

PART- I

THE BIG PICTURE

ABSTRACT: *An important function of human knowledge process is the development of wisdom – the ability to use knowledge in a reflective, integrative way to guide how one lives. For this purpose an interdisciplinary BIG PICTURE view is important. Such a big picture perspective is valuable for providing motivation and a contextual framework that gives meaning to life and all features connected with life. But this broad perspective is difficult to achieve, particularly within the highly mechanized, dualist and compartmentalized modern knowledge system that we have today.*

In this age of incessant information explosions, we have a lot of information. Yet, none of it was penetrating our hearts and minds. It is just information without any impact. Most of us can't see the 'forest for the trees'. We are focusing on details too much and can't see the big picture. By getting incessantly focused on the details or intricacies of something we go on missing the big picture or the main point. In our postmodernist phenomenological world where meanings are all-too-imperfect, our attempts to synthesize certain sensory data in reference to arbitrary modes of significance cannot produce any realist creation.

One of the major characteristics of mechanically conditioned individuals is that they are unable to think or act instinctively, let alone reflectively or generally. They are often ignorant of opposing ideas and the different variables that go into collective decisions. Furthermore, they often fail to comprehend how these things tend to trade-off against each other. Much of human world today has become a science-locked

society of hype and illusion. Unable to use their innate instinct, they literally live in a state of collective stupidity.

Clearly we have created a technological juggernaut which is now clearly 'Out of Control'. For millions of years, the time span needed to double our knowledge took hundreds of thousands of years, whereas now it takes approximately three years, and this 'doubling' time is shortening ever more, leading to speculation that there will be a hypothetical point in near future called the Singularity, where knowledge will double in a single moment, leaving mankind utterly unable to even understand what is happening.

However, we live in a universe of natural laws that, despite its monumental size and changeability, is nevertheless orderly and intelligible. The way we approach reality will influence the kind of reality we create. Today our knowledge is limited to our history spanning a few thousand years. But this 5,000 years history is merely a blink in geological time. The attempt in this section is to look at reality and the world in general, in the context of the whole human story spanning millions of years and to prepare the ground for a generalized and integrated vision of human story, in all its manifestations, which I hope we have to get without first getting bogged down in compartmentalized details. Thus the endeavor here is in creating an understanding that makes it possible to have a dialogue not only across civilizations and cultures but also beyond.

How mankind lost its ways of innate evolution as it got inundated in the machine-generated information explosions and the resultant pollutions that led us to virtual devolution is discussed generally in Chapter 1: The World in Big Picture.

"If I had only one hour to save the world, I would spend fifty-five minutes defining the problem, and only five minutes finding the solution", wrote Albert Einstein. Thus the key factor to solution is in properly defining the right problem. Here I am highlighting the main chronology of mankind's fundamental problems which I have taken up for study in this book through Chapter 2: Sweet Poisoning and the Self-Evolving Racketeering.

CHAPTER 1

THE WORLD IN BIG PICTURE

What the hell is going on in the world today? Many of us thus often wonder about this chaotic world that is today brimming with many catastrophic crises. And it seems that even back in for some years now, the situations were no better. Yes, the world is going to hell: the fact is so obvious that it doesn't need repeating. What is not so obvious is why.

Well, we won't be able to understand it so far as we are inside the 'hell', and unless we are able to look at our 'hell' (industrial civilization) from outside. Therefore looking at these problems from outside – like thinking outside the box – is certain to lead us to the required big picture perspective which is the wonderful approach in solving all knotty problems.

My sense is that we are missing a huge part of human story. I think it's possible, indeed probable, that we are a species with amnesia; that we've lost the record of almost 99% of our story going back thousands of years before so-called history began, and I think that if we could go back to that dark epoch, we would discover many astounding things about ourselves.

~ **GRAHAM HANCOCK**

Americans are the best informed people on Earth as to the events of the last twenty-four hours; we are not the best informed as to the events of the last sixty centuries.

~ **WILL DURANT**

Beware the barrenness of a busy life. ... Wisdom begins in wonder. ... There is only one good, knowledge, and one evil, ignorance. ... The unexamined life is not worth living.

~ **SOCRATES** (469 - 399 B.C.)

On November 10, 2010, Indian television channel NDTV came out with a startling news: “The human race will become extinct unless it leaves Earth and colonizes space within the next two centuries”. NDTV reported it quoting Prof. Stephen Hawking, the world’s most famous astrophysicist, who revealed it in an interview with the portal Big Think. “I see great danger for human race. We shall need great care and judgment to negotiate them all successfully. But I am an optimist. If we can avoid disaster for the next two centuries our species should be safe as we spread into other nearby planets”, Hawking added.

To many people this report may suddenly appear to be the single most ridiculous statement ever uttered by a human being. The world expects much more from somebody who is supposed to be a great scientist and a genius. However when such a statement comes from the highest scientific global authority on the condition of the present hi-tech world, on the ongoing massive environmental degradation, resource depletion, poverty and disease, it is time for us to sit up and think.

Earlier, 1,300 leading scientists from 95 countries who published a detailed assessment of *The State of the World* at the dawn of the new millennium had concluded: “Earth’s life support system is disintegrating; the modern society is literally undoing the work of organic evolution; the institutions we have created are destroying the livability on Earth. Planet Earth stands on the verge of an imminent disaster and people should no longer take it for granted that their children and grandchildren will survive in environmentally degraded world of the 21st century.”

Elsewhere, three groups of scientists, using different methodologies, have found that the present system is fundamentally flawed and that we may have as little as 25 years before our socio-economic systems destroy the life-support system completely. As one among many other examples, they point out the sorts of catastrophes awaiting us on the energy front alone: global oil production could peak in as little as four years and that our political leaders are calling for even more of the same.

As is evident, the above central observations are not the doom-laden talk of green activists. Until recently, the talk of any possible humanity’s collapse or the much feared *Big Crunch* was the preserve of lunatics and cults. In the past few years, however, an increasing number of intelligent and credible people have been warning that global collapse is a genuine possibility. And many of them are great, sober scientists, including Lord May, David King and Jared Diamond – people not usually given to exaggeration or drama. The world is

heading for an “ecological credit crunch” far worse than the current financial crisis because humans are over-using the natural resources of the planet, an international study warns in recent times.

On the economy front, industrial civilization has totally messed up the global economy. Frequent reports of financial ‘meltdowns’ are endemic and the reality is that most banks in the world are in *Distress List* and that many – including super power nations – badly need ‘bailouts’.

As for the similar conditions in other sectors, world media is awash with new revelations of adulteration and toxification of most consumer products and even about the state of water, soil and air of planet Earth that is reaching intolerable contamination level, thereby rendering man, society and planet literally sick everywhere. This may explain the new development that Nature is increasingly becoming unpredictable and that cyclones, earthquakes, tsunamis are on the rampage.

Now, coming to the solution proposal of the greatest scientist of our time, Stephen Hawking, to go to the other planets like Mars or Venus, the proposal (for escape when he felt suicidal danger on Earth) may be right instinctively, but not scientifically – and totally impractical in both ways. Science and technology being his forte, Hawking is bound to have thought of certain scientific solution (like repairing our own planet, as the livability on it is on the brink of breakdown), because this solution is to the problems that are exclusively created by the industrial civilization. Further, why are the major scientists of the day being largely silent on this vital existential crisis? After all the problems, that mankind faces today, are basically the creation of modern science and technology.

Certainly, in his solution proposal of abandoning planet Earth and to escape to other planet on the cosmos, Hawking is not relying on rational science devices but only on his sudden PRIMAL instinct. Here Hawking is behaving like a child who, after long playing a device and making the device unworkable, is taking it to its mother, or he is behaving like a baby child who in times of danger or stress searches for its mother as a “secure base” to cling to, or as a child playing at the outdoors and upon sensing some sudden dangers returns to its mother for solace. Thus the solution attempt naturally is FIRST with the INSTINCTUAL response. Now the rightness of this first natural instinctual response is determined, of course, by the state of development of the natural instinct in a particular person.

The instinctual responses mature at different times during the early years of life and develop at different rates; they serve the function of binding the child to mother and contribute to the reciprocal dynamic of binding mother to child. The facts that in industrial civilization we have lost such instinctual, primal responses and feelings, and that we have come to completely depend on ‘pure reason’ (modern science) are altogether another factual developments.

Here I am blaming the apparent immaturity of the scientists, and not their instinctual responses, in finding solutions. The mature practice is to think

differently in finding solution to a problem other than the model of the thinking that created the problem. Therefore it is the present mode of thinking – the scientific mode of thinking – that created these problems in the first place.

Now let us look at our crisis and its solution (as stated by Stephen Hawking) using the BIG PICTURE perspective, for which a close comparison of Man, Earth and Nature (Universe) is necessary.

Mankind has been around here on Earth since about the last 4/5 million years and the new sub-human species – the modern mechanical man – largely since about the last 300 years, even as Mother Earth has been here since tens of billions of years. Now comparing the lifespan of humans and the mechanized humans and Mother Earth: if Earth existed only for 24 hours, then humans existed for about 0.01 seconds, and the new sub-human species (the modern mechanical man of the last 300 years) existed just for 0.00000001 second. And so are the cases of man's other attributes like his size, intelligence and so forth if we compare them to those of Mother Earth.

Thus humans, like millions of other kinds of species, with their miniscule lifespan, are certain kinds of short-time travelers in *Spaceship* Earth – as the up-and-down short-time travelers in a very long train or a passenger bus. Here, humans are to Earth what the trillions of cells are to his body, which go on growing and dying momentarily, inside human body.

Now if we look at the equation between planet Earth and the whole Universe, it too appears similar to the equation between humans and planet Earth. Like the billions of humans and trillions of other species to Earth, the Universe or Mother Nature contains trillions of Earth-like planets and stars. Here planet Earth and the trillions of planets and stars are like the trillions of cells to the body of the Universe, taken as a whole. Now think of the complex motion of the Earth that it undergoes - around its axis, around the Sun, along with the Sun around the Milky Way Galaxy, along with the Milky Way Galaxy around the Local Group of galaxies, along with the Local Group of galaxies around the Local Universe and with the Universe (Nature) which is on infinite motions. (Here the independent motion of man is limited to his movement on Earth, be it on foot, in a car, train, ship or plain).

The Earth spins around its axis as it orbits the Sun. At the equator, the Earth's surface moves 40,000 kilometers in 24 hours at a speed of about 1670 km/hr or 0.5 km/sec. Then the Earth revolves around the Sun on average 149,600,000 km from the Sun, at a speed of about 30 km/sec. The entire Solar System slowly orbits around the Milky Way Galaxy at a speed of 250 km/second, and our solar system roughly takes 200-250 million years to orbit once around the Milky Way. Then the Milky Way Galaxy is just one galaxy in a group of galaxies called the local group. Within the Local Group, spread surrounded in distance of billions of light years, the Milky Way Galaxy is moving about 300 km/sec.

Here, comparing the lifespan and other attributes like size, intelligence etc. of Earth, to those of the whole Universe (Mother Nature) – the dimension and other measurements though pretty unfathomable or infinite – the attempt

may be judged against the comparison of the lifespan and other attributes like size, intelligence etc. of humans to those of his Mother Earth. Here any direct comparison of human species (the momentary “cells” to the body of Earth) to the whole unfathomable, infinite Universe (Nature) is simply unimaginable and far beyond scope.

Here, when man has no much independent motion on Mother Earth and is helplessly subjected to the complex motions of Earth in Nature, how realistic is modern man’s recent claim of CONTROL of Mother Nature, the very Nature that controls man’s Mother Earth? Here mankind’s features like its miniscule lifespan, size, intelligence and the like come to be much less than 0.00000000001% of the similar features of Mother Earth. And now, mankind’s claim to control Mother Nature or Universe which has “an infinite sphere of which the center is everywhere and the circumference nowhere” is an attempt that smacks more of certain eccentricity. Here petty man possesses his entire feature like lifespan, size, intelligence and all that to be much less than 0.00000000001% of the similar features of Mother Earth, and Mother Earth, on the other hand, possesses only much less than 0.00000000001% of the similar features of the Universe or Mother Nature.

The basic problem is that the world we have created is a product of our thinking, namely the technosphere; it cannot be rectified or changed without changing our thinking. That is why Albert Einstein wrote: “A new type of thinking is essential if mankind is to survive and move toward higher levels”. In short, this attempt is an appeal for a basic change through a moral awakening that touches not only the social and the political but the very essence of humanity that can only come from our own hearts and spirits and which will enable everyone to see the big picture and to become the spark of a new age. This book is an attempt in that direction and it is born out of my anxiety to be alive spiritually and feel the ultimate concern of existence within the trivial apprehensions of everyday life.

We will come to the veracity of this bizarre development in later chapters. (More on the topic of Higgs Boson discussed in chapters 6, under the subtitle: The Violent and Toxic Half-Truth).

Fast shrinking problem-solving capacity

Despite all the uproar and ovation on the wonderful discoveries and ‘progress’ made by modern science, what is apparently visible and experienced is the fast erosion of the problem-solving capacity of the present world. What has suddenly happened to human problem-solving capacity which he otherwise used to have in ample measures since millions of years? Let us find an answer to this crucial question by analyzing the method of problem-solving by the pristine human or the pre-science human.

In this method, which often is a one-step solution, is the quick INSTINCTIVE response by which almost 90% of his problems are solved. The

rest 10% problems may require a second step - REASONING. Long living in a world solely dictated by 'pure reasoning', namely the industrial society led by modern science and modern philosophy, and totally abandoning and ignoring the innate human instinct, modern mankind seems to have shed and lost almost 90% of his problem solving capacity, which later led to contaminating and atrophying the quality of his innate reasoning itself. And modern science is the sum of certain past opinions and ideas of some 'experts and 'geniuses' and which are relevant only to environment and time of their formations of such ideas and they have nothing to do with environment and time of their later applications by society and people at large.

Today mankind seems to have been long lost in the 'wonders' and 'super powers' of science which otherwise is the systematic development of only the secondary 10% factor of the innate human problem-solving capacity, the 90% primary factor being its innate instinctual response which modern humans have totally abandoned and ignored in the midst of a plethora of machines and other readymade solutions easily available in the market in the forms of mechanized devices and other synthetic products. Modern mankind seems to have long lost the art of forming independent ideas or opinions of its own. Today the mechanically mass-educated, mass-communicated, mass-medicated, mass-marketed, mass-fed, mass-led and mass-entertained modern mankind have all easily stripped and depleted its innate human traits in ways that promptly leave mankind incapable of responding to anything as an organic human being, other than anything as a mechanical system being.

The main problem of modern society is that almost 99.99% of people in it are not using their brain or mind, but live on just on the systems' readymade opinions or ideas. This is the central block in finding solution in modern society. Regarding this pathetic state, Alexis de Tocqueville writes: "In the United States, the majority undertakes to supply a multitude of ready-made opinions for the use of individuals, who are thus relieved from the necessity of forming opinions of their own". In this aspect, the state of affairs in the science-dictated rest world is still worse.

Earlier, in the 17th century, famous French revolutionary Jean-Jacques Rousseau wrote: "Education does not make a man good; it only makes him clever - usually for mischief. ... It would be better to abandon our over rapid development of the intellect, and to aim rather at training the heart and the affections. INSTINCT and feeling are more trustworthy than REASON."

Now let us examine as to how the modern society started to generate ready-made (expert) opinions and how it has come to totally depend on them for the modern life process, including all its problem solving processes. Here we will briefly verify the chronology of this sort of pure reasoning-led modern development, the latest part of which leaves us in a highly deprived planet with fast shrinking life-sustaining environment, and with the last 'instinctive' solution of escaping to other nearby planets like Mars or Venus. Here we will first see how we false-developed our instinct and logic from our early formative years.

Evolution of a motherless/fatherless mankind: In the past, which individuals were most responsible for our developmental years of life? For almost every unspoiled or natural human, the answer is his/her PARENTS. For millions of years, and for millions of other species on planet Earth, this has been the reality: human's instinctual reliance is on his/her maker which is, directly, his/her parents and indirectly and totally, Mother Nature.

For millennia, this has been the cycle for the family unit: A man and woman come together in union, marriage. They have children. They care for their children and teach them how to live. The children grow up, take what they have learned from their parents and surroundings, and live their own lives, normally and naturally becoming parents. And thus, the cycle continues.

That cycle has been almost falling apart in modern society, particularly in the 'developed' part of the world. The social experiments of the 20th and 21st centuries – which have attempted to redefine the roles of parent and child – have caused the family to come under assault. One of the greatest factors is that families are increasingly becoming fatherless or motherless or even both.

Here, I am not saying that most families today are fatherless or motherless but about the development of a peculiar social environment where even when parents are literally present, they themselves are fast becoming highly immature and are ending up as meaningless and purpose-lost entities – that the modern parents have seldom parenthood. (More on the development of modern Immature Humans are discussed in chapter eleven – under the title: Immature Culture Builders and Psychopathic Societies).

In a work-tied modern mechanical life, occupational ties between father and son and between mother and daughter are severed. Further the later trends of 'working ladies', 'child-free' women, children being considered as occupational hazards, emergence of childless-by-choice type of life (the fastest-growing family type in Australia is "childless") are just some of the modern development. (More on this topic discussed in chapter 14: Neutering of Mankind)

"Only within the moment of time represented by the present century has one new species – modern man (mechanized man) – acquired significant power to alter the nature of his world", Rachel Carson, former USFWS biologist, thus writes on the evils of modern mechanical development of human intellect. He explains: "A child's world is fresh and new and beautiful, full of wonder and excitement. It is our misfortune that for most of us that clear-eyed vision, that true instinct for what is beautiful, is dimmed and even lost before we reach adulthood. ...For the child, it is not half so important to know as to feel. If facts are the seeds that later produce knowledge and wisdom, then the emotions and the impressions of the senses are the fertile soil in which the seeds must grow. . . . It is more important to pave the way for a child to want to know than to put him on a diet of facts that he is not ready to assimilate."

Children learn best through their everyday experiences with the people they love and trust, and when the learning is fun. And the best place for these experiences is outdoors, in the natural world. But, has the child today any natural

environment to develop its very fundamental instinctive that is vital for its later problem solving capabilities? “We spend the first year of a child’s life teaching it to walk and talk and the rest of its life to shut up and sit down”, writes Neil deGrasse Tyson on the highly linear and mechanized modern education.

Here the occupational ties in the work-tied modern mechanical life alone are not the culprit. Today not only are the children in a motherless/fatherless condition but their mothers and fathers are also in a parentless state. Mother Nature is the mother of also our mothers and fathers. The long growing addictions to modern lifestyle, the long growing degeneration of both mental and physical faculties of modern humans are severing all sorts of human ties to Nature and also uprooting man from Mother Nature itself, let alone knowing Nature, and thereby rendering them all orphans.

Man’s problem solving capacity was at its best so far as his quick instinctive response remained pristine and basic. Thus he lived in perfect harmony with Mother Nature and became the ‘noblest of all species’ when he did not need any specialized learning or ‘pure reasoning’ like modern science. Thus for living in Nature, he did not need any operating manual unlike today when he needs tens of thousands of how-to-books or ‘operating manuals’. American architect, designer and systems theorist Buckminster Fuller (1895 - 1983) who popularized the idea of looking at our planet as a SPACESHIP with a finite amount of resources – and no external supply line – and who coined the now familiar phrase “spaceship earth” back in the 1950s to describe the integral nature of Earth as a living system, said: “Now there is one outstandingly important fact regarding Spaceship Earth, and that is that no instruction book came with it.”

But once man began to lose or false develop his innate instinct because of the above factors, he began to depend only on ‘pure reasoning’ or modern science. Thus man’s problem-solving capacity got reduced to such abysmal low, with both his innate instinct and logic getting contaminated that he began to ‘preserve’ his reasoning through memory boosting and repeating means like mechanization, compartmentalization, specialization, writing, printing, computer etc. Today he cannot live in or operate his newly built mechanized ‘Nature’, the ‘second nature’ – to be called TECHNOSPHERE – without the help of tens of thousands of ‘operating manuals’ (volumes in the forms of how-to-books).

Our current thinking (pure reasoning) in making machines includes the idea that they break down, or wear down (entropy). In our world of machines – technosphere – we are living by the help of readymade solutions (machines or somebody’s arrested thinking) where we have neither the botheration to think nor to use our innate instinct, if at all there is any of our primal instinct left. And thus our innate capacity to think and instinct are long on entropy. Here what is going on in the technosphere is just the reverse of how they were in Nature. Thus what is right in Nature becomes wrong in the technosphere, and vice versa. But the more tragic consequence regarding this wrong-turned-right system is that the lifestyle in the technosphere (modern society), its philosophy, laws and equations are all becoming the new ideals and trends in

the present society, no matter they were all wrong during pre-modern eras.. And the result is that they all end up abusing, contaminating and degenerating the livability nature of Earth and its life-sustaining environment like air, water and soil far beyond the tolerable limit. (More on this topic discussed in chapters 5 and 6)

Thus, there seems to be something more bizarre about this whole gamut of modern man's problem creation and their solution than what meet the eyes; that this whole process is ending up more imaginary and mythical than anything real. First they convert what is naturally wrong as mechanically right, and as the cumulatively, globally and exponentially growing wrong vitiates and contaminate everything right on its path to the extent that today mankind is now advised to escape to some nearby planets on the cosmos (Nature), which too is an equally bizarre proposal smacking something more unreal or as an imaginary fairy-tale remedy.

Logically, when something goes wrong in human body, we become unwell and sick. When something goes wrong in human mind/brain, it may cause mental illness. Likewise, when something goes wrong in society and its systems, it may cause many societal illnesses, like social upheavals, wars and the like. However, when something goes wrong in society and its systems in such a manner that society takes it not as anything wrong but as only right and in perfect order – like the wrong-turned-right system becoming the new reality – then it starts many vitiations in the forms of certain types of SELF-EVOLVING RACKETEERING. The topic on *Sweet Poisoning and Self-Evolving Racketeering* is based on the concept that when we are tempted to adopt or consume a mechanical device or product, as a solution to a problem, it inevitably leads to the creation of two or more problems in future for which we will have to use more devices or products (sweet poisoning), and this self-propagating and self-evolving racketeering type process goes on cascading as in a the multi-level marketing pyramid, that the whole mankind of the present industrial civilization is inescapably linked at different layers of this grand pyramid. (This topic, as the main premise of this book, is explained in chapters 2).

