

# **AN EVOLUTIONARY SYNTHESIS**

## ***A NEW WORLD VIEW***

### ***Weaving Together a New Memetic Code for the Optimum Future for Humanity***

Barbara Marx Hubbard  
Foundation for Conscious Evolution

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THE EVOLUTIONARY SYNTHESIS IS A WORK IN PROGRESS  
TO BE DEVELOPED BY STUDENTS OF CONSCIOUS EVOLUTION.

IT CAN BE USED AS AN OUTLINE TO DEVELOP A MUCH MORE COMPREHENSIVE  
"MEMETIC CODE FOR AN OPTIMAL FUTURE."

IT CAN ALSO BE USED AS A FRAMEWORK FOR INTERACTIVE DIALOGUE  
WITH SOME OF THE GREAT MEME-MAKERS OF THE 21ST CENTURY.

IT COULD BE A BASIS FOR THE CONVERSATION OF THE 21ST CENTURY.

Barbara Marx Hubbard  
[bmh@evolve.org](mailto:bmh@evolve.org)  
barbaramarxhubard.com

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## **Introduction: AN EVOLUTIONARY SYNTHESIS: A NEW WORLD VIEW**

This Evolutionary Synthesis is an emerging world view that reveals a set of new possibilities for our generation which if communicated and acted upon lead not only to fixing current problems but opening up an ever-evolving future of magnificent opportunities.

In this Synthesis we take the largest possible perspective and recognize ourselves as a young species born into a universe that appears to be designed for ever more conscious life.

This Synthesis is new. Thesis, antithesis, synthesis is the way nature works. This is not the end. It is the next beginning. This new memetic code or world view has never been integrated before because 1) our crises are new, 2) our capacities are new, and 3) no one on Earth is an expert on how a planet matures from its high tech, overpopulating, polluting, warring phase to the next stage of our evolution.

The Evolutionary Synthesis is composed of a “memetic architecture,” or memetic environment -- an interlocking set of creative ideas conceived on the evolution of the Macrocosm (Universe and the Evolution of Evolution), through the Mesocosm (Humanity/Society), to the Microcosm (the Person).

A meme is an idea that lodges in our mind and causes us to act in certain ways. A memetic code is an interlocking set of ideas that can guide the action of whole cultures. As a genetic code guides the formation of a body, a memetic code directs the formation of a culture.

We are seeking to piece together a new memetic code equal to our spiritual, social and scientific/technological potential that can inspire and activate the natural creativity, compassion, and cooperation in humanity toward life-ever-evolving. Every meme selected opens further options for the future.

### **MEMETIC FAILURE**

In this generation we have seen the horror of deadly memes or worldviews such as Nazism, Fascism, Communism, Ethnic Cleansing, Mutually Assured Destruction (M.A.D.), and others. These complex sets of ideas or memetic codes have captured the minds of millions and have led to imprisonment, mass murder, environmental destruction, species extinction, -- unimaginable suffering in the bloodiest century in the history of the world. Yet when the very people who performed these horrors are no longer under the domination of the memetic code that activated them to destructive behavior, like the German people, or Rwandans, it seems hardly believable to them that they could have done it. When memes lose their reality they lose their power. Yet while they are believed they can destroy whole peoples, and eventually the life support system of planet Earth.

Currently, some of our cherished memes are “fading rapidly.”

For example, the Christian Story as interpreted by a literal reading of the Bible is no longer believable to millions, and indeed for all its beauty and goodness, can be narrowed to foster separation, violence, war and the anticipation of massive destruction as leading to the salvation of the believers.

The idea of the materialistic Accidental Universe, mindless, purposeless and directionless, is losing credibility among some scientists, complexity theorists, and cosmologists as the exquisite fine-tuning of the design of evolution toward ever greater complexity is revealed. Theologians and scientists are joining in a quest to understand the process of evolution as a progressive, sacred expression without recourse to an external deity.

Inevitable progress through technology is also losing its credibility. It is no longer possible to believe that increased technological knowledge in our current state of self-centered consciousness will inevitably lead to the good. The explosion of the atomic bombs and nuclear proliferation, deepening poverty and disease, plus the current environmental threats to our life support system and all species on Earth, have destroyed the idea of inevitable progress through increasing technological knowledge in the current economic system.

The memetic code that calls for the ever-increasing build up of military power for greater security at the expense of human and environmental needs is also aberrational and insane.

It is no longer possible to believe that global capitalism and unlimited economic growth as it is now structured will lead to a just economy and global health, as the gap between the rich and poor widen, the

mass media is under corporate control in many areas, and our very life support system and countless species are threatened with extinction.

Democracy in its current form has shown its flaws, and appears to lock its leaders in forced opposition, removed from the will of the people, leading to the congealing of power in the hands of the few at the expense of the many, captured by financial interests, and when imposed on others leads to violence, insurgency and chaos.

## THE MEMETIC GAP

We are facing a Memetic Gap, an opening in the Meme-Field of ideas, as current memes lose their validity. **This memetic vacuum is the dynamic invitation to all of us to identify a new memetic code for the Third Millennium.**

The Synthesis is an early effort to help us cross the Evolutionary Gap from “here,” our current crises and opportunities to “there,” our emerging spiritual, social, scientific/technological potentials, that is, to the “other side” of the transition from one phase of our evolution to the next.

The Evolutionary Synthesis is neither provable nor falsifiable. It is based on current scientific/technological/philosophical/spiritual investigation and controversial hypotheses, combined with social innovations and personal intentions that are shared and verified subjectively among a growing group of individuals.

As this new world view is pieced together and our new memes are synthesized, the resulting picture of reality is not to be pinned on the wall of the church, as Martin Luther once did with his famous 95 Theses, but is to be developed by meme-creators, synthesized in multiple dialogues in a growing “Conversation of the 21st Century,” and communicated through all media and means to as many people as possible.

In this essay, I have selected and woven together those memes from various disciplines that I recognize as parts of a larger memetic framework. These are memes arising through the work of many many innovators that appear to me to provide the greatest potential for life ever evolving. **Others will see it differently. There is no right or wrong here – only an opportunity to join together to cocreate a Conversation of the 21<sup>st</sup> Century on these great themes, until, by trial and error, we discover an integral and life-affirming sense of direction in our unprecedented condition.**

## AN EVOLUTIONARY SYNTHESIS

### Four Integral Elements

This Evolutionary Synthesis is a context in which to identify and integrate the most life-enhancing memes in four integral elements.

#### MACROCOSM

- . The Evolution of the Universe
- . The Evolution of Evolution

#### MESOCOSM

- . The Evolution of Humanity/Society

#### MICROCOSM

- . The Evolution of the Person

These four aspects, integrated, form a great and glorious whole-system Evolutionary Breakout or Phase Change now happening in our midst on planet Earth.

## THE MACROCOSM

### The Evolution of the Universe

**Basic Meme:** *The universe is coming alive.*

The cosmos appears to many to be quintessentially a great unfolding intelligence. There is a developmental path encoded in the unfolding of the universe of which we are conscious vital elements. Our own development is intrinsic to the developmental potential of the universe and we are playing an ever-greater role in that development leading to possibilities in the longer-range future that far transcend the current human condition and give direction to the present moment.

There are many key exponents of this meme including, James Gardner, Steven J. Dick, Paul Davies, Christian de Duve, Freeman J. Dyson, Ray Kurzweil, Sir Martin Rees.

This is a biological universe worldview.

James N. Gardner calls it the Biocosm hypothesis:

*The universe we inhabit is in the process of becoming pervaded with increasingly intelligent life – but not necessarily human, or even human–successor life. The hypothesis implies that the capacity of the universe to generate life and to evolve ever more capable intelligence is encoded as a hidden subtext to the basic laws and constants of nature...Our purpose is to help shape the future of the universe and transform it from a collection of atoms to a vast transcendent mind (Gardener, 2003).*

As Freeman J. Dyson puts it:

*I have found a universe growing without limit in richness and complexity, a universe of life surviving forever and making itself known to its neighbors across unimaginable gulfs of space and time...It appears to me that the tendency of mind to infiltrate and control matter is a law of nature...The universe is like a fertile soil spread out all around us, ready for the seeds of mind to sprout and grow. Ultimately, late or soon, mind will come into its heritage (Dyson, 1998: 117).*

Or in Stephen Hawking's terminology:

*The mind of God is the natural culmination of the evolution of the mind of humans and other intelligent creatures throughout the universe, whose collective efforts conspire to effect a transformation of the cosmos from lifeless dust to vital living matter capable of the ultimate feats of life-mediated cosmic reproduction" (Gardner, 2003: 228).*

(I would delete the words "from lifeless dust" to affirm the meme that Consciousness is fundamental, the field out of which everything is arising -- from energy to matter to mind, all is intelligent.)

In this memetic code we discover that **there is a Cosmic Code**, a subtext that underlies physics that produces ever more conscious life. This subtext is coded within us as our own impulse to evolve. As above, so below. As within, so without. It is “the full suite of physical constants and natural laws that prevail in our strangely and improbably life-friendly cosmos,” as Heinz Pagel, describes it. The Source of this subtext is a Mystery not comprehensible to the human mind, but it is real. And we are beginning to decipher the Code and respond to its directives so we can fulfill its pregnant impulse within us to actually evolve our world and ourselves

Mark Comings writes:

*All matter inclusive of living systems appears to be dynamically arising out of a pre-physical substrate or domain of pure potential energy (which can be thought of as a kind of pre-energy) underlying all material forms. The quantum plenum provides a vibrant, radiant matrix, a sentient dynamic medium, which is the generative source of the mysterious aspects of the subtle energetic forces enveloping and sustaining living systems...Perhaps there exists a kind of geometry or pre-geometry enfolded in the implicate order within the plenum of space that organic matter resonantly engages and couples to (unpublished).*

To put it simply: The hypothesis is that at the basis of our universe is a subtext underlying the physical laws that is designed to create intelligent life whose ultimate goal is to infuse the matter of the universe with ever-more animate intelligence, far beyond carbon-based, Earth-bound human life. The most imaginative part of the hypothesis that James Gardner and others suggest, is that perhaps the purpose of universal intelligences joined is to reproduce new “baby” universes, life ever evolving, and worlds without end.

According to this meme, there will be a cosmic cultural convergence of life between trans-human and eventually post-human life being generated now by us on this planet and other life in other dimensions of reality, whether it be silicon-based “life,” born from other planetary wombs, or light bodies, as in some religious traditions, or in forms still unimaginable to Earth-bound humanity. We will eventually join with other comparable universal life born of other comparable planets (if they be found). This convergence ultimately creates a collective intelligence so great that it has the capacity to reproduce a “baby universe”. According to this meme, we are such a baby universe. This may explain the “fine-tuning” precision of the first three seconds of the first flaring forth of our universe. In this view, the Cosmic Code is actually a message from intelligent life that preceded us, and that we may eventually pass on to other baby universes. In this meme the universe is understood to be designed for ever-more intelligent life capable of reproducing universes with ever greater intelligence.

For we remember that the universe has billions of years before it. To imagine the evolution of the universe billions of years hence, we are stretching our imagination to feel into the possibility of radical new life forms with intelligence that far transcends human intelligent, yet that springs from the same Field or Source...and that we are contributing mightily to THAT.

As James Gardner puts it:

*The universe is coming to life, purposely and in accordance with a finely tuned cosmic code that is the precise functional equivalent of DNA in the terrestrial biosphere. The universe is a kind of vast emerging organism in the process of self-assembly and self-animation, endowed with the capacity not only to replicate itself, but also to transmit heritable traits-the same cosmic code, consisting of the laws and constants of physics, which not only prescribes an ontogenetic program but, similar to DNA, furnishes a recipe for the self-assembly of offspring (so called baby*

*universes)...the universe we are privileged to inhabit is literally in the process of transforming itself from inanimate to animate matter (Gardner, 2007: 157).*

Or as Christian de Duve puts it: *The universe is not the inert cosmos of the physicists...the universe is life...*

In order for this to be possible, we assume the vast acceleration of intelligence beyond carbon-based human intelligence. Gardner's thesis implies *"the emergence of trans-human intelligence as a necessary condition precedent to the task of cosmological engineering by means of which the hypothesized process of life-assisted cosmological predication takes place."*

In this meme, we are a vital link in this cosmic purpose. However, we are just a brief link.

As Steven J. Dick of NASA says: *Biologically-based technological civilization is a fleeting phenomenon limited to a few thousand years, and exists in the universe in the proportion of one thousand to one billion, so that only one in a million civilizations are biological.*

As James Gardner says: ***It is a natural covenant: an unspoken promise (from whom or what I cannot say) that humanity, as the medium through which the laws of nature have engineered their own comprehension, will be privileged to participate in the unfolding of cosmic evolution into the indefinite future.***

As Ray Kurzweil says: *The story of the universe is a story yet to be written by the intelligence it will spawn (2005).*

Eric Chaisson says: *The destiny of the Universe may well be determined by the life that arises from it (quoted in Gardner, 2007: 166).*

This memetic code helps to understand and guide the development of our new radical high technologies such as superhuman computational intelligence, genetics, nanotechnology, etc. We are gaining powers seemingly unnatural for a biological species in an Earth-bound environment. But are they natural for a species living in the solar system, and the galaxies beyond? Are they infant capacities of a universal species practicing while still in the womb of Earth?

In order to understand the future-oriented meaning of our new technological powers, as well as our immediate needs for survival and justice on Earth, we need to take this long range view, and see ourselves, literally at a very young stage in the developmental path in the birth of a universal species capable of coevolving with nature and cocreating with the Code, the subtext, the Spirit of Evolution, the intention of creation, the mind of God, until we fulfill our evolutionary potential as vital links in the great chain toward universal life.

We do not know if this thesis will be proved correct. Gardner thinks that we won't know until we either meet "other life" or give rise to "other life" ourselves.

This worldview gives us the widest possibility of a meaningful future, with a sense of direction and hope for all that needs to be done now.

**The Evolutionary Synthesis also includes here the pervasive human experience of already present "other life," life forms in other dimensions with extra-human capacities such as UFO's, ghosts, spirits, sun gods, crop circles, descended masters, ancient astronauts, near-death experiences, out-of-body experiences, remote viewing, psychic phenomena, channeling, para-normal abilities, sudden remission, psychic healing, the siddhis, visions, and spiritual experiences of all kinds. None of these are fully measurable by mainstream science, nor have we had verifiable *shared* experiences of these phenomena at a large scale. However some scientists are finding a basis for these phenomena at the quantum level.**

*Matter as well as mind, have evolved out of an entirely common womb: the zero point energy field of the cosmic quantum vacuum...The material/mental systems that evolve in the universe are constantly and intimately interlinked through the cosmic womb that has given birth to them. This*



*womb – quantum vacuum—is not a possible “has been” reality, but an active, nurturing mother-factor that dances with all that it gives birth to (Laszlo, 1996).*

(The Society for Scientific Exploration (SSE, website [www.scientificexploration.org](http://www.scientificexploration.org)) is a multidisciplinary professional organization of scientists and scholars committed to studying phenomena that cross or are outside the transitional boundaries of their disciplines, and, for these or other reasons, are ignored or studied inadequately.)

