a logic-sequence where each step supports subsequent steps in the sequence. The seven values are used as the criteria to validate each step in a logic-sequence.

What follows is the moral and ethics code in greater detail.

Proactive Moral Definitions For the Four Primary Values

Seven Values → **MORAL DEFINITIONS**

→ Ethics Statements → Expressed Ethics

At first, the seven values do not seem nearly enough to give societies and nations the necessary support for their survival and the development of social stability into the far distant future. The simplicity of their appearance is deceiving. What makes societal and international peace possible is the integrated, organic nature of these values working together that reveals their unexpected synergism.

Proactive Moral Definitions provide us with a set of rules to guide human decisions and actions to prevent destructive, life-altering behavior in human interaction.

The following Proactive Moral Definitions are stated in the context of **moral**, **amoral**, and **immoral** perspectives. They are stated as proactive affirmations rather than as proscriptions. The focus is on the desired behavior rather than on undesirable behavior.

LIFE – THE ULTIMATE VALUE

Proactive Moral Definition: Assign value in all of your decisions to protect and value life.

Amoral: Do not go out of your way to support the life of others, but neither cause them any harm.

Immoral: Use others for your own benefit and without regard for the life of others, whether an individual or multitudes.

Equality

EQUALITY is the defining innate value of proactive morality and ethics.

Proactive Moral Definition: Make decisions and take action for improving the quality of life and unleashing the potential of others as you do for yourself.

Amoral: Make decisions and take actions to maximize your situation without jeopardizing the equality of others.

Immoral: Make decisions and take actions that put you at an advantage, and to the disadvantage of others.

Growth

Proactive Moral Definition: Make decisions and take actions that create opportunities for you to develop your innate potential; and, whenever possible develop opportunities for others, and assist them to grow into their innate potential to improve their quality of life as you would for yourself.

Amoral: Make decisions and take actions to create opportunities for the growth for yourself without consideration for the growth of others.

Immoral: Make decisions and take actions for your growth as a means to take advantage of others.

Quality of Life

Proactive Moral Definition: Make decisions for yourself and others that improve the *quality* of your life and others.

Amoral: Make decisions for yourself that improve the quality of your life without jeopardizing the quality of life of others.

Immoral: Make decisions that use others and what they have to improve the quantity of your life.

The socially sustaining value of equality is the last extension of our primal ancestors who came together as a group to make their hunting and gathering more efficient – without killing each other. The same exists today with this proactive morality with the awareness that the “group” now includes the billions of people on the planet.

When this magnitude of equality is taken into consideration, then material and social sustainability take on totally different definitions than have been given to them for the last 70 years. With this proactive morality in mind, the strategic demand for material sustainability must become capable of taking on the moral load of these seven values to contribute to the quality of life of everyone. Equally important, the value of equality encompasses the moral obligation for being responsible for the quality of life of all future generations.

Proactive Moral Definitions for the Three Secondary Values

NOTE: Because “Equality” is the primary value from which the three secondary values emanate, the Moral Definitions for the secondary values all relate to supporting the achievement of equality.

Empathy

Proactive Moral Definition: Extend your awareness past your own life to that of others to sense their situation in the seven spheres of human existence: physical, mental, emotional, intellectual, social, cultural, and spiritual. Reflect on what you sense and compare that to your own awareness(es) of your own seven spheres of human existence.

Amoral: Extend your awareness past your own life to that of others to sense their situation in the seven spheres of human existence.

Immoral: Be aware of your own feelings but with a with a callous disregard for others around you, near or far.

Compassion

Proactive Moral Definition: Based on your developed sense of empathy, take action to come to the aid of others to support the improvement of their quality of life and assist them to grow into their innate potential, as you would do for yourself.

Amoral: Be aware of the life-situation of others and yourself without feeling the need to take action.

Immoral: Be aware of your own life-situation and take action to improve it at the expense of others, regardless of their situation.

Love

Proactive Moral Definition: Love in the context of proactive morality is defined as the combined energies of empathy and compassion towards others, as you have for yourself. This is truly the most evolved definition of equality – to see and value others as you do for yourself, and choose to act accordingly.

Amoral: Love others as you do your Self, but without the consideration to compassionately act on that love.