Thinking of Earth as a spaceship reorients our position. As a solution to the present crises, we need not think of going into space, outer space; we are already in outer space. We are already out in space. Maybe the fact is that we are lost in space, and we are running out of fuel. Yes, we, as orphans, are badly beginning to feel the real entropic effects, and, as a logical false instinct, we are starting in shopping around for a new planet – and looking at Mars and Venus!

Given the risks humans and his systems (technosphere) pose to the planet Earth, most likelihood is that someday Earth, to conserve herself, may simply shed the irritant human species. N.K. Jemisin wrote in *The Hundred Thousand Kingdoms*, "In a child's eyes, a mother is a goddess. She can be glorious or terrible, benevolent or filled with wrath, but she commands love either way.

I am convinced that this is the greatest power in the universe”. There can be no two opinions that Mother Earth is irritated and filled with wrath towards her highly destructive present human species. The growing trends of thunder storms, massive earthquakes, monster tsunamis and the like only symbolize the initial symptoms of her wrath. And we, as the present parentless state as orphans, are helplessly left without any place even to cry. For, as Jodi Picoult wrote in *House Rules*, “The best place to cry is on a mother’s arms”, and we, through our massive mechanization and ‘progress’, desecrated the ‘arms’ that cradled us.

Evolution of narcissist mankind

Long living in a state of alienation from Nature, of parental rejection or parental overindulgence and with mechanical overabundance, most of the mechanized modern humans have fallen in love with their own image, with images of their own making, which turn out to be images of themselves. In the modern consumerist world, almost 75% people exhibit various types of what is called Narcissist traits at different stages of their development.

Narcissism means having an inflated or grandiose sense of self. Here our idled “natural instinct” becomes a pursuit of self-importance. Living in a society that has become increasingly self-absorbed, out of touch with its past and future, and totally focused on the moment where everyone is seeking decadence and immediate self-gratification. Here we are achieving an ability and inclination to express what we are not, and we achieve this by the help of a plethora of products and devices of the market.

As individuals and as a society, we now suffer from narcissism. The psychological condition of narcissism in extremism, known as “Narcissistic Personality Disorder,” was first given medical credence by the American Psychiatric Association in 1980. Those under the spell of NPD share a penchant for compulsive self-promotion, doomed grandiosity, and aggressive avoidance of empathy.

Thus in today’s world, appearances are highly deceptive. Things are not always as they seem, and you can not necessarily trust the evidence of your eyes. Internal reality is often different from external looks. The external appearance is not a reliable guide to the quality of what lies within. Beauty, appearances and all its glamour are not what defines someone or something. It is sheer vanity blossoms that bear no fruit.

In the man-made ‘second nature’ called technosphere, we are living by the help of ready-made solutions while our own innate instinct and reasoning remain largely idle. However, in our long living by the help of the system’s brain or solutions, our own unused or idled instinct and reasoning undergo degeneration or they develop misleadingly, as weeds.

Meanwhile, our long dependence on instant mechanical solutions start to create certain bizarre emptiness that erode our innate self-confidence and self-esteem and, to mechanically fill the vacuum, we get addicted to consumerism

for which we start to exploit our degenerated or false-developed instinct and reasoning on a competitive fashion.

A narcissistic parent is a parent affected by narcissism and has narcissistic personality disorder. Typically narcissistic parents are exclusively and possessively close to their children and may be especially envious of their child's growing independence. In the face of this independence, the narcissistic parent "may experience a sense of loss, the child having served as an important source of self-esteem." The result may be what has been termed "narcissistic attachment"—the child always exists for the parent's benefit. The same is the case of modern social systems and many nations – they expect no independence for their people or citizens.

Thus narcissism has nurtured a kind of emotional isolation and immaturity, leading to what might be called permanent adolescence, which leaves many young people without the tools needed to handle criticism, collaboration and the pressures of the social life. Advertising and marketing have shaped the behavior and psychological profile of the modern consumer. Consumerism is at the crux of a number of important issues affecting the nations and the world – and thereby the creation and maintenance of the false self, spiritual emptiness, detachment from Nature, and sustainability.

Here personal gratification becomes the driver of narcissism and consumerism, which are two sides of the same coin. Consumerist marketing glorifies the "projected self" as the "true self," encouraging self-absorption even as it erodes authentic identity, self-esteem and the resilience which enables emotional growth—the essential characteristic of adulthood.

People buy useless junk and adorn themselves in flashy and eye catching ways because they feel the moral and personal emptiness of modern life. People no longer have to have conversations with other people. Electronic goods either mediate or, increasingly, replace human interaction. The mechanized modern man is thus interested in consuming, not enjoying objects of consumption. For example, many people build up libraries containing more books than they can ever read in their lifetime and will keep buying books for the sake of buying books and consume.

Knowledge Pollution: Growth of the mechanized 'mind' continues non-stop

Our problem is that today's KNOWLEDGE does not die unlike the case of everything else in Nature that has the natural life cycle of birth, growth, decay and death – like the African saying 'When an old man dies, a library goes up in flames'. Modern knowledge process, on the other hand, outlives the rest life forms through mechanization and by progressively ignoring the KNOWER – man. For millions of years, man had no tool or systems to promote remembering, like the modern development of printing and photography and now digitized knowledge. Hence, in the pre-literate past, human life too did

not merely repeat but creatively evolved to newer and higher life forms that made man the 'crown of all creations'.

The process of mechanization of knowledge and its automation began in the 15th century with the introduction of the Gutenberg printing press where text and ideas became open to commodification, the drastic and immediate consequence of which was expressed in the words of the famous French revolutionary Rousseau: "Consider the frightful disorders which *printing* has produced in Europe. Wherever 'philosophy' (science at that time was referred to as philosophy) arises, the moral health of the nation decays. There was even a saying amongst the philosophers themselves that since learned men had appeared, honest men were nowhere to be found. I venture to declare that a state of *reflection* is contrary to Nature; and a thinking man is a depraved animal." Rousseau thus wrote in his essay, as an answer on the question, "Has the progress of the Sciences and the Arts contributed to corrupt or purify morals?" Rousseau won the prize in 1749 from the Academy of Dijon for his brilliant answer on the negative.

Forty years after the invention of the press, there were printing machines in 110 cities in six different countries; 50 years after, more than eight million books had been printed, almost all of them filled with information that had previously not been available to the average person. Nothing could be more misleading than the idea that computer technology introduced the age of information. The printing press began that age, and we have not been free of it since.

In 1990, in America alone, there were 260,000 billboards; 11,520 newspapers; 11,556 periodicals; 27,000 video outlets for renting tapes; 362 million TV sets; and over 400 million radios. There were 40,000 new book titles published every year (300,000 world-wide) and every day in America 41 million photographs taken, and just for the record, over 60 billion pieces of advertising junk mail come into our mail boxes every year. Everything from telegraphy and photography in the 19th century to the silicon chip in the twentieth has amplified the din of information, until matters have reached such proportions today that for the average person, information no longer has any relation to the solution of problems.

Part of this shift is the digital revolution which is coming out as the process of virtualisation. To understand the nature of this process we have to look at how human beings transform the material world for their own needs. In the agrarian age and before, matter was being transformed by physical labor and mechanical devices. Hence matter was being transformed by matter. During the Industrial Revolution, we inserted a new factor in the production process, i.e. energy (in the form of processed fuels). Hence matter was being transformed by matter, and by energy, and this led to a quantum leap in productivity.

We are now in the process of adding yet another factor in this equation: i.e. INFORMATION. Today, the natural world is being transformed not only by using matter and energy, but by the introduction of information, which

leads to a new explosion of productivity. We can say that virtualisation is the increasing substitution of matter by information. This process has profound consequences for our ways of relating to the world. Between humankind and Nature, between humans and other humans, between humans and machines, there is now a layer of information. And, this layer of information gains in prominence as the process of virtualisation intensifies. In the past, we were able to say, 'if I can't touch it, it isn't real'. This has been the credo of science, of the industrial world, of materialism. Today, this situation is being reversed to the point where one could even say, together with management consultant Tom Peters: 'if you can touch it, it's not real'. In other words: the informational, the non-material, has become more important, in political, economic, social, and philosophical terms, than the material. A pair of Reebok shoes, contains more non-material value (image, marketing, research) than its actual value in terms of the available stuff in it.

Our social life is already virtualised to the extent that most of us would spend more time watching Nature documentaries, than effectively walking in the woods! This process, which has begun by the emergence of television, will be intensified by the new cyberspace media. Multidirectional networked media like the internet are not just an extension of the mass media; they represent an important shift, because they create a new collective mental space. Hence the notion of cyberspace, which means that next to the physical world, humankind is now creating a parallel 'virtual' world, which will co-exist with the so-called real world. If our ancestors have been living principally in a natural environment, and civilised humanity in an architectural environment, then our descendants will principally live in a 'digital environment'. Cyberspace is where they will live an important part of their time, and what happens in cyberspace, will greatly determine the rest of their lives.

Information overload: Alvin Toffler sounded the first early warning more than 30 years ago. In his trailblazing book, *Future Shock* (Random House, 1971), Toffler theorized that human brain has limits on how much information it can absorb and process. If that limit is exceeded, the brain becomes overloaded, thinking and reasoning become dulled, decision-making flawed and, in some cases, impossible. Even worse, he suggested, information overload will eventually lead to widespread physical and mental disturbances. He called this phenomenon "future shock syndrome."

Back then, all this sounded like a dose of science fiction, but some of today's scientists and researchers say that Toffler was right. They tell us that information overload can indeed cause stress build-up and short-circuits in the central nervous system. That, in turn, can bring on harmful mental and physical changes.

Internationally known British psychologist, David Lewis, goes further. He says, "I do think there are people out there who are dying because they're getting too much information and they don't know how to handle it."

World today is being overwhelmed with information. Each new day introduces an unrelenting flow of data – TV news, the Internet, e-mail, voicemail, faxes, cell phones, pagers, billboards, junk mail, newspapers, magazines, books, catalogs, nonstop cable news. It never lets up and there's no place to hide. It assaults us at home, at work, even at play. By one estimate, a single issue of the *New York Times* contains more information than the average 17th-century person would come across in an entire lifetime. Philip K. Dick writes: "Because today we live in a society in which spurious realities are manufactured by the media, by governments, by big corporations, by religious groups, political groups... So I ask, in my writing, What is real? Because unceasingly we are bombarded with pseudo-realities manufactured by very sophisticated people using very sophisticated electronic mechanisms. I do not distrust their motives; I distrust their power. They have a lot of it. And it is an astonishing power: that of creating whole universes, universes of the mind. I ought to know. I do the same thing."

In the 1979 book "The Mighty Micro", Christopher Evans puts the phrase into a context that we would all understand now: "Computers, in other words, have not arrived on the scene for aesthetic reasons, but because they are essential to the survival of a complex society, in a way that food, clothing, housing, education and health services are essential to a slightly simpler one. The truth is that one of the main problems – perhaps the main problem – of the time is that our world suffers from information overload, and we can no longer handle it unaided." Information and computer revolution is now preparing the basis for profound social change for their worst effect in history. They will cover all the floors of public integrity – social structure, economic life and labor, policy and education.

Information technology is developing rapidly. Thus, in 1971 the world's first microprocessor contained 2,300 transistors and allowed you to make 60 thousand operations per second. In 1993, the fifth-generation computer contained already 3300 thousand transistors and perform 166 million instructions per second. Connoisseurs and experts believe that by the end of the century there will be computers that will contain every processor 80-100 million transistors and run up to 2 billion instructions per second.

Information technology has become a powerful generator and amplifier for dramatic cultural changes and innovations. It will cause contradiction and ambiguous process. Electronic means of communication for individual use, especially television and global computer networks make it possible to obtain necessary information from virtually anywhere in the globe, greatly expanding human freedom, its independence of location and choice of the information. It now widely uses the term "information superhighway" or "information at your fingertips," implying the possibility of quickly obtaining free access to information on virtually any topic. Undoubtedly, this will change the nature of mass culture, education system and expand the horizons of each individual.

The result is wandering attention, inability to stick to one task and frustration at the constant interruptions from new areas being lit up. At night, while you're asleep, the controller is still sorting out information, often waking up you with 'new' ideas buzzing in your head.

Obviously, our ability to gather and deliver information has increased greatly since 17th century, but the brain's ability to absorb and process it has not changed since the days of the caveman, say today's research scientists. "No matter how much we try to absorb everything that comes to us via the various media channels, our brain is limited and can only focus on one thing at a time in depth. Much of what we think we're taking in is dissipated before we're able to digest it – and it dissipates our mental energy at the same time" says Susan K. Perry, Ph.D., a social psychologist in Los Angeles.

Still the world today cries for more information. "Not only are we swamped with facts and trivia, but many of us actually become addicted – using the term loosely – to this high level of cognitive stimulation," says Dr. Perry. David Shenk, author of *Data Smog: Surviving the Information Glut* (HarperEdge, 1997), and he puts it thus: "People make the mistake of confusing information with knowledge. Information overload fuels stress and promotes faulty thinking. The data glut we all slog through every day as work reduces our attention span and makes us numb to anything that doesn't lurch out and grab us by the throat."

The workplace, especially, has become a breeding ground for information overload. A worldwide survey (Reuters, 1996) found that two thirds of managers suffer from increased tension and one-third from ill health because of the huge amounts of information they must cope with. The workplace, in fact, has become our leading source of stress, according to the American Institute of Stress.

The tie between information and action has been severed. Information is now a commodity that can be bought and sold, or used as a form of entertainment, or worn like a garment to enhance one's status. It comes indiscriminately, directed at no one in particular, disconnected from usefulness; we are glutted with information, drowning in information, have no control over it, don't know what to do with it.

We have directed all of our energies and intelligence to inventing machinery that does nothing but increase the supply of information. As a consequence, our defenses against information glut have broken down; our information immune system is inoperable. We don't know how to filter it out; we don't know how to reduce it; we don't know to use it. We suffer from a kind of cultural AIDS.

The acceleration of change is accompanied by an increase in the information needed to keep up with all these developments. This too leads to psychological, physical and social problems. The psychologist David Lewis, who analyzed the findings of this survey, proposed the term "Information Fatigue Syndrome" to describe the resulting symptoms.

Shrinking of human intellect: Many of us may wonder as to why we are surrounded by idiots? A leading US scientist at Stanford University thinks he has the answer. Dr. Gerald Crabtree, a geneticist at Stanford, has published a study that he conducted to try and identify the progression of modern man's intelligence. As it turns out, however, Dr. Crabtree's research led him to believe that the collective mind of mankind has been on more or less a downhill trajectory for quite some time.

According to his research paper, 'Our fragile intellect Part I,' published in 2011, Dr. Crabtree thinks unavoidable changes in the genetic make-up coupled with modern technological advances has left humans, well, kind of stupid. He has recently published his follow-up analysis, and in it explains that of the roughly 5,000 genes he considered the basis for human intelligence, a number of mutations over the years has forced modern man to be only a portion as bright as his ancestors.

"New developments in genetics, anthropology and neurobiology predict that a very large number of genes underlie our intellectual and emotional abilities, making these abilities genetically surprisingly fragile," he writes in part one of his research. From there, the doctor goes on to explain that general mutations over the last few thousand years have left mankind increasingly unable to cope with certain situations that perhaps our ancestors would be more adapted to. He further notes down:

"I would wager that if an average citizen from Athens of 1000 BC were to appear suddenly among us, he or she would be among the brightest and most intellectually alive of our colleagues and companions, with a good memory, a broad range of ideas, and a clear-sighted view of important issues. Furthermore, I would guess that he or she would be among the most emotionally stable of our friends and colleagues. I would also make this wager for the ancient inhabitants of Africa, Asia, India or the Americas, of perhaps 2000–6000 years ago. The basis for my wager comes from new developments in genetics, anthropology, and neurobiology that make a clear prediction that our intellectual and emotional abilities are genetically surprisingly fragile."

Incidentally, cognitive psychologist David Geary proposes that our brains are getting smaller because we are becoming more stupid. The argument goes that brain size is related to social complexity but in a surprising way. Geary points to the fact that brain size started decreasing at the same time as complex societies emerged. When this happened people didn't need to be as smart to stay alive because they could rely on others for different kinds of help.

Then again, Richard Wrangham, a primatologist, points out that as animals become domesticated there is a reduction in their brain size. In one study where animals were selected for lack of aggressiveness, brain size reduced. Wrangham argues that this has been happening in human societies where high levels of aggressiveness are punished by death or social exclusion.

Long living under a strong spell of this modern collective stupidity, modern world has rendered most of the affected humans and their systems becoming psychopathic. No wonder many recent studies have come to the conclusion that today we live in a psychopathic world. The primary trait of a psychopath is his/her soullessness or mindlessness. And the industrial/machine age that we live in today has no soul or mind. Most conventional scientists believe human beings are mere “biological robots” with no mind, no soul, no free will and no consciousness.

In his prophetic novel *1984*, George Orwell has portrayed a society that has lost all trace of individuality, love, and critical thought and visualized humanity turning into soulless machines devoid of thought. Orwell further warned that if people cannot change the way things are going, our society will lose their human qualities. They will become soulless machines and not have a clue as to their new world they created. In *Brave New World* of Aldous Huxley, people were mindless and soulless. They had no minds of their own. Throughout their childhood, they were essentially brainwashed. Everything they knew was copied into their brains from somewhere else, almost like robots. Each social class thought that they were the best, but this was all due to the brainwashing. Such societies actually treated themselves unethically and unfairly, so these highly mechanized societies were only hurting themselves.

But, what we witness in today’s society is no longer any fictions or unrealities but the ‘virtual’ realities created by imaginations or hypotheses (modern science). After having converted almost 99% of the populations as passive parasites, and then using them as fadders and commodities, a handful of corporations have extended their power beyond the reach of most governments the world over. We have been skillfully and deliberately misdirected, and carefully brought up generation after generation, to think of this as capitalism, as democracy in action, and as the free enterprise system. In reality, what is happening is none of those things. It is not even survival of the fittest, but is the survival of the meanest and the stupidest.

It’s really only during the 20th century that we have a whole lot of stupid people running around. Some believe the erosion of our gray matter means that modern humans are indeed getting dumber. A decrease in intelligence and ability to solve problems is a completely vital issue. The fact that today’s population so heavily relies on machines to do the majority of the work and “thinking” for them, has and will continue to have a large impact on the ability for the majority of the population to survive when things start to break down.

The shrinkage of modern human mind has reached such abysmal low that his consciousness or mental capacity can now be compared only to the mental/brain capacity of the sort of a hybrid broiler chicken. Instead of moving to a higher state of consciousness, modern mankind has only descended to a far lower state of consciousness.

And this is a disease of both mind and body that modern mankind, as a whole, has contracted on a global level and the disease is fast spreading and progressing. Mankind thus is on a collision course with extinction.

‘Global Brain’ becomes worldwide ruler: Why is that the reasonably rational individuals who are able to follow an argument and who are unable to refute it are at the same time incapable of making the transition from thought to action? What is stopping them? When humans are clearly smart, what does that matter if they are incapable of acting any more intelligently? Why don’t people just care about understanding what’s going on and what’s going to happen?

Now let us come to the authenticity of our collective ‘intelligence’, ‘global brain’, ‘mass man’ or the ‘brain’ of our universities and ‘prestigious’ institutions that run the show all over the world today.

Humans are very good and intelligent at solving individual problems. But collective intelligence has little to do with how smart the individual members of a group are. All around us we see evidence that groups of people are often less intelligent. Groups of bright people can be collectively stupid. That is why we have become accustomed to expect creativity, innovation, and other problem solving capability from only individuals. President John F. Kennedy quipped at a dinner honoring 49 Nobel Prize winners that “this is the most extraordinary collection of talent, of human knowledge, that has ever been gathered at the White House—with the possible exception of when Thomas Jefferson dined alone,”. Here President John F. Kennedy was only giving proper homage to individual genius (Thomas Jefferson). Others have noted the familiar expressions that if you want something done right, don’t assign it to a committee, group, lobby etc.

But political life too often involves little more than a struggle for power among competing interests. Here everything is done on a mass/collective basis, through groups, parties, committees, lobbying etc. Thus today, the mechanically mass-educated, mass-communicated, mass-medicated, mass-marketed, mass-fed, mass-led, and mass-entertained modern mankind have all easily stripped and depleted man of his ingenuity in ways that promptly leave him incapable of responding to anything as an organic human being, other than anything as a mechanical system/group being. A vicious circle is being created when the survival drives of this massive population pressurizes humanity to adopt short-term resource extractive methods and values of the techno/industrial pseudo-culture. Ignorance and especially ignorance of ignorance are the most powerful forces that keep an entrenched system in perpetual vicious circle.

All these realities reveal collective ‘intelligence’ (or its shadow, collective stupidity) has been at work for quite some time now. And tragically, the development is not without its grave consequence: this long onslaught of collective ‘intelligence’ (stupidity) has rendered individual intelligence and intellect as degenerated and shrinking. Thus human individual creativity (positive) and other problem-solving capacity have taken a severe beating in our day. No wonder, we are now inundated in all kinds of crises, many of them reaching their catastrophic tipping points. (More on Collective Stupidity

discussed in *chapter 2*, under the subtitle, *Modern Man Has Come under the Strong Spell of Collective Stupidity*, and in *chapter 11*, under the subtitle, *Immature Society Promotes Collective Stupidity*)

This subject is so vast that it is impossible, within a limited space, to do more than outline some of its aspects. “Men are born ignorant, not stupid. They are made stupid by education.”, wrote the great philosopher Bertrand Russell. Modern Science, like organized religion, has long enjoyed the status as the ‘magnificent clothes of the emperor’. Our inability to understand the long ‘group pressures’ to see contrary to the obvious, we never bother to question the many fundamental flaws of modern science. And modern science emerged as the only core of modern education and it went on erecting a ‘second nature’ – Technosphere – for the newly converts, namely modern humans, just as Nature was the abode of natural humans for millions of years. Science basically is only just a methodology or tool, among many, to create knowledge. That it is more effectively used, as a potential tool, to promote collective stupidity is the reality.