Perhaps most of us are too immature in consciousness to directly experience expanded reality in a multi-dimensional universe. Yet, evolution *is* a consciousness-raising experience. From cell to animal to human we have evolved. Self-consciousness was at one time a quantum jump, so it may be that universal or cosmic consciousness, sensitive to other dimensions of reality, which some extraordinary people already have, may eventually become a new norm.

Peter Russell (1992) has hypothesized that it takes approximately 10 billion atoms to make a cell, and 10 billion cells to make a brain. We are approaching ten billion people on this Earth, (which seems to be the limit of population). He hypothesizes in “White Hole in Time,” that as we approach this number of brains and neurons on the planet, and when we reach a state of mass resonance or coherence of brainwave patterns of a critical mass, that we may be ready for shared experiences of other dimensions of reality. He assumes it will be an experience of intelligent light, a white light explosion, rather than a nuclear holocaust. Many of us have already had flashes of these experiences. However, except for a very few, none of us have stabilized in this expanded level of consciousness. More of this will be addressed in Microcosmic Evolution below.

In summation: We find ourselves on a universal developmental path. The process is coded in the physical laws of the universe, possibly designed by those that came before us. This Code springs from the unfathomable mind of the cosmos or God, and is now becoming conscious in us as evolving humans. We are facing together the radical unknown guided by the “instructions” of the subtext of the universe, which is Create More Intelligent Life.

Now let’s place within the Evolution of the Universe the awareness that evolution itself is evolving.

## **The Evolution of Evolution**

**Basic Meme:** *We are entering the first Age of Conscious Evolution, the evolution of evolution from unconscious to conscious choice.*

Conscious Evolution arises out of:

- The new cosmology – the understanding of cosmogenesis and the evolving universe of which we are a dynamic element;
- Our global crises, which can lead to systems collapse and species-wide extinction, forcing us to evolve or die;
- Our radical new evolutionary technologies which can destroy life as we know it, or transform life beyond carbon-based/technological humanity, transcending the animal-human condition.

Conscious Evolution is experienced *spiritually* as our yearning to connect with the deeper patterns of creation and to become one with that reality.

It is experienced *socially* as the passion to express our unique creativity for the good of ourselves and the larger world. It is felt as a relentless creativity, the incarnation of the process of creation as our own impulse to evolve, to connect, to love on another.

It is expressed *scientifically and technologically* as the human intent to understand nature and to cocreate with nature new forms of healing and evolving ourselves and our world, eventually transcending the current creature-human condition.

Conscious evolution is not a new ideology or philosophy. It is simply a noticing of the fact that we are aware of evolution, and are affecting our own evolution by everything that we do. It is actually evolution become aware of itself as us. We are the face of evolution. Every one of us is evolution in person. The

process of creation has put power in our hands that we used to attribute to our gods. We have created capacities that transcend our moral and spiritual teachings, especially in science and technology. We are literally at the frontier of becoming cocreators with the process of creation or devolution and possible extinction.

Billions of species before us have become extinct. But we are the first to be aware that we can destroy ourselves and other species by our own actions. We are the first to be called to affect the evolution of life on Earth, consciously and deliberately. This is the great evolutionary wake up call.

When we get through this early phase of conscious evolution, I believe that we will look back on this period as the glorious, painful birth of universal humanity, as important as the origin of Homo sapiens sapiens and self-reflective consciousness some forty thousand years ago (Hubbard, 1998).

James Martin (2006: 222-223) says:

*Evolution on Earth has been in nature's hands. Now, suddenly, it is largely in human hands. The extreme slowness of nature-based evolution makes it almost unnoticeable alongside human-based evolution. As we automate some of the processes of evolution, the rates of change will become phenomenal. This change from nature-based evolution to human-based evolution is, by far, the largest change to occur since the first single-cell life appeared .... When it first happens on a planet, it is probably dangerous. The creatures that take evolution into their own hands have no experience in the game.... Now that we are in charge of evolution, we need to learn the rules: Nature's evolution experiments, constantly trying new things. We humans are a new type of experiment -- a young species, still adolescent and playing with fire. Unlike migrating swallows or foraging ants, we are not biologically programmed to know what to do. Instead we are an experiment in free choice. This gives us enormous potential. We will spur evolution of the technology and management capability to exercise that free choice on the grandest scale.*

Jonas Salk (1983) states:

*The most meaningful activity in which a human being can be engaged is one that is directly related to human evolution. This is true because human beings now play an active and critical role not only in the process of their own evolution but also in survival and evolution of all living beings. Awareness of this places upon human beings a responsibility for their participation in and contribution to the process of evolution. If humankind would accept and acknowledge this responsibility and become creatively engaged into the process of metabiological evolution consciously, as well as unconsciously, a new reality would emerge, and a new age would be born.*

Prof. Eric Chaisson writes: *The change from matter-dominance to life dominance is the second of two preeminent events in the history of the universe...if our species is to survive and enjoy a future, then we must make synonymous the words future and ethical, thus terming our next grand evolutionary epoch, ethical evolution (Chaisson, 1998: p.8).*

This is the exact moment in which we find ourselves. We are the first generation to be aware of the process of evolution and that we are a conscious participant in it. We are in and actually *are* the story we have been

discovering. We are the story of creation come alive as our own creativity! In our atoms, molecules and cells lie coded in the whole story of creation.

The Evolution of the Universe has brought us to the stage on this Earth of the Evolution of Evolution itself. The meme of conscious evolution gives us guidance, encouragement, and the rationale to learn how to do it, naturally.

Conscious evolution is the natural awakening of our species as we face the evolutionary crises caused in some part by our own actions, and therefore requires us to learn to use our own powers ethically and wisely in alignment with the subtext or Cosmic Code of evolution. This Code calls for our evolution toward higher consciousness, greater intelligence, more connectivity, freedom, and synergistic order.

## MESOCOSM

### The Evolution of Humanity/Society

The evolution of the universe toward more intelligent life, combined with the evolution of evolution toward choice and human guidance, of necessity requires the maturation of our species. We will grow up, or self-destruct while still in the womb of Earth and in the limits of self-centered consciousness.

**Basic Meme:** *Our story is the birth of a universal humanity capable of coevolving with nature and cocreating with Spirit, the Cosmic Code.*

We now seek to identify and develop memes to guide us at the threshold of conscious evolution, in a universe that we assume is coded to produce intelligent, universal life ever-evolving.

We see that humanity has been cocreating a new realm of being. Out of the geosphere, the hydrosphere, the biosphere there has emerged the noosphere, the thinking layer of Earth. It began with language when we learned to communicate “exo-genetically,” outside of the genetic code.

*The noosphere is the mind sphere; it is the larger social body created by human intelligence. It is composed of all the spiritual, cultural, social, and technological capacities of humanity, seen as one interrelated superorganism. It is formed from our languages, our art and music, our religious and social structures, our constitutions, our technologies and more.... We are now born into an extended social and scientific capacity that has never existed before on Earth. It is through this collective social body of shared intelligence, capacities and systems that we go to the moon, map our genes, clone a sheep, and transmit our television images around the world at the speed of light. It is into this body that we as “imaginal cells” are born, in the still invisible body of the “societal butterfly.” Conscious Evolution has arisen at this precise moment of history because the noosphere has matured and has given humanity powers to affect evolution by choice (Hubbard, 1998: 15).*

Gregory Stock describes this superorganism:

*Imagine looking down from the moon at the night side of an Earth pitch dark and invisible except for a brightly lit network of human constructions – luminous cities, highways, canals, telephone and power lines. A faint, speckled web of light would seem to float in space. Some regions of this*

*lacework would form intricate geometric patterns; others would seem random and disconnected. Far from inert, this distant pattern of light would change and grow over the decades, its shimmering fibers forming, extending, and joining in an almost vegetative fashion. This resemblance to life is not mere coincidence; the thin planetary patina of humanity and its creations is truly a living entity. It is a 'superorganism,' – a community of organisms so fully tied together that it is a single living being...beyond and transcending humans...though human centered, it is more than just humanity. Now, in what amounts to but an instant of evolutionary time, we have left the caves to walk on the moon. What and where will we be after another such instant? (Stock, 1993: 19, 20, 23)*

We are in the process of being born as a universal species. According to this meme, we are “post-birth.” In the 60s and 70s we penetrated our biospheric womb and saw ourselves as one planetary body from outer space. Since that time we have been struggling to coordinate ourselves as one planetary ecology.

The noosphere, in the words of Teilhard de Chardin is about to get its “collective eyes.” Our planetary super organism is integrating into one whole system while we, its cocreators hardly are aware of what we have done. Many of us think we are failing, dying. This could be true; we could fail. Any birth can fail. However, from the perspective of our birth as a universal species, we see that we are pre-patterned, but not pre-determined, to succeed.

From the vantage point of our birth as a universal humanity, we are not dying; rather we are in a dangerous but natural condition, just post-birth, not yet awake, yet become aware that if we do not shift our behavior from over-populating, polluting and fighting we will self destruct. We can see that we are naturally hitting a limit to one form of consciousness and of growth in the womb of Earth. We are *naturally* running out of non-renewable energy. We are *naturally* beginning to limit our population growth. We are *naturally* struggling to coordinate ourselves at a planetary scale, to manage a planetary ecology, to get food to all members of our planetary body, to handle our own waste, to stop the extinction of other species, etc.

These “problems” are no more a mistake than a baby’s growth in the womb at the ninth month is a mistake. The very pain caused by these conditions is vital to our birth. Without the pressure of this pain we would never wake up to our full potential. Our crises are leading to our evolution. They are signs of the next stage of our evolutionary life. They are forcing us toward conscious evolution, or devolution and self-destruction. **It makes a huge difference as to what memetic code we choose to evaluate our current condition.**

The metaphor of a birth is revealing here.

**A baby will die if it stays in the womb when it is time for it to be born. It is outgrowing the womb. Space scientist Krafft Ehrlicke told the story of the fetal scientist in the womb in the seventh month. The scientist is predicting that by the eighth month there will be over crowding, by the ninth month there will be deadly pollution, and by the tenth month, the organism will be dead. Of course the fetal scientist does not know about birth. He has never seen it before.**

If a mother did not know about birth, she would think that she is dying. And when she saw the new-born she might be horrified! But since she knows about birth, she understands the meaning of the pain, and she is hormonally programmed to love the unknown child. Her breasts fill and she experiences unconditional love for the infant, naturally. Not because it will grow up to be a lawyer or doctor, but because it IS value, it IS life!

However, since we have never seen another planet go through its crises of a “planetary birth,” many people do believe we are dying or that we are guilty and a failure as a species. When we see our potential for life, we will not fail. But we need a new memetic code to guide us, or as Teilhard de Chardin said, we might fall out of love with our species, losing our attraction for our future.

Opening our collective eyes we discover that we already have the capacity to solve every problem and realize unimaginable new capacities.

In fact, we are already beginning to do so.

But our mass media is still an infantile nervous system. It reports on problems, pain, dissension, and then puts us to sleep. Like a baby's nervous system just after birth. It does not know what is emerging. It does not recognize our evolutionary potential as real. It does not pick up the reality of our own potential. It has never seen a planetary organism come to life! Like the natives who did not recognize the great ships of the Spanish explorers because they had never seen them before, our mass media does not recognize our emerging culture and the people that are creating a new world in our midst, because it has never seen it before. Yet our new media, our Internet, cell phones, texting, and other personal communication devices are already linking us into one interacting social body, transcending our mass nervous system.

Our political system is structured for balance of powers through separation and opposition. It does not usually respond to new forms of self-organization, cooperation, and communication that are proliferating at the grass roots level under the surface of powerful institutions, already changing the world.

Our academic institutions are for the most part teaching students in separate unrelated disciplines to succeed in the existing world, without awareness that we are undergoing a whole system shift to the next stage of our evolution, and that they should be preparing students for their unique roles in the conscious evolution of humanity.

Our military is usurping some of our advanced technologies, building ever more effective killing machines. As a society we need to shift the evolutionary goal posts from dominance and control to co-evolution and transformation. In the famous words of Buckminster Fuller "from weaponry to livingry." Can we shift our guiding memetic code in time to save ourselves from self-destruction? That is our question.

**From the Evolutionary Synthesis point of view we see ourselves as a very young universal species, just after our birth as a planetary/universal species, whose problems are natural to this stage yet whose memes are still pre-birth or pre-evolutionary and dangerously misguided.**

Let's see what is happening when we see ourselves as an emerging, self-evolving species. Let's take the perspective of a more mature humanity, what we will be like when we grow up just a little and begin guiding our own evolution wisely and humbly.

We are not ignoring here the Spiral Dynamics understanding of the various stages of cultural values and development in which various groups of humanity function now. We are taking the "Overview Perspective" to catch hold of that which is emerging from a planetary universal developmental perspective, realizing that although our planetary body is not yet functioning as a whole, although it is broken into conflicting memes and cultures, nonetheless, we are one living planetary organism. Our whole system is complexifying and integrating, whether we like each other or not!

## POSITIVE INTELLIGENT RESPONSES

Here are five major categories of positive intelligent responses that have not yet been fully mapped or connected, but are none the less all happening simultaneously, right now.

**One:** *Emergencies*

**Two:** *Rise of the Eco-Zoic Age (understanding nature's intelligence);*

**Three:** *Personal Growth and Spiritual Evolution;*

**Four:** *Emergences (Social Innovations that work); and*

**Five:** *Quantum Evolutionary Technologies* that are now radically changing the human condition.

### Emergencies

**Emergencies are time critical-problems that must be solved quickly if humanity is to survive and grow. We are given a very short time frame in which to change, far shorter than is usually possible at the cultural/social level.**

From the perspective of our "birth" as a universal humanity, we can see that these immediate problems are "hygienic." They require immediate responses in order for us to secure our vital functions for the next phase of our evolution.

We know we can't return to a past stage, or stay where we are. Just as a new -born baby must rapidly breathe, coordinate, nurse, eliminate, so humanity as a social body must quickly respond to its "hygienic" life support problems such as global warming, environmental degradation, mass extinction of other species vital to Earth life, the spread of weapons of mass destruction, massive poverty, hunger, epidemic diseases, social injustice, etc. These problems are time critical. We do not have long to change our behavior. If we look at these problems as separate unrelated breakdowns brought on by misbehavior, mistakes, or simple greed and unconsciousness we will not catch hold of the dynamics of what is actually happening.

To have some compassion on ourselves as a very young universal species...we have not yet seen another planet go through this phase change from its high technology, over-populating, polluting and warring phase. We are so far, unique to ourselves. We do not even know if we are doing well or badly!

