

A Paradox of Possibilities

On The Edge Of Forever

The extremes are stunning...When Earth is viewed as a single organizational structure there are patterns that emerge from the activities of over seven billion humans that are indicative of the multiple outcomes possible in this random experiment of life on a single world...It's nearly certain the next three hundred years will determine the structure and future of life on Earth for the next 1,000 years with predicted populations of 10 to 13 billion humans, a continuing growth in technology and scientific discovery, ongoing political upheaval, unending territorial posturing and mass migration on a violent, primitive world that grows more connected even as it grows more chaotic...In this century there are over 100 satellites circling this planet, multiple spacecrafts exploring our star system and at least one spacecraft orbiting every planet but Neptune and Uranus...Multiple missions to Mars verify the human interest in this world that will be the first to be visited and less than sixty years after the launch of the world's first satellite humans have caught up with a distant comet and landed a complex machine on its surface...Industrious and creative, curious and intelligent, these are incredible achievements with every mission a verification of human progress over the last 100 years and a growing global awareness of the physical laws that define this reality...Each success a verification of the ability of self-aware, sentient intelligence to reprocess the raw materials of a planet into complex tools with extraordinary purpose...

During the same time-frame in an exploding global civilization without constraint, humans have fought multiple wars killing millions of innocent humans, created weapons capable of destroying a planet, enslaved entire populations to steal their resources, polluted the atmosphere in ways that will influence our climate for thousands of years, destroyed the habitat of uncounted species and impacted Earth's oceans in a way that could challenge the survival of every creature on this world...Today there are thousands of females forced into genital mutilation, billions of humans with no toilets or clean water, millions of babies and children who go hungry every day while conflicts escalate in Africa and the Middle-East in a continuous cycle of violence without end, a stunning global ignorance of the framework of reality that supports human existence and the real possibilities of life without ethnic discrimination, gender bias, racial inequality and war...*How can there be these two extremes?*

Humanity is just beginning to understand and address the problems and solutions necessary for a sentient species to manage a planet and survive for millions of years in a single star system and every year more people grow aware of the possibilities of a connected Earth with a global civilization based on science and equality rather than territory, dogma, greed, superstition and fear...But every year the chaos and fragmentation grow more, not less, and a growing indifference to the situational realities of billions of humans is creating a world with sharply divided lines drawn with weapons, walls and money as primitive instincts older than the human species dominate the mindsets of some of the most powerful people on Earth creating a paradigm of inequality and territoriality that threatens the existence of every society, every nation and every species on this planet...*How does this change? How can a species with 7.4 billion individuals reach a consensual understanding of the nature of human reality and do what is necessary to survive?* How do we increase Earth's IQ to create a majority population with intelligence and awareness that understands causality and can change this primitive ignorance that threatens human existence? There is only one way and it will take a long time...An intense focus on initial brain growth during the first three years of life for every baby born on Earth...Adequate nutrition, secure attachment, nurturance, sleep, positive stimulation and play...Essential human interaction during the first 1,000 days of life to create a neural density critical in the development of "reality intelligence", a deep inter-connective network of internal communication within the brain that develops primarily in the first 3 years of life and determines every individual's understanding of their own existence...Neural density critical in the development of a natural morality, an instinctual, intuitive empathy and a connective intelligence that can understand human reality and the nature of human existence for a lifetime...

This is the message that reverberates throughout this book and it would change this world if a majority of humans understood that after tens of thousands of years without the necessary knowledge or technology to understand and control human existence *we are finally here*...In less than one hundred years humans have discovered and understood the physical laws and processes necessary to manage a world, the power of the atom, quantum actions that make technology possible, space travel, multiple alternative energy sources, techniques to map the human brain and a growing medical knowledge that will eventually cure all disease...Finally we've learned to control electromagnetism that will be part of human existence until the end and we've learned how to travel through space developing speed of light networks everywhere on Earth to enable anyone, anywhere to communicate and process information while wiring the entire planet with technology that will grow more and more complex and will be an integral part of human existence for millions of years...A critical time-point in the history of a species, this century is the beginning of a transition to a global civilization inhabiting a star system, an inclusive civilization capable of surviving for millions of years while providing education, health, freedom and equal standing for every human on Earth...A thousand-year process of change...

Or the 21st century could be the beginning of a long decline into an abyss that will take centuries to recover from and challenge the survival of every creature on Earth...It's unknown how the unchecked processes that continue today will challenge human survival over the next 100-300 years...Fossil fuel extraction increases daily despite a collective knowledge of consequence and the climate will change dramatically for a very, very long time while human resources and production capabilities are being stretched by a growing world population with no programs or policies anywhere to address this in a serious way...Any intelligent species would have to control reproduction and in this century humans have many ways to prevent pregnancies in every female on Earth but the problem is not technology or safety, it's widespread ignorance, religious dogma, a lack of reality intelligence and a domination of women by primitive men and cultures to prevent education and choice...Earth can comfortably support maybe five billion humans and there has to be some limit on population until we can terraform Mars or Venus...This is not a moral question...No intelligence wants to destroy life...With consensual awareness and modern medicine humans could voluntarily control their birth rate in multiple ways using data, cooperation and effective techniques *but this will not happen*...In this century Earth's IQ is too low for self-determination and sex is one of the strongest instincts in all the creatures on this world...