Immoral: Narcissistically love yourself and use others to nurture that narcissism.

Ethics Summary

Equality is the pivotal innate value of proactive morality and ethics. To choose the secondary values emanating from Equality is to choose inclusiveness, not separation.

To choose separation is a personal declaration of separation from all humanity, the Infinite Universe, and the NDNTU.

To choose to use these values means that the individual, family, and organization of any size have also chosen to see others as being of equal value and treatment. In a society that has chosen to move forward toward social stability, peace, and sustainability, to treat others as having less value than ourselves causes separation and is perceived as an immoral act.

Inclusion does not mean that everyone all the time in all situations and circumstances has to be included in making the decisions and taking actions. What it does mean is that our options, choices, decisions, and actions do NOT exclude others from being worthy of receiving equal treatment.

For example, on a scale of today's society (2019 C.E.) that means there would be no conscious or unconscious policies to exclude minorities from receiving real estate loans to buy a home in a particular area of the city. It means that any form of discrimination, prejudice, and bigotry is an immoral act that threatens the quality of life, growth, and equality of the excluded individuals and their groups.

It does not mean, for another example, that you could build an 800 square foot home in a subdivision that only has homes of 3,000 square feet and upward. Equality is personal and means that YOU are accepted as you are as any other person would be in that subdivision, regardless of race, culture, ethnicity, nationality, gender, or age.

Priorities of Decision-Making that Lead to A Socially Sustainable Society

The illustration below shows the priorities of decision-making, *using the four values*, that support the survival of our species.

The First Priority is always to sustain the species because it holds the genetic program of our species. The *primal motivation* of the individual is



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to reproduce to *sustain* the continuation of the species. The early animal survival level of our species does not require a family, community, society, organizations, or morality and ethics.

That same priority exists in developed societies as our own. For organizations to sustain the species, that means not polluting or endangering the species in any way that would cause damage to the genetic program.

For families that means teaching children how to live in a functional loving family, and how to live peacefully in the community and the larger society. That may seem as though I have stated the obvious, but the other side of that statement is raising children without any direction for establishing their own functional family, and raising children who do not know how to live peacefully in their community and society. When that occurs, that is the initiation of the disintegration of families, communities, and societies.

The Second Priority is to sustain the social fabric (functional families) that holds communities and societies together. Because *the individual/family and organizations are the only decision-makers in the decision-making tree, their individual and joint responsibility is to support the organized social existence of their communities and societies.* The reason organizations are directly responsible arises because families are the primary socializing and enculturating social institution that can produce well qualified, socially capable, responsible, and competent employees. The source of all future generations of directors, managers, executives, middle managers, supervisors, team leaders, consultants, and the great body of employees come from families. If the quality of the child's preparation for entering into the work force is high, whether as a laborer, a CEO, or as a member of a board of directors, then those organizations will benefit from the good work that the parents have done raising that child.

This second priority supports the synergistic relationship between the individual/family and organizations. It is a two-way relationship. If families raise children well, then organizations will be managed well. If not, then organizations will make many mistakes. This is recently (2016-2020) evident with the egregious decisions at the highest corporate executive levels in Wells Fargo, Volkswagen, Johnson and Johnson,

PG&E, and Boeing. Corporate executives, who knew about the liabilities before they became legal issues, proceeded anyway.

When we give the illustration above deeper thought, some very large insights become visible. Ironically, in developed and complex societies no thought is ever given to sustaining the *species*. We take that for granted. What we fear is the collapse of our societies and communities that would threaten the collapse of our families and our way of life. The irony is the lack of consideration given to the sustainability of our societies and communities that support the well being and lifestyles of our families. In other words, few have ever given much thought for making decisions about the social sustainability of the family AND society.

Simply patchwork. Until the holism of organized social existence is taken into account, current “sustainability” efforts are simply patchwork. Nations will not become materially or socially sustainable until the seven values and their subsequent moral and ethical decision-making processes are recognized as fundamental to the sustainability of that nation. Democratic nations have recognized the fundamental values of democracy, but have yet to recognize the seven values as fundamental to the ongoing long term material and social sustainability of the democratic process to support their existence into the centuries and millennia.