From the point of view of the developmental path of a universal species every one of these hygienic, immediate problems is natural, and is naturally activating capacities and initiatives to solve them. We are beginning to shift to renewable resources, clean energy, conservation, protection of species, community-building, organic farming, barter, micro-credit loans, etc, etc. These initiatives are not led from the top, are not even yet named as a movement, and reported hardly at all in the mass media. Most of us do not know what is happening because our current media, our planetary nervous system, does not inform us.

The truth is, a vast global movement is arising dealing with these 'problems' in such a way as to transform the world. We are witnessing a response to life threatening conditions far beyond any past movement or current leadership.

Paul Hawken (2007a) writes:

***A Global Democracy Movement is about to Pop:** I believe there are over one million organizations working toward ecological sustainability and social justice. Maybe two...After spending years researching this phenomenon, including creating with my colleagues a global database of these organizations ([www.wiserearth.org](http://www.wiserearth.org)) I have come to these conclusions: this is the largest social movement in all of history, no one knows its scope, and how it functions is more mysterious than what meets the eye.... the movement can't be divided because it is atomized – small pieces loosely joined, it forms, gathers, and dissipates quickly...it has been known to bring down governments, companies, and leaders through witnessing, informing, and massing. ...The movement has three basic roots; the environmental and social justice movements, and indigenous cultures' resistance to globalization—all of which are intertwining. It arises spontaneously from different economic sectors, cultures, regions, and cohorts, resulting in a global, classless, diverse, and embedded movement spreading worldwide without exception.... It is the largest coming together of citizens in history. ...**The promise of this unnamed movement is to offer solutions to what appear to be insoluble dilemmas: poverty, global climate change, terrorism, ecological degradation, polarization of income, and loss of culture. It is not burdened with a syndrome of trying to save the world; it is trying to remake the world.***

Hawken (2007b) expands on this theme in "Blessed Unrest: How the Largest Movement in the World Came into Being and Why No One Saw It Coming." His website ([www.wiserearth.org](http://www.wiserearth.org)) maps these organizations and invites all of us to add our own activities in a self organizing system for the next level of self-governance. He plans to set up wiser business, wiser government, and wiser philanthropy. This is a sign that we are almost ready for the non-linear connectivity of that which is already at work to heal and evolve our world.

We are now responding to these problems on a planetary scale for the very first time. There is a collective co-intelligence beginning to arise among us.

While millions of small organizations, NGO's, and groups of all kinds are rising throughout the world, it is also true that large scale philanthropists such as Bill and Melinda Gates, Warren Buffet, Ted Turner, George Soros, Bill Clinton and others, representing collectively trillions of dollars, are assuming responsibility for immediate needs.

The good news is, as awareness of crises such as global warming, AIDS, poverty, violence is increasingly spread by our infant mass media, more and more of us are awaking to the pain of the world and the need to do something about it. The pain has always been there. People have been hungry, dying of disease, fighting each other for a long while, but never have we been aware of it on a planetary scale, nor have we realized that we could destroy our whole life support system. **This threat of species extinction is the greatest wake-up call in the history of humanity, and we are beginning to awaken at many levels.**

### **The Eco-Zoic Age, Earth Wisdom, Nature's Intelligence**

Our growing understanding of the "household of life," the Earth community, the intelligence of nature, the connectivity of all species in a living web of life is vital to our survival and thriving.

We are tapping into nature's experience of billions of years of evolution. We humans are the newcomers. We are the newly born species! Yet, we are composed of trillions of cells and bacteria that have learned to live together. We are the universe in person. In our genes are all the generations.

We are Nature personified, learning the wisdom of nature of which we are an outgrowth. We are reconnecting with the first cultures, the original people, combining their sensitivity and connectivity to Earth life with our mental, rational, 'noospheric' intelligence, leading to the creation of something far greater than ever existed before.

We are learning **Biomimicry** (from *bios*, meaning life, and *mimesis*, meaning to imitate). *It is a new science that studies nature's best ideas and then imitates these designs and processes to solve human problems. Studying a leaf to invent a better solar cell is an example of this innovation inspired by nature* (Benyus, 1997).

There are clean energy sources, better sustainable forms of agriculture, new ways of building, recyclable buildings, even cities, new designs for communities and cities, new patterns of Earth community that are actually more beautiful, sustainable and can lead to a higher quality of life for all.

Brian Swimme evokes in us a Comprehensive Compassion: *The universe is a continuous radiant, numinous revelation...we are reinventing the human as a dimension of the emergent universe...Our challenge is to reinvent civilization* (Swimme, 2001)

William McDonough calls for "*Cradle to Cradle Community, an anticipatory design science which integrates processes of nature's biological metabolism.*"

Now, let's add to Emergencies and the Ecozoic Age a third category: Personal Growth and Spiritual Development.

### **Personal Growth and Spiritual Evolution**

Let's see this as the awakening of the new-born "planetary child" to the fact that it has to be responsible for its own self. We have been built, nourished and cared for in the womb. Now, we are being born and have to learn to act as a whole being.

We are all members of this living planetary organism. As we awaken, each of us is called to self evolution, greater personal responsibility...wholeness.

There is now an immense and yet uncharted movement toward well-being and extended human capacities including holistic health, diet, exercise, yoga, responsibility for our emotions, our relationships, our differences, tolerance of others, self-respect and respect for others, conscious parenting, conscious reproduction, conscious dying, conscious life extension, conscious extension of intelligence, enhancement of creativity, personal abundance...kindness...tapping into the enormous potential of the humanistic, transpersonal, sacred psychologies, New Thought, as well as new evolutionary technologies.

Along with Personal Growth we see the rise of its natural companion, a deepening spirituality—personal, beyond dogmas and separations of the past.

**An evolutionary/integral spirituality is being born.**

The Core of the spiral, of the Great Creating Process, is coming alive within us, as ordinary people.

We could call it the soul of evolution, or the Still Center of the Turning Spiral becoming aware within us as our own motivation to connect, evolve, to grow and to love.

Drawing from the great wisdom traditions of the past, and the new psychologies of the present this spirituality transcends dogma and separation, bringing people together experientially through love of Spirit, Source, God, the higher dimensions of being and consciousness and through the yearning to love one another.

The mystery schools of the past are opening their doors. Wisdom and esoteric traditions are available on Internet. Teachers, monks, mystics and shamans from past traditions are serving as consultants and guides in business, the military, the educational institutions wherever possible.

New evolutionary mystery schools are forming.

Mass meditations are connecting millions in common prayer for peace, kindness, sustainability, love.

Non-violence and peace groups proliferate throughout the world.

Interfaith activities are on the rise. Prayer groups are springing up everywhere. People are meeting in small sacred circles to support one another to overcome addictions, to deepen their spirituality, to practice the power of prayer, to meditate, and to share intent.

Scientists and spiritual pioneers are meeting to understand the implications of quantum physics, the amazing fine-tuning of the universe, the strange effects of entanglement and of simultaneity, the connectivity of particles beyond time, and the awareness of time itself as a human construct.

Science is also exploring anomalies that material based science cannot explain like psi-phenomenon, UFO sightings, Crop Circles that cannot be dismissed.

Questions of God, meaning, purpose, evolution are opened now for new exploration. The mysteries are deepening as we discover the extraordinary capacities of universal evolution and the intelligence apparent at every level of being.

What was science fiction is now becoming evolutionary exploration. Revelation is unfolding in evolution.

Many of us believe that we are on the threshold of the greatest personal/spiritual/consciousness expansion that the world has ever seen -- beyond religions and dogmas toward direct experience of the Process of Creation or the divine. In simple words, we are learning to internalize the divine, to bring the gods home within ourselves as our own divine essence.

Peter Russell in *“White Hole in Time”* imagines that instead of the nuclear explosion, there will be such an explosion of spiritual awakening that the world is lit from within by the White Light of Consciousness itself.

We might even call this complex phenomenon a “meta-religio”...a place, in consciousness where “the God of history indwells in us as our own contact with the divine,” as Sidney Lanier puts it...And into which all religions can offer their unique gifts toward the conscious evolution of humanity. In a way, we are moving toward the fulfillment of religion itself through the evolution of the person...and the world.



## Emergences

Along with our responses to immediate *emergencies*, our growing *understanding of nature* and our *personal and spiritual growth*, there are *Emergences*, natural capacities of the emerging social body. Social innovations are now working toward incremental, positive change in every field and function. Out beyond the problems, beyond the millions of organizations designed to deal with immediate crisis, there are new possibilities, innovations and breakthroughs that together reveal a new world arising in our midst.

These emergent capacities, or Emergences, may seem ineffective when viewed in isolation from each other, but when seen as connected vital elements of a whole system shift, they reveal the emergence of a new social body. Emergences together create a sense of optimism and hope because they reveal to us that we can survive and grow. They relax the new planetary body, such that we can just faintly begin to open our collective eyes, see that we can survive, and be ready to smile our first “planetary smile!”

How might all that is emerging actually be coordinated?

“*Everything that rises converges*” as Teilhard de Chardin told us.

**In this Synthesis we are seeking the hidden processes whereby nature, when faced by crises to life, has been coordinating itself for billions of years, taking quantum jump after quantum jump toward greater consciousness, and freedom through more complex order.**

Marilyn Ferguson (1980: 164) wrote:

*The continuous movement of energy through the system results in fluctuations; if they are minor, the system damps them and they do not alter its structural integrity. But if the fluctuations reach a critical size, they perturb the system. They increase the number of novel interactions within it...the elements of the old pattern come into contact with each other in new ways and make new connections. The parts reorganize into a new whole. The system escapes into a higher order. Ilya Prigogine (Nobel prize winner for his work on dissipative structures) said, at higher levels of complexity, the nature of the laws of nature changes; Life feeds on entropy. It has the potential to create new forms by allowing a shake up of old forms. The elements of a dissipative structure cooperate to bring about this transformation of the whole.*

The planetary system we are in is far from equilibrium. Small islands of coherence in a sea of social chaos can shift the whole system to a higher order.

Nobelist Ilya Prigogine, the Belgian chemist, suggested that

*A system in balance and functioning well is difficult to change, but as a system falls into disorder, change becomes more and more feasible and finally inevitable. At that inevitable point the least bit of coherent order can bring to order the whole disorderly array. Which direction the change takes depends on the nature of the chaotic attractor that lifts the chaos into its new order. If that chaotic attractor is demonic, the old cycle simply repeats itself, which seems to have been historically the case for our species. But if the chaotic attractor were benevolent or “divine,” the new order would have to be of that same nature (Pearce, 2002).*

The reality is that we are naturally cocreating small islands of coherence in the sea of social chaos. By the natural tendency of nature to form new whole systems out of separate parts, people are linking up with each other and connecting their projects that are working.

Every evolving system, such as health, education, energy, environment is networking within itself.

We may be one evolutionary instant from the networking of networks of positive change. The Internet and other new media is our expanded nervous system. We may well be at the threshold of a non-linear exponential interaction of innovating elements such that the system can cooperate in its own self-transcendence.

To cocreate such a fluctuation, we remember that the way nature takes quantum jumps is through greater synergy – separate parts coming together to form a new whole system greater than and unpredictable (i.e. radically new) from the sum of its parts.

We are *being coordinated* by the same processes of creation that brought atom with atom and cell with cell. Is nature's tendency to self-organize into more synergistic systems what is happening within us now?

Our most important social purpose in this realm should be to foster and facilitate this connectivity. We call it *social synergy* -- the exponential interaction and communication of that which is already working to heal and evolve our world.

An evolving form of self-governance is emerging. I call it Synergistic Democracy or SYNOCRACY. It is happening already wherever people assemble as co-equals to cocreate and cooperate.

For example, the Institute of Noetic Sciences (IONS at [www.noetic.org](http://www.noetic.org)) has convened a *PartnerShift* process of many networking groups to find a structure of self governance through which innovating groups and people can form an alliance of alliances, seeking to foster social connectivity, co-intelligence, and synergy, eventually at a global scale. As we have seen, [www.wiserearth.org](http://www.wiserearth.org) is already mapping and connecting millions of people. Deepak Chopra's Alliance for a New Humanity (see [www.anhglobal.org](http://www.anhglobal.org)) is also coordinating groups throughout the world.

New management processes are stimulating cooperation, coordination, cocreativity, leading to emergence.

Otto Scharmer (2007: 31-35) describes new forms of collective power arising. He calls it *Presencing: Learning from the Future...Presencing is to sense, tune in, act from one's highest potential...the future that depends on us to bring it into being. We are connected to the deeper realm of emergence; listening from the field of the future...we are in communion or 'grace.'*

In the 1970's in The Committee for the Future we did 25 SYNCON conferences in Wheel-shaped environments divided into major functions of the social body. Our purpose was to examine long-range evolutionary goals and to foster synergistic convergence of opposing groups and activities. Every group was asked to state its goals, needs and resources. Then we took down walls between sectors and asked people to seek common goals among conflicting or separate functions and to match needs and resources. The social synergy worked every time. There was a spontaneous experience of exhilaration; everyone found they could get what they wanted well through cooperation than opposition. There was an experience of social love, of overcoming stereotypes, of the reality that the whole is greater than the sum of its parts. It was an early experiment in social synergy.

Another harbinger of a change in our political system came in 1984 when my name was placed in nomination for the vice presidency of the US on the Democratic ticket suggesting the function of social synergy and cooperation be placed in the office of the vice presidency. I called for an *Office for the Future* and a *Peace Room* to be as sophisticated as our war rooms. Its purpose is to map, track, connect, and communicate what is working in America and in the world. There are now several efforts underway to build the *Peace Room* under a variety of names.

We can visualize the process of social evolution through innovations as a Wheel turning within our Turn on the Spiral.

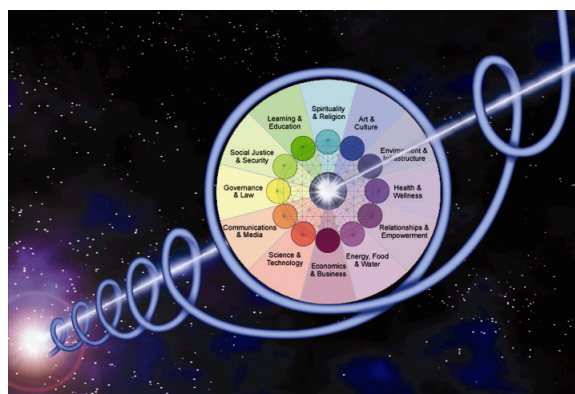
## THE WHEEL OF COCREATION

The Wheel is a matrix to magnetize and self organize the new memetic code of what is working. It holds the rapidly growing information and intelligence of the emerging world seen as a natural next turn on the spiral of evolution.