Evidence for the insanity brought about by collective stupidity is everywhere in modern society. We are evolved from Nature, all our requirements for life and survival depend upon Nature, yet, in the name of modern science, we are destroying Nature.

Nature is the creator of man. Substituting or controlling Nature thus amounts to questioning man’s own existence, thus rendering him baseless and rudderless, as is the condition of modern society today. Modern man, by controlling Nature, by drastically reversing the millions years old evolutionary process, and thus in totally depending on substitutes, has rendered his own existence baseless and rudderless.

Examples are in abundance in this book for this wanton basic stupidity. As for just one example, today’s machine-dependent man needs lots of non-renewable energies for the daily maintenance of his mechanized society which he did not need for millions of years, as late as up to some 300 years ago. Further the waste from these fuel energy-dependent process has become such menacing that the world today has nuclear spent fuels – just one among many types of energy sources and their waste – that is capable of burning the whole planet several hundred times if the stock is not perpetually kept in highly secure and air-cooled condition for several thousand years, and we have to do it in a highly war-ridden global environment today. Thus modern science itself proves to be a system of collective stupidity.

Likewise, religion too is exploited in the collective; it is liberated in the individual. Religion as a personal belief system is fine – it is when it becomes a collective that it distorts, stagnates and is used to hold us back or make us feel righteous. We are now but the expression, the result of past and present environment. We are the result of compulsion and imposition, moulded into a particular pattern, the pattern of tradition, of certain values and beliefs, of fear and authority. For convenience we will divide this mould that is holding

us, as the inner and the outer, the religious and the economic, but in reality such a division does not exist.

Religion is but an organized system of belief, based on fear and on the desire for security. Where there is self-interest, the desire for security, there must be fear; and through religion you seek what is called immortality, a security in the hereafter, and those who assure you that immortality become your guides, your teachers and authorities. So out of your own desire for egotistic continuance, you create exploiters.

When the mind seeks security through immortality, it must create authority, and that authority becomes the constant cause of fear and of oppression. So to guide and to hold you, there are ideals, beliefs, dogmas and creeds, out of which is born what is called religion. To minister to your illusory needs, brought about through fear, there are priests, who become your exploiters. So you have religions with their vested interest, fear, oppression and exploitation, holding man and thwarting the true, intelligent awakening and fulfillment of the individual. Religions also separate man from man.

Power systems are sustained by sweet lies and half-truths: “The victor will never be asked whether he ever told the truth”, Adolph Hitler thus confirmed the fact that hiding the truth has always been the monopoly of the victor, which the victor cannot reveal without accepting failure. Today we have leaders in the world, who are not the real victors but only the servants of the real victors, and the real victors – we will soon identify them here – being simply the manipulators of mechanical forces, will never reveal the truth as they are not humans. A society does not tell the truth about its own history, especially the history of the alliance of various vested interest forces and the state. And this history of alliance of various vested interest forces is the history of their close complicity in ignoring and destroying truths and other knowledge that seem inconvenient to them. Here, my attempt is to take up that challenge in whatever small way I can and compel the so-called victors – I think there are still a couple of the long unchallenged ‘victors’, like the forces of market and religions, in the world today – to come up with open unbiased mind. My hope is that the world will at last listen to the call of its last survival instinct and may spell the beans.

“A fault is fostered by concealment”, the Roman poet Virgil reminded us back in first century BC. When half-truths and sweet lies are the fortes of large groups and other social systems, the practice can be called institutional lying. Ultimately, individuals create institutional lies, though responsibility can be difficult to assign. More generally, it is possible to refer to “public lying,” namely lying in the public sphere, in contrast to individual lying which is commonly in the private sphere, though the boundaries between private and public lying can be difficult to draw. Government lies and self-deception about atrocities feed into the individual human penchant for denial and self-deception.

Institutional lying is pervasive in war time, and often the existence of censorship and disinformation is acknowledged. The dire predictions of the

so-called conspiracy theorists are all coming true: senseless wars are being created with transparent lies for the profits of a select few; the populace is infected with obvious poisons, for example, from both the medical profession and the food industry who because of later passed laws are immune from legal action by the victims of these cruel concoctions; and our money is being steadily stolen by inbred elitist bankers who use accounting sleight-of-hand to funnel currency to that same small segment of the population who all seem to be immune from laws that guarantee poverty for the rest of us.

Another prime area for institutional lying is advertising, a haven for deception using half-truths and sweet lies. Some of the most effective lies are image ads, where for example cigarette smoking was first associated with clean mountain air or masculine cowboys. There is no verbal lying here, but the deception is deep-seated. Most of the people on the planet, who every day choose to trade their hard-won emotional securities and family ties for mindless mechanized titillation, and then cower in their powerlessness because they are all so dependent on a technological system that encourages addiction to mindless consumerism. Most of us are hypnotized by fashionable commercial stills which castigate natural self-reliance as antisocial selfishness.

Maybe worst of all is the fantasy world created by our commercial mass media, led by the corporatist-owned major world media, which prohibit any discussion of human values relative to honest government and exacerbate our problems with so-called entertainment dominated by nihilistic and pornographically self-destructive scripts. The mass media are involved in systemic misrepresentation, not only through the ads they purvey but through suppression of certain stories that have news value. The mass media create an illusion that they reflect reality, despite gross distortions. Journalists know that most news is artificial, in that it is created by the agendas of top bidding news-makers, especially governments and corporations, but their awareness of the constructed nature of the news agenda is seldom acknowledged publicly. Television is perhaps the most deceptive medium because, from available footage, editors extract just a few images that are often quite misleading, such as shots of a few aggressive protesters at an otherwise peaceful rally.

Most of the modern occupations are built on half-truths and lying. Lawyers have been called serial liars because, as part of their job, they argue on behalf of clients who they know are guilty. The same dynamic occurs at the level of the state. Those who lie on behalf of the state are lauded, whereas lying for the enemy is the most heinous crime, considered traitorous. Arguably the greater the level of central control, the greater is the risk from pervasive deception. Chinese leaders knew of the disastrous consequences of the Great Leap Forward but persisted in their policy, imposing a system of deception; due to lack of free debate that would stimulate action, tens of millions of people died of starvation in the years 1959-1961 in China. Furthermore, the occurrence of this preventable tragedy was hidden for many years.

The physical and biological sciences are given massive funding, with little risk to elites, but social and behavioural sciences are not given equivalent

funding, for example to experiment with alternative political and social systems: power elites have resisted the growth of human sciences, correctly spotting them as threats to the status quo.

The greatest dilemma created by the steady saturation of this fog of stupor is that we can destroy human society without its knowledge and consent, whereas it is impossible to save modern man with his knowledge and consent because, in this age of all sorts of massive exploitation of man by man, all sorts of false saviors and false solution providers who always win with phony promises and sure betrayals have rendered humans as all sitting ducks and fully fit for market exploitations. And the worst part is that many of these artificial saviors and phony solution providers don't know they are not right. Further, the cognition capacity of modern man to understand wholesome truth has shrunk to such abysmal low that today the machine-like species has only highly compartmentalized, disconnected and 'narrow' mindset.

The fast shrinking human cognition capacity leads to the increasing incomprehensibility of truths and realities. The most pathetic reality today is that man is unable to understand as to what indeed is happening to him, as a species. Today, the problem is not the invisibility or the remoteness of truth and realities but the growing limitation of human mind to see them. As windfalls, truths and realities are writ large everywhere in Nature today. In the past, the natural wholesome human mind – of primitive human – was capable and magnanimous enough to recognize the complex truths and realities. Today, due to the highly mechanized human mind, with his highly compartmentalized, linear and single dimensional visions, modern man is unable to recognize the wholesome truths and realities.

Psychologists have not yet addressed the dilemma of the mechanized mindset, a modern-day phenomenon that is prevalent in almost 95% of human population today. Edmond Freud studied the complex human mind when modern human mind was in a violent state of transmission or conversion, from natural or organic mindset to mechanical or synthetic mindset. But his study mistook it was only the general human characteristics, that is, presuming it the same since thousands of years before. Thus modern psychology is obsolete and an aberration that is as momentary as Marxism.

The problem with the truth is that only truth can understand truth. The world today tells us all the untruths and unrealities only because it is helpless to understand truths and realities, let alone reveal them. The problem today is such complex, widespread, confusing and global that modern man, with his compartmentalized, linear and mechanical mindset, just cannot identify it, let alone generalize it.

Having been mechanized to the brim, modern man represents only less than 5% of what the real man was for millions of years. Today man studies only what he can truly understand – that too, just mechanically. It is highly injurious to preach what we really cannot practice. For modern man, it is not only useless to study the past wisdom and other histories but also they are

highly misleading for him in the present context. Here, I am not finding fault with the wisdom in the past. I am only saying that modern man is largely unfit to study and understand the highly wholesome wisdom and truth of the past, of the pre-modern man, of Nature itself, when he is not even 5% of his original, natural species that lived for millions of years in the past. Today such past things are highly incomprehensible for modern mechanical man.

This only indicates the extreme stage of unfitness of modern man to live in Nature. However, man is not indispensable for Nature, unlike Nature is for man.

Dysfunctional leaders and the era of “gesture politics”: Can any doctor ever remain tight lipped about the basic cause of a disease, especially when he himself and his children, let alone the mass of people at large, are fast turning out to be the victims of that disease? But this exactly is what the present leaders of the world are doing to themselves and to their countrymen when they remain tight lipped about the real cause of the catastrophes that are befalling mankind, including themselves, today.

Perpetually confronted with catastrophic problems and becoming desperate, for example, by continually finding poison everywhere – in the water we drink, in the air we breathe, in the food we eat, in the environment (for example, radiation-ridden) we live – apart from other pestering problems, we naturally end up with no option other than looking towards our leaders for the immediate relief.

Now let us examine what our leaders, who are supposed to regard politics as a vocation and as a means for building up society for the common good, do today. Today most people wonder as to where have all the leaders gone. There are no leaders with the vision to overcome conflicting self-interests and personal prejudices; leaders who operate from a vision that influences others – either for good or bad. We know that the truly great can shape events that will permanently change the course of history. When we look around where do we see the leaders who can measure up? Where are those leaders whose courage and conviction literally saved a whole people, whose determination changed the course of history?

As things stand today, in a state of fast creeping societal degeneration, most of our politicians don't see politics as an area of great importance for promoting justice, fairness, humaneness, development and community among all. They see politics as something one can use to gain fame, wealth and power. They see politics as a job for earning a living, allowances of all sorts and other personal material benefits. And for this reason their participation in politics is not propelled by noble values or sentiments.

We have looked into our dysfunctional governing institutions for leadership and directions, without understanding that, in their present form, this is not possible. Their operational premises, and the beliefs of their minions, not recognizing and completely ignorant of the nature of existence, make our institutions the least likely source of direction.

Our institutions have foundation premises born out of ancient ignorance and superstition. Regardless of the progress they make, these systems maintain fundamental ideas that generate misdirection and hold humanity bound and helpless in the throes of institutionalized dementia. Now let us examine the latest development in this respect.

Close on the heels of monumental failure of the much haunted first “*Earth Summit*” in Rio de Janeiro in 1992 which was attended by over 118 presidents, prime ministers and kings, among other world leaders, celebrated experts and top scientists, the 2010 assemblage of world leaders at Copenhagen for finding immediate solution to the globally frightening crises, like global warming miserably failed to deliver a legally binding deal that will begin to reduce the world’s greenhouse gas emissions that are the cause of catastrophic climate change.

“Collapse at Copenhagen”, was how meaningful observers concluded. There’s nothing even close to binding limits on CO₂ emissions, the agreement would be toothless and meaningless. The weakest global politics ended amid deep unease about the world’s ability to rise to key 21st century challenges. President Barak Obama’s plan to deal with Brazil, China, India and South Africa failed because none had a plan to deal with humans in their respective nations. Can the world leaders, let alone Obama, get anything done?

As most leaders resort to the risk-free “gesture politics” – an empty pledge given solely for effect, which the politician has no hope of honoring – one could not expect better from these leaders on how they want us to fight climate change. Kyoto was the first step; Copenhagen was supposed to build on it but the reality is that we have yet to start the first.

Onset of massive degeneration: How do we know that society is sick or the planet Earth is sick? The sickness of society or the planet comes to our notice only when their symptoms come through the inhabitants like the living species or the vegetations of the planet.

The fruits and vegetables of trees and plants have lost taste and nutritional value. Animals, including humans, are increasingly disease stricken, weak, and otherwise unhealthy. Humans seem to have lost their general sense of well being, leading to an increase in depression, suicides, crime, violence, sickness, and other social and physical ailments and have become increasingly lethargic with shortened attention spans.

During the last 25 years that I devoted to this study, I have gone through huge files of information about the various civilizations. I compared these facts in order to find common denominators which might lead to a solution. I also took into consideration such factors as man’s environment, his nature, and the persistence of certain patterns in the behavior and characteristics of humans, animals and their effects on society and environment.

Thus I found that the development of degeneration or parasitism has been a definitive factor in the fatal diseases, which befell human civilizations.

The study shows it as a prime cause behind the fall of many empires. Thus the SOCIAL THEORY OF DEGENERATION in human civilization must be staring us in the face for at least the past two generations.

There are hundreds of works about the medical aspects of degeneration, especially, of mind, but none about its equally serious socio-economic effects on civilization. Cancer, for example, is the most preventable of all diseases! Here I am referring to the cancer affecting not only human body and mind but also the cancer affecting the modern SOCIETAL BODY and SOCIETAL MIND. The ramifications of this THEORY ON DEGENERATION, which I am expounding through the coming chapters, indicate that it can be immediately useful, and profitable, in the areas of sociology, government, and history, both for the professional scholar and for the layman. The formula recommended in this book does not cure cancer of the body or of the social body per se, but it does handle the problem that causes the problem. The science of all that causation is here. It eliminates the sequence of problems, and eventually the cancer of human body too is cured.

Today, when the world has suddenly caught the spiral of apocalypse and finally realized of the fact that we're closing in on The End – ecological death, economic death, social death, cultural death and spiritual death – how does this situation make sense? Much of it shows only the impermanence of the works of man, and for the simple reason that it soon becomes clear that our world would carry on regardless of our indifference to our demise. For example, after biological or ecological breaking points burst the natural world will cave in on man. The disappearance of humanity will be very dramatic and destructive. The first thing to happen, among a few apparent ones and many unknown crises, is the case of the world's 441 operating nuclear reactors, in that the emergency fuel supply to the diesel generators that circulate cooling water around the world's 441 operating nuclear reactors would run out. After that, the reactors would overheat, burn, melt and in some cases explode. Several hundred Chernobyl like disasters would play out, simultaneously, across the deserted world. Huge quantities of radio-active material would be released into the air, rivers and oceans. Certainly, after a few decades, planet Earth would probably heave a sigh of relief at the passing of the erratic human species, as a spectacular environmental recovery would begin to take place. Quickly, the oceans would cleanse themselves; similarly the air, the streams and the rivers. In a remarkably short time, Mother Nature would reassert herself over her old dominions.

The basic problem is that modern humans have no comprehension of true reality. It is apparent that the topmost problems that mankind faces today are generated not due to the shortage of knowledge but by the superfluity of mechanical knowledge and its subsequent degeneration. Do we really need all the information and knowledge that we have today? Mankind lived for millions of years – for almost 99.9% of this species period on earth – without books or even without writing.

The invention of writing has been a very recent phenomenon in the evolutionary timescale – approximately in 500 BC when the first use of ideograms began. Modern society doesn't think of hunter-gatherers as well educated, but in fact they were all very well 'educated' to living in the natural world. Most other animals, including the pre-modern humans, knew a better way to live, and didn't need sophisticated language or technology to do so. When you put all information and knowledge that modern society generated in a very short span of a few hundred years together, we have an explosion of information and knowledge. Today mankind is being held hostage by a battery of information which threatens to exceed its ability to manage. Mankind seems to be burying itself in the avalanche of the modern information and knowledge explosions.

The specific difference of man is that man, although being an animal, is distinguished from other animals by his capacity to know. It is man as knower who has been lost. This might seem a paradoxical statement at least, since the glory of modern man is the modern scientific method, which provides him knowledge undreamt of by the ancients, knowledge that modern man feels that it gives him a decisive advantage over the ancients. But modern scientific knowledge is a peculiar thing. It is knowledge that can exist without a knower.

The ancients spoke of poets, artisans, geometers and philosophers, all of whom were men. The modern man speaks of art, philosophy, mathematics and science, which are not men but abstractions. The student in ancient Athens traveled to Plato's Academy to become a philosopher. The modern student goes to school/college to study philosophy, which is not quite the same thing as becoming a philosopher. Here abstract reality is pitted against the steadily obscuring natural reality resulting in the failure of natural reality. We moderns see no necessary relationship between philosophy and the philosopher, math and the mathematician, science and the scientist. In general, for modern man there is a gap between knowledge and the knower, and into this gap man has disappeared.

Modern world perceives truths and facts the way modern science describes them. But the description is not as the described. Jiddu Krishnamurti said: "I can describe the mountain, but the description is not the mountain, and if you are caught up in the description, as most people are, then you will never see the mountain". Science understands only the surface of the verifiable seen or unseen matter and even then it can understand them only very partially.

Mathematics or, for that matter, modern science is only "true" within arbitrarily narrow and very limited conditions, and life is rarely like that for very long. But what is the importance of modern science in the realm of the long evolving human knowledge process? Modern science is just one among thousands of other options for the cognition process open to mankind. According to the greatest of scientists, Albert Einstein, "Even with our science and all its 'progress', we still do not know one thousandth of one percent what Nature has revealed to us." This only reveals the utter fallacy of modern man's pettiness in claiming to control Mother Nature of which he is only a temporary

cell-like being – like a seasonal leaf which the tree (Nature) periodically shed. “I do not know what I may appear to the world, but to myself I seem to have been only like a boy playing on the sea-shore, and diverting myself in now and then finding a smoother pebble or a prettier shell than ordinary, whilst the great ocean of truth lay all undiscovered before me”, wrote the greatest pioneer of modern science, Sir Isaac Newton.

Modern science ignores emotions, feelings, psychological states, forces, powers, and ultimately the spirit’s function in the workings of life in the universe. It misses the habits, attitudes, emotions, sensations, intentions, inner forces, will, and other higher mental and spiritual formulations of individual and collective existence when developing its conclusions about how life works. The intricate web of these forces is what enables the movement, patterns, and formulations of life; as opposed to only the measurable verifiable, provable material matter, seen or unseen. In essence, science ignores life in the name of verifiable facts of matter. Thus it misses out on 95 to 99% of the functioning, laws, and principles of existence. In practical terms, modern science is filtering down to be an ideology of self-delusion and self-destruction.

Thinking outside the box

The highly mechanized modern civilization is a closed society. Here we think too small – like the frog at the bottom of the well. The frog thinks the sky is only as big as the top of the well. If he surfaced, he would have an entirely different view. The key to success is to risk thinking unconventional thoughts. Convention is the enemy of progress. A great many people think they are thinking when they are merely rearranging their prejudices. Human mind prefers to be spoon-fed with the thoughts of others, but deprived of such nourishment it will, reluctantly, begin to think for itself – and such visions are original thinking and may have valuable results.

A true free-thinker can interpret his/her surrounding circumstances without prejudice. He understands the fact that there are good and bad in all ideologies, and some are better than the other, but none is complete or perfect. Ideologies came from human imaginations, and they all have inherent limitations. If someone can realize this simple truth, he/she will become a free-thinker in no time. Therefore, the criterion for becoming a free-thinker should be: the ability to think outside the box.

Free-thinkers should depend on solid arguments for their thoughts, even though they may go against the established norm or ideological belief. This may require a special mental quality/power. The most essential ingredient of a free-thinker is to admit that all ideologies have limitations. Free-thinkers should be able to criticize their own ideology or belief-system. Once someone is capable of doing so, his/her mind will be free like a bird. The goal is to set our mind free by burning our ideological barriers.

Bell’s theorem has proved that the universe is a stupendous hologram where each part is interconnected with the rest of the Universe. Karl Pribram,

a brain researcher and a neurosurgeon, says that brain's deep structure is essentially holographic. Each brain cell is a miniature brain itself. So is the Indian Vedic statement that each soul is the manifestation of Brahma. Karl Pribram continues, "What if the real world is not made of objects at all? What if it is a hologram?" These statements have raised deeper questions like who was looking through this hologram and who was looking at this hologram? Who was running the brain computer? "Was it a ghost in the machine?" enquired Arthur Koestler. Who interprets the hologram? Has the modern analytical scientists got any right answer?

"Consciousness," said Max Planck, "I regard as fundamental. I regard matter to be derived from consciousness. We cannot get behind consciousness. Everything we talk about, everything we regard as existing postulates consciousness." Wolfgang Pauli wrote, "From an inner centre the psyche seems to move outward in the sense of extroversion, into the physical field." Indian Vedantic Philosophy believes that it is our consciousness which creates the world outside. Swamy Vivekananda elaborates this, "All senses before us are projections of our intellectual activation by the presence of our consciousness. The only seer is the self – the pure consciousness – inside us."

Pribram admitted that this holographic concept of a Holistic Reality was first given to the world by Eastern philosophy. He said, "Eastern philosophy has come into Western thought as in the past... whether it will stick this time or we will have to go around once more will depend on you. The spirit of the infinite could become part of our culture and not a little far out."

Swami Vivekananda had said a century ago: "This mind is a part of the Universal mind. Each mind is connected with every other mind, wherever it is located, is in actual communication with the whole world." in his famous Madras lecture he had said, "One atom in this Universe cannot move without dragging the whole world with it." Swami had also said, "One man contains the whole Universe. One particle of matter has all the energy of the Universe behind it."