It's easy to imagine an intelligent species maintaining a mean population of around 5 or 6 billion (+ or - 100 million) for thousands of years with a planet-wide realization of the need for balance but in this century humans are nowhere close to this and a near future with 13 billion humans competing for resources will be interesting as the impact of a crowded Earth with inequality is becoming increasingly clear...Small-minded governments continue to divide populations into categories and discriminate for advantage while popular uprisings, civil war and widespread terrorism promise violence with unknown consequences...The detonation of just a few nuclear weapons by terrorists or nations will challenge the entire world and the release of contagions and biological agents could have a deleterious global effect on the progress of an entire species...The collapse of the 1st World Civilization is not only possible but very probable given the forces that dominate in this century with short-sighted policies and the growing danger of inaction...An implosion of the Middle-East (happening in this decade), a sea level rise of five to seven feet, an aggressive China determined to rule lands and seas in southeast Asia, an unknown and increasingly dysfunctional North Korea, a growing chaos in Pakistan with nuclear weapons aimed at India, severe drought, unpredictable climate, extreme weather, collapsing food chains, poverty, famine and starvation on an overcrowded world where over 80% of the inhabitants are unaware that humans exist on a large rock with no salvation...We will not find a heaven to save us from ourselves and we won't suddenly find ourselves next to another planet to resupply our resources...

To those of us who understand this reality, maybe one or two billion humans spread around the globe without unity or a single voice, the *murders* (500,000+ a year), *greed* (billions of dollars obtained illegally every year at the expense of the majority of Earth's population), *war* (65 nations and more than 600 militia/guerrilla groups involved in conflicts), *poverty* (3 billion humans existing on less than \$2.50 a day), *gender discrimination* (40% of women suffer physical or sexual violence, 14 million girls are forced into marriage every year and the WHO reports 125 million females alive in 2016 are victims of genital mutilation), *ethnic discrimination* (billions of people on a daily basis affecting income, freedom and health) and *religion* (over 80% of Earth's population are affiliated with some religious organization who insist every event is “God's Will” and the way to “salvation” is to pray and donate more money), reflect behavior and actions so primitive and ignorant that the possibility of a harmonious, intelligent Earth with awareness and equality for every person is almost impossible to imagine...Even the most powerful humans on Earth are unable to understand existence with the president of the United States “praying” to an imaginary God for guidance in a nation that is increasingly religious and increasingly violent with over 300 million guns legal to carry almost anywhere at anytime...

National polls found 40% of Americans believe Earth was created just 6,000 to 10,000 years ago (Gallup 2014), 57% believe religion can solve all of today's 'problems' (Gallup 2014) and 25% did not know the Earth orbits the Sun (National Science Foundation 2014)

And before every formal political session in the United States Congress lawmakers invoke this ancient ritual of 'prayer' in an ongoing attempt to communicate with this deity asking for 'wisdom' and 'guidance' as they consider and enact legislation affecting millions of humans...After this ritual they generally ignore the needs of millions of poor, sick and elderly humans to focus on the corporate powers who donate money to their campaigns and work on the electoral strategy necessary to insure their future employment...The historical record in this century reflecting the actions of these political bodies in creating a world recession with reckless legislation, inadequate regulation and corporate collusion coupled with nonsensical military aggression and war on a scale that has caused the deaths of hundreds of thousands of innocent people casts doubt on the 'wisdom' and 'judgment' of this imaginary creature they believe is guiding them...

This behavior by leaders who control the largest arsenal in the world and huge wealth is both disappointing and more than a little alarming...In this century there are thousands of solutions proposed which could make huge differences and it's amazing how intelligent people with solutions to many of humanity's problems still expect corporations and political players controlled by corruption and the free flow of money to listen and suddenly understand what must be done...It will never happen that way because most of these “leaders” cannot understand what's necessary to change these primitive rituals and competitive instincts that enrich a few at the expense of many...Earth needs new generations of intelligent humans who recognize the nature of our existence to create a majority with the power to change the status-quo and use new technology, emerging science and creative solutions to manage human habitat, reduce emissions from every power plant on Earth, eliminate internal combustion machines for electrical alternatives, stop the endless production of weapons available to almost anyone on Earth and address population control, the necessity to recycle everything, hunger, poverty and disease...With a global majority ignorant of consequence and unsympathetic to the fate of everyone outside of their “tribe”, it's a race against time for this civilization which will almost certainly collapse but hope for the next civilization if there is a focus on babies, inclusion and sustainability on the only world known that supports human existence...

Earth's IQ is a one thousand year project to increase the awareness and intelligence of the human species to a point where a majority of humans are capable of recognizing and managing the Earth as a single cohesive ecosystem...