*Universe, Earth, Life, Animal Life, Human Life, and now us going around the next turn on the spiral of evolution.*

*Our turn on the spiral represents the culmination of 14 billion years of evolution on this Earth, now coming into form as a planetary/universal species capable of understanding its own evolution, learning its own birth story, beginning to co-evolve with nature and to cocreate with the deeper patterns of creation internalized as our own spiritual motivation to love, create and evolve.*

(This Wheel function can be applied to bring communities together as a whole, in synergistic convergence to foster social synergy and cooperation essential to our emergence (Hubbard, 1998: 124). The Wheel is now being developed and jointly connected by several groups including Pathways to Peace, IONS, The Tipping Point Network; projects such as Foster Gamble's movie Thrive, and my own Conscious Evolution Curriculum for Wisdom University, and more every day.



As I see it, the Wheel is Our Turn on the Spiral. The spiral is ever-turning. Those who are consciously choosing to cocreate within it are becoming ever-more intelligent, compassionate and connected. The whole Wheel is turning toward the next stage of evolution – what we are seeking to understand through this Synthesis. It is driven by the underlying subtext or Cosmic Code that animates the whole universal process of evolution.

Visualize first the Core of the Spiral as the universal process of creation, the universal intelligence or Consciousness Force animating matter, life, animal life, human life and now becoming conscious of Itself as us.

In earlier stages of evolution, the Core of the spiral entered into the consciousness of extraordinary individuals who founded religions, sciences, arts and ethical systems of the world. Now as a natural component of the evolution of human consciousness the doors of the dogmas of the past -- religious, social and scientific -- are opening. The Core of the spiral is breaking through in millions of us as our own motivation to create, to evolve, to participate in our own evolution. We are becoming a “new norm.”

See the Wheel of Cocreation as a matrix of the new ever-evolving social body. All of us are coded from within to fulfill our potential. We are attracted to express our unique creativity as part of the larger body of the noosphere. We are called to new functions to heal and evolve our social body as an expression and actualization of our own potentiality. These aspects of society can be symbolized as sectors of the Wheel representing vital functions of the social body such as Health, Education, Economics, Environment, Governance, Arts and Media, etc.

When we find each other, when we meet those who attract us, we are aroused into creative action.

This Wheel is be a new social function that continuously would continually scan for, map, connect, and communicate what is working in the world. If the Wheel of Cocreation were operative now, we would see the new world that is already arising in our midst.

This new function would offer us awareness of humanity and our whole planetary system as a living organism. It would tell us where the problems are, who is working to solve them, where the new

innovations are -- all seen as organic elements of a living system now in formation. It would provide for us the *new* news of who we are becoming in such a way to activate our potential to participate.

Imagine at the Center of the turning spiral a sacred space in our consciousness, not a temple, but a set of arising templates or patterns of evolution such as social synergy, now breaking through into our awareness. This sacred space is an evolutionary design space in consciousness wherein we pick up the pattern of creation from within as our own motivation to evolve, and from without, by signals of what is working toward a sustainable, evolvable world.

This Still Center can be seen as a new spiritual space in consciousness into which the churches, temples, mosques and spiritual groups of all kinds contribute their wisdom, added to now by the sacred evolutionary design revealed to us through the collective “eyes” of the noosphere.

In this organic process new visions emerge. Visions of the next turn on the spiral. We see our Wheel turning, turning, and turning toward higher more complex forms of life. It is we who are becoming higher life. It is we who are being imbued with spirit.

We are consciously picking up the impulse of evolution.

Now see this center surrounded by the great innovators and creators of our time, those who are already learning how to make the world work at some vital, practical and real time level. People like Hazel Henderson in economics, Rinaldo Brutoco in business, Dee Dickenson in education, Edgar Mitchell in Noetic Sciences, Amory and Hunter Lovins in energy, Jean Houston in creativity, Jerome C. Glenn in global futures, Don Beck in social evolution, etc. See these creators and innovators acting as stewards, initiators, and guardians of every sector of the Wheel. See people being attracted to their new functions and life purpose within the Wheel. See them entering every sector, placing themselves on the Map of Cocreation, finding their teammates, telling their stories as the *new* news, and connecting and learning from the growing community of cocreators world-wide.

**We are reinventing the Wheel. This Wheel is “coming alive.” It is a magnetic matrix attracting into itself what is working. As people and projects enter the Wheel, they place their work in clusters based on similar functions – innovations in health, in education, in energy, etc, until the new social body reveals itself.**

As the Wheel turns it pulls us forward. It takes us across the evolutionary gap from *Here*, our current state of overpopulation, pollution, resource depletion, war, etc., to *There*, an ever-evolving, sustainable, compassionate and cocreative world.

The turning Wheel is non-linear. It fosters social synergy by mapping, connecting and communicating what is working, helping us to jump the evolutionary gap in time to avoid the great collapse that is foreseen by many.

Jonas Salk has written of the requirement to move from Epoch A: our current set of crises, especially population growth and pollution leading to possible collapse of our life support system, to Epoch B: the next stage of our evolution, symbolized by a sigmoid curve.

The Wheel of Cocreation enters the “Gap” between Epoch A and Epoch B. Through its non-linear, exponential linking of vital functions it spontaneously creates for us a new whole system at an operative level, carrying us across the evolutionary threshold to the next stage of life.

### **A VISIONARY MEMETIC FLASH A way to see the story as a planetary birth.**

Take the universal, galactic perspective. Let us visualize ourselves as astronauts, floating weightless above the Earth.

Now concurrently see ourselves as cells in the living body of Earth.

Feel our collective struggle to coordinate as one planetary body. Feel ourselves running out of non-renewable resources. Feel the pollution clogging our lungs, feel the pain of so many of us flashing through the infant mass nervous system to the whole body as the suffering of billions of people is communicated to the whole body.

See a few frames ahead in the move of our planetary birth.

For one moment, let's speed up the movie of creation and see a few frames ahead. Let's feel the pain together. Let's connect our entire planetary body in a moment of shared pain. (This almost happened in 9/11, or in Katrina, but the feeling of pain did not last long enough. It did not reach a critical mass of attention for long enough.) Now let's feel a degree of pain so intense that everyone pays attention at once. There is a world instant of shared attention to the collective pain. Suddenly, this shared attention fosters a mass opening of the heart. Mass resonance occurs. Comprehensive compassion arises. We feel with one another. The pent-up love in our hearts, dammed up by the illusion of separation and fear is overcome. And finally, the outpouring of empathy and love doesn't stop. It has hit critical mass. People are aware everywhere. The mass media picks up the stories of people being together, in the streets, in the town, the villages, just as we did in celebration of the Millennium in 2000. There is a natural healing taking place. As when Jesus walked through the streets, people were healed, so now we are healing each other. The Core of the Spiral, the animating spark of consciousness has been revealed *in us* as our own conscious awareness. The inner voice that has "spoken" to great individuals in different languages and religions, now speaks to each person in their own language, in their own images.

A social miracle takes place. Each function in the social body is now being filled with positive responses to emergencies and with emergent potentials. Each function is being connected and coordinated *simultaneously* by the same process of creation that brought together atoms to form molecules and molecules to form cells. We are being brought together as conscious members of the living planetary body. Social synergy among innovating elements in the Wheel of Co-creation is being fostered naturally.

Humanity is waking up as one global body. As we are coordinated as one social body, we relax. We release our fear. We open our collective eyes, and we **smile our first "planetary smile."** This is happening in our lifetime. The speed up of the breakdowns is currently accelerating the convergence of breakthroughs.

## Quantum Capacities

These are evolutionary technologies that radically change the human condition.

As there are emerging transitional technologies like solar and wind in the energy field, there are also "disruptive technologies," or quantum technologies. These are technologies that transcend our existing capacities, and radically change our economic, political, educational systems with genuinely new options and dangers.

**From the perspective of the Evolutionary Synthesis, quantum capacities can best be fulfilled without destructive unintended consequences, by the synthesis of higher consciousness, deepened compassion, with quantum technologies, guided by the Cosmic Code for universal life. They can best be understood as the early stages of the capacities of a new born universal species getting ready for universal life, dealing with its life-threatening emergencies on Earth, activating its emerging incremental capacities, and practicing its quantum capacities for a quantum jump toward the next stage of evolution.**

As Jerry Glenn (1989:1,3,5,7) puts it:

*In this worldview we are seeking the merger of the mystic and the technocrat to achieve an altogether new civilization. When this happens in the 21<sup>st</sup> century we will have a world renaissance that could properly be called the "Conscious Technology Civilization...There will be many views of the mutual creation of consciousness and technology, but the core view will be determined by the future relationship of "mystics" or the masters of consciousness and the "technocrats" or the masters of technology... it is possible to merge such different world views, if the merger is with the mystic's attitude toward the world and the technocrat's knowledge of the world.*

*Conscious Technology can be understood as the worldview that civilization will evolve into a continuum of technology and humanity by the integration of technology with our bodies and our bodies with technology and that this integration will be improved to the degree that mystic and technocrat worldviews merge.*

Ray Kurzweil (2005a: 205-206) gives his view:

*The first half of the twenty-first century will be characterized by three over-lapping revolutions – in Genetics, Nanotechnology, and Robotics. We are in the early stages of the “G” revolution today. By understanding the information processes underlying life, we are starting to learn to reprogram our biology to achieve the virtual elimination of disease, dramatic expansion of human potential, and radical life extension. ...The “N” revolution will enable us to redesign and rebuild – molecule by molecule – our bodies and brains and the world with which we interact, going far beyond the limits of biology. The most powerful impending revolution is the “R”: human-level robots with their intelligence derived from our own but redesigned to far exceed human capacities. “R” represents the most significant transformation, because intelligence is the most powerful “force” in the universe. Intelligence, if sufficiently advanced, is, well, smart enough to participate and overcome any obstacles that stand in its path.*

Kurzweil posits that we are quickly approaching a radical discontinuity with what has come before, a *singularity*.

What is a Singularity?

*It's a future period during which the pace of technological change will be so rapid, its impact so deep, that human life will be irreversibly transformed...This is based on “the law of accelerating returns” (inherent acceleration of rate of evolution, with technological evolution as a continuation of biological evolution...The key idea underlying the impending singularity is that the pace of change of our human-created technology is accelerating and its powers are expanding at an exponential pace...The singularity will represent the merger of our biological thinking and existence with our technology, resulting in a world that is still human but that transcends our biological roots. There will be no distinction, post-singularity, between human and machine or between physical and virtual reality (Kurzweil, 2005a: 7, 9).*

The memetic code put forward by Ray Kurzweil complements Jim Gardner, Freeman Dyson, Gregory Stock, Sir Martin Rees, Christian de Duve, Steven J. Dick and others who sense that the universe is designed to come fully into conscious intelligent life.

Kurzweil continues, under the heading *On the Intelligent Destiny of the Cosmos...*

*In the aftermath of the Singularity, intelligence, derived from its biological origins in human brains and its technological origins in human ingenuity, will begin to saturate the matter and energy in its midst...the matter and mechanisms of the universe will be transformed into exquisitely sublime forms of intelligence, which will constitute the sixth epoch in the evolution of patterns of information...this is the ultimate destiny of the Singularity and of the universe*  
(Kurzweil, 2005a: 21).

Kurzweil is controversial. Many decry his over-optimism, such as Bill Joy, cofounder of Sun Microsystems, in his famous cover story for *Wired*, “Why the Future Doesn’t Need Us.” Joy suggests we limit development of technologies that are too dangerous, (which seems wise). Others, such as Bill McKibben, the environmentalist who was one of the first to warn against global warming, have advocated relinquishment of broad areas such as biotechnology and nanotechnology, or even of all technology.

Kurzweil (2005: 395) comments: *...not only would such a solution be inconsistent with our democratic values, but it would actually make the dangers worse by driving the technology underground where only the least responsible practitioners (for example, rogue states) would have the most expertise.*

Others, like Nassim Harramein and Mark Comings believe that we will not need to manipulate our own biology, but rather, we will tap into the causal level in the quantum vacuum. We will be able to “engineer the vacuum,” as Harramein puts it. We will thus gain direct access to the almost infinite energy in the vacuum. We will gain the capacity to affect gravity, (anti-gravity), to evolve our own bodies, eventually transcending the current creature human condition through resonance with geometric structures at the causal level, that which is *causing* physics and biology. This is preferable, he says, to manipulating our biology further up the chain of life. Harramein says that our bodies are magnificently intelligent entities alive with the intelligence of trillions of cells, arising out of the quantum vacuum. We are midway between the infinitely large and infinitesimally small, capable of resonating with the fundamental code of evolution. (See more about Nassim’s work at [www.theresonanceproject.org](http://www.theresonanceproject.org)).

We can see that the views of Harramein and Comings and others like them are even more fundamentally “disruptive” than that of Kurzweil, and those working in genetics, nanotechnology and robotics. Both views lead, however, to a “singularity,” a quantum jump.

How scientific/technological breakthroughs are applied largely depends on the ethos guiding science. We need standards guided by an ethos of caring and responsibility for the development of biotechnology, nanotechnology, robotics and other powerful new technologies says Riane Eisler. She sees the need to evolve from capitalism, and socialism to *partnerism*, “an economic system that supports optimal human development” (Eisler, 2007: 148).

Our economic social systems must evolve toward ethical, conscious evolution if we are to survive and utilize our capacities as an emerging universal humanity.

***We cannot fully know the best and most life-evolving means to the next stage of human evolution. The optimum future will occur as we concurrently direct our attention toward handling our emergencies, deepen and act upon our understanding nature, expand our personal and spiritual evolution, foster and connect our emerging breakthroughs, and at the same test out our quantum capacities with the purpose of becoming a universal, co-evolutionary, cocreative species. It is this long-range evolutionary purpose that is usually missing from the evolutionary dialogue.***

The fact is, no one alive now on Earth has experienced this degree of technological power, with the awareness that we can destroy our life support systems. There may be other life in the universe that has gone ahead of us and learned how to self-evolve, but they are not here now to instruct us. We have not yet had a *shared* experience of other life. The path open to us is to experiment, like nature does, to learn from mistakes, to self-correct, and to self evolve, using as our guiding vision the potential of becoming a universal species. The values we aim to manifest are inherent in the lessons of evolution. Teilhard de

Chardin describes the Law of Complexity/Consciousness: As systems become more complex they jump in consciousness and freedom. This provides us with criteria to test out our radical new powers.

For our new capacities do not make sense for a creature-human remaining in a biosphere, aiming at sustainability of our current condition. Our quantum capacities are absolutely vital for our developmental path as a universal humanity, and for our evolution in the “cosmosphere.” To cut them out prematurely could be compared to cutting off the capacities of a fetus to grow because it would destroy itself in the womb. But to empower these technologies without ethical evolutionary guidance and a vision of the next stage of our emergence as a universal species, could also be disastrous. Conscious evolution requires a rapid jump in ethical wisdom (Chaisson, 1989).