Foreseeing the appalling and imminent dead ends being brought out by the soulless analytical science and technology, and supporting the holistic view of the universe, Karl Pribram said in 1977: "This is science (Holistic) as it was originally conceived in the pursuit of understanding. The days of the bold hearted technocrat (of analytical science) appear to be numbered."

The challenge which modern society faces today involves the creation of a new worldview that will enable us to rediscover our connections with the natural world. From the days that reach back to Rousseau, our need for a truly human and ecological civilization has never been greater if we are to rescue our planet and ourselves.

If we, decisively and collectively, once and for all, succeed in breaking out of the cynical circular thinking that preserves the undemocratic socio-economic power structure of the 21st century's global village, this will produce an unprecedentedly profound revolution in human condition, and lead us directly to the next giant step forward in the evolution of human consciousness.

Man can live only by his true consciousness. But we'll never get to a higher understanding of consciousness if we remain "experts", limited to our tiny alcoves of knowledge. To really function as intelligent members of a race that has been advertised as "advanced," we must expand not just the *depth* of our knowledge but the *breadth* of our understanding.

And that, of course, means understanding the interconnectedness of our being-ness. It is the interconnectedness that really matters, quite literally. It's in the nature of popular movements to prevail by force of numbers. And considering the opposition it will have to prevail against, the movement to reach a more humane plane of human society needs as many friends, supporters and dedicated activists as it can get.

If we really want to resolve the dispute of what is natural for human beings, what better way than to actually go back and look at what we actually did in prehistory before we supposedly became corrupted by reason to go against our own instincts? As a species, we are higher primates capable of dazzlingly complex thought. Our collective intelligence is both extraordinary and infinite. "*The universe is full of magical things patiently waiting for our wits to grow*", wrote Eden Phillpotts.

Note: Due to the constraint of space in this print edition, some parts of this chapter under of the following subtitles may please be read in the e-book edition of this book (soon to be published):

- Fool's Paradise — Collective Stupidity at its Vituperative Best
- Multidimensional Eco-Crisis: Crisis of the External as well as the Internal Environment, the Physical as well as the Mental
- Golden Era
- Market, Religion And Science and the Birth of Fictitious Modern Society
- Modern 'Technical' Solutions: Solution by Denial
- Unity versus Duality
- Dysfunctional Society and the Swelling Degeneration
- From Multi-Dimensional Organic Species to One-dimensional Mechanical Being
- Vision beyond Civilization
- Modern Society is an Aberration
- Modern Science at the Crossroads
- From Biosphere to Technosphere to Virtual World
- The Big Crunch
- We are All Equidistant from Death, Whatever the Causes, Whatever the Contingencies

CHAPTER 2

SWEET-POISONING AND THE SELF-EVOLVING RACKETEERING

As the world tries to solve the catastrophic problems of mankind, what is crucial to solution is defining these problems correctly. Thus the endeavor here is to trace and dig out the origin of these problems which may be small omissions or faults in the past that helped to turn us as the massive customers of certain SWEET POISONS—SWEET LIES and HALF-TRUTHS.

Sugar is proved to be a slow, addictive sweet poison that kills millions every year through obesity, diabetes, heart attack and other degeneration diseases. Aspartame and Neotame that are developed as artificial sweeteners and as substitutes for sugar are found to be more poisonous.

Today many people regard religion as a more lethal sweet poison than any poison known to humankind. Modern science that was developed to counter the ill-effects of religions proves to be not only the most lethal sweet poison (opium) of all but also is proving to be the breeder of millions of various other sweet poisons in the forms of numerous chemical products.

Sweet poison is like the proverbial ‘forbidden fruit’. As man becomes the customer of one sweet poison, sweet lie or certain half-truth (anything immediately pleasant, gainful, tempting, supportive, and the like, but with invisible addictive and toxic consequence later) he automatically becomes an agent of a sort of mechanical RACKETEERING

that goes on self-propagating and SELF-EVOLVING. Here modern science itself is a typical model of sweet poison: though it is capable of providing many instant solutions to our problems, the solutions themselves are turning out to be the causes for generating not only more number of problems but also the problems themselves are ending up far more serious than the problems initially solved. Growing like a pyramidal selling scheme, this self-propagating and self-evolving racketeering broadens man's customer-ship to more and more associate sweet poisons. As man became accustomed to slow, addictive sweet poisons by degrees, largely over the last couple of centuries, he has now reached his superlative stage with saturations of various poisons.

Our technosphere is the superstructure built with millions of sweet poisons that are more poisonous than sugar, cigarettes, religion and so on.

I am especially grateful, however, to have known the fifties, before we began to poison our own civilization - or at least before the effects of the poison began to be felt.
~ **ORSON SCOTT CARD**

Happy is he who can trace effects to their causes.
~ **VIRGIL**, the Roman poet in BC

The sin punishes itself.
~ **SWEDISH PROVERB**

Advertising is a valuable economic factor because it is the cheapest way of selling goods, particularly if the goods are worthless.
~ **SINCLAIR LEWIS**

Corruption is worse than prostitution. The latter might endanger the morals of an individual; the former invariably endangers the morals of the entire society.
~ **KARL KRAUS**

Individually there has developed a widespread feeling of helplessness and despair, in the face of what seems to be an overwhelming mass of disparate social forces, going beyond the control and even the comprehension of the human beings who are caught up in it.
~ **DAVID BOHM**

The road to hell is paved with good intentions.
~ **JOHN MILTON** in *Paradise Lost*

Today, when the makers, runners and maintainers of the present hi-tech world, namely the scientists and experts, say that humanity is very much close to extinction, we are all fatally worried, not only about our safety and future but also more about that of our children. Actually we are supposed to live in future through our descendants.

“Your descendants shall gather your fruits”, Roman poet *Virgil thus reminded us back in BC*. But, what are the types of ‘fruits’ that we are leaving for our future descendants to gather? Well, presently, apart from rendering most of the air, water, soil and the like of the biosphere very much poisonous, we are also leaving, among the thousands of types of other cataclysm, over 450 highly catastrophic nuclear spent fuel tanks kept under water sites worldwide that we have in store for our future generations. (The highly radioactive nuclear spent fuel dumps across the globe that require continuous cooling for thousands of years – any failure in continuous cooling can set the fragile planet in radiation ‘fire’ for several years – is a mortal reminder that is no less ominous than other cataclysms like the fast spreading genetic pollution. Many such ominous scenarios of our ‘progress’ are being explained in the coming chapters).

If *Doomsday Preppers*, the highest-rated show on the National Geographic Channel is any indication, the general public seems to be getting ready for some sort of societal collapse. Today even many well-respected scientists and journalists have come to much sane-sounding and obvious conclusions about the threat, like human-induced climate change, poses to the survival of human species.

Why are we the way we are? Why has modern man’s world taken an abrupt break with its millions of year-long evolution? Why is science swamped by its own artifacts? Why has our technology surpassed us? Why does modern man indulge in such kind of life, which he calls modern lifestyles, that literally amount to torturing himself, at times, to breaking point? How long can we sustain a hedonistic, degenerative and celebrity-worshipping culture that goes on unabated in vanity fares and other consumerist publicity stunts by the corporate leadership? What actually is the problem with the modern humans? Has humanity failed the test of life?

In my long attempt to answer the above questions, I am highlighting, through this chapter, certain basic premises which I have taken up for this study and which largely shape its conclusions. Here, I am looking on all topics and questions of mankind within and beyond civilizations and history, and which also include visions that may defy conventional, agreed-upon categories of the knowledge industry.

As for the period of modern industrial age, it accounts for only less than a split second in the twenty-four hour time-clock of millions-year-long human evolutionary period that is taken as a full day. Now, to be precise, at the start of the modern industrial age, certain vital mistakes or errors that man has made are now coming to a head, like little slips leading to big disasters, threatening the imminent extinction of mankind itself.

Today mankind is suicidally trapped in some sort of a SELF-EVOLVING RACKETEERING. It almost seems that the whole mankind has long been under the total spell of this highly invisible, incomprehensible and sophisticated sort of what may be generally described as a self-propagating and self-evolving racketeering type of mechanism, the main perpetrators of which is not humans but largely their ignorance, helplessness or optionlessness, and the origin of which may be from their own small mistakes or faults in the past.

In the present modern society, everybody endeavors to live at the expense of everybody else. Here, in our quest to escape from being caught by our own small sins or faults that we employ to exploit others, we get no time or energy to understand the greater sins and faults we are committing against ourselves. This 'natural' development and 'progress' go on in support of further development into their next generation sins and evils, which we again portray as 'growth' and 'progress'. Thus, in the long vitiation process, the basic problem or the first fault always escape detection and stay buried in history. The endeavor here is to trace and dig out the origin of these small sins or faults.

Today, what actually we mean by racketeering. In a highly corruption-ridden and sophisticated world, it is quite natural that we become victims of many kinds of swindles and other rip-off ventures most of which may be generally described as racketeering. In legal terms, racketeering refers to conducting social dealings, or business activities in an illegal manner or by using illegal means. Sometimes the entire business itself is illegal, such as drug trafficking, child pornography, or human trafficking. In other examples, however, the business itself may be legal, but the tactics or practices used in the business are illegal, such as extortion or money laundering. There are a number of crimes that may be part of an illegal enterprise, such as loan sharking, theft, and embezzlement, as well as bribery, counterfeiting, and kidnapping.

And then there is the 'white-collar' racketeering. The phrase "white-collar crime" was coined in 1939 during a speech given by Edwin Sutherland to the American Sociological Society. Sutherland defined the term as "crime committed by a person or an institution of repute, respectability and high social status in the course of his/its line of work." Although there has been some debate as to what qualifies as a white-collar crime/racket, the term today generally encompasses a variety of nonviolent crimes usually committed in commercial situations for financial gain. Many white-collar crimes are especially difficult to prosecute because the perpetrators use sophisticated means to conceal their activities through a series of complex transactions. The calamitous fall of Enron Corporation was a scandal, indeed a typical white-collar racketeering.

Then, we all know that there are many 'legal-looking' or government sanctioned/sponsored racketeers and other conspiracy theorists and their master outfits like the mushrooming 'think tanks', CIA, KGB, MOSSAD, the globally wide military-industrial complexes of diverse super powers, the terrorists and so on who may be considered as the god-fathers and protectors of most top level government sanctioned/sponsored racketeering and other conspiracy theories.

Here, what actually trap us into these types of racketeering is what is called SWEET POISONS - anything that is immediately pleasant, gainful, tempting, supportive and the like, but also has, like a bait, some invisibly addictive and toxic consequence later. Purely white, deliciously sweet and nutritionally useless sugar is what we take in the morning, in the evening, at supper time. As a chemical, sugar is poison for the body and the cause behind numerous ailments. We're addicted to its taste and find it impossible to avoid. This kind of bait or inducement (sweet poison) can also be the one purposely catapulted and laid by individuals or systems for exploitation/swindling, or the ones which are generally automatic and tailor-made to the prevailing civilization/culture.

Well, the subject of discussion here - as a self-propagating and self-evolving racketeering type of mechanism - is about an entirely new type of racketeering the baits or inducements (sweet poisons) of which are the ones which are generally automatic and tailor-made to the prevailing civilization or culture. The topic is based on the concept that when we are tempted to adopt an idea or consume a mechanical device or product, as a solution to a problem, it inevitably leads to the creation of two or more problems in future for which we will have to use more devices or products, and this self-propagating and self-evolving racketeering type process goes on cascading as in a the multi-level marketing pyramid, that the whole mankind of the present industrial civilization is inescapably linked at different layers of this grand pyramid.

Further, the dimension of this new type of racketeering has incidentally put even the god-fathers of conventional racketeering or conspiracy theorists like the global 'think tanks', CIA, KGB, MOSSAD, the terrorists and so on, as not only trivial and inconsequential but also as its helpless victims. This undoubtedly means that the present leaders of the world, and their minions like the globally wide military-industrial complexes, the global 'think tanks', CIA, KGB, MOSSAD, the terrorists and so on too are the pathetic victims of this centuries long self-evolving mega racketeering, thanks to the high invisibility and incomprehensibility surrounding it.

What if you suddenly come to realize that you have long been the pathetic victim of the worst type of racketeering in history, and that it is largely invisible and incomprehensible even to the present leaders of human society, and the highly tyrannical effect of which is such successful that it even shaped your present world views in such a way that you no longer look upon it as anything abnormal or unnatural - let alone it as anything racketeering - but as your genuine and favorable condition or natural environment.

Racketeering becomes racketeering only when it is exposed. And a racketeering gets exposed only when something more powerful exist outside the racketeering which is contrasting it. When the global leaders become the chief beneficiaries of this racketeering, and when its racketeering features are largely invisible and incomprehensible to them, then this racketeering no longer gets exposed and it is no longer any racketeering, particularly when it has long established its credibility as the most genuine and legal to the extent that it has become the sole authority in giving accreditation, like conferring Nobel Prizes, to people in the world.

Here this self-propagating and self-evolving racketeering can also be likened to a disease. Even otherwise, we know the fact that every sweet poison indeed is like a self-propagating virus or parasite. For example, religion is a form of self-propagating mind virus and sugar is a form of self-propagating body virus. But a disease appears to be a disease only to the affected person, especially when the affected person is aware of it. Now consider as to what this disease amounts to the very virus or parasite that is spreading this disease. For the virus and parasite, the development is not any disease or malady at all; rather the disease is their achievement or progress. The progress of a disease is indeed an event of celebration for these viruses or parasites.

Now, even as the prevailing Industrial Civilization is presented as a self-propagating and self-evolving racketeering, we have today two contradictory entities or phenomena coexisting: Industrial Civilization as a self-propagating and self-evolving racketeering to mankind and Industrial Civilization as a self-propagating and self-evolving DISEASE. Here, modern humans are its viruses or parasites that look at the progress of this 'disease' (Industrial Civilization) as their progress and success which are creditable achievements to celebrate!

Incidentally, many well-meaning statesmen and thinkers have compared Industrial Civilization as some sort of a disease by branding the industrial diet and lifestyle as the so-called diseases of civilization. On Western Civilization, Mahatma Gandhi wrote: "The fact is that this industrial civilization is a disease because it is all evil". Again many have found modern humans as the "Cancer of Earth".

Accepting humans-as-cancer concept comes easier if one also accepts the Gaia hypothesis that the planet functions as a single living organism. Alan Gregg pioneered the diagnosis. Jerold M. Lowenstein, professor of medicine at the University of California, San Francisco, has written: "We are infecting the planet, growing recklessly as cancer cells do, destroying Gaia's other specialized cells (that is extinguishing other species), and poisoning our air supply....From a Gaian perspective... the main disease to be eliminated is us" (Lowenstein 1992).

From being dependent only on Nature to be the multiple dependent on many systems in modern age: Let us view the story of human dependency through another angle. Being part and parcel, and as the offspring of Mother Earth and Nature human species was evolving as free living organism on this planet since millions of years and was dependent only

on Mother Earth (Nature) and not on anything else. However largely since 'developed' civilization (industrial civilization) began to appear and making its impact on its subject, human species started to become further dependents on his own tools like science, religion, government and a host of other chain of command all of which themselves, being the tools of humans, are primarily dependent on Mother Earth or Nature. Here the tall claim of modern science and religion as being above Nature or Earth or as being the controllers of Nature or Earth are all pure bunk, even logically and spiritually. Thus modern man, being now the multiple dependent, is at a greater disadvantage than the rest species and the pre-modern humans that were only single dependent or had to depend only Mother Earth or Nature.

And it is here the self-propagating and self-evolving racketeering comes to the relevance in that it achieved this 'rare feat' by systematically putting humans and his immediate environment in what we call the 'second nature' or technosphere through the helps (racketeering) of tens of thousands of sweet lies and sweet poisons.

In claiming to control Nature, modern man has come under the strong spell of Collective Stupidity: Uncreated, without beginning, immortal, infinite, eternal, creative, just, enlightening, immutable, uncircumscribed, immeasurable, unlimited, undefined, unseen, unthinkable, wanting in nothing, being in its own rule and authority, the infinite intelligence of Nature is the great causative power of the universe. Here modern science, that claims to recognize most fundamental truths and laws of Nature and thus has come to control Nature, is itself the result of what they call the collective intelligence of modern man who is simply momentary, finite, mortal, and extremely insignificant compared to the magnanimity of Nature. But, as I perceive this 'scientific' outlook of modern world, I cannot find anything more childish than this crazy, monstrous claim of modern science which is the clear example of the collective stupidity of modern humans.

Is there any single one of the so-called scientific truths that has stood the test of time? None of the 'established' theories have lasted even a few decades before they were proved false, one by one. Even the stone of millions of years of lifespan that is lying under the feet of the smartest scientist has to tell a more valid story than the truth of the scientist whose maximum life span is an average 80 or 90 years. And Nature has bestowed man only a miniscule of intelligence, just to cover his mortal, extremely limited and momentary lifespan compared to the infinite, immortal magnanimity of Nature. Even trees — the Swedish spruce trees or the American pine trees — are standing taller and longer on truth since thousands of years. The oldest Swedish spruce tree is 9,550 year old and it will tell a more realistic story than the 'scientific' man. Further, man is only just one among the millions of species on earth and his life span, as a species, is a few million years which is much insignificant compared to the life span of Earth which is hundreds of billions years or, simply infinite. No

wonder the truth that man claims to know too is simply momentary, finite, highly mortal, limited and insignificant.

(More on Collective Stupidity discussed in *chapter 1*, under the subtitle, ‘*Global Brain*’ Becomes the Worldwide Ruler, and in *chapter 11*, under the subtitle, *Immature Society Promotes Collective Stupidity*)

Self-evolving racketeering as a development due to Inverted Living: Some supernatural being does not have to punish us for our sins while we are on the Earth because sin punishes itself. A thief thinks everyone around him is a thief. Through himself he knows others. He presumes others are like himself, including when it comes to bad characteristics, and tries to compete and outshine in the game.

Life in modern industrial society can logically be described as revolving on the reverse mode of the original life process which mankind practiced before, since millions of years when even variation or changes occurred only minutely and that too over a very long period of intervals. Actually, life is not happening to humans largely since the beginning of industrial revolution. It has been all fits and starts, only to take its direction of ‘evolution’ right to on the reverse mode of living.

Most of Charlie Chaplin’s movies, especially *Modern Times*, clearly depicted life in a pervert, unnatural and degenerative mode which the great show man of all times suggestively attributed to the sudden advent of industrial civilization. Chaplin was accused by his second wife as “abnormal, unnatural, perverted and degenerate in his sexual desires”. Marlon Brando maintained that Chaplin was “fearsomely cruel” and “the most sadistic man I’d ever met”. Chaplin’s role as the serenely guiltless serial killer in *Monsieur Verdoux* was even more troubling for those who first warmed to him as a downtrodden, gallantly resilient victim. In 1923, cubist painter Fernand Léger described the tramp as “a kind of living object”, an emblem of life in the dehumanised modern city. *Verdoux*, who views the murder of his wives and his own execution with the same chilly equanimity, takes that description literally; he is, as Louvish says, a “machine-human”, the kind of automaton that lethally threatens Charlie in *Modern Times*.

Because he performed these antics silently, Chaplin has always needed eloquent interpreters who, like Simon Louvish, are anxious to explain the political or philosophical import of his pratfalls, dust-ups and manic rampages. As Louvish notes, writers early on volunteered “to fill the gaps between the public imagination and the enigma on the screen”. In 1920, the dadaist poet Ivan Goll wrote a tribute called *The Chapliniade*, in which the impertinent tramp challenges the prim bourgeoisie and announces “the communism of the soul”. Goll associated Chaplin with *The Iliad*, emphasising the epic violence of his films and turning the tramp into a warrior as infuriated as Achilles.

During the pre-modern eras, when humans were pure and natural, they were guided by their *primary human traits*. In modern era, these primary human traits, like will-to-power, generosity, compassion for the fellow being, creativity, diversity, uniqueness (individuality), tolerance, mercy, large-heartedness, understanding,

impartiality, non-prejudice, un-opinionatedness and so forth are fast on the wane. And their places are being taken over by the secondary human traits (largely reactionary and degenerate human traits) which are just the reverse of the primary traits. They are intolerance (today it is reportedly at the zero level), pre-possessedness, bias, partiality, non-understanding, un-forbearing, provinciality, passivity, illusion, virtualization, reaction, narrow-mindedness, pettiness, bitterness, fanaticism, simulation, cut-throat competition, expertise, uniformity, standardization, compartmentalization, professionalism, mechanization etc. Today no one trusts anyone anymore. People increasingly are quick to get offended, thin-skinned, and have no conscience about committing wickedness. It seems that everyone is worried about being sued these days, increasingly having doubts about even neighbors and wondering what criminal may be lurking nearby. Most of these people are inflexible and you can't tell them anything these days.

Now, when we look at the long history of humanity, we will soon recognize that this drastic reversal of human life process is basically about the relationship between the two most complicated systems on Earth - human civilization and Nature. With modern science suddenly taking over the control of Nature from the millions years long control by Nature, what has happened was no slight change but a sharp 180 degree turn or just the reverse process of the man's equation with Nature.

Man is just one among the millions of species living since millions of years on planet Earth. For almost 99.9% of his period on Earth, mankind lived as hunter gatherer or as tribal. It was only towards the fag end of this period, precisely since the last 5000 years, that it began to live by means of what we may call civilization which is none other than some sort of mechanized - artificial - lifestyle. However, it was only since about the last 300 years that his life began to evolve and 'progress' exclusively depended on mechanization and it has brought about vast radical changes in human life that suddenly looks just the reverse of how man lived for almost 99.9% of his life on Earth before. And modern man achieved this rare 'progress' by detaching, arresting and splitting life forms of holistic Nature, and designing and inhabiting a world of his synthetic nature, indeed a 'second nature' (*Chapter 5: Technosphere, the Counterfeit of Nature*).