The Missing Factor for attaining social sustainability. The organic decision-making tree illuminates all of the players who make the decisions that affect our species, our way of life, and the well being of our families, communities, and societies. It is naïve to assume that simply using the seven values alone will assure the survival of our societies. What is missing are the *rules for decision-making that generate moral and ethical decisions* that will keep (sustain) families and organizations of our communities and societies running smoothly so that everyone arrives in the far distant future with the same or better quality of life as we have today. When that is in place, then the primary elements to sustain material and social existence will have been put into place.

The use of the four primary values, the three secondary values, and a proactive, universal, and timeless morality and ethic are directly related to the pattern and order of quanta in personal, social, and societal expression. Knowing this, it would be an immoral act of omission not to

use these values, ethic, and morality and act upon their wisdom to nurture and sustain our future generations.

Educating the Public

Here we must ask the painful question, “Of what practical use is this discussion to me, the individual?” That truly depends upon the circumstances of your personal life. Whether you are very wealthy or not is a circumstance where people can feel that their life is not worth living, that they have no real, significant purpose in life, and worst of all that their life has no meaning to them.

Just as the pattern and order of quanta are embedded in the pattern and order and the universe, that same pattern and order area also embedded in us through our genetic programs. To create materially sustainable and socially sustainable societies and nations, we must consciously and intentionally embed the seven values, ethics, and morality into the decision-making processes of all social institutional structures of democratic nations to create a culture that inherently sustains peace and constructive social evolution.

The process could begin with bringing educational and training programs to the attention of our spiritual, metaphysical belief systems and organizations; and to institute them into educational and training programs in terms of educational, teaching, training, and instructional materials, and settings.

The second is to use those same materials and settings specifically for individuals who want to become parents, to parents, and to children. These are described in the paper, *Learning Centers for Sustainable Families, and the Millennium Family Program*.⁸

Because parents-to-be begin forming the consciousness of their child even before birth, those parents will want to be trained and educated in the

⁸ Raphael, Daniel 2107-19 *Learning Centers for Sustainable Families, and the Millennium Families Program*.

beneficial use of their thoughts and decisions for their child before birth, and then throughout the child's life.

Fortunately, there already exist individuals who as adults are living examples of pattern and order being expressed in their lives. They make wonderful sources to provide an understanding of the "best practices of spiritual metaphysics" of how parents can raise their own children to become whole and complete, and the individual their child will become; and, to learn what that individual did on their own to make decisions that contributed to their quality of life and living.

What is desirable for the good working pattern and order of a family, community, and society is the positive-consciousness contributions individuals can make to the global stream of human consciousness.

Doing so has three benefits. *First*, the development of positive epigenetic imprinting on adult parents and their children. After generations of epigenetic imprinting, that imprint will become more and more indelible with each generation that receives this training, and expresses it in their decisions, actions, and consciousness. *Second*, doing so will improve the positive aspects of human global consciousness so that people in all places of the world benefit. *Third*, these actions will be supported by the synchronization of the pattern and order between the individual and the quanta within the individual's DNA.

The result is the self-reinforcing, self-organization of a "good" culture that will support more functional families, communities, and societies. The seven innate values are evidence that all people are inherently good, and given favorable circumstances of childhood and early adulthood, they will express that in their lives.

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The result is the self-reinforcing, self-organization of a "good" culture that supports people in more functional families, communities, and societies. The seven innate values are evidence that all people are inherently good, and given favorable circumstances of childhood and early adulthood, they will express that in their lives.

Conclusions and Insights

This paper has tried to connect the 13 billion year old series of "dots" of what we know about the Infinite Universe, (IU), the repetition of pattern and order in it, the behavior of quantum particles, mind, intention, consciousness, planetary human stream of consciousness, and universe, (cosmic), consciousness.

- The Infinite Universe has an inherent *design* that we see expressed in infinite repetition of pattern and order from atoms to gigantic spiral galaxies.
- As the IU is composed solely of quantum particles, we can accept that pattern and order are inherent to quanta, the Infinite Universe, our species, and to each of us individually as well.
- The Infinite Universe has the appearance that it operates much like a simple mechanical machine. All parts fit together. All parts have a function that work with other parts and that it works very well. Humans may say that the collision of galaxies and supernova are evidence of the Infinite Universe's imperfect operation, but that is simply a shortsighted human opinion about something that has lasted for over 13 billion years, and is even now expanding.
- When we project our attention into the vastness of the IU, we sense a synchrony between it and ourselves. What we are feeling is the resonance between the quantum field and the quantum particles in ourselves and in the IU. We are one with the Infinite Universe.