### **A SAMPLING OF QUANTUM CAPACITIES now in the early phases of development.**

**“G”:** Genetics Redesigning DNA; affecting our own genetic code, entering the process of self-evolution physically.

Gregory Stock (2002: 3, 173, 198) writes:

*The arrival of safe, reliable germline technology (the manipulation of the genetics of egg or sperm -- our germinal cells)- will signal the beginning of human self-design. It will transform the evolutionary process by drawing reproduction into a highly selective social process that is far more rapid and effective at spreading successful genes than traditional sexual competition and mate selection. We have created artificial intelligence from the inert sand at our feet through the silicon revolution, we are moving out into space from the thin planetary patina that hitherto has held all life, and we are reworking the surface of our planet and shaping it to suit us. These developments will transform the world we inhabit. Amid all this, could we really imagine that we ourselves would somehow remain unchanged? From a spiritual perspective, the project of Humanity's self-evolution is the ultimate embodiment of our science and ourselves as a cosmic instrument in our ongoing emergence.*

James Gardner (2007: 85-86) says we are entering a “Virtual Cambrian.”

*Approximately half a billion years ago, life crossed a portentous threshold. Over a period of a few million years – a fleeting instant in geological terms – a wild profusion of animal body parts appeared. This sudden arrival on the evolutionary stage of prototypes of all currently living multi-cellular animals is known as the Cambrian Explosion....*

*In the late 20<sup>th</sup> century, the forces of cultural evolution crossed a crucial threshold: They acquired the technological capability to intervene directly in the redesign of the human genome (as well as the redesign of the genomes of other living creatures). This new technology is called*



*germline genetic engineering. As a result, life on planet Earth has once again passed an evolutionary watershed, equal in eventual magnitude to the Cambrian Explosion half a billion years ago.*

*I call this new threshold – this new evolutionary watershed –the Virtual Cambrian. The dawn of the Virtual Cambrian means that many momentous changes await us on the other side of this historical event horizon, including 1) a vast acceleration in the pace of future biological evolution...lightening fast cultural drivers such as changing trends in body-style fashions and preferences on the part of parents regarding optimal mental, social, and athletic proclivities of their offspring; 2) a rapidly spreading wave of empowerment on the part of prospective parents; and 3) a runaway explosion in gene/culture co-evolution. ...Faustian trepidations notwithstanding, the gene/culture co-evolutionary process enabled by germline genetic engineering will be irresistibly powerful and unnervingly fast.*

*The only real question is whether the creatures (biological and artificial) that will emerge from the Virtual Cambrian will bear any recognizable kinship – any hint of spiritual or biological consanguinity – to human beings.*

There is another, and possibly complementary meme as mentioned above that comes from those who see that we can affect our own genes through perception and belief.

### **Perception and Belief**

In a speech at the Prophet's Conference in Monterey, CA in April, 2002 Gregg Braden, author, NASA scientist and researcher into ancient texts and modern science, described a recent experiment that demonstrated that *deep appreciation changes the shape of DNA. And that human DNA affects matter.*" He said that we are *"bathed in a field of intelligence which links us to all creation, and responds to powerful emotions.*

Bruce Lipton, scientist, co-author of the forthcoming *Spontaneous Evolution*:

*states that the field is the sole governing agency of the particle...the material universe is shaped by the invisible field, the matrix. Genes are blueprints, not destiny. They are triggered on and off by environment and perception. He writes, "A new revolutionary field in biology called epigenetics...control above genetics, reveals that genes are not destiny. Environmental influences, including nutrition, stress and emotions, can modify those genes, without changing their basic blueprint...and these modifications can be passed on to future generations as surely as DNA blueprints are passed on via the double helix" (Lipton, 2005: 67).*

Dawson Church (2007: 25, 70) writes:

*Scientists are discovering the precise pathways by which changes in human consciousness produce changes in human bodies...Each thought or feeling unleashes a particular cascade of biochemicals in our organs. Each experience triggers genetic changes in our cells. What you are thinking, feeling, and believing is changing the genetic expression and chemical composition of your body on a moment-by-moment basis.*

### **Life Extension: A vital element of human self design and enhancement**

Ray Kurzweil (2005b) writes:

*Terry Grossman and I have described what we call the “three bridges” to radical life extension. Bridge one has to do with taking full advantage of today’s knowledge of biology in order to dramatically slow down aging and disease processes. This will enable us to stay in as good a shape as possible for when bridge two technologies become available. Bridge two is the biotechnology revolution, which will give us the tools to preprogram our biology and the biochemical information processes underlying our biology... that will take us to the third bridge, the nanotechnology revolution, where we can rebuild our bodies and brains at the molecular level. This will enable us to fix the remaining problems that are difficult to address within the confines of biology and ultimately allow us to go beyond the limitations of biology altogether...most importantly this intimate merger of our biological intelligence with non-biological intelligence as a whole. I mean, once it gets a foothold in our brains, our thinking will really be a hybrid of the two, and ultimately, the non-biological portion will be much more powerful, and may give us access to new forms of intelligence that are very different than anything we’ve experienced.*

### **“R”: Expanded Intelligence**

With our computing capacities we are developing an intelligence which in many respects transcends our human intelligence. Whether we are creating silicon-based “life,” extensions of human intelligence, or something totally beyond our imagination, no one really knows. One of the most controversial exponents of computer-based intelligence is Ray Kurzweil.

*The most powerful impending revolution is the robotic revolution. By robotic, I am not referring exclusively – or even primarily – to humanoid looking droids that take up physical space, but rather to artificial intelligence in all its variation (Gardner, 2007: 77).*

By the end of this century, computational or mechanical intelligence will be trillions of times more powerful than unaided human brainpower (in certain aspects or skills.)

*Evolution has been seen as a billion year drama that led inexorably to its grandest creation: human intelligence. The emergence in the early twenty first century of a new form of intelligence on Earth that can compete with, and ultimately significantly exceed, human intelligence will be a development of greater import than any of the events that have shaped man history. It will be no less important than the creation of the intelligence that created it, and will have profound implications for all aspects of human endeavor, including the nature of work, human learning, government, warfare, the arts, and our concept of ourselves (Kurzweil, 1999: 137, 140; see also [www.kurzweilAI.net](http://www.kurzweilAI.net)).*

### **“N”: Rebuilding the World**

*Nanotechnology is technology built on the atomic level: building machines one atom at a time. "Nano" refers to a billionth of a meter, which is the width of five carbon atoms. Little machines in our cells called ribosomes build organisms such as humans one molecule, that is one amino acid, at a time, following digital templates coded in another molecule called DNA. Life on Earth has mastered the ultimate goal of nanotechnology, which is self replication (Kurzweil, 1999: 137).*

*Self-replicating machines built at the atomic level could truly transform the world we live in. They could build extremely inexpensive solar cells, Nanobots in our blood streams could supplement our natural immune system and seek out and destroy pathogens, cancer cells, arterial plaque, and other disease agents (Kurzweil, 1999: 137, 140).*

Nanotechnology promises the tools to rebuild the physical world – our bodies and brains included – molecular fragment by molecular fragment, potentially atom by atom. As the National Science Foundation Nanotechnology Report says: *“Nanotechnology has the potential to enhance human performance, to bring sustainable development for materials, water, energy, and food, to protect against unknown bacteria and viruses, and even to dissolve the reasons for breaking the peace (by creating universal abundance)”* (Kurzweil, 2005: 226).

### **Expanded Environment in Outer Space**

In the very same time frame during the 50’s, 60’s, and 70’s we learned about the limits to growth on Earth, we discovered we had an environment, the women woke up to their identity, our consciousness expanded through music and substances, the peace movement, the civil rights movement, the futurist movement, the environmental movement arose, we deciphered the language of our own DNA, made contraception available, while we developed television, computers and artificial intelligence, and landed on the moon -- a new world in outer space. We are witnessing here an organic unfoldment of evolutionary capacities of a young universal species.

We can learn to develop our solar system environment in outer space, where we have access to non-terrestrial resources, solar energy, and space. We can build habitats in space, and become extraterrestrial ourselves, an Earth/space species. There are no resource shortages, no space shortages, and no shortages at all for a universal species. As once life emerged from the seas and built the biosphere and the noosphere, so we may emerge from the womb of Earth and build the human sphere in our larger home, the universe. If we do not misuse space with Star Wars, we can build Star Worlds. It is predicted by the 3<sup>rd</sup> Millennium we will be a solar system species. By the 4th millennium we will become a galactic species. Long before the sun expands and destroys all the planets in our solar system billions of years hence, we will be universal cocreators.

Frank White writes in *The Overview Effect*

*The thesis of this book is that we are not simply reaching into space to use extraterrestrial resources and create opportunities here on Earth. Rather, we are laying the foundations for a series of new civilizations that are the next logical steps in the evolution of human society...However, I will argue that human exploration of space may serve an even higher purpose than our own evolution as a species, performing a vital function for the universe as a whole.*

As Ken Cox (2001) puts it in View Point on Space, we can now:

- . Transform the space program into an Earth/space movement*
- . Expand the diversity of human experience into space*
- . Develop commercial markets from space resources and services*
- . Learn from the barren engagement experience from spaces holistic and ecological perspectives*

The most radical ideas about our entrance into outer space comes from those like Nassim Harramein who says that we will eventually not be able to settle the solar system with rockets as currently designed. The number of space launches it would take would ruin the environment, the fuel is already running out and global warming is rapidly causing the rise of the seas and the possible inundation of coastal cities, threatening our whole economic system. He assumes that we will be able to develop anti-gravity technologies that will make access to the solar system and beyond far easier and less destructive to the environment.

### **Radical Abundance: Untapped "Zero Point Energy"**

Physicists Bernard Haisch, (Lockheed, Palo Alto, CA); Alfonso Rueda , (CSU, Long Beach, CA); and Harold Puthoff (Advanced Studies, Austin, TX) write that *the concept of mass may be neither fundamental nor necessary in physics. The physical universe is made up of massless electric charges immersed in a vast, energetic all-pervasive electromagnetic field.*

The nature of this field is called zero point energy. [It is also called the quantum vacuum or the quantum plenum, as noted above.] The conversion of zero-point energy would access a source of unlimited "fuel" that would be available anywhere in space. If we can access zero point energy, the energy in the so-called vacuum of space, our entire economic structure would be transcended. Unlimited sources of energy will be available.

Mark Comings writes:

*The fact is that by many estimates there abides in one cubic centimeter of empty space an amount of energy greater than the total amount of energy contained or expressed in all the matter of the known universe. This energy is called zero point energy because it was discovered that even at or around absolute zero, which is by definition, the temperature where all thermal motion is supposed to cease there was still this irreducible motion, which was clearly non-thermal in nature. We are immersed in a field of infinite energy density in the guise of what appears to be empty space...Space is highly potentiated energetic medium shining with vast luminous force and shimmering with intrinsic sentience...solid footing to a fundamentally abundance-based worldview, which is a much-needed antidote to the scourge of nihilistic materialism (unpublished).*

This means that we are standing at the threshold of radical abundance. Our economic//social system is based on scarcity. When and if we can actually tap into and use zero point energy, we will be at the beginning of life ever evolving.

### **Cosmic Contact**

Will shared cosmic contact be made as we expand our consciousness, our life span, our environment, and our intelligence? Is this a natural sequencing in the life cycle of a universal humanity? Remember the universe, the billions of galaxies, the multitudes of solar systems, some that may have life comparable to our own. In this epoch of our "birth" into the universe, the eyes and ears of young universal humanity are just beginning to open beyond the blue cocoon of Earth in which we have been gestating. The search for extraterrestrial intelligence is on! UFO research intensifies. Crop circles mystify us and seem to many to be messages from advanced beings at another dimension of capacity. Millions report sightings, and yearn for contact. The starlight of curiosity awakens, fueled by the anxiety of aloneness in the cosmos. Telepathy is also studied as another option for connection in a universe where light travels too slowly for lively dialogue.

Mainstream science is being expanded to apply rigorous scientific method to anomalies, as by the Society for Scientific Exploration (SSE), *a multi-disciplinary professional organization of scientists and other scholars committed to the rigorous study of unusual and unexplained phenomena that cross traditional scientific boundaries and may be ignored or inadequately studied within mainstream science* (see [www.scientificexploration.org](http://www.scientificexploration.org)).

It seems likely that as we grow up and become extraterrestrial we will discover shared experiences of "other life," other dimensions of reality. It may be that there is, as Eric Chaisson points out in *Life Era*, "*a principle of cosmic selection*" (Chaisson, 1989). No planetary species can get too far beyond its mother planet unless it learns ethical evolution. We can see from our own situation that if we do not learn to care for ourselves as a whole, we will probably misuse our powers, destroy our life support systems and our chances for universal life. We are undergoing, as Buckminster Fuller put it, a viability test on human civilization now. Steven Macon Greer is an American physician best known as a claimed contactee. An emergency and trauma physician, Greer is a former chairman of the Department of Emergency Medicine at Caldwell Memorial Hospital in Lenoir, North Carolina, and a lifetime member of the Alpha Omega Alpha Honor Medical Society. Greer is known for introducing the close encounter of the fifth kind to describe ongoing contact with extraterrestrials and for founding the Disclosure Project, the Space Energy Access Systems, Inc. (SEAS), and the Center for the Study of Extraterrestrial Intelligence (CSETI). He has been supervising a world-wide search for alternative energy sources, specifically those known as zero-point or over-unity devices, with the plan to identify and develop systems which will eliminate the need for fossil fuels. (Greer, Wikipedia).

For insights into UFOs and their possible meaning, check out the work of the late John Mack, Pulitzer Prize winning professor of psychiatry at Harvard Medical School. Known for his research into "alien encounters", his book *Passport to the Cosmos* is an exploration into the meaning of UFO experiences, and a call for us to have the courage to connect with a divinity that is within each of us. Written by John, who was a Harvard professor of psychiatry, this text is not a sensational 'Aliens Sex Probe' shocker - it is an intellectual debate into alien abduction. Challenging stereotypes, it looks at how these experiences affect the abductees and their common experiences of contact with the Divine.

### **Cosmometry: An emerging new field**

The purpose of the Cosmometry Project ([www.Planetworks.net](http://www.Planetworks.net)) is to bring coherence to and widespread understanding about the field of research that seeks to identify the unified wholeness inherent in all aspects of reality, to define the fundamental components that comprise it, and to explore and promote applications of this knowledge in society.

Although **Cosmometry** as a specific field of study exists at present in name only, the field has been explored to date under many names including Sacred Geometry, Universal Geometry, and Cosmic Geometry. The word **cosmometry** is found in the 1913 Webster's Revised Unabridged Dictionary and is

defined as “The art of measuring the world or the universe.”

In the context of this project, the word **cosmometry** is the name of a field of inquiry concerned with modeling and mapping the physical and metaphysical cosmos in all dimensions. The underlying premise is that there exists a unified set of essential characteristics common to all manifestation in the cosmos—micro and macro, physical and metaphysical—and that these characteristics can be (and are increasingly being) discerned, defined and applied into the systems of thinking and creating that humanity is now employing.