As some people slowly began to think of going 'independently' of the natural systems, and develop certain logic and mechanism for this purpose, the outcome was obviously just the reverse. The system they created for this purpose ended up reductionist, single dimensional, linear, non-cyclical, and isolating. This mechanical logic which is the crux point of modern analytical science and analytical philosophy was first developed by Francis Bacon. This point in history, in other words, can be considered as largely the opening point of the 'self-evolving racketeering'.

In reverse living, everything, including human thinking, is just on the reverse mode of evolution. The sum total of this book veers round to this conclusion. It is more or less summarized in the coming tables and charts like table 3(in *chapter 5*), table 4(in *chapter 6*) and in table 9 (in *chapter 19*).

Note: Now, in order to have a more detailed view of the composition of the technosphere and its narcissist effects – as the self-propagating and self-evolving racketeering – please read chapter 5 on technosphere, especially the following sub-titles:

- MATRIX, the great techno-trap
- Mass psychology in a controlling way
- Total ambiguity and unawareness of reality
- How industrial toxins entered the modern humans
- The largest uncontrolled and suicidal experiment in history

FROM LITTLE SLIPS TO BIG DISASTERS.... TO THE FRANKENSTEIN

How the self-evolving and the highly globalizing racketeering has changed and transformed the millions year long pristine and productive human life into a highly contaminated and unproductive mechanical life is discussed here. The endeavor in this section is to trace and short-list the original ‘small sins’ or ‘small slips’ that cumulatively developed to the self-evolving and highly globalizing racketeering.

For millions of years, human progress or evolution was Nature-directed (in biological terms) like that of all other species. Man as well as all other species literally existed as the fruits or products of Nature, and by feeding on Nature. And thus man, as the most intelligent of all species, walked the Earth for millions of years, to finally evolve as the “crown” of all creations.

From being part of Nature since millions of years, man has suddenly become part of the man-made mechanical systems since about the last 300 years which is a sharp contradictory development that has made sharp contradictory departure in the social and material aspects of most life forms on planet Earth.

It was towards the fag end of that natural evolutionary process, or with the start of what we call the modern era, man began to develop certain shortcuts in the process of his exploitation of nature with more ‘ease’ and with greater ‘returns’. We call the production process of these shortcut techniques of exploitation as MODERN SCIENCE and the sophisticated selling process of their products as ART or MODERN PHILOSOPHY.

Soon man-modern man-began to depend more in exploiting his techniques (means) and less on exploiting or feeding on nature. As his dependency on exploiting the means (techniques) led to the sale of these means or techniques to others, who were still feeding on nature, a stage soon developed, as a cumulative effect of this artificial process, wherein the expanding or increasing the members of this category of ‘others’, for selling and buying of products

and service (market) became a prerequisite which led to the total elimination of the nature-dependent productive humans

99% Buyer/Seller: For millions of years and also as late as up to the close of Middle Ages, man used to produce almost all his consumer commodities, all by the individual consumer himself. He had to depend only for less than one percent of his necessities on the market or middleman. Barely up to a couple of centuries back and for millions of years, 99% of people lived by producing almost everything of human wants, including food, by every individual himself. Today not even one percent of people produce things for his own-consumption. During the 99.99% of his period on Earth, spanning millions of years, man was living by individually producing most of his requirements with no MIDDLEMEN involved.

Today everybody produces things or becomes part of a mechanical process to produce things for selling to others to earn money so that he can buy things, from others, for his self consumption. Here the shocking fact is that while the actual producer usually gets only much less than 10% of the actual price of his product, the end buyer of this product, at some distant place, has to get it at an exorbitant price, as the long chain of middlemen with scores of 'sweet poisons' (sales promotion techniques) are pocketing more than 90% of the margin between the producer and the consumer. Further, another shocking fact is the end product becomes a poisonous commodity, especially if it is an agricultural product, in the long chain of 'value addition' and other product treatments in a series of 'sweet poisons' like dipping it in chemicals for preservation, packing, transportation and so on, before reaching the end consumer.

This process, while cheating both the actual producers and consumers, also, on a pyramidal scheme basis, bring profit to the market by artificially generating other related wants, like the market for synthetic medicines by generating illness among the consumers of these spurious products.

The fact is that in the technogenic model there is the law domineering – profit at any cost. The pandemic race for profits has made us prisoners or hostages of manufacturers' and sellers' interests. The easiest way to gain super-profits is cost reduction. The more synthetics in a product the lower its cost is. The longer the period of storage, the easier it is to encash the product.

The next question is: how dare they to feed us this stuff? How could this happen that we are surrounded with synthetics – and not only in the food alone– in everything?

Again, it is very simple: if the consumer mind is at a zombie level, you can sell anything to him. And he will believe that this is not only useful but crucial for his own health.

All this happen because manufacturers and retailers are a category of ill-intentioned people. In fact, the system forces them to act the way they do. And just like revolution devours its children, the children of the system are in its power.

Moreover, when the world fell into the crisis and then got stuck in a deep recession, the race for profits became even more acute. And now it is very much reflected in the quality of goods – and any goods, not just food. Any household item, from paint through to a bulb, contains cheap chemical components that constitute a direct threat not only to health, but even for life.

You would be surprised to know, on a detailed reckoning, that almost 90% of our problems are just myths and that 99% of our wants in the market are indeed un-wants or superfluous. Today man does not need almost 99% of products available in the market. Modern man is forced or humored into buying what he does not actually need; and he thus buys these by selling or spending his things and energy that he really needs for his more basic life functions. This world produces 99% of its things that are not only redundant for man or Nature but also are ending up as poisonous or injurious to Nature and man. And, in addition, this feat is carried out by destroying or poisoning what is essentially needed, like fresh air, fresh water and organic food and fertile soil. Here it is enough to conclude that “the fool (modern man) and his money (wealth) is soon parted.”

It is a fact that the whole world has been reduced to a big market and the business of man is ending up as his only business. And today, in the fully commercialized – and commoditized – world which has been in existence towards the last leg of human history, it is this less than 0.1% of human race – business people – who control the rest 99.9%.

But today, man depends on market or middlemen for not only 100% of his consumer items but also for such basic life-sustaining natural commodities like fresh water and fresh air. Being totally mechanized and thus degenerated to the brim, 99% of the present population is forced to do things just in the reverse order of how their ancestors used to do for millions of years. It will not be an exaggeration to say that almost 99% of what man produces today – which include his food and other products and services – not only end up as waste or what we call pollution but also that they end up recoiling on himself in the near future with more ravage force.

Modern man spends 99% of his energy and money that only go on working against him and his children, let alone against the whole human society and Nature. In creating money – synthetic wealth – he destroys the natural wealth without which, however, he simply cannot survive.

Today almost 99% of whatever modern man does turn out to be not only worthless and against society and Nature in near future but also against man himself, even if he is a middleman. That is, as modern human beings, we all – including you and me – are ending up doing almost everything against ourselves. As mostly a parasitic mechanical being, modern man is fast developing to be the terminator seed not only of mankind but also of almost all life forms on this planet.

Today, the single day that man lives on this planet pollutes it much more than what it used to be polluted during the total period when man lived for tens of thousands of years during the pre-modern era. Now, as the pollution

crescendo keeps building up on chain reaction through a million known and unknown sources and shapes, it can be safely concluded that either the planet is aging prematurely due to this vitiation process or nature is devising ways to get rid of this erratic, irritant species called modern man.

Thus almost 99.99% modern human life is indirect, negative, destructive, unproductive and thus unnatural ever since he started this vitiation process, largely since the Industrial Revolution.

And the world thus ended up in making the whole mankind to be dependent—no, not on nature—on each other, for selling and buying techniques of exploitation of man by man. In other words, modern mankind, despite being the long exploiters nature, became exploiters of one another or just the PARASITES of the same species. And the trend soon got mandated and globalized with the market getting the lead and globalization becoming the norm.

In perpetually living a life dependent on the exploitation of the same species and thus promoting collective foolery, modern man has come to develop techniques of foolery – and its arts and craft. This exactly is the science and philosophy of what we call modernism. Modern man works on dreams – sweet poisons which he calls ‘hypotheses’. This development has, at last, come to the saturation point and reached the end of the road. This is the chain marketing development that has reached up to the last man who, out of no other option, is looking for the next imaginary buyer to sell – lately in other planets.

Modernism as a ‘Miss World’ with HIV/STD: Any attempt to compare this awfully invincible, incomprehensible, self-propagating and self-evolving racketeering – call it, MODERNISM – to some familiar modern-day observable phenomena is nearly impossible, as this peculiar phenomenon happens to transcend all the social, physical, mental and spiritual sectors – concurrently. Yet, I am making a very vague attempt to match it up to a very beautiful and tempting lady with sexually transmitted infections, especially HIV/AIDS and willing to share bed with anybody who can happily carve up her emotions.

The beauty queen is so alluring and pleasure-giving (hedonistic) and her highly contagious disease being nearly unknown to almost 99% modern humans, that nobody thinks of anything else when attracted by her. Now anybody can engage her (modernism), own her and even duplicate her if he/she has the required qualifications.

Now, as a consequence of these contacts, the feature of the fast spreading or ‘progress’ of this virus of disease is pyramidal. As we all acknowledge, humanity is facing a global emergency caused by sexually transmitted disease, especially HIV/AIDS. AIDS is a pandemic of unprecedented pervasiveness, spreading to the furthest corners of the world.

Sexually transmitted infections are spread silently from person to person through sexual contact. These include more than 30 different bacteria, viruses or parasites. Others, such as HIV and syphilis, can then be passed on even further. This can also occur either through blood transfusions or tissue transplants,

or from a mother carrying the infection to her child during pregnancy and childbirth. The migratory tendencies of infected individuals in these areas further complicate rural life for people with HIV/AIDS. Globalization is the midwife to the pyramidal-like spread of this disease.

Left untreated, STDs can cause serious complications such as infertility and impotence and some may even prove fatal.

STDs are easily spread and maybe passed on before a person realizes they have the disease. Younger adults are at greater risk as they are more likely to have unsafe sex with multiple sexual partners. Some infections, such as chlamydia and HIV, may not cause any obvious symptoms. Conditions like syphilis can cause painless sores that can easily be missed. The virus that causes genital herpes also usually has few initial symptoms, so 80% of people carrying it don't know they've been infected.

Now, as I compare our self-propagating and self-evolving racketeering (modernism) as a very beautiful lady with sexually transmitted infections, especially HIV/AIDS, and whose indulgence with the modern people caused the pyramidal-like spread of the disease on a fast global level, the point I want to make is about the sudden physical and mental transformation of the affected global populace. Those infected by the STDs, especially HIV/AIDS have now become much similar, mentally and physically, a far cry from their once diverse, productive and pristine features since millions of years. Here they have been GENERALIZED by the infection of an INDUCTION agent, in the forms of STDs.

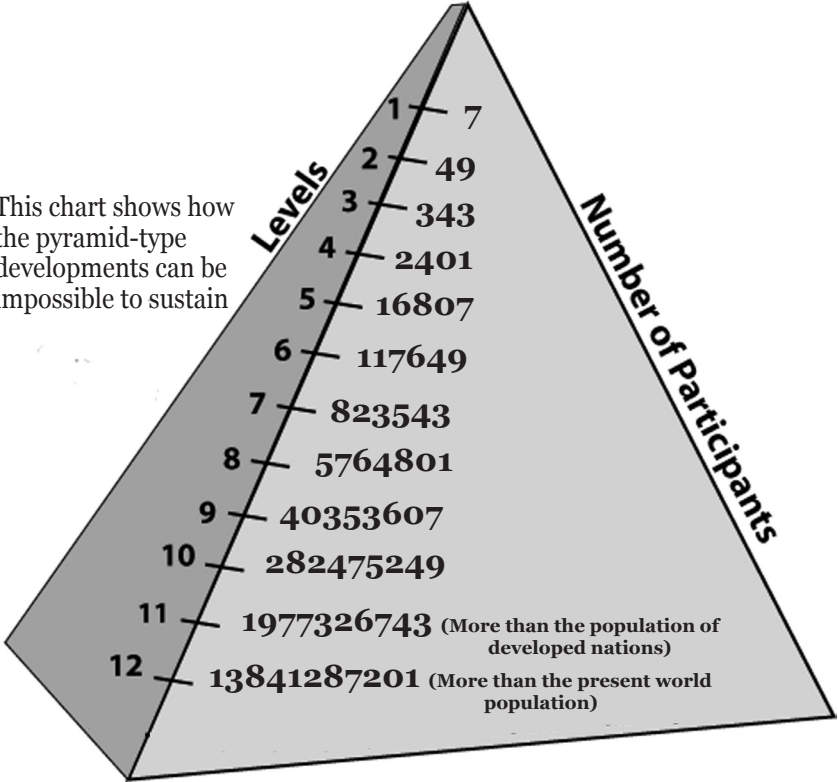
To be more clear, let us make another comparison of modernism (self-evolving racketeering) to the latest competitive concepts like pyramidal market schemes or the multi-level marketing net-works, in which sudden transformation of the globally wide participants (of this pyramidal spreading market schemes) renders them to become greedy parasites as the GENERALIZING of the INDUCTIVE products make them all similar, mentally and physically. Here the fast spreading participants, from their once diverse, productive and pristine features, become not only greedy parasites but also unproductive and sick.

Pyramidal development, pyramidal society and pyramidal fall

Modern society today is tightly wrapped in pyramidal schemes. Induction is pyramidal. The current worldwide governance structure is a pyramidal one. And this giant mechanical process is carried on business lines by the global market forces from behind the scene.

Many of us may have come across with what suddenly have sprung up in many of the countries the world over called the PYRAMIDAL SELLING SCHEMES. Pyramid selling schemes usually induce people to subscribe by promising (as sweet poisons) 'get rich quick' offers, that they will receive payments for introducing further participants either directly or through others. Generally, saturation point is very quickly reached and later recruits have little chance of recovering their money.

This chart shows how the pyramid-type developments can be impossible to sustain



A pyramid selling scheme is one in which you pay a fee not only to sell goods or services but also to join the scheme. A joining fee in itself, however, is not enough to show that the scheme is a pyramid selling scheme. In pyramid selling schemes, a participant making money depends principally on that participant introducing other people, who in turn introduce others to the scheme, all paying a fee or service to join.

One BBC Beijing correspondent says that a 'get-rich-quick' mentality has made the schemes very popular, with people trading in anything from exercise machines to herbal medicines. Many Chinese pyramid schemes are run by criminal gangs which cheat people out of their life savings, leading some people to commit suicide.

The highly competitive concepts like pyramidal market schemes have just one goal: make the maximum profit by reaching and linking to the maximum number of members all over the globe and the initiators at the top, which is only one or the one group of multiple share holders. Here the race to reach the bottom or, at least, to keep the position at some comfortable layer of the

pyramidal ladder is inevitably a life and death struggle. Here there is no provision for any second thought, no questions asked and the service and loyalty to the top master is ruthlessly devotional and rewarding – and thus it is ruthlessly maintained, either by hooks or by crooks. The globally practiced ‘carrot and stick policy’ by the global market forces on everything including politics is only part of this grand societal racketeering.

Induction and pyramidal schemes: Today the world is crying wolf against pyramidal selling schemes or chain marketing net-networks that are now being openly practiced even by small time businessmen and institutions. But actually, the present practice is simply an extension of the basic pyramidal selling design which have built the modern society from scrap, for example, as the ‘developed’, ‘developing’ and ‘underdeveloped’ nations. As everybody is now sounding the alarm against modern industrialization process for most of the dangerous problems that mankind faces today, like pollutions, ozone layer depletion, arms race, fast shrinking life-sustaining environments like fresh air and water, the emerging omens are sound and clear: we hold modern science and market as solely responsible for the monstrous growth and spread of industrialism that developed on the lines of ‘pyramidal selling schemes’. But has any businessman or ‘professional’ politician raised their voice against modern science and market? The miserable fact is that they cannot, for they are only part and parcel of the game.

We curse industrialism and mechanization for all our ills. But, however, we can only popularize modern science and market, let alone remain silent about them, even though we know that it is modern science and market that keep the industrial pot always boiling. We popularize modern science and market not because we like them but because we have no other option left. We have been mechanized to the brim. All our investment like education, years of training and our entire infrastructure are wrapped in modern science and industry. We have courted the new master, namely, the market economy – and joined its scheme, the inherently growing pyramidal scheme of science-market nexus – with open arms and abandoned the old master, namely, NATURE for good. For no man can serve two masters.

The same pattern is followed in other social and service sectors like politics, health, education, science, and the like, thanks to the long reigning hi-tech global market players like the multi-national corporations, World Bank, IMF, WTO and the like which are the planners and runners of these ‘pyramidal schemes’, individually, collectively, nationally and globally – by hook or by crook.

Basically, Inductionism is pyramidal in mechanical design (this is explained in detail in the coming pages of this chapter). Modern society, which is exclusively built on the reductionist science itself, is tightly wrapped in pyramidal-like schemes ever since Industrial Revolution that flourished in Europe. The current worldwide governance structure is a pyramidal one. And this giant mechanical process is being carried on business lines by the global market forces that are operating from behind the scene.

We live in a social mechanism – market economy – that depends on eternal expansion that can only survive through raping our Earth of resources, polluting it and churning out cheap non-cyclic and non-biodegradable synthetic products that are meant to cease functioning and becoming poisonous waste shortly after production so the consumer has to continue consuming. We have one big civilization on a global level, feeding on the whole Earth at such a rate that we can observe the exhaustion of natural capital within our lifetimes, whether it be the loss of wildlife, fresh water, coral reefs or rain forests.

Any minor deficiency, especially in the basics, can cause major problems if it is not rectified even later. It is clearly seen that modern science and market, including today's pyramidal selling schemes, have the same basic social characteristics which have their genesis in INDUCTION. Induction is the GENERALIZATION and GLABALIZATION of the particular. It is the idea of a particular tendency mooted, sprouted, developed and globalized, mainly by 'the nation of shop-keepers', namely, the 17th century Britain, which suddenly became 'an empire without sunset', thanks to Industrial Revolution that necessitated the colonization, the colonialist's form of globalization. Globalization here (racketeering) is the liberation of MECHANIZED capital and commodities. Capital and commodities are made free to roam, without the limits of countries and cultures.

The scientific seeds of mechanization, which we describe as Westernization, came to the West from the Arab sources in the forms of ancient mathematical theorems. Just as the technique of gun powder and printing which were several thousand years old Chinese inventions and which when reached the British hands got the sudden boost on the 'particular' induction methodology, these old Greek Arabic Mathematical theorems too got the induction boost once it reached the Western hands. Thus societal mechanization, which was basically not a Western concept and came to be described as modern civilization first victimized or 'generalized' the West. Thus the first ever giant pyramidal scheme – self-evolving racketeering – that wrapped the planet in modern science and market is INDUCTION.

And there was no going back from the induction basics or its fundamentals that got sophisticated as imperialism, market economy, WTO and so forth.

Mother Earth as an MNC: If you switch on your radio or television, or open your newspaper, corporations speak to you. They do it through public relations and through advertising. Global corporations spend more than \$200 billion yearly on advertising. In some ways corporate advertising is the dominant educational institution in the present, surely in the realm of modern lifestyle.

"Four billion square feet of our total land area has been converted into shopping centers, or about 16 square feet for every American man, woman, and child. . . . Most homes are virtual retail outlets, with cable shopping channels, mail-order catalogues, toll-free numbers and computer hookups. People can shop during lunch hour, from the office. We can shop while traveling, from the

car. We can even shop in the airport, where video monitors have been installed for immediate on-screen purchasing.”, Harvard Professor of Economics Juliet B. Schor says in *The Overworked American*. As the most fleeced society in human history, the highly industrialized and globalized modern society has rendered the whole planet Earth itself as a literal multi-national corporation (MNC).

Participation in global capitalism is not voluntary. It penetrates your life by force. To understand globalization you must comprehend the sly disposition of aggressive selling. In its frantic attempt to join and link everyone in this racketeering, the hypothesis is that the modern economy is dominated, for example, in the stock and real estate sectors, by ever increasing and ever expanding speculation in stock and real estate markets. These markets will grow just as long as the volume increases. The markets are vastly overvalued due to a pyramid-style growth of the number of players. The markets will fail when there won't be any bottom to add to participants' pyramid.

Can the stock market be trusted to run the world? Or is our consumerist boom the illusory wealth of wastrels blowing an inheritance – by no means only their own? Does humanity has no better ambition than gambling for an eternally easy living?

We have built a system that has to grow or it will crash. But the system has reached a tipping point beyond which it simply cannot grow, and so it must crash.

Modern market economy is the developer and the god-father of all pyramidal selling schemes even though there are many aberrations and wayward children of it today. Politics is largely an industry, a business venture, in the world today. It is marketed worldwide using hi-tech mind management, for which the know-how and the tools are mainly imported from the developed world that also serve as its main financiers. Only its modern modus operandi is largely shrouded in ambiguities and proxies and is being played from behind the scenes through schemes, like IMF, World Bank, WTO, Insurance institutions, MNCs etc. Here the behind-the-scene players and agents camouflage themselves as consultants, lobbyists, NGO's, philanthropists etc.

Here the most vitally trapped are the Third World businessmen and politicians – down to the lowest village level leaders, with all their belongings (and, in the process, along with belongings and wealth of their respective nations) – who being mortgaged themselves to the global market players, have now become part and parcel of this grand pyramidal game in disguise.

Seeing that the global capitalism is facing the deepest ever crises in history, as it wilts down in unprecedented calamities like financial meltdowns, recessions, the crisis of production and the hollowing out of value-adding production of goods and services in most major economies and a growing crisis of political leadership everywhere, it all seems that even capitalists are giving up the idea of capitalism. Writing on the *Crisis and Reform of the State in Latin America*, author Marcos Kaplan has vividly drawn the present economic

pattern of the world structure as a pyramidal one. The latest global financial meltdowns are the harbinger of the impending total PYRAMIDAL FALL.