- The IU, including this planet, is working very smoothly except for the self-centered and self-destructive behavior of humans individually and collectively. In other words, humans individually and collectively have the option to express or not express universe pattern and order that is indigenous to themselves and to the rest of the Infinite Universe. It is truly a choice that we can educate our children to make as and when they choose.

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When pattern and order are taken into consideration and applied at all levels of individual and organizational decision-making in all social institutions, then a nation will have the capability to transcend the history of all failed efforts of organized social existence to create a future of self-organizing and self-sustaining societies and civilizations. Most importantly, at the level of the individual/family, this will benefit all future generations, and form a cultural consciousness of pattern and order to sustain their transcending societies. To do that, a very large percentage of individuals will need to intentionally use their mind and spiritual, metaphysical principles to project their consciousness of social stability and peace onto earth's planetary consciousness for the benefit of all future generations, beginning with our generation now.

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Bibliographic Note

Some readers may have already noted that there are no references cited for this work. What has provided the foundations for this short paper are several hundred articles from over 50+ years of interest in the area of the search for quantum particles, with none being consistent with this text. Almost all have been periodicals as WIRED, Popular Mechanics, Science News, many from Google News sources, and some directly from Wall Street Journal, Forbes, Reuters, and BBC. Associated with those articles are several hundred spiritual metaphysical articles and many dozens of books related to that subject over the last 47 years. ##



BIO: Daniel Raphael, PhD

Daniel Raphael is an independent original thinker who does not work for, associated or affiliated with any organization. He is a Viet Nam veteran with 18 years experience working in adult felony criminal corrections; father of three and grandfather of four children; former volunteer fireman, small business owner, inventor, and manufacturer of a household sewing machine product; self-taught theologian, ethicist, and holistic life coach; principal of Daniel Raphael Consulting since 2003; and a remarkably unsuccessful self-published author of numerous books, papers, and articles. Daniel enjoys public speaking and has taught numerous classes and workshops nationally and internationally.

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Master of Science in Education

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Doctor of Philosophy (Spiritual Metaphysics),
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Masters Dissertation: *A Loving-God Theology*
Doctoral Dissertation: *A Pre-Creation Theology*



Achievements

- * Creator of The EMANATION Process, the core process of any Stage 3 Democracy.
- * Creator of The Design Team Process, which incorporates the seven values and subsequent ethics and morality, the Raphael Design and Validation Schematic, and specific Design Team member roles.
- * Discoverer of the seven innate values of the Homo sapiens species
- * Creator of the Raphael Unified Theory of Human Motivation
- * Creator of the Raphael Unified Theory of Social Change
- * Originator of A Unique, Unified Theory of Ethics, Morality, and Values
- * Creator of Learning Centers for Sustainable Families
- * Discoverer of the Four Foundations for Sustainable Civilizations
- * Creator of the Raphael Premise and Hypothesis for the Existence of Dark Matter and the Increase Rate of expansion of the Universe

SEVEN VALUES HAVE SUSTAINED OUR SPECIES' SURVIVAL



"Love and compassion are necessities, not luxuries
Without them humanity cannot survive."
— Dalai Lama

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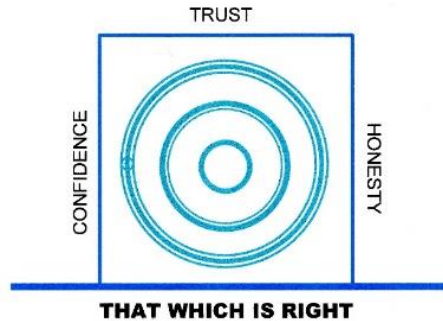
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The task of the leader is to get his people
from where they are
to where they have not been.
The public does not fully understand
the world into which it is going.
Leaders must invoke an alchemy
of great vision.

Henry Kissinger, 1976, Time Magazine



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