The **Cosmometry** Project will coalesce the findings of many researchers across a wide range of areas of study and application into a unified and coherent knowledgebase and into an organizing framework. The primary focus will be on the findings that are common to all areas of research, with those that are unique to each specific researcher highlighted as their work is explored and presented in greater depth.

The project is directed by Marshall Lefferts, based in South Kona, Hawaii.

## SUMMARY

**From the point of view of this Evolutionary Synthesis the meaning of our new powers is that we are becoming a self-evolving, universal species. Our advanced technologies along with our deepening compassion and expanded consciousness offer us the possibility of an ever-evolving future. We are coded with the Process of Creation internalized as our own desire to create and prosper. We have the real possibility of gaining the co-intelligence to guide us through this crisis of our birth to the next stage of our evolution.**

It is my own intuition that we will experiment with our advancing technologies, just as nature as always done. Some of our experiments will work; others will disappear. We will have the wisdom to prevent the deadly misuse of lethal weapons and technologies. As we expand our own consciousness beyond the limits of self-centered Homo sapiens, by spiritual, psychological and technological means we will discover an aesthetic, harmonious manifestation of the next stage of our physical and cultural systems. We will discover that it is natural for us to transcend this phase of ourselves as creature-humans, as we become cocreative with the Processes of Creation. We will carry out our coded roles as emissaries of intelligent life in the universe. One of the lessons of evolution is that everything that survives is beautiful, every snake, every worm, every bird, every fish, every human is beautifully designed. In our early phases we are awkward, like the eohippus, or the dinosaur-like birds, or Neanderthal. But as these physical forms evolve they become more harmonious, and so will we.

## MICROCOSM

### The Evolution of the Person: The Path of the Cocreator

***Basic meme: We are giving birth to a universal human, a cocreator of new worlds on this Earth and in the universe beyond.***

What happens to us humans now, born into a rapidly maturing noosphere with powers we used to attribute to gods, in a universe that is itself designed to foster ever more intelligent life? What is the next step after Homo habilis, Homo erectus, Homo Neanderthal, and Homo sapiens?

In the context of what we have just seen as the evolution of the universe and of humanity upon this Earth, we are now exploring the process of Conscious Evolution of ourselves as individuals. We are going to see ourselves as beings that can assimilate the extraordinary universal intelligence of which the physical world is a manifestation. We imagine ourselves able to use the creative technological extensions that we are inventing, until we actually become universal humans, at the next turn of the spiral. Universal human means we are transcending yet including current humanity as we have already transcended and included our early human, mammalian and reptilian past. Post-humans or universal humans would be a new form of life, as once single cells were new, or animals were new, or we humans were new. It would be a form of life that integrates our highest spiritual, social and scientific/ technological abilities.

**Very few of us have yet imagined the synthesis of the emergence of ourselves, *personally*. Imagine that we are living in a more synergistic, cocreative society, applying our quantum capacities in our own lives as we move toward extended intelligence, extended life span, extended creativity, development of space, tapping into zero point energy. We are evolving beyond self-conscious Homo sapiens, beyond planet-boundedness and current forms of biological life, as we shall explore below.**

This set of options is radically new.

We do not yet have a coherent set of memes to guide us. This radical transformation has been foreseen in the metaphysical realm. Now we are realizing its possibilities in the evolutionary realm. Mystic pre-scientific visions of life after death – the New Jerusalem, Paradise, etc., originated during the “pre-planetary birth,” pre-scientific period, and carried the human species forward with the expectation of life ever-lasting. These visions are now becoming evolutionary possibilities available to us post-planetary birth, promising life-ever-evolving.

We are preparing for the coming “Singularity” defined here not just as an increase in intelligence, but a combination of all our new capacities – spiritual, social and scientific/technological, harmoniously coordinated as a new whole system. This is what we are calling our birth as universal humans within the larger cosmos.

**The Evolutionary Synthesis lays out four elements in the Evolution of the Person. Each is a complex aspect of a new memetic code.**

- One: Evolutionary Spirituality**
- Two: Evolutionary Consciousness**
- Three: Evolutionary Creativity**
- Four: Evolutionary Trans-humanism**

## EVOLUTIONARY SPIRITUALITY

**The Impulse of Evolution made conscious in us as our own motivation to evolve and grow.**

Two great evolutionary pioneers have laid the foundation for evolutionary spirituality.

Fr. Pierre Teilhard de Chardin for the West and Sri Aurobindo for the East have given us templates or elements of a new memetic code for conscious self evolution.

Teilhard was a Catholic, Jesuit paleontologist, author of the famous work *The Human Phenomenon*, (never allowed to be published in his lifetime by the Church.) He saw God in evolution animating matter, life, and human life. He evolutionized Christianity. As mentioned above, he laid forth the Law of Complexity Consciousness. As systems become more complex, they rise in consciousness and freedom through more synergistic order. From atom, to molecule, to cell, to humans, to universal humanity, he saw that the noosphere is integrating into a new whole and that our new technologies are connecting us as a living body. Within this thinking layer of Earth he foresaw that the *noosphere would get its collective eyes*, as mentioned above. We would catch a glimpse of the awesome planetary superorganism that has been created by all of Earth life.

Within this emerging whole body, we would see ourselves as members of this one body, and be able to connect with one another, center with center, heart with heart, awakening inner contact with Spirit, with God, with Christ until we become *Ultra Humans*. As a Christian, he called this *the Christification of the Earth*. He understood that as we integrate into a whole planetary system, we will not lose individuality in a totalitarian mass, but will experience the rise of cosmic personhood in the model of Christ.

Sri Aurobindo was a great Indian sage, educated in England, one of the early liberators of India comparable to Gandhi. During his political struggle he had a profound mystical experience in prison, of the Silence, of the Divine. He became the greatest explorer of evolutionary consciousness and practice that the world has ever known, spending 27 years in silence, while his partner, the Mother, founded Auroville and integral yoga. He evolutionized Hinduism and Buddhism. He wrote *The Life Divine* in which he mapped the evolution of matter, life, human life and the next stage of life as the expression of a *supramental* Consciousness Force. He traced the next stages of our evolution from our current mental separated egoic condition to the supramental human until a generation of *gnostic* beings evolves the whole human race. This is what we have been calling the universal human.

According to Aurobindo (1972):

*Man is a transitional species. This descent of the Supreme Reality is in its nature self-concealing. And in the descent there are successive levels. Evolution takes the form of an ascent; out of life it struggles upward into Mind in which the unit becomes awake to itself and its world. And in that awakening, the universe gains the leverage it requires for its supreme work. It gains self-conscious individuality. From this perspective, the entire Divine Intent focuses itself, at least on this planet, in individuals who are capable of experiencing the Divine intelligence that is creating it.*

Aurobindo describes two aspects of Consciousness:

*Pure Awareness* which is changeless, eternal, comparable to the Source, the Mind of God.

*Consciousness Force* which is dynamic, purposeful, directional, progressive will, manifesting in evolution as energy, matter, life and now human life.

Consciousness Force may correspond to the Cosmic Code underlying physics, the structure of the vacuum at the causative level, manifesting as the material world. It is the subtext code which physics reflects. According to the Evolutionary Synthesis, this memetic code reveals our capacity, or the “purpose” of evolution to create ever-more intelligent life capable eventually of reproducing universes ad infinitum. This Code ultimately springs from Supreme Reality beyond the human mind, and may also be the expression of advanced universal intelligence, as James Gardner assumes in his book *Biocosm*.

This Consciousness Force identified by Aurobindo is supramental, intelligent beyond the mental mind. It is the unified field of intelligence out of which matter, life, and human life has emerged.

As we evolve from mental mind, through various stages of higher mind, intuitive mind, over mind, mapped by Aurobindo, we will reach supramental intelligence. This is the direction of our evolution now.

We are becoming conscious of the Consciousness or Intelligence, or cosmic code, or mind of God that is creating us.

As reported in *The 2007 Shift Report: Evidence of a World Transforming* (2007: 23):

*The emerging worldview also addresses the fundamental mystery, “the hard question,” of consciousness: How can conscious awareness arise from matter? This new story of our reality, which draws from both ancient cosmologies and some of the findings of contemporary science, suggests that consciousness is primary: It does not arise from anything, and it determines the forms that matter and energy take. From a scientific perspective this is a radical notion, but evidence is starting to amass that challenges the long-standing scientific belief that consciousness is nothing more than an epiphenomenon of the brain.*

Quantum physics discovers the reality of “quantum entanglement.” Particles can influence one another instantaneously despite being separated by vast distances. *Actions can occur in a nonlocal way not because information can travel faster than the speed of light but because we live in an interconnected universe wherein the concept of duality breaks down* (The 2007 Shift Report: 37).



It feels to many that this quantum reality, this fundamental consciousness *does* have direction and intention. It is felt subjectively as our own yearning to evolve and transform. It is also experienced as our sense of opening of the heart to the whole of life, overcoming the illusion of separation.

We are bringing “God” home as our own developmental potential.

The doors of religions of the past are opening as millions of people find that Spirit, Consciousness, the Core of the Spiral, the implicate order unfolded in evolution, or God, is becoming aware of itself within us.

The impulse of evolution is becoming self aware as our own desire to transcend, evolve and cocreate.

This is a natural spirituality for the first Age of Conscious Evolution.

**The “soul” of evolution is experienced as our own inner contact with the Consciousness Force as an expression of dynamic purpose toward higher conscious, freedom and harmonious order.**

The subtext for More Conscious Life is rising in us as our own passion to create and to evolve.

The supramental or universal intelligence is becoming aware in us as our own appreciation of and participation with the awesome intelligence manifesting all life.

The Cosmic Code is experienced as our own individual evolutionary codes activating our dormant potential, rising in us as our own growing passion to create, to love one another, to care for each other and all life.

Out of Evolutionary Spirituality a new evolutionary view of God emerges:

Michael Dowd (2007) calls it “**Creathism**,” where nature is divinity, a revelation or expression of emergent creativity. (It can be pronounced with emphasis on the *Creathism*, or *Creathism*, thereby including those who experience a transcendent reality as well as atheists.)

Dowd foresees that the world’s religions will celebrate evolution and ecology, or fade away. Religion will embrace science as a public revelation of cosmic history as scripture.

## EVOLUTIONARY CONSCIOUSNESS

### A three-fold expansion of consciousness

*Inward* to connect with the One – a nondual consciousness, at one with Source; Eternal; Changeless: I am THAT. This is the ancient, traditional spiritual experience of oneness with God or Brahman or Spirit. It is the basis of most great religions. It is the ultimate experience of the perennial philosophy. It usually is experienced as liberation, or release from self, even from the Wheel of Life. It is Nirvana, the extinction of self. It is the bliss of Satchitananda. The feeling of being one with the radiant luminosity and infinite coherence of the quantum plenum, as physicist Mark Comings calls it. At the core of our being is the One. We are one with that. In this experience the self disappears. There is no separate self. The egoic self is released.

However, now, something new has been added;

*Backward*: While going inward to reside in the One, released from the separated self, illuminated by the field out of which we are arising, we reach backward to connect with cosmogenesis. The whole story of creation is encoded in our blood and bones as a present reality. The discovery of cosmogenesis, our 14 billion year history is only about 40 years old. We did not know we lived in an evolving universe until we discovered the background radiation from the earliest Big Bang in the 1960’s, and began to piece together our own cosmic ‘birth narrative.’ This New Story is just now entering our awareness. It has not yet fully penetrated into our religions, our philosophies, or institutions. Yet it will change everything. As once Copernicus’s revelation that the Earth revolves around the sun changed the medieval world view, so the New Story changes the modern worldview.

In evolutionary consciousness we experience this “story” as our own extended birth narrative. We see the whole story as the developmental path of an ever more conscious universe. We see ourselves at the precise

moment of transformation within this story, when the human species becomes aware of evolution and of our co-responsibility for it.

In Evolutionary Consciousness, we do not release this aspect of self into the One. We incarnate the Soul of Evolution within ourselves. The Core of the Spiral, the Consciousness Force animates us in the present and illuminates our unique purpose as participants in the story.

We are THAT *THAT-ING*.

*Forward:* Concurrently we reach *forward* as participants in the creation, called by the creativity within to express that creativity for the good of the self and the whole. We are the story now unfolding through us. The relentless creativity of the fourteen billion years of evolution resides in us, as we are yearning to evolve.

Inward, backward and forward our emerging evolutionary spirituality and evolutionary consciousness is fostering the rise of the Creative Self, or Evolutionary Creativity.

## EVOLUTIONARY CREATIVITY

A new Self begins to arise in this context. It is not the egoic self. It does not have an agreed upon name. We could call it the Creative Self, or the Essential Self or the Authentic Self as described below.

We are integral participants in the story. We are called, each in unique ways, to participate in the process of creation. Our vocation, or life purpose, or 'soul's code' is our unique aspect of the blueprint of the cosmic code. It is the creativity of evolution localized in each of us. Our purpose is not merely a personal vocation or profession. It is our part of the larger design of creation for more life, more consciousness, more freedom, and more intelligence. When we attune to our deep callings, they seem to be integral elements of the cosmic code, residing as each person's desire to create.

We cannot simply become no self with a generalized universal awareness. We are called to unique vocations and creative expression within the emerging social body. Far from losing our individuality, we are finally coming into the next stage of individuality.

*The Outer Reaches of the Big Bang...*

*When you awaken to what I call the Authentic Self, which is the spiritual or evolutionary impulse, what begins to emerge is the recognition of the fact that each one of us, at our highest level is that Authentic Self, which is actually the same energy and intelligence that originally inspired the entire creative process. You begin to intuit and feel directly connected to the very impulse that initiated the whole event fourteen billion years ago and are driving it right now. You actually start to feel it working in you, surging through your own mind and body as the mysterious compulsion to evolve at the level of consciousness. When you feel that surge, what you're experiencing is the highest and most subtle and most profound expression of that initial explosion – the outer reaches of the Big Bang...What I'm speaking about here is the development of the interior dimension of the cosmos....So when the evolving human experiences this mysterious*

*spiritual compulsion, that is the interior of the cosmos itself trying to develop through you...The cosmos is not just “out there,” it’s “in here,” and there ultimately isn’t any difference between the two. So when you experience the spiritual impulse of the authentic self, you’re experiencing the Big Bang as a surging compulsion for interior development and growth. The innermost regions of the cosmos are aspiring to actually evolve and be developed in and through you. The authentic self is the Big Bang, which is that initial burst from nothing of everything that you participated in, fourteen billion years ago. And you are still participating in it, right now, to the degree that you awaken to the Authentic Self (Cohen, 2006).*

**Out of evolutionary spirituality, consciousness and creativity there is a new path emerging. It is the Path of the Cocreator.**

There are many tributaries and teachings helping us evolve toward this new human in the great wisdom teachings of the past, and in newer contributions such as Humanistic Psychology, Sacred Psychology, Transpersonal Psychology, Jungian thought, New Thought Religions such as Religious Science and Unity, evolutionary enlightenment, and metaphysical, spiritual, self help, healing, consciousness-raising groups of all kinds. *These are all early stages of our evolution as universal humans.*

All of these paths of self evolution have generic elements. Since we have not yet fully mapped the next stage of evolution, and since we have not yet seen a model of the fully universal cocreative human in a post-biological, post-Singularity world, we are without models of who are becoming. Yet we do know the early phases, and they seem to be generic, no matter what particular teaching we are following.