Actually, this market-led industrial epoch of human evolution is a social affliction. Today, industrial ‘civilization’ is found to be the most destructive way of living. Industrial Revolution was no civilization; it was simply the commercialization and mechanical exploitation of civilization, leading to finally destroying civilization itself.

With its ever spreading poisoning effects, modern science is the greatest facilitator for the ongoing techno-racketeering: a few examples:

A hidden epidemic is poisoning our world. The toxins are in the air we breathe, in the water we drink, in the walls of our homes and in the furniture within them. We can't escape it in our cars. It's in cities and suburbs. It afflicts rich and poor, young and old. And there's a reason why you've never read about it in the newspaper or seen a report on the nightly news: it has no name — and no antidote.

The culprit behind this silent killer is lead. And vinyl. And formaldehyde. And asbestos. And Bisphenol. And polychlorinated biphenyls (PCBs). And thousands more innovations brought to us by the science-dependent industries that once promised “better living through chemistry,” but instead produced a toxic stew that has made every human a guinea pig and has turned the modern society into one grand unnatural experiment.

Today, we are all unwitting subjects in the largest set of drug trials ever. Without our knowledge or consent, we are testing thousands of suspected toxic chemicals and compounds, as well as new substances whose safety is largely unproven and whose effects on human beings are all but unknown. The Centers for Disease Control in America (CDC) itself has begun monitoring our bodies for 151 potentially dangerous chemicals, detailing the variety of pollutants we store in our bones, muscle, blood, and fat. None of the companies introducing these new chemicals has even bothered to tell us we're part of their experiment. None of them has asked us to sign consent forms or explained that they have little idea what the long-term side effects of the chemicals they've put in our environment - and so our bodies - could be. Nor do they have any clue as to what the synergistic effects of combining so many novel chemicals inside a human body in unknown quantities might produce. Further, in the present pyramidal-like developing modern life which is all a one-up-prone progression, probably no one can afford a second thought.

Growing presence of poison in food: Most nations are in for a huge food security crisis as well as a threat to its food safety. Most vegetables in the market all over the world are toxic. Food turns toxic by the heavy use of pesticides, chemical fertilizers and preservatives that kill a large number of people every year. Apart from food adulteration with poisonous chemicals

having reached dangerous levels, use of chemical preservatives and toxic colors is virtually uncontrolled in most nations.

Fruits and vegetables are highly nutritious and form as key food commodity in human consumption. They are highly perishable due to their low shelf life. These food commodities are reported to be contaminated with toxic and health hazardous chemicals. Chemicals like calcium carbide, ethephon and oxytocin are reportedly being used in fruit and vegetable markets/farms for artificial ripening and for increasing the size of fruits and vegetables respectively. Calcium carbide more commonly known as 'masala' is a carcinogenic agent and banned under PFA Rules, 1955. Ethephon is a pesticide and so it is not recommended as a ripening enhancer. Oxytocin is a mammalian hormone, used as a drug in veterinary services which is not advised for use in fresh fruits and vegetables.

Many instances have been reported that most wholesale traders are following the practice of dipping green vegetables in artificial colours to give them a fresh, attractive and pleasant appearance. Pesticide residues, crop contaminants (aflatoxins, patulin, ochratoxin, etc.) and heavy metals are the major contaminants found in fruit and vegetables. Pesticides are used in management of pests and diseases in Agricultural and Horticultural crops. Heavy metals are present in the irrigation water and other manures.

Pesticides can leave adverse effects on the nervous system. Some harmful pesticides can cause several hazardous diseases like cancer, liver, kidney, and lung damage. Certain pesticides can also cause loss of weight and appetite, irritability, insomnia, behavioural disorder and dermatological problems. The pesticide residue found in fruit and vegetables include residues of both banned (Aldrin, Chlordane, Endrin, Heptachlor, Ethyl Paration, etc.) and restricted pesticides for use in India (DDT, Endosulfan, etc.). However, the resulting diseases are heartening, lucky things to the medical industry which is yet another main branch of the ongoing self-evolving racketeering.

Farmers removed from farming: How the self-evolving racketeering in farming — the onslaught by Scientific Agribusiness — causes the tragic, untimely demise of millions of farmers every year in the world

In his January editorial piece in *Kisan Ki Awaaz* (National Magazine of the Farmer's Voice), Krishan Bir Chaudhary claims there is a conscious attempt by officialdom in India to remove farmers from farming. If his claim were to be valid, it would come as little surprise when we consider that, due to the restructuring of agriculture in favour of Western Agribusiness, over 250,000 farmers have committed suicide in India since 1997. If there is such a ploy, the strategy would appear to be going according to plan. And that's not even factoring in the unconstitutional land grabs that have booted farmers off their lands to make way for nuclear power plants, various 'developments' or 'special economic zones' like projects.

Chaudhary would like to know how the government would reemploy 148 million farming households, and states there are already 93 million urban slum dwellers in India. The question posed by Chaudhary is: does India need another 740 million begging on the streets?

With economic growth apparently slowing from around eight to nine percent annually to estimates that vary between five and six percent, just where are the jobs going to come from to cater for India's increasing population, never mind millions of former agricultural workers who, if Chaudhary is correct, would seem destined to be thrown onto a jobless scrapheap? There are only so many cyber parks to be built, macjobs to be had and so much cheap labour outsourcing to be done.

Looking at policies pertaining to Indian agriculture and the plight of farmers, it would be easy to conclude that farmers in India represent some kind of 'problem'. A problem to be removed from the land and a problem to be dealt with once removed. Since when did food producers, the genuine wealth producers, become a 'problem'? The answer is when Western agribusiness was given the green light to take power away from farmers and uproot traditional agriculture in India and recast it in its own profiteering, corporate-controlled racketeering.

This is the moral bankruptcy and mass deception that lies behind mainstream notions of 'development', which to all intents and purposes means profits and headline grabbing surges on the Dow Jones or SENSEX – not human or social development.

Chaudhary wonders whether the government is taking its orders from global MNCs. Of course, many of us have assumed this to be the case for a number of years already, particularly when we uncovered the links between the Monsanto/Syngenta/Walmart-backed Knowledge Agreement on Agriculture and the US sanctioning and backing of the opening up of India's nuclear sector to foreign interests.

And we have also been fully aware of how Big Agra and its ugly sister Big Pharma work hand in glove to make massive profits based on bogus claims and bogus science. The Ministry of Health and Family Welfare in India has been pushing birth control and vaccination for the last two decades. Chaudhary asks why is it pushing vaccines when doctors have warned they are causing autism in children?

But this is how Big Pharma makes its money. There's no future for that industry if improvements in hygiene and sanitation and providing nutritious food are seriously promoted. There's not much of a future in genuine human and social development for Big Pharma. While Chaudhary argues that such food alone can reduce virus induced infection, it seems that India wants to follow the Western model of 'development: big profits, bad food, bad health, more pharmaceutical drugs and more chemical inputs into agriculture.

"Should big multinational pharmaceutical firms be allowed to play with the lives of millions of Indians?"

He argues that India's thousands of years old civilisation is under threat. Industrial developments built with public money and strategic assets, such as energy sources, ports, airports and seeds and infrastructure support for agriculture are being sold off. And how is this all justified? By reference to GDP growth – a single, narrow definition of 'development' – a notion of development hijacked by economists and their secular theology which masquerades as economic 'theory'. In any case, just like the racketeering capitalism on offer from the transnational corporations now descending on India, that dubious measurement in terms of India's GDP growth has hit the buffers too.

Around the world, farm income is plummeting, pushing farmers off the land and into destitution. At the very same time, soaring food prices are putting tens of millions onto starvation diets. When racketeering is branded as scientific development by the 'developed' world, the above Indian episode, which marked the demise of millions of farmers in face of onslaught by scientific Agribusiness, may be considered as only the tip of the enlarging global iceberg if we can stretch this story on a global level in which certainly billions of farmers, including those from the so-called developed world, have already been removed from farming, leading to the premature demise of most of them.

The growing human vulnerability due to scientific corporate racketeering: Our whole world is poisoned, in the name of scientific development' by corporate elites with the willing complicity of governments. Chemicals in food or environment are not our only problem; it is just one that is particularly evident. The bottom line is that this is a path of what our posterity will evolve with. There is no escaping modernity, and all the chemicals that means.

As modern humans, we are treated as guinea pigs. Those trying to live an "organic" life, might save themselves some effects, but who knows what. Those that don't are getting more. But then there are populations like in China or Russia, where environment has been molested to the greatest extent possible.

For an authoritative look at what we are up against, consider this story from a couple of years ago. The story begins: "The American Chemical Society registers twelve thousand new substances every day. And according to their records, there are nearly 45 million different commercially available chemicals sold worldwide. But data on the potential hazards these chemicals pose is available for only a very minute percentage."

What's frightening is that no matter how you choose to live, you're exposed to tens of thousands of untested chemicals on a daily basis. There is no healthy living. Worse still, you can't escape smog on mountain tops: the "regional haze" in the eastern U.S. is chiefly acid sulfate from power plants; the western U.S. receives China's emissions.

What I have furnished through the above pages, as examples of destructive aspects and other lethal ill-effects only symbolize the microscopically minor part of the massive and destructive aspects of this self-evolving racketeering.

To begin to bring it under control would undoubtedly involve major grassroots efforts to push back against the offending corporations, corrupt politicians, and top-flight researchers. But before any serious steps are likely to be taken, before we even name this epidemic, we need to wake up to its existence.

From little slips to big disasters

A little, unnoticed leak can sink a giant ship. Now coming to a similar fate awaiting our 'spaceship' Earth, the once naïve and unsuspecting fault or certain locally-confined wrong has today developed and 'progressed', during the last couple of centuries, into the most Earth-shattering and life threatening techno-Frankenstein that is out to erase the mark of mankind in a few decades from now.

Now, as we trace and short-list the 'small' original sins that cumulatively developed to the self-propagating, self-evolving and highly globalizing racketeering, the following two main 'slips' or 'errors' are discussed here. They are:

- 1. Induction leading to loss of Diversity**
- 2. Dualism leading to Reductionism**

1. INDUCTION LEADING TO LOSS OF DIVERSITY

Why does one person suffer from diabetes and another from hypoglycemia? Why is it that one person can cope with an enormous amount of stress while another succumbs to a much smaller amount? Why does one person have a fast metabolism while another has a slow metabolism? Why is it that one person is a bookworm while another prefers sport or physical activity? Why is it that one person is much more sensitive than another? Why is it that one person is constantly catching colds and flu while another person rarely gets any illness, and yet both people are medically 'normal'? Why is it that some people find it almost impossible to lose weight while others find it impossible to gain weight? Why is it that some people are extraverts while others are introverts?

Diversity and uniqueness are the primary and dynamic properties of every matter and phenomena in nature. Even a pair or even twins of the same species born almost at the same moment will certainly have at least vast micro differences although it may look similar on a macro vision. This diversity and uniqueness are essential for mutation and progress by evolving to new matter every time. Reality is different in different people and it is this diversity that renders the whole life charming and helps the world going to another million years.

Fast losing uniqueness and diversity: What is right for the challenger or victor may certainly be wrong for the challenged or the defeated. What is

suitable or advantageous for one set of people may be highly disadvantageous for another set. All these are because of the inherent diversity in Nature and in human beings.

Now, if one group of people or nations tries to impose their version of right or similarity on all other sets/groups cunningly, by the use of force, the practice is highly wrong and will certainly be destroying the inherent diversity in society. The most damaging effect of induction is the destruction of diversity. Like darkness leveling all colors, modern science propped up by induction-prone western culture is blurring the diverse culture the world over through its systematic and aggressive globalization — GENERALIZATION of the PARTICULAR.

The present mechanical society is based on the induction mode of development. That is, it goes on generalizing the particular or going single dimensional or depends on linear facts (arrested facts), and the process is replacing the age-old live complex facts and truths; the whole trend points towards the flow to singularity from complexity.

When science and technology go on producing millions of copies and duplication of a single matter or millions of tons of the same matter from a single source for the consumption of millions of diverse consumers spread all over the globe (eg. modern consumer products like synthetic medicines, soft drinks like Coke etc.) science and market go against the fundamental property of Nature. Thus the universal application of induction methodology has critically wiped out much of the inherent natural diversity, not only among the species but also much of the diversity in Nature itself.

Most of us may have seen mustard, the smallest 'atom' of antiquity, which has even a biblical reference. Mustards produced from a single mustard tree in a single year may produce millions of mustard trees in a small area if it can be 'scientifically' germinated and grown in 'green houses' (artificially created environment), in the process of which even the unfittest seed may survive, sprout and become the most "fit" in modern scientific environment.

Now, with a whole nation of only mustards, a whole environment of only mustard, and a whole people dependent only on mustards, just imagine the catastrophic damage the practice is doing to the inherent diversity and the delicate, innate eco-balance of Nature and humans. It literally hooks the whole nation and the people to the middlemen dealing in mustards – mustard processing, mustard transportation, mustard exports, and then the imports of all other item of consumption for which the widespread transportation will be the greatest liability which, in turn, is not only a giant consumer and depletory of energy but also going to be the number one giant polluter of environment.

The single crop dependent third world nations, encouraged by the "loans sharks" like the World Bank and other global lending agencies (by tailoring subsidies and low interest loan provisions in the respective third world nations annual budgets, as a pre-condition for this global 'aids') only get hoodwinked

to this giant global middlemanism and “market economy”. It will also preside over the import of modern technologies, not only for ‘incubating’ and ‘green housing’ the single crops where even the unfittest emerges as the most fit (throwing to the winds the Darwin’s theory of evolution that only the fittest survives but also for the imports and sale of technologies and equipment for the processing industry of the crops and the related industry and business.

All this may look a much wheels-within-wheels ‘machination’ process which inevitably hoodwinks even the politicians of the respective third world on survival instincts. Thus we have rubber and palm oil dependent Malaysias’, coconut export dependent Sri Lankas’, oil-only producing Persian Gulf, industry hooked Japans’ and Germanys’, the badly MNCs infested America, and so forth which are all today “super experts” in their respective fields.

And, today, what else we get from modern super market other than these fast foods, soft drinks, and other ready-to-use products in world class packaging? They are none other than the dupes or copies produced in millions, in the factories of modern culture, and from a single dye, mould or equation of a natural matter, and which is nothing other than the clones of the original matter which we have been getting used to and getting addicted since the Industrial revolution. The latest of them, for example Coke, which has been globalized to the extent that today it claims to have reached to more people than even the Bible. And coke has simply gone a step further: It has been synthetically produced in millions, not as a copy of anything original but as the copy of mere artificial taste and moods which the modern science-art-market nexus has succeeded in installing in the minds of the masses, on a global level.

The fast shrinking diversity also leads to addictions. And the momentum of loss of diversity is fast accelerating, and even threatens ecological stability. It has taken man less than a couple of centuries to destroy the biodiversity it took Nature tens of thousands of years to build up. Modern medical industry knows it too well how the continued use of allopathic (Cartesian) medicine - especially antibiotics - steadily tamper with the natural immunity, to leave the victims as addicts, increasingly lowering the natural resistance (immunity) level. Today almost 95 per cent of the global population is thus trapped and hooked to allopathic medicines. And allopathic medical industry is one of the few highly successful modern industries today.

From multi-dimensional to one dimensional man: This is the story of is man’s shrinkage from millions years-long evolution of fruitarian to vegetarian, then to non-vegetarian and to the waste eater to end up today as the chemical (synthetic food) eating mono-animal. And like single dimensional machine that can be operated on one or two types of fuels, modern mechanical man too is fed (fueled) on far less types of food – formula food – today.

Throughout history, man has used some 3,000 plants species for food. Later, from a possible selection of over 12,000 edible plants, at least 150 of them have been commercially cultivated to some extent. Actually, it is this diversity

of food culture that made him most free and the 'crown' of all the creations. But over the centuries the tendency has been to concentrate on fewer and fewer. Today, most of the people in the world are fed by about 20 crops—cereals such as wheat, rice, maize, and sorghum; root crops such as potato, sweet potato, and cassava; legumes such as peas, beans, peanuts (ground nuts), and soybeans; and sugar beet, coconuts, and bananas. These plants are the main bulwark between mankind and starvation. It is a very small bastion.

However, reliance on a small number of plants carries great risk, for monocultures are extremely vulnerable to catastrophic failure brought about by disease or variations in climate.

The abrupt reversal of the age old methodology of science from deduction to induction also had its 'achievement' in reversing the evolutionary theory as the survival of the unfittest from its millions of years long evolution as survival of the fittest. The new analytical science achieved this feat by the cunning technics of covering, camouflaging or repairing the unfit part technically and by growing and nurturing the unfit or the unfit part in artificial environment like greenhouses (controlled environment like air conditioning) and helping it through artificial fertilizer, formula food, and artificially protecting or solving its problem through pesticides, insecticides, synthetic medicine etc. And this process is temporary makeshift and superficial.

This survey-based methodology is not at all any appropriate means that can go with the diversity and the innate non-repeatability of Nature and its vast natural life process. It is in tune with only the controlled environment or mechanically directed evolution – so that data can be collected and controlled in a directed manner.

Thus science at best ends up a hypothesis inside another hypothesis – a fiction inside another fiction. It is a surprising peculiarity of modern age that nowhere in human history has fiction acquired such legitimacy and 'pride of place' as it has in modern history. With the sudden change from deduction to induction, from being synthesising to be analytical, science soon began to acquire all characteristics of what were once considered evils.

There is no limit to human imaginations but Nature has a limit as to how far man can go. Nature evolves in deduction and thus developed everything in Nature in a deductive manner – from the single-celled Ameba to the most complex man – in the deduction process. But modern man went just on the reverse process – through induction. And the man-made world creates everything from being cyclic to non-cyclic, from multi-dimensional to be single-dimensional and from being complex to singularity, and may be, from man to Ameba. The ongoing reduction process makes, for example, the very difference even in human gender, through shrinking sex, vanishing fertility etc., for example, and rendering modern man as neither male nor female but just a reduced mechanical being – neutered species (discussed in *chapter 14*).

Modern Science, as we have seen, is the crystallization of intelligent facts which, in other words, we can say that science is the affair of the brain – and

not of the mind – which again we can say that science is the past time affair or occupation of the young and the mechanical, because the youth and the young are intelligent, not intellect. Later, as one grows to maturity and as his mind develops to clearer visions in life, these intelligent facts mutate with the newly developing intellectual facts which we may call the affair of the mind. Thus evolves human ability for synergy, synthesis, generalized science, holistic science or the science of deduction. And this generalized science or the science of deduction is the affair of the matured mind.

All the pre-modern sciences were holistic, deductive or the affairs of the matured minds. The teaching of the Githa, Sri Budha, Confucius and Socrates and Christ were all the affairs of the matured mind or were what may be called the generalized and integrated science. In sharp contrast to these, the modern analytical science is all a bundle of mere intelligent facts or the logical product of immature minds. These were only one-way developments. Growing as an expert in one field, leaving the rest of the life's fields as dormant, is like a single part of the body abnormally growing which actually is a diseases or a defect. Scientists setting aside the affair of the mind as the job of only philosophers or setting aside the matters of aesthetics as the task of artists are doing the same fault. Specialized and compartmentalized growth is the diseases of modern age, and not any healthy growth or progress. The very concept of 'genius' is modern; it only amounts to a one-way overgrowth.

And this aberrational development had its reason too. Almost all the expounders of modern analytical sciences, including analytical philosophy, had their thesis framed before they attained the age of even 20-25 or they came to the limelight as youth (discussed in *chapter 11*).

Modernity, as we see in the chapter 6, is a wayward product of a wayward culture. It was born as a wayward child out of an opportunistic alliance of three wayward mechanical forces suddenly let loose at a critical point of time in history, namely, towards the end of middle ages, when there was no moral or spiritual authority worth the name, for example, when priesthood had degenerated into priest-craft, and science as a sort of scientist-corporate craft of art.

Today the long mechanical addiction on modernity has made man neurotic to the core. Addicted to all fast synthetic life styles like fast food, synthetic soft drinks and "fast" entertainments of all ready-to-use modern gadgets of pleasures, convenience with and no physical strains attached, modern man is certain to show the blunt resistance, like a drug addict to any abrupt stoppage of their regular supplies. To bring him back to senses is as impossible as for a child to leave his toys. He will panic like a child leaving the doll shop without buying a piece. He will be as uncomfortable as one coming out of an air-conditioned cinema hall to the raw climate outside on a hot summer day.

History of the world, as recorded by one of its species, man, has been his long attempt to squash and diminish the natural dissimilarities (diversity)

through such mechanically chopping logics like INDUCTION. On the other hand, it only helped to artificially create and enlarge artificial dissimilarities, for example, the growing rich-poor gap or the know-how haves and know-how have-nots gap or categorizing the world as first, second and third world – as developed, developing and underdeveloped. Here market science only tries to divide the world and enlarge artificial diffusion while clamoring for synthetic equality and democracy, which are camouflages to destroy the uniqueness of real diversity of man and his world at large.

Large scale similarity – to be similar on a distant look, for example, stars viewed by naked eyes look similar, or people looked from long distance look similar – and small scale diversity – for example, people viewed from close range sharply differ from one another, just as we don't see what is there on the moon or earth unless viewed nearer – are the primary properties of matter in nature which the science has just reversed. What fundamentally was unique and different from one another – diversity – market-dictated science destroyed them by applying mechanization in the diverse sectors of human life, particularly through democracy by forcing similarity and equality. Viewing history at a glance, we see only this large scale difference as slaves and slave owners, as empires and colonies, as developed and developing and underdeveloped or as first, second and the third worlds, thanks to scientific treatment of history, which is mechanical or artificial.

Thus the history as recommended by modern man, may be described, not as the history of man, but as the history of inductive science. This is a history of short-sightedness and narrowness that have been running rough shot over long-sightedness, broader views and human values. This history of science' is the story of the continued use of convenient 'shortcuts' and getting addicted to them, to finally losing sight of any further path – other than the beaten path.

2. DUALISM LEADING TO REDUCTIONISM

Can life be reduced to nothing more than an interesting arrangement of atoms and molecules? The prevailing view of science today, sometimes known as reductionism, is that life results from the combination of non-living molecules.

Dualism, in philosophy, is the theory that the universe is explicable only as a whole, composed of two distinct and mutually irreducible elements. In platonic philosophy the ultimate dualism is between "being" and "nonbeing" – that is, between ideas and matter. In the 17th century, dualism took the form of belief in two fundamental substances: mind and matter. René Descartes, whose interpretation of the universe exemplifies this belief, was the first to

emphasize the irreconcilable difference between thinking substance (mind) and extended substance (matter).

The difficulty created by this view was to explain how mind and matter interact, as they apparently do in human experience. This perplexity caused some Cartesians to deny entirely any interaction between the two. They asserted that mind and matter are inherently incapable of affecting each other, and that any reciprocal action between the two is caused by God, who, on the occasion of a change in one, produces a corresponding change in the other. Other followers of Descartes abandoned dualism in favor of Monism (Greek *monos*, “single”), in philosophy, the doctrine that ultimate reality is entirely of one substance.

Descartes based his whole view of Nature on the fundamental division between two parallel but fundamentally different realms, the physical realm and the spiritual realm. Each of which could be studied without reference to the other. The dualistic notion of ‘mind-body’ and the analytic method of Descartes resulted in the replacement of an organic universe with a mechanical universe produced by divine reason.

According to Descartes, mind and body belonged to two parallel but fundamentally different realms, each of which could be studied without reference to the other. With his view of Nature as a perfect machine, Descartes replaced the ‘organic worldview’ of the Middle Age and created the conceptual framework for seventeenth century science.

This mechanical division or reductionism of Descartes and Newton was the foundation of all Western science until the twentieth century. In the popular mind, as well as in vast sectors of scientific and technological research throughout the world, it still remains so.

Overemphasis on the Cartesian method has led to the fragmentation that is characteristic of both our general thinking and our academic disciplines, and to the widespread attitude of reductionism in science – the belief that all aspects of complex phenomena can be understood by reducing them to their constituent parts.

In the Cartesian worldview, mind and body are separate, and animals – that lack a human mind – are said not to suffer. Matter lacks purpose, life-energy, wisdom and spirituality. There is no room for music, art, love, emotion, faith, taste, smell, values, shared experience or surprise; these are all mere illusions in a world of fact. Isaac Newton developed the Cartesian idea of the universe as one huge mechanical system operating according to mathematical laws. He held that particles were ultimately homogeneous, all being made of same material substance. The universe, then, was driven by the laws of cause and effect, which operated in a linear fashion. Causes gave rise to predictable, measurable effects, and the universe was entirely predictable once we knew its details. Modernism thus unleashed forces of radical autonomy and isolation. They are prone to erratic fantasies, or states of dissociation of humanity beyond Cartesian dualism.

Between the 16th and 18th centuries there was a dramatic shift in the way people observed and thought about the Universe. This new system of thought was based on the philosophy of Rene Descartes who promoted a mathematical description of Nature and the use of analytic thought – the Cartesian System. Descartes' vision was to give a precise and complete account of all natural phenomena with absolute mathematical certainty. To accomplish this he compared natural phenomena with machines. Descartes even drew parallels between a sick man and an ill-made clock.

Later Isaac Newton synthesized the works of Copernicus, Kepler, Galileo and Descartes into a complete mathematical formulation of Nature – Newtonian Mechanics. Towards the end of the 19th century scientists believed that eventually all natural phenomena would be explained by reducing them to the motion and interaction of particles.

This reductionism led to the expectation that: physics would eventually explain chemistry; chemistry would explain biology; and biology would explain psychology. Love, joy and courage had been reduced to certain chemical reactions within the brain.

Complex systems are therefore broken down into their components and each piece is studied individually by way of disciplinary and sub-disciplinary approaches. The challenge is to find the entry points from where to address the particulars of the system. Once one knows the parts, the dynamics of the whole can be derived. In general, scientists have been so successful in applying this method that instead of reverting back to see how their discoveries fit in with totality, they have continued to dig deeper into their specialties, continuously narrowing the focus of their research.

But the rare scientists such as Augros and Stanciu propose a holistic view in which the cosmos and each of its components relate as whole but interrelated bodies. Every matter or phenomena in Nature is intrinsically composed of two diametrically opposite characteristics: as matter and its antimatter. Man has come to term them in various concepts – as good and evil, positive and negative, pleasure and pain, success and failure, flower and the thorn, the problem and solution etc. In Nature and for all other species, except modern man, these diametrically opposing twin aspects are but the two sides of the same coin; they do not discriminate one against the other. Nature and other species take every matter and phenomena in a wholesome spirit and not in an analytical spirit. We may term this natural logical practice as cyclical.

But the analytical shortcut methods – avoiding all antimatters like evil, negative, pain, failure, thorn, etc. as 'unwanted' – are non-cyclical. Hence the shortcut process of totally avoiding one side is pollution-prone. Man practiced Nature's logical or holistic way of life till as recently as the start of modern civilization, when suddenly everything sharply changed, thanks to shortcut methodologies like the analytical science and reductionism.

This reductionist way of thinking is an 'article of faith' for Western culture for very pragmatic reasons: the instrumentalization of this method

has led to industrialization, hence to growth of synthetic wealth and power in the modern period. The privileging of scientific discourses in our culture is entirely due to this ‘wealth’ generating power. Noah Kennedy has argued: “In a sense, the mechanical intelligence provided by computers is the quintessential phenomenon of capitalism. To replace human judgment with mechanical judgment – to record and codify the logic by which the rational, profit maximizing decisions are made – manifests the process that distinguishes capitalism: the rationalization and mechanization of productive processes in the pursuit of profit. The modern world has reached a point where industrialization is being pointed squarely at human intelligence.”

Reductionist science has worked, and worked very well, in solving problems in isolation. What it is notoriously bad at is in not taking proper account of the organic interconnections, the ecological and social interrelationships that sustain the living system as a whole.

The Randomized Clinical Trial, or controlled study, will continue to offer great value in our efforts to know the world. What we need to understand is that it is only one of several possible ways of knowing things, rather than the only way; and that its conclusions can be limited, skewed, flawed. How often we have found that a study will draw a conclusion based on observing a selected set of variables for a certain number of months, and then two years later another study, which has shifted the variables slightly, will draw a different conclusion about the same question!

Acupuncture and herbal remedies have been proven to Chinese society for millennia, and its results have been recorded in the annals of society. Yet to the scientific community they are still considered “anecdotal”, or ‘old wives’ tales. Thus there is an ethnic and Eurocentric component to these Cartesian concepts of proof. Things are proven to the satisfaction of one particular community, whose standards are quantitative but limited and short-term. Very few of these “unproven” drugless healing methods have actually been tested and found not to work; rather, nobody has gotten around to testing them. The disparaging attitude that Cartesian medicine takes towards other healing systems is interesting given that, as found by the Office of Technology Assessment in 1978, 80% of its non-emergency medical solutions have never been proven to be effective.

Traditional healers often administer an herb in a context of various other herbs and perhaps other lifestyle changes as well. The remedies then work synergistically. When the double-blinded controlled study is applied to examine the effects of the herb, the herb is usually tested as an isolated component, in a manner suited to the testing of a pharmaceutical preparation. We then may hear that the “evidence” does not support such a remedy, or that this remedy is not as effective as a drug developed to combat the same condition. In such a case, what the evidence does not support is the application of this kind of testing methodology to traditional healing practices.

When testing is short-term as it is in the Cartesian model, we don't know what questions to ask. As Lewontin says, "The difficulty of the problem is not that we lack some crucial bit of knowledge, but that we do not know how to frame the questions" because we are "trapped by the machine model". For example, many people were given very high doses of thyroid replacement hormone for decades before it was found that excessive thyroxin caused bone loss. Long-term testing, however, is not compatible with the short-term profit ventures sought by the pharmaceutical companies that are keeping their eyes peeled to the calendar in anticipation of the expiration of their patents. Nor is it compatible with the structure of research careers: researchers need to produce results within a fairly short time frame in order to justify the continuation of research funds. Research into environmental and nutritional causality needs to test for an indeterminate number of unknown variables over a long time frame, and so it does not lend itself to the Cartesian model the way genetic research does.

The great split up: For millions of years, everything was in a Unity in Duality mode of existence, the natural existence of everything as a wholistic pair, like male with female, positive with negative, good with evil, light with darkness, hero with villain, success with failure and so on. Duality is the nature of our Nature. There is no avoiding it. They coexist; one cannot be without the other. Here two different or opposing forces work in unison (our neural-pathways for instance), or create a unity.

This is the natural law governing the whole of creation and life as we know it. Nothing can exist in isolation from this continual process of change and transformation. Nor can anything exist in a permanent, independent, unchanging state. Everything arises from the same energy source and is completely interconnected. For example, in the case of human health, the fragile balance of liquid humors in the body has to be carefully maintained according to an economy of heat and cold which is differed for men and women: men ought ideally to be relatively hot and dry, women to be moist and cold. It is their remaining in unity that contributes to the harmony, tranquility, and therefore the health of both. This basically applies also to all physic constructs like protons and electrons too. One's radical separation from the pair (for example, the formation of free radical), from their unity or the herd is against all sorts of life forms in nature.

However, as anybody can now understand it, some MACRO FREE RADICALIZATION (explained in detail, as a new 'Macro Free Radicalization Theory of Aging' in chapter 4) started in the spiritual/mental spheres of human society for a few centuries prior to the modern mechanical civilization, leading to some macroevolution – indeed macro-devolution or macro-degeneration. This caused split up of the natural existence of the wholistic pairs in their Unity in Duality mode of existence and created two 'independent' entities, like matter separate from mind, man separate from woman, light separate from darkness,

‘good’ separate from ‘evil’, north separate from south, positive separate from negative, the affair of humanities separate from technical knowledge, and the like and vice versa. This unnatural process, like the free radicalization process that is reaching to the minute atomic level microevolution, suddenly began to release all sorts FREE RADICALS.

Duality versus Unity: Unity is always eternal, like the symbol of infinity, and so it has always been available to us here on Earth, but we have forgotten and lived somewhat in the world that includes duality. Here on Earth, it is our choice. We can either live in unity or live in duality, and we often live in both, that is what makes this planet like a kind of a purgatory, or a blend of heaven and hell.

Heaven is unity. Unity is union. And union is Love. Love is actually made by the two elements that make it when they come together – for example, Male and Female – the two opposites. So there is the duality and there is the unity.

Just as a little aside, the separation had to happen, because the two (the male and female) did not know themselves as separate when the One was eternal. And that is to reconcile the two alienated halves of male and female, and to bring the electric back into harmony, as is the magnetic.

Planet Earth orbits between the two close by planets Mars and Venus, and was not placed in vain – our planet represents a planet of balance. In the so-called Eden, and in the Stone of the Philosopher’s, the Elixir of Life is created by a union of the King and the Queen, or the Male and the Female, or Mars and Venus

But ours is a dualistic world, a dualism some call “Hegelian Dialectics”. Things fall into one of two poles like day and night, male and female, space and time, matter and energy, reason and passion. Even light has a dualistic characteristic and that is why they call it “electromagnetic radiation”. The dual poles of light are the electro and the magnetic. The magnetic part is the more holistic, and the electro part is the more sequential part of that dualism – the split and broken existence.

That means any reductionist thinking is bound to overlook certain aspects of the whole system. The properties of molecule could not be derived from the properties of the constituent elements. The chemical combination of two substances produces, as is well known, a third substance with properties different from either of the two substances separately or of both of them taken together. Not a trace of the properties of hydrogen or of oxygen can be observed in the compound – water. Likewise no trace of the properties (mostly mechanical) of modern man or modern woman can be observed in the compound MAN, the perfectly organic human being.

Divide and rule – and decay: Splitting up, separation and isolation cause weak spots, premature decay and degeneration in all matters – both animate and inanimate – in nature. And it is how the smart and the cunning exploited and ruled over the less cunning and the gullible, by weakening them through this process of splitting up, separation and isolation.

In politics and sociology divide and rule (or divide and conquer – derived from Greek) is gaining and maintaining power by breaking up larger concentrations of power into chunks that individually have less power than the one implementing the strategy. The concept refers to a strategy that breaks up existing power structures and prevents smaller power groups from linking up. This divide and conquer strategy, also known as “divide and rule strategy” is often applied in the arenas of politics and sociology. In a divide and conquer strategy one power breaks another power into smaller, more manageable pieces, and then takes control of those pieces one by one. It generally takes a very strong power to implement a divide and conquer strategy. In order to successfully break up another power or government, the conqueror must have access to strong political, military, and economic machines.

Leaders who utilize a divide and conquer strategy may encourage or foster feuds between smaller powers. This kind of political maneuvering requires a great understanding of the peoples who are being manipulated. In order to foster feuds, for example, one must understand the political and social histories of the parties intended to take part in the feuds.

The divide and conquer strategy has been widely used throughout modern history. Both the Roman Empire and the British Empire played small tribes and groups against one another in order to control their lands and territories. A divide and conquer strategy was used by the Romans when they took Britain, when the British Empire took India, and when the Anglo-Normans took Ireland. A staple political strategy, the divide and conquer strategy is still used by many countries today. It is said that the British used the strategy to gain control of the large territory of India by keeping its people divided along lines of religion, language, or caste, taking control of petty princely states in India piecemeal.

In sociology, divide-and-conquer is generally manifested in REDUCTIONISM which is just one way – probably the weak way – of an approach to understand the reality. It is the position that anything just is the sum of its parts; it is formulating explanations of phenomena by breaking them down. In reductionism, there is an inherent tendency to strife, to divide and conquer. This is a sort of blindness that exists in modern culture which is a conspicuous and pernicious feature, a blindness, which seems to be the limitation of humanity, is destined either to supersede or by which we shall be ruined. So pervasive is the specific blindness that whole nations of people have succumbed. Yet so peculiar is the situation in which humanity finds itself as this epoch of human history winds to a close that millions decry the effect of this blindness without ever pondering the source whence it arises.

The rise of the ‘intellectual factory’, the modern university, which has been indentured to the service of industry and even, more so to that of technology, forces a concentration and a specialization of thought. The search for human truth has become the search for productively useful knowledge. Intellectual activity is now considered as “productivity.” The product of thought is the result of specialized, narrow, and yet intensely interdependent thinking.

Today every human has to spend an average 10 years of training (education) to get himself become linked to the modern machine society (technosphere) which indeed is going on like a giant mega machine for which the more trained a human the more fit he becomes, a practice which has prompted many to go for life-long training and education to live in this highly competitive hi-tech environment. This although qualifies the species to live as a highly mechanized being, however disqualifies it to live as a human being.

As a result, even within modern civilization and inside modern science, a widening gulf of misinterpretations exists between the two ruling knowledge-producing cultures of modern science – the literary intellectuals and the natural scientists. These two contrasting approaches may be generally called Holism and Reductionism, respectively.

C.P. Snow – by training a scientist, by vocation a writer – held that the two cultures had a curious distorted image of each other based in profound mutual suspicion and incomprehension, and that their attitudes were so different that, even at the emotional level, they could not find much common ground. In his opinion, the literary of Science and Letters intellectuals regarded the scientists as being unaware of Man's condition, whereas the latter assumed the former to be totally lacking in foresight and "anxious to restrict both art and thought to the existential moment" (C.P.Snow, 1959, p. 5). These imageries made the feelings of the one culture, the anti-feeling of the other and produced hostility rather than fellowship between them. C.P. Snow regarded this situation to be all destructive – a sheer loss to the creativity of science. He was convinced that since the two senses had grown apart, no society was going to be able to think with wisdom.

Meanwhile, the two main cultures grew into four, as the social and technological sciences have taken on their own distinct cultures, deviating to a certain extent from those of the humanities and the natural sciences. More importantly, the four mother cultures further went on splitting into numerous specialized branches as disciplines and sub-disciplines have multiplied many times over in recent decades. These specialties form their own sub-cultures which may press against the overall culture of the discipline of which they form part, and may pose a threat to its unity. A modern discipline is thus composed of clusters of specialties that form individual micro-environments where most researches and professional communications take place. This is to say that reductionism has got out of hand and has even infected holism to some extent and made holism too a distant and even unrealistic dream.

Modern Holism: In atomic physics the sharp Cartesian division between mind and matter, between the observer and the observed, could no longer be maintained. Cartesian reductionism view is still generally accepted even though we now know that the application of this vision has severe limitations but also contradictory to most realities and truths. A new way of thinking called "systems thinking" emerged during the first few decades of this century in some

schools of biology, psychology and in ecology. Ecologists who focused on the study of animal and plant communities observed networks of relationships – the web of life. They found a new way of thinking – thinking in terms of relationships, connectedness and context. According to Fritjof Capra, this vision is based on the fundamental shift of perception from the world as a machine to the world as a living system. This shift concerns our perception of Nature, of human organism, and of society. Systems thinking involve shifting our attention from the parts to the whole, from objects to relationships, from structures to processes, from hierarchies to networks. It also includes shifts of emphasis from the rational to the intuitive, from analysis to synthesis, from linear to nonlinear thinking.

The concept of modern holism has many connotations, applications and uses, even nonscientific ones. The assumption underpinning this approach is that the properties of the parts contribute to our understanding of the whole, but the properties can only be fully understood through the dynamics of the whole. The research focus in holism is on the relationships between the components, i.e. on their interconnectedness, interdependencies and interactions. In holism, the whole is more than or different from the sum of its parts. Consequently, breaking complex systems down into their individual components by the method of reductionism is only a first approximation of the truth, and while it may afford many useful insights, it behaves scientists to put the pieces together again by way of holism. The call is for interdisciplinary and for bringing the multiple specialties contained in disciplines together in what can be labeled intradisciplinarity.

In spite of this change to a holistic view within physics most contemporary thought is still based on implicit reductionist and mechanistic assumptions of the 19th century. It stems from the differences in focus that there are no automatic or necessary contradictions between the two 'isms'. The one focuses on the properties of parts, the other on the relationship between them. Put together, they stand out as supplementary rather than conflicting, as inclusive rather than exclusive.

The mutual inclusiveness between reductionism and holism is not to deny that the two approaches have differences in agendas and that the disciplinary pull can be a serious barrier to fostering interdisciplinarity in practice. Among the many hurdles to be overcome are the multiplicities of sub-disciplinary terminologies that, in extreme cases, may seem impenetrable to specialists coming from the outside.

Thus there seems to be no philosophical, ideological or practical contradictions between reductionism and holism in modern scientific synthesis. The truth indeed goes beyond both.

FRANKENSTEIN: THE INVISIBLE LEADER

Science, Religion and Market are in complicit roles and the corporate forces take over the leadership of this self-evolving racketeering. This 'new Frankenstein' that rules the present world represents their combined brain and spirit. What is discussed here is this new Frankenstein's main features so that they may help the readers to closely identify the realities today and to devise ways out of the sticky, dangerous situation that mankind faces today.

In the chapter on technosphere, it is being shown that technosphere and biosphere are two mutually annihilating entities, and that they are on an inevitable collision course. The early symptoms of such a highly earth-shattering development have become openly visible with, for examples (among many), the highly erratic weather patterns, global warming etc. This frightening development has become unavoidable because of the highly EXPONENTIAL growth of the technosphere and its exponentially growing pollution and poisoning of the biosphere, leading to meltdown of most life forms and life-supporting organic environment on the planet.

Now let us closely examine the impact and the massive consequence of this exponential growth of pollution and poisoning of our Mother Earth.

Two ancient kings enjoyed playing chess, with the winner claiming a prize from the loser. After one match, the winner asked the loser to pay him by placing one grain of wheat on the first square of the chessboard, two on the second, four on the third, and so on, with the number doubling on each square until all 64 were filled. The losing king, thinking he was getting off easy, agreed with delight. It was the biggest mistake he ever made. He bankrupted his kingdom because the number of grains of wheat he had promised was probably more than all the wheat that has ever been harvested in his kingdom! This fictional story illustrates the concept of exponential growth, in which a quantity increases at a constant rate per unit of time. Exponential growth is deceptive. It starts off slowly, but after only a few doublings, it grows to enormous numbers because each doubling is more than the total of all earlier growth.

Or, consider another example. Fold a paper in half to double its thickness. If you could continue doubling the thickness of the paper 55 times, the stack would reach from the earth to the moon, 386,400 kilometers (240,000 miles) away. If you could double it 67 times, the folded paper would almost reach the sun, 149 million kilometers (93 million miles) away!

We are indeed living today in an exponential age of the man-made world that is progressing exponentially in every sector. In the first part of the chapter on technosphere, we will see two typical examples of the highly exponential growth of CAR and our dream HOME, the contents or components of which are also over 90% synthetics and thus highly polluting. Till the year 1800, there

were no cars or any motor vehicles on Earth. In 1900 there were only 4,192 passenger cars built in the US (the only country manufacturing cars then). In 2000, about 450 million passenger cars traveled the streets and roads of the world, according to *Automobile* (journal). And this is just one among the millions of other similar consumer products filled poisons that have grown exponentially during this period.

Environmental pollution is any kind of discharge of material or energy into water, land, or air that causes or may cause acute (short-term) or chronic (long-term) detriment to the Earth's ecological balance or that lowers the quality of life. Pollutants may cause primary damage, with direct identifiable impact on environment, or secondary damage in the form of minor perturbations in the delicate balance of the biological food web that are detectable only over long time periods. And this 'singularity' forward development is spiraling, with no end in sight.

Until relatively recently in humanity's history, where pollution has existed, it has been primarily a local problem. The industrialization of society, the introduction of motorized vehicles, and the explosion of human population coupled with the erection of their own mansion-like dream homes, however, have caused an exponential growth in the production of goods and services. Together with this growth has been a tremendous increase in waste by-products in the forms of noncyclical and non-biodegradable synthetics like plastics and other polluting matters.