## STAGES IN OUR EMERGENCE AS COCREATORS

### 1. The shift from ego to essence

In evolving humans, the egoic, local personality is no longer willing or desirous of remaining in separation from the source or essence of its own being. The ego yearns for reconnection with the inner aspect of creation, the divine, the transcendent. It can see that current collective egoic patterns of domination and control are leading to the destruction of the environment and of ourselves. One way or another, the ego invites essence to take dominion in the household of selves. This is the path of the incarnation of the Essential, the Authentic, the Creative Self that has been projected outward onto gods now is coming inward as our own being. It is a shift of identity. This is vital, because to carry out action in the world we need our ego to be transparent to essence, to act as executive, to be the servant of the Essential Self carrying out our life purpose effectively in the world

### 2. Educating egoic personality selves to align with our essence

Thus begins the life long task of educating our local selves, our egos, and our superegos to release their grip upon our consciousness. The Essential Self becomes the inner authority. The maturation process toward the cocreator is accelerated.

### 3. Discovering evolutionary life purpose

The Essential Self is creative. It is not satisfied with jobs or professions that do not release the unique genius of the person. Our unique “genius code” turns on. It is scripted internally with our own aspect of the cosmic code. It is inspired by an evolutionary memetic environment, such as offered by the memes in this Synthesis. It draws from many sources of inspiration and attraction until we receive a true life purpose that realizes the vitality, creativity and ageless power of divine intent internalized as our own vocation.

In this process, of course, we are shifting from massive procreation to cocreation. The desire to self-reproduce is becoming the desire to self evolve.

We long to join not our genes to have the child but our genius to give birth to the greater potential of each and to our shared work in the world.

The joy of cocreation begins to equal the joy of procreation, and as we live longer lives it takes primacy in our lives.

#### 4. Learning resonance and cocreation

Cocreation is the process of conscious evolution. As we evolve, our pattern of relationships changes. We move beyond dominance or submission to the yearning for cocreativity, for co-equality, for loving one another as ourselves. It is impossible to do this when we identify with our egos. We are NOT loveable as separate egoic selves. However, when two or more identify with the Essential Self within, they begin spontaneously to resonate with each other, to echo back the inner self. A field of resonance is established. The illusion of separation, which is natural to self-conscious humans, fades as the sense of connectivity grows. Boundaries thin. Inner voices and higher intelligence comes through. We begin to access more of the Cosmic Code.

If we are fortunate we experience the ‘fusion of genius.’ As each person has a genetic code, so we have genius codes, our unique set of creative capacities. When two or more are attracted to one another to cocreate, the genius codes of each turn on. We feel “vocational arousal.” “Suprasex” happens. The sexual urge expands into creativity. We are aroused, excited, attracted, desirous of joining to fulfill our own potential. The work produced by the process of cocreation reflects the inner values that we have expressed in all our ethical and religious systems at their best. That is, the Golden Rule: To love one another as our self. To do until others what we would have done unto ourselves. (Hubbard, 2003, 2006; Anderson and Roske, 2001)

These are stages in the developmental path of what we are calling a universal human or a cocreative human. They are happening to countless people in diverse ways with scores of teachers during this Period of our Birth. This is just the beginning. This is what we are doing *during* the process of our planetary birth. These are the spiritual/personal counterparts of the social/scientific/technological shift now occurring as we handle the hygienic *emergencies*, *deepen our understanding of nature’s intelligence*, *expand our own personal and spiritual evolution*, *connect the emergences*, or innovations now working, while applying our quantum capacities in science and technology wisely.

But these are the early stages of the universal human.

Throughout spiritual history another level of human has already appeared. It is a precursor of what we may become Post Singularity, when we are actually functioning beyond the carbon base, biological frame that we now inhabit.

### EVOLUTIONARY TRANS-HUMANISM

Our Synthesis reveals we are transcending the creature/human condition.

Often in the past extraordinary humans have experienced a qualitatively higher dimension of reality, called by many names; the God Self, the Higher Self, The Christ self, or the Universal Self. Very few of us could achieve these higher realms of being, so we deified or worshipped these people. It was not yet the time for the emergence of the universal human as a new norm.

John White writes:

*Physical and mental changes occur as the person ascends in consciousness through mystical or transcendent experiences. In the last phase of enlightenment, the change is most dramatic.*

*According to esoteric teachings in various sacred traditions and hermetic schools, the human*

*body itself is changed from flesh into light, becoming immortal. Through the transubstantiation or alchemical transmutation of flesh, blood and bone actually become light. The process apparently requires physical, biological death; the transubstantiated body is raised or resurrected from death. Not symbolically as in the Master Mason degree, but literally...Ultimately, the quest for enlightenment leads one to actually becoming light – i.e. attaining the light body and becoming a being of light...The practice of mysticism is understood as a process of becoming, quite literally, more and more godlike. As a contemporary Indian spiritual teacher, Satya Sai Baba put it: “On the spiritual path, first you go toward the light, next you’re in the light, and then you are the light.”*

*In the Judeo-Christian tradition it is called “the resurrection body” and the glorified body.” Isaiah said, “The dead shall live, their bodies shall rise” (Isa. 26:19). St Paul called it “the celestial body” or “spiritual body.” (1 Corinthians 1:40) In Sufism it is called “the most sacred body” and “super celestial body. In Tibetan Buddhism it is called ‘the light body.’ In Vedanta it is called “the superconductive body.” In the philosophy of Aurobindo it is called “the divine body” composed of supramental substance.*

*As I see it, these are different terms for the same condition: the ultimate phase of human evolution. In that phase, a human body...attains a deathless condition through the transubstantiation or alchemical transmutation of his or her ordinary fleshly body.*

*However this state is achieved, the perfected individual is then capable of operating within ordinary space-time through that altered vehicle of consciousness which is immortal. That vehicle is no longer carbon-based, as is biological flesh. Rather it is composed of a finer, more ethereal form of energy-substance unknown to conventional physics, but long known to metaphysics and higher mysticism.” (White, 1998).*

**From the perspective of the Evolutionary Trans-humanism we see a possible convergence of our expanded consciousness with our technologically-enhanced body/minds to actually accomplish this transformation on the physical plane as the next stage of our evolution.**

While Eastern traditions tend to view history as cyclical, and the goal of human life is liberation from the wheel of life, the Abrahamic religions—Jewish, Christian and Muslim memes see God at work in history toward radical transformation -- a new heaven and a new Earth, paradise, a new Jerusalem.

This yearning for transcendence and perfection fueled the early drive of technologists for God-like power to transcend the animal-human condition until we actually begin to achieve it.

*To the deeply religious mind of modern science, beginning with Boyle and Newton (and also Galileo), the twin concepts of “the divine transcendence of the creator-maker and the transcendence of man as knower reinforced each other.” Henceforth nature was to be understood by the way it was made, which required of the scientist a God-like posture and perspective. But divine knowledge of creation was not all. Some aimed higher, seeking not merely to know creation as it was made but also to make it themselves, actually to participate in creation and henceforth know it first hand. In the sixteenth century, inventors and mechanics had invoked the image of God as craftsman and architect in order, by analogy to lend prestige to their own activities: in their humble art they were imitating God and hence reflecting his glory. The idea of man’s participation in creation presupposed a belief that creation was not yet finished...thus,*

*human actions viewed as the expression of divine purpose through human agency, come to be seen as anticipation of the new creation, in fulfillment of the providential purpose for the universe.... At the end of Francis Bacon's life, in his New Atlantis he predicted that men would one day create a new species and become as gods – "the ultimate goal of modern science," as Lewis Mumford put it (Noble, 1998: 65, 67).*

Technologists have been inspired by the purpose of transcendence from the earliest days.

*For example Tsiolkovsky's interest in spaceflight was inspired by his early association with Russian mystic Nikolai Federov...In Federov's vision mankind's purpose in Creation was the transformation of our mortal universe into an immortal cosmos, which ended in mankind's transubstantiality with God (Noble, 1998: 121).*

We are here bringing forth what Michael Grosso calls "The Millennium Myth."

*At the heart of the Myth is the idea that history – Our Story – is a journey with a goal, a drama with a climax. According to the grand script, the human adventure is heading for a showdown, and humanity is on a collision course with the Eschaton, the end of the world. The Myth has revealed its message in Western, Eastern, and Native traditions...it satisfies a deep need for a vision of transformation (Grosso, 1995:1).*

*What I want to show is that technology, taken as a long-range and total pursuit is being driven to accomplish the complete transformation of nature, 'a new heaven and a new earth'...'Look I am making the whole creation new.' (Revelations 21:1).*

### **Now, it is coming true.**

We indeed are coming to "the end of the world" as we have known it, just as we came to the end of past phases of evolution. The intimation of "last days" is a pre-scientific intuition of the quantum transformation that we are in. It is not possible to keep on growing in the womb of Earth with self-centered consciousness. Many people foresee the struggle, pain and devastation that may be in front of us during this transition.

Instead of rejecting this intuition, or demonizing it, or bemoaning it, or trying to stop it, or blaming it on our greed and mistakes, we can embrace the awareness of the "end of the world" and see it as a pre-evolutionary intimation of what is actually happening. We can see that though it is painful and dangerous, it may be "good," in the sense that the pain of birth is often terrible, yet "good," because we know it is the struggle to give birth to the unknown child. Now we are giving birth to the unknown humanity within ourselves and our world. We can resonate, respond and intend, through conscious evolution our own emergence as universal humans. Can we, when we know the purpose of all our new powers is universal life, actually midwife and welcome ourselves as a universal species, recognizing that it is a difficult birth?

Is this the meaning of the Singularity?

We are facing unprecedented challenges, including some current religious interpretations of this transformation.

Most Western monotheistic religions have doctrines claiming that "chosen" or "worthy" members of the one true religion will be "spared" or "delivered" from the coming judgment and wrath of God. They will be ushered into paradise either before, during, or afterwards depending upon the end-time scenario to which they hold.

In the Christian right the meme of the end times has taken hold of certain people in the leadership of the United States. This is not some past archaic belief we are dealing with! According to this meme we are

expecting and even anticipating the radical destruction of the world as we know it, in order for the second coming of Christ to be prepared. No matter that this will lead to the destruction of non-believers in hell forever, according to this meme, it is the only possible way to prepare for the next stage of life. The believers will be “raptured,” and the non-believers in Christ will go to hell forever!

Why are fundamentalist religions so powerful and growing rapidly? There are many reasons, but perhaps most hidden yet compelling is that such memes affirm the radical intuition of the transformation of life and life everlasting.

Is this meme gaining ascendancy throughout the world, perhaps, in part at least, because it appeals to our “transcendent nerve?” This “nerve” knows at some deep sense that when life hits a limit to one form of growth; it transcends and transforms. It goes beyond current forms. Are we yearning to transcend our current limitations because it is natural, but we do not yet have the evolutionary memetic code that affirms and guides our real potential and indeed necessity to transcend? I believe so. This is the purpose of weaving together our new memetic code for life ever evolving.

The memes of secular materialism and liberal theology do not aim at radical spiritual, social and physical transformation, nor do they usually believe in it. They flatten out. They demythologize the miracles portrayed in religion, (while technologists are busy evolutionizing the very same miracles that they are releasing.)

From the point of view of the Evolutionary Trans-humanism (the fourth element of The Evolution of the Person) there is truth in the fundamentalist faith that something radically new and desirable is coming. It is the next stage of human evolution, beyond self-consciousness, beyond scarcity, beyond planet-boundedness, beyond animal-like death.

The real question is: Will it come through violent destruction and the collapse of civilization...or can it come through conscious evolution and guided use of our vast new powers? Can we have a graceful transition to the next stage of evolution, or must it be violent?

**It is here that the Evolutionary Synthesis can be most vital. It offers us a memetic code that may inspire us to cocreate a “new myth” of radical transcendence and transformation as a natural next step in evolution, consistent with the fourteen billion year tradition and our latest information of the evolutionary potential for Earth life.**

How can we achieve this form of transcendence in a culture of dominance and control?

## **THE RISE OF THE FEMININE COCREATOR**

Up until the present, during the entire period of the patriarchy, including the development of quantum evolutionary capacities, women have been held down, abused, unable to fully assert their true nature.

Western technology has been inspired by the idea of cocreation with the divine. We are created in the image of God and god-like we are to become. But this yearning for radical change grew distorted by the masculine rejection of the feminine. It was out of balance. As Mary Shelley pointed out in *Frankenstein*, we are at the threshold of making monsters out of our capacities to create.

Orthodox commentary asserted that Eve did not share in the original divine likeness.

*“According to the fathers of the church, woman, through her vulnerability to Satan and her temptation of Adam, brought about the Fall and destroyed man’s original perfection. The pursuit of the masculine millennium began with a culturally contrived world without women, a celibate monastic environment which prefigured the promised return of this primordial patriarchal paradise”* (Noble, 1998: 213-214).

Now it is clear that male dominance with the power of gods can lead to the destruction of humanity.

At this very moment we are seeing the accelerated rise of the feminine. Wherever women have the opportunity, we are having fewer children, living longer lives, giving birth within ourselves, for the first time in thousands of years, to the authentic feminine self and its expression in the world. We are becoming

feminine cocreators, Evolutionary women. The rise of women is an evolutionary event of the highest importance, especially when we understand our role in guiding conscious evolution toward life ever-evolving.

Feminine cocreators are women of all ages in whom the impulse of evolution arises to express itself in chosen children, chosen work, in life purpose, for the good of the self and the world.

We find such women especially among the rapidly growing numbers of women in menopause, living from 50, 60, 70, 80, 90 and beyond. This generation of women is rising to leadership, coded with the desire for life purpose, with the innate ability to love the whole family, to experience unconditional love of the unknown child, to understand the idea of life ever-evolving for the children, instead being trapped in a violent, self-destroying world.

There is no social pattern to guide such women in the developed world. We are world-changers, here to set new patterns and new memes.

**Feminine cocreators are not seeking to be equal to men in a dysfunctional world but to be partners with men in the cocreation of an evolving world.**

**Is the rise of the meme of the feminine cocreator a “missing link” in the code of our species’ evolution?**

Many men are supporting the rise of the feminine. They are becoming masculine cocreators, evolutionary men, inspired subjectively to deepen their own contact with their essential selves. In such partnership we are at the beginning of a new coupling of evolving women and men joining together to give birth to the greater potential within themselves and in their joint work in the world.

**Was there an Evolutionary Purpose of the Patriarchy?** Perhaps the evolutionary purpose of the brief phase of the patriarchy and male dominated science, technology and power was to give the human species the capacity to penetrate nature through masculine genius, to understand the atom, the gene, the brain, the invisible technologies of creation, so that we can actually and in real time transcend the creature/human condition, to become cocreators with the process of creation.

We know that eventually the sun will expand and destroy our entire solar system. Four and a half billion years ago Earth was formed. In approximately that number of years Earth will be consumed in fire. Either we learn to become universal species in time, or the entire Earth life will be destroyed.

With “evolutionary eyes” we can see that Earth is in its “mid-life crisis.” Mother Earth is, in real terms, giving birth to a species capable of restoring our Earth, freeing ourselves from poverty, war and disease, learning social synergy, while we are beginning to reproduce Earth life in the solar system and beyond. Our technologies are actual vital aspects of the evolution of Earth life. They are reproductive organs of Earth life at the next stage in the developmental path of a universal species.

It is possible that just at this moment when male dominated technologies can destroy or evolve the world, the feminine cocreator is arising to help guide these powers, not toward the impossible return of some past age, but toward the transformation of humanity into a species cocreative with the process of creation.

The balance of the feminine with the masculine is vital for the evolutionary synthesis to be fulfilled. And that is just what is beginning to happen now.

## **LIFE AFTER DEATH**

In Evolutionary Trans-humanism, “Life after Death” may become the Life after the Next Stage of Life.

In history we have foreseen life after death in a variety of ways including:

**Reincarnation:** The rebirth of a soul in a new body until we finally are released from karma and the Wheel of Life.

**Bodhisattva:** In Mahayana Buddhism, a person who is near to attaining nirvana but delays doing so because of compassion for human suffering; in Theravada Buddhism, the future Buddha.



**Nirvana:** The release from the effects of karma and the cycle of death and rebirth that comes when an enlightened person dies. In Hinduism and Jainism, liberation of the soul from the effects of karma and from bodily existence. In Freudian psychoanalysis, the attraction toward a state of oblivion, identified an expression of an instinctive death wish.

**Vedanta:** Dissolution into the One-without-second, the Big Mind, Satchitananda, the extinction of the individual.

**Heaven:** In traditional Christian theology “The abode of God, the angels, and the beatified spirits, usually regarded as beyond the sky, a state or condition of being or living with God after death; life everlasting. In Islamic theology, each of seven stages of blessed life after death. In Jewish religious thought, each of seven celestial regions. (Short Oxford dictionary.)

**Resurrection:** The belief in the appearance of a new body after death of this body; the foundation of Christian faith in the bodily resurrection of Jesus.

**Near death experience:** *A man is dying and, as he reaches the point of greatest distress, he hears himself pronounced dead by his doctor. He begins to hear an uncomfortable noise, a loud ringing or buzzing, and at the same time feels himself moving very rapidly through a long dark tunnel. After this, he suddenly finds himself outside of his own physical body, but still in the immediate physical environment, and he sees his own body from a distance, as though he is a spectator. ...after a while he notices that he still has a “body,” but one of a very different nature and with very different powers from the physical body he has left behind...(Moody, 1975:11)*

### **Just plain dead**

All of these may be precursors of our new evolutionary potentiality as universal, galactic beings, post Singularity, post soul phenomenon, post our birth as a universal species. A new phase of evolution has begun. It may be that our metaphysical intuitions will become evolutionary options.

***New Meme: We are gaining continuity of consciousness through many bodies as a participant in the process of bringing a universe into conscious intelligent life, a multi-billion year task!***

## **THE AKASHIC FIELD**

In an unpublished paper entitled “Reincarnation and the Akashic Field: A Dialogue with Ervin Laszlo,” Christopher M. Bache writes:

*Laszlo weaves together findings from quantum physics, post-Darwinian biology, cosmology, and consciousness research to propose the existence of a fundamental field he calls the Akashic field. The A-field is the zero-point field of the quantum vacuum, the super-implicate order behind our explicate world. It is a field where non-locality and superconductivity are the norm, the generative matrix of the big bang and the receiver of the possible big crunch. In Laszlo’s hands the A-field is the Metaverse that explains how the universe functions non-locally as one organism across vast distances; it illuminates the statistically improbable first conditions that have impelled the universe on such a fruitful evolutionary journey (because it holds and uses the learning from previous evolutionary cycles); and it provides a theoretical framework that honors reports of contact with dimensions of mind that transcend personal mind (because it is the Mind that embraces all minds.*

(This is a theory or meme that could explain the functioning of the Biocosm and the Cosmic Code)

According to Laszlo, *The A-field can better explain the various forms of reincarnation memories and after death communications than theories that postulate an intermediate structure such as the soul. ...The A-field retains traces of the entire universe's experience and of everyone and everything that has ever lived.* (Laszlo, 1996).

However, there is no genuine survival of individual agency after death, only memory traces of agency.

From his own experience, Chris hypothesizes *“the existence of a field – the soul – that collects and integrates an individual's successive life experiences...it not only remembers our experience, it thinks and plans. It learns and with learning it grows.”*

He intuits from deep non-ordinary experience *that our individual participation in the universe and its creative process is not restricted to these few years this body lives but stretches into the distant future... Through integrating the experiences of countless cycles of rebirth into one coherent structure the universe seemed to be birthing something that would endure beyond previous frames of reference, and something that will eventually become the platform for incarnated capacities that had barely begun to register around the edges of human history as the powers of saints and sages. ...Individuality may be the greatest gift given to us by space-time itself.... The older spiritual paradigm sees and values the undifferentiated one as the summum bonum. It counts self-differentiation as not only temporary but ultimately inferior. It sees the dissolution of structure and return to the oceanic bliss of ones as life's greatest gift. But what if this is an incomplete vision. What if one of the great gifts being given us by the physical universe is actually the gift of individuality itself...this form preserves uniqueness while opening the floodgates of the universal....*

**Individuality, distilled to its essence seems to be the capacity for consciously integrated experience. The goal is integrated transcendence. Even as the self dies, a deeper form of individuality is being born.**

In Chris's experience we will be able to achieve continuity of consciousness through many bodies accumulating in experience.

If we are to be universal cocreators, this is vital and natural. However, Chris does not include in his thesis the advent of evolutionary technologies, which purport to be able to evolve and enhance the body by self-design; and to create non-human intelligence to achieve a similar result of continuity of consciousness through many bodies.

Some people feel that it is either one or the other, either spiritual evolution without dependency on technologies, or the technological extension of life without emphasis on spirit or soul.

The Evolutionary Synthesis combines these two unprecedented capacities. Our spiritual evolution combined with our self, social and technological evolution, connected in the A-Field together provide a radical new option for life ever-evolving by choice.

Combining our supramental consciousness with our superhuman technological intelligence we may choose to become universal cocreators. This is “nature” at the next stage. But it is not forced upon us. It is chosen. It is self-elected.

**In Evolutionary Trans-Humanism the Universal Human appears for the first time on this Earth as a “new norm”: as a person incarnating our spiritual, social and scientific/technological capacities.**

*“We are a hybrid or new form of life at once biological, mechanical, and electronic”* as Joel de Rosnay puts it.

Walter Starke writes:

*Whether we like it or not science is driving us toward a material as well as a spiritual singularity, a time when technology and nature well have become one, and life as we currently know it will no longer exist. This singularity, where things born from nature and those born of man's runaway intelligence merge, is already taking place.*

*If what these scientists predict comes about, we will be our own successors...there is no doubt that we will still be here, living on earth, but we will be super-humans...A spiritual singularity...when we combine spiritual singularity (an all-inclusive concept of divinity) with technological singularity, who knows...we might even become angelic humans! (Starke, 2004: 14-15)*

## PSYCHE MATERIALIS

### A New Meme for the New Human

Alan Lithman (2003: 126-127), a long time student of Aurobindo and The Mother, writes:

*With the emergence, development and maturation of homo holisticus, then, seeing us through mid millennium, the butterfly species waiting in the wings prepares itself for its manifestation from myth to matter; slipping gracefully forth in its own time and timing as that new genus and species – Psyche materialis – of a whole new post egoic order and evolutionary cycle: A post-human, supramental being at once truly individualized yet fully and materially conscious of its indivisible oneness with all; not only centered around its true soul and psychic self but integrally reflecting and radiating that core conscious self at every level of being...A truly new being in a truly new body, no longer subject to the egoic laws of gravity, doubt or death, materializing Love and all our heart's innermost dreams and possibilities into tangible, embraceable terrestrial terms: in a transformed matter where He and She meet and reunite in an all-creative S/He, completing the circuit, merging into something/someone utterly other than the previous sum of its births, birthing that secret child for whom all evolution has been a pretext and play of Self-discovery.*

Let's imagine what it would actually feel like, kinesthetically, to *be* a universal human, post Singularity.

**The Singularity is defined here as the spiritual, social, scientific/technological integration at the next stage of human evolution, leading to our birth as universal humanity capable of conscious evolution - self, social and scientific/technological**

Let's imagine that we, as individuals *are* this new form of life. We have lived through the Singularity. We are activated by the Cosmic Code to create more intelligent life. We are aware of the field out of which we are arising. Indeed we realize we *are* the field itself in human form.

At the social level of the Evolution of Humanity/Society, our new social body, the planetary superorganism is functioning as a whole system. The noosphere has gained its "collective eyes." We are connected through the center of ourselves with the center in all others, center with center. The heart has opened. We have experienced together the planetary awakening, the planetary birth. We have smiled our first "planetary smile." We have seen the light together. There is shared mystical experience emerging as the next stage of consciousness. Through mass resonance our brainwaves synchronize and we experience higher and other dimensions of life. We are no longer in the womb of self-consciousness. We are awake, aware, and *very* young as a universal humanity. Yet we are coded with the process of our own evolution

when we achieve mass resonance and coherence of purpose. The mass resonant field holds. The new consciousness is stabilized within a critical mass. This new morphogenetic field makes it easier for others to experience their essential nature and Creative Self as vital members of the living planetary organism and the integrated noosphere.

We have handled the *emergencies* of our immediate period of birth as a universal species. We are attuned to nature and human nature's intelligence. Our personal and spiritual evolution has stabilized at a more universal form of consciousness. The *emergences*, the social innovations and breakthroughs are now operative as a coordinated whole system. The Wheel of Cocreation is operating. We are continually scanning for, mapping, connecting and communicating what is working, what is evolving. We have new health care, new renewable clean energies, new forms of synergistic self-governance, and a constant networking of the networks of positive change.

We have shifted from massive procreation to cocreation. Children are born consciously, chosen, protected from disease and poverty. They are evolving both spontaneously and with extended human capacities both genetic and robotic.

We have devices that tap into zero point energy. We are experiencing radical abundance. There is no resource shortage at all as we live in an Earth-space environment tapping into infinite energy. We have learned anti-gravity and can lift beyond the planetary body, both off this Earth and in the solar system.

People are flourishing beyond any social systems we have seen in our pre-birth, pre-Singularity period. We are realizing far more of the untapped human potential as deficiency- needs are met, vocations are actualized, and our metaphysical yearning for transcendence is realized both inwardly by oneness with the process of Creation and externally by transcending the limitations of the animal-human condition.

Spiritually, we have overcome the illusion of separation, which is intrinsic to self-conscious humanity. This was the period of our evolution in which we gained individuality. The purpose of this period is to develop individuals capable of freedom and consciously chosen participation in the process social evolution. We have evolutionary consciousness as a new norm and are our own individualized expressions of the process of creation.

*We are the quantum plenum: "The underlying feeling of being itself is an expression of this radiant, transcendental, all pervading plenum of pure being. This field is directly equitable to unconditional love...it has no edges and we are all ultimately that! We are all emanations of this singular unlimited unified field (Comings, unpublished).*

The quantum capacities turn on during the Singularity. Our own intelligence is connected to computer intelligence billions of times faster than our own. We have actually cocreated a new life form, beyond our carbon-based bodies that extend our intelligence and are vital functions of our extended body as we enter the galactic realm, seeking to contact 'other life' and to fulfill our evolutionary purpose of bringing the whole universe to more conscious life.

Concurrently, our DNA is being reprogrammed to regenerate. The clock of death is turned off for those who choose life ever- evolving. Some of us live long-life spans on Earth; others actually settle the solar system and then head out beyond our system into the near-by galaxy. The possibilities of cloning and changing our bodies become practical and vital for those who choose to live beyond the biosphere for which our bodies are so perfectly designed.

Through our spiritual identity with coherent light combined with technological capacities in genetics, robotics and nanotechnology we are actually experiencing ourselves as beings that can resonate throughout the universe, that can materialize and dematerialize. Our "light bodies" are connected to superhuman or universal intelligence, both through computers, and internally by resonance with the Cosmic Code. We have achieved continuity of consciousness. Our experience is accumulating. The Cosmic Code that is designed to bring the whole universe to conscious life individually directs us.

We are meeting 'others' like ourselves who have been born from our planetary wombs.

It is a great cosmic reunion. The ecstasy of satchitananda, spiritual awakenings, mystical peak experiences, contact with other forms of life are a new norm. We have transcended and included the self-conscious phase of human evolution as we have already transcended and included all past phases of our evolution from single cell to fish to reptile to mammal to early human.

Memories of past lives and future lives blend as an omnipresent presence of universal life.

**Old stories and myths of the past are coming true.**

Through merging with our technology, while expanding our consciousness and compassion, in alignment with the universal code to Create More Conscious Life, we are transcending animal-like death, planet-boundedness, scarcity and separation from the Process of Creation.

We are conscious cocreators with the divine, the implicate order, the cosmic code, the mind of God.

The universe is producing life ever-evolving and we are its emissaries born from this planet now entering our global/universal phase, cocreating worlds without end.

This is the Next Beginning.

*The Evolution of the Universe, the Evolution of Evolution, the Evolution of Humanity/Society and the Evolution of the Person converge in a new memetic code -- an Evolutionary Synthesis. It offers us an invitation to participate in life ever-evolving.*

## **THE COMMUNION OF PIONEERING SOULS**

There is spontaneously forming a new communion. It is global. It transcends all fields, faiths and functions. It is arising as a passionate awareness of the Process of Creation and our unique parts in it.

Those who are attracted to make their contribution to this new Evolutionary Synthesis are coded with a vital role to play within it.

When this “cosmic code” turns on within an individual, that person is drawn into the Process of Creation as a cocreator. The next stage of individual potential is unlocked.

*The key right now is consciously joining one another in loving participation in the process of creation. The Joy of Cocreation is as basic as the Joy of Procreation!*

Our joining now in the global communion of pioneering souls in positive global resonance IS the key act. As we join with each other more of our innate creativity (divinity) is activated and comes alive in us as the JOY OF COCREATING with the Process within us and with others doing the same. It is through this vitality and connectivity that the world is evolved.

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