The indiscriminate discharge of untreated industrial and domestic wastes into waterways, the spewing of thousands of tons of particulates and airborne gases into the atmosphere, the "throwaway" attitude toward solid wastes, and the use of newly developed chemicals without considering potential consequences have resulted in major environmental disasters, including, for example, the formation of smog in the Los Angeles area since the late 1940s and the pollution of large areas of the Mediterranean Sea.

Plastic pollution is ubiquitous in our oceans – but it does not belong there. Plastic pollution has been increasing exponentially with the widespread use of commercial and consumer plastics. In 2009, the global production of plastics reached 230 million tons per year. The amount of plastic produced between 2000-2010 exceeds the amount produced during the entire last century. Plastic pollution makes up 50 to 80 percent of beach litter, floating marine debris, and trash on the ocean floor. Researchers report that there is a huge "garbage patch" of floating plastic debris in the North Pacific Ocean where currents form a gyre that collects plastic pollution. There are other smaller ocean gyres, including one in the North Atlantic, where plastic is also accumulating. Plastic pollution, as a highly non-cyclic and non-biodegradable synthetic matter, is a primary threat to marine life and water quality, apart from other innumerable plastic created problems and crises on the land, soil areas.

Thus indeed, we are also exponentially depleting the earth's natural capital that supports and sustains life forms.

At this time, although the world fully knows that its business-as-usual attitude is highly catastrophic and imminently suicidal for mankind, it is pathetically not in any viable position to do anything about it today. Among other suicidal trends that have become endemic today is the highly contagious virus of consumerism. Consumerism, alongside its bedfellows, private and commercial interest, has infiltrated the very core of modern culture, profoundly affecting every aspect of our domestic lives. Though taken for granted, it remains a phenomenon of modern-day living. Along with TV viewing, it has become a cultural pastime, an all-embracing passion. We are instinctively driven to it on an unprecedented and monumental scale, and simply cannot get enough of it. For some individuals it brings liberation, for others enslavement. Many are so dedicated to shopping they are pathologically addicted, these so-called 'shopaholics' never getting enough of what they really want.

So entrapped in 'narcissism' have we become as a culture that many purchases, such as homes, cars, holidays, clothes, etc., have come to signify who we are and what we represent as individuals – consumer products as status symbols, reflecting lifestyle statements, prestige and power, displaying our social standing to the world.

Here, not only is our rate of waste generation changing, but the kinds of waste generated are also changing. Modern technology has resulted in a significant change in the character of wastes we generate, most of which are not only non-cyclic and non-biodegradables but also toxic to all life forms.

The link between shopping and emotional fulfillment is unmistakable. Shopping, beyond providing our basic necessities and satisfying physical needs, has a far-reaching agenda. Material possessions have become the royal road to happiness and contentment, their pursuit offering the promise of emotional security and well-being. Colourful and decorative wrappings and trappings, and countless soft-focused images of consumer products, invariably invite fantasy beyond what is presented. This is the equivalent of dressing up in order to heighten aesthetic appearance and appeal. On special occasions, such as Christmas and birthdays, we can all recall the way in which presents cast a certain spell, invoking a sense of wonder... and the anticipation of unwrapping them! At such moments, faced with the unknown, it is as though we are in the grip of some otherworldly presence. But, once unwrapped and in the clear light of day, the fantasy bubble bursts. The fully-exposed gift then inhabits a different order of existence and we rapidly experience a dissolution between appearance and reality; the original desire evaporates, bringing a touch of disillusionment.

Advertisements, as vehicles for narcissist and consumerist behaviour, pervade all the media and are an inevitable part of everyone's lives. The world of advertising forms a vast superstructure with an apparently autonomous existence and an immense influence. In this marketing strategies for a branded world, people are led by this contagious virus of 'shopaholics' of modern life that promote shopping much the way other *addicts* turn to drugs or alcohol.

Affluenza is the virus linking the relationship between resource consumption and environmental problems. Many consumers in developed countries have become addicted to buying more and more stuff in their search for fulfillment and happiness. Most people infected with this contagious 'shop-till-you-drop' virus have some telltale symptoms. They feel overworked, have high levels of debt and bankruptcy, suffer from increasing stress and anxiety, have declining health, and feel unfulfilled in their quest to accumulate more and more stuff. The inevitable consequence is that our *industrial civilization* is melting down, though we try hard to deny it. The meltdown is the result of fundamental structural defects in the exponential industrial growth resulting a correspondingly exponential growth of pollution with it. The tipping point is only recognized and acknowledged after it's too late. Exponential or non-linear growth is sneaky in that one minute things appear manageable, even benign, when in fact we are mere moments away from total saturation and death. That's the situation we are in now, having reached the limits of growth on a finite planet.

Now as we proceed to tackle and solve the problems and crises that have become highly catastrophic, threatening even imminent extinction of mankind, the single most step is to correctly understand the real cause or force behind all our problems, including this virus of consumerism, by properly diagnosing and pinpointing it and by giving it a NAME. "Do not attempt to cure what you do not understand", says that great maxim of medicine. Naming something means we find our experience of its nature within ourselves. Indigenous, wisdom-based cultures understand the natural power of finding the right name of a 'demon,' which is precisely what they would understand the pathogen to be.

Now coming to identify and name this 'villain-in-chief' of humans, many religions, for ages, called it as a mischievous spirit or devil; Bible described it as Lucifer. In later history, while Rousseau identified it as an all encompassing force putting "man in chain everywhere" and Hegel and Marx described it as widespread "alienation". However, Mary Shelly was the first to name this as a 'mechanical' (scientific) pathogen and called it 'Frankenstein'. Contemporary authors like Alwin Tofler diagnosed it as 'identity crisis' and indigenous author and professor Jack D. Forbes, who is known as one of the founders of the Native American movement, named this chief of virus as "wetiko", a Cree term which refers to a diabolically wicked person or spirit who terrorizes others.

I too had done my own studies to pinpoint this 'disease of civilization' and had converged on 'professionalism' as the 'villain-in-chief' of humans in my first book, *Story of Man - Layman*, in 1990.

It doesn't matter whether we refer to this trickster-like entity as a self-propagating and self-evolving racketeering or a virus, parasite, vampire, demon, or call it disease, a malignant egophrenia or a technical way of life called 'professionalism'. These various names are interchangeable, as they are naming one and the same thing. Even though each model has both its utility as well as its limits, there is no one definitive model for this so-called 'disease of

civilization’. When all of these models are combined and looked at together, it gives us a greater resolution and capacity to see what no one particular model by itself can reveal.

Now before we shortlist these names to one name as ours, it is worthwhile to have an overall view of the present condition of modern man so that the name may be aptly adopted. Let us now analyze the mind, spirit and intelligence of this virus of the ‘disease of civilization’.

EVOLUTION OF THE PROVERBIAL BLACK HOLE

It is an undeniable fact that the counterfeit of Nature, namely, the technosphere, which is relentlessly swallowing up our biosphere, will collapse like a house of cards, and the swarming human masses that are brought into being to sustain it will in turn find themselves deprived of even this imperfect means of sustenance. Many, on the economic front, visualize it as “a cartoon world”, and the bankers, seeing the post-modern economy exhibiting all of the classic symptoms of a bubble economy, are going wild with bank closures. This is a highly unexplainable and complex phenomenon that is developing itself as a chaotic black hole on Earth.

This self-propagating and self-evolving Frankenstein-like techno-racketeering, which has long been developing like the multi-level marketing net-works, has now become saturated by linking and selling itself to almost the entire humans on Earth and is now unable to sustain itself without its ongoing momentum of further selling or development which has come to a standstill. But due to its competence to be highly invisible and incomprehensible, it is holding on to its own, temporarily, but it can plunge into the big crunch – the proverbial ‘black hole’ – any time now. On the technology front, some others see it as the race towards technological superiority that is proving to be the last straw as the post-modern society climaxes to the inevitable, mortal fate of technological *singularity*, accompanied by many “associate apocalypse”. This is a highly unexplainable and complex phenomenon that is developing itself as a chaotic black hole on Earth. I can only explain it through a few following hazy comparisons:

- Imagine the situation of a nation of boxers left without any real competitors, and when boxing is the only trade/profession the people know. Surely, they will turn on one another, and, in the process, plunging the nation into utter turmoil – into a state of black hole.

- Or, imagine the condition of the Frankenstein without a prey/competitor, a situation which presupposes the existence of a world of humans who have suddenly become Frankenstein themselves or their followers or imitators and all the Frankenstein start turning towards one another.
- Or, imagine the situation of a nation where the only trade/profession of the people is pyramidal-like racketeering which has reached such saturation point that there is no one left to join it. The only option left for the racketeers is to spill over to the neighboring nations and eventually to the whole world – colonization to globalization – only for this massive net-work of racketeering soon to reach such saturation point globally and that they, while, turning their heat on among themselves and thus creating a black-hole-like situation on Earth, are now also looking forward to spill over to other planets like Mars and Venus.

Now for the humanity to survive beyond the technosphere will be as impractical as the hope of the technosphere to exist without the biosphere, when suddenly the biosphere, after long shrinking, ceases to exist! For example, uncontrollable financial globalism has become a controlling factor all over the world. Unfortunately, economic reality is not going to change even if all of us try to ignore as the world can now see “bubbles everywhere” in this world of “phony economy”.

This self-evolving and Frankenstein-like techno-racketeering has grown to such gigantic level that even the combined might of all the super powers – the globally wide military-industrial complexes, the global ‘think tanks’, CIA, KGB, MOSSAD, the terrorists and so on put together – may constitute even less than a hundredth of the might of this monster, thanks to the high invisibility and incomprehensibility surrounding it. Today not only have the states and people become powerless but also have the major players become clueless. It is as if the top racketeers themselves are infected by their own ‘Gambler’s disease’.

Can we rein in and hold back the self-evolving racketeering, especially when it has now become highly super human?

The mortal fact is that it has changed the planet, and changed it in large and fundamental ways. For example, the fossil-fuel economy is fast making our Earth uninhabitable. The world’s oceans absorb much of the carbon dioxide that the highly mechanized humans pump into the atmosphere, which comes largely from the burning of fossil fuels. But soaking up all of that carbon dioxide is slowly changing the chemistry of the oceans, which could amplify the effects of global warming.

Today global warming is undeniable; it’s our reality. Scientists say it is run-away global warming. Climate change is happening much faster than previously estimated. Once a slow-moving threat, global warming is speeding up. 90 million tons of carbon dioxide are being dumped into the atmosphere every 24 hours and the rate only keeps on increasing every next hour.

Extreme weather events are happening daily although news outlets are reluctant to label them the results of global warming. Why? Some of the major sponsors of TV news are oil and gas companies whose total focus on short term profits doesn't allow for a glance at the fact that their products are threatening the long term survival of human species. After all oil company executives will probably be dead before the Earth becomes uninhabitable.

Svante Arrhenius (1859-1927) was the first scientist to make the connection between the release of carbon dioxide into the atmosphere and global warming. He made over 10,000 computations by hand which resulted in his conclusion that a doubling of CO₂ concentrations in the atmosphere would raise global average temperatures by several degrees Celsius.

In 2010, the world experienced the hottest year since records have been kept, and ended the hottest decade ever measured. Year 2012 broke even more high temperature records. The growing absorption of CO₂ in the oceans is turning oceans into a corrosive acid bath killing off the coral reefs, shellfish and plankton, an important part of the food chain.

And the heat goes on spiralling while politicians, governments and large corporations, as part and parcel of the self-evolving racketeering, not only are not concerned but would do everything in their power to convince the people that there is nothing to worry about, that no precautions need be taken that everything is normal – just invest in the stock market and buy more automobiles.

China and India alone represent a population base of 2.65 billion people. And China is already the world leader in total CO₂ emissions with 90% of its population living on a survival wage. Now imagine the condition of our fragile planet when their wages and standards of living come to the American or Western level - the cutthroat competition is only to reach that level of “progress”. (As for a glimpse of the nature of business of this suicidally competitive doomsday market, please see subtitle, Slaughter Tapping, in chapter 15).

Since the last 100 years, there suddenly have surfaced tens of thousands of new types of sources from which huge quantities of CO₂, heat and other gas pollutions are dumped into the atmosphere. Over 450 million passenger cars and almost an equal number of modern hi-tech synthetic homes are just two of these types. As for its massive adverse effects on the environment and climate, it is a fact that within our generation, whatever climate we were used to will be a thing of the past, if at all mankind has a chance to prolong its survival (discussed in detail in *chapter 5*).

The report issued on September 27, 2013 by the UN's intergovernmental panel on climate change (IPCC) may sound similar to the one issued five years ago – after all, it says that humanity is causing climate change, though with more certainty. But on two key aspects this report has categorically said what was never said before.

What we normally forget when talking about the amount of CO₂, is the significance it has for human (and other creatures) health. Above 425 ppm

in the atmosphere the health problems will become more severe, because the blood will slowly be more acid. This will affect blood pressure and other degeneration related illness on living species, especially humans.

How scientific and robust are the IPCC's statements and predictions? The whole process involved 9,200 scientific studies, reviewed by 1089 experts from 55 countries working in a multistage process. They received 54,677 comments from scientists across the world. Over 2 million gigabytes of numerical data was analyzed before 209 authors put together the draft report. Then representatives of 195 countries went over it word by word.

The scientists have faced sustained attacks from the so-called skeptics, often funded by "vested interests" (according to the UN), who try to pick holes in each item of evidence for climate change. The experts have always known they must make their work watertight against such an onslaught, and every conclusion made by the IPCC must pass scrutiny by all of the world's governments before it can be published. This latest UN environment report has the following highlights:

- Each of the last three decades has been successively warmer at the Earth's surface than any preceding decade since 1850 in the northern hemisphere [the earliest date for reliable temperature records for the whole hemisphere].
- Carbon dioxide concentrations in the atmosphere would be more than doubled from the present to the next 80-odd years.
- Heat waves are very likely to occur more frequently and last longer. As the earth warms, we expect to see currently wet regions receiving more rainfall, and dry regions receiving less.
- Since the 1950's it's "extremely likely" that human activities have been the dominant cause of the temperature rise.
- The world's leading climate scientists, who have been meeting in all-night sessions in the Swedish capital during the early week of September 2013, said there was no longer room for doubt that climate change was occurring, and the dominant cause has been human actions in pouring greenhouse gases into the atmosphere.
- The report has a clear implication for our fossil fuel consumption, meaning that humans cannot burn all of the coal, oil and gas reserves that countries and companies possess.
- The oceans have acidified as they have absorbed about a third of the carbon dioxide emitted.
- Continued emissions of greenhouse gases will cause further warming and changes in all components of the climate system. Limiting climate change will require substantial and sustained reductions of greenhouse gas emissions.

As for the fast shrinking biosphere hitting the tipping point level that is illustrated by one among hundreds of examples is the warming Arctic that alters

the atmospheric jet streams, bringing in its wake embedded droughts similar to the 2012 blistering drought, the worst drought in history. More critically, the warming Arctic is flat-out releasing methane into the atmosphere like there is no tomorrow, threatening to heat up the entire planet, which, over time, could turn into a worldwide scorcher, possibly triggering an extinction event.

Based upon eight (8) joint Russian/American scientific expeditions into the Arctic under the aegis of the International Arctic Research Centre at the University Alaska Fairbanks, methane fields of a breathtakingly fantastic scale have been discovered with plumes over a half-mile wide spewing methane directly into the atmosphere in concentrations 100 times higher than normal. The Russian and American scientists have never before experienced anything of such magnitude, and in addition to powerful emissions from shallow waters where over 100 readings were recorded, it is spewing up from within cracks in the Arctic ice in the open seas far from land.

Moreover, the quantities of methane in the continental shelf alone are so huge and overwhelming that only 1% or 2% of the methane released could lead to an unstoppable chain reaction of runaway overheating of the planet. The fact that the sudden development of a warmer and more acidic ocean has many associate apocalypses to follow is yet another episode.

We, as modern mankind, are traveling on a hi-tech mechanical vehicle called modern society or technosphere the expiry period of which seems to be abruptly coming to a close, according to the makers of these 'vehicle', namely, the scientists and experts. It is self defeating and highly suicidal not to admit this mortal reality. For, every man-made device, including the modern society has its own limited life span and an inevitable expiry date, unlike Nature-made organisms and matters which are infinite as they are cyclical in their natural evolutionary process. Now those who are reluctant to admit these vital realities are either chronic addict to modern system (99%) or are simply being mechanical, with linear brains.

But, who will bell the cat?

"Belling the Cat" is an old English fable that tells about a group of mice who debate plans to nullify the threat of a marauding cat. One of them proposes placing a bell around its neck, so that they are warned of its approach. The plan is applauded by the rest mice, until one mouse asks who will volunteer to place the bell on the cat. All of them make excuses. The story is used to teach the wisdom of evaluating a plan not only on how desirable the outcome would be, but also on how it can be executed. It provides a moral lesson about the fundamental difference between ideas and their feasibility.

It is clear that in mediaeval times the fable was applied to political situations and that British commentaries on it were sharply critical of the limited democratic processes of the day and their ability to resolve social conflict when class interests were at stake.

I hear from people all the time that say that they think someone should do something about the way things are going and I agree; however, I am concerned that every one of us is waiting for the cue to do something revolutionary and the biggest fear of all is that there are people out there that would rather speak with their guns rather than think with the brains.

Now regarding the knotty question as to who will arrest this Frankenstein-like techno-racketeering that is phenomenally and acceleratingly growing as a giant pyramidal structure, the subject seems to be as imminently critical as it is immediately suicidal for those trying to question this terminal menace. Today almost all the present leading super power nations, systems and institutions are top beneficiaries of this Frankenstein even though they have now come to privately admit that it has caused and developed far more problems - most of them now developed to their catastrophic level - than the benefits and solutions this mechanism has provided.

This means that all the present beneficiaries, including the leading super power nations, systems and institutions, of this techno-racketeering, have to sacrifice their present preeminent positions and statuesque before even start thinking of undertaking any salvage operations to defuse this phenomenally and acceleratingly growing explosive situation. But even then, there still remains a more sticky tight spot: all the present leading super power nations – either individually or collectively – even in collusion with their present adversaries like the global extremists, can pose only very feeble or inconsequential challenge to this fast growing Frankenstein unless they can, in this endeavor, take the whole world of mankind into confidence which, in the present context, looks highly unlikely. For, the newly emerging set of fresh super powers like China, India, Brazil and so on are the ‘new brooms’ that are out to clean even the roof.

The present global crises are the consequential effects of ‘progress’ achieved by about 10% of global populations comprised of US, former USSR, Europe and Japan, as they patronized this techno-racketeering in their ‘development’ which has, among other ill-effects, already poisoned almost 50% soil, water and air on Earth far beyond tolerable limit. Now imagine the fatal predicament when about 60% of the present global populations, comprised of China, India, Brazil and so on, start going for ‘Westernization’ by patronizing this Frankenstein-like techno-racketeering in right earnest which exactly is what is underway in the world today. For example, China, with their energy-driven heavy industry to generate growth, and with low-tech factories and shoddy products, is experiencing an Industrial Revolution about ten times the speed that it occurred in the West. In addition, China reportedly is the world’s largest electronic waste importer. It has lately been reported that most Chinese drinking water sources, especially Chinese rivers, have become poisoned due to massive pollutions flowing from this accelerating industrialization ‘leap forward’ drive that is dependent upon cheap labor and scant pollution safeguards, and that China will soon have to import drinking

water from other nation where there may be some unpolluted water left (more of it explained in chapter 4).

The case of India, widely branded as the next super power, is no different, as are the cases of massive 'Westernization' processes in progress in many hitherto 'developing' and 'undeveloped' nations on Earth, and the resultant further massive poisoning of soil, air and water sources that is going on unabated everywhere.

As the number one super power, America may be regarded as the leading nation on Earth today. But comparing America to the present stature of technosphere (Frankenstein), which is fast expanding by swallowing up the life-sustaining vital biosphere from everywhere, including America, the might of the present technosphere is certainly hundreds of times bigger than America. Well, many readers may have difficulty to grasp this reality. Now consider another fact, on the health of American people. From many studies and surveys, it has been established that almost 95% of Americans are suffering from some kind of degeneration diseases, especially obesity, cancer, hypertension and the like. And almost all degeneration diseases are the 'gift' of modernism which we conveniently brand as modern lifestyle.

This means our macro Frankenstein-like techno-racketeering has entered the body of each American in the forms of trillions of micro Frankenstein which exactly are what we call the micro FREE RADICALS that cause all degeneration diseases. As the shrinking biosphere began to produce less and less antioxidants (antioxidants are the soldiers for fighting and nullifying the damaging free radicals), the fast expanding Frankenstein-like techno-racketeering goes on producing more and more free radicals, and in millions of times in fold. (More of it explained in chapters 4, 5 and 10).

Now imagine the features – both physical and mental – of one who is afflicted or colonized by this endless troop of micro Frankenstein called the free radicals. We know that the obese or diabetic people exhibit some sort of greedy, stressful, restless behavior and they have abnormal craving in eating. The degeneration disease renders them passive and parasitic. Similar is the case with other degenerative diseases. Degenerative condition corrupts the person physically and mentally. Many fatal degenerative diseases destroy the nervous systems of its victims and render them inward-looking, cold, withdrawn and always wrapped up in their uncertain thoughts. They are generally suspicious of outsiders and towards new ideas. (More of it explained in the sub-title *Altered Behavior* in chapters 4 and 10).

This means 95% of Americans, Russians, Europeans and Japanese are the helpless followers of the Frankenstein-like techno-racketeering. Well, the case of China, India, Brazil and other fast 'progressing' third world nations is fast going to be much worse if some rescuing operation is not undertaken immediately.

Surely, this is a 99.99% versus 0.001% kind of challenge in which Frankenstein-like techno-racketeering holds the massive advantages that

include its enormous capacity to remain invisible and incomprehensible of its massively destructive features. Despite my best effort to convince even my own children regarding the catastrophic dangers posed by this Frankenstein, I can only witness the success of this techno-racketeering in winning them too to their side. For, in a world ruled by the market, majority and media (TV, computer, mobile phone etc.), even parents become purposeless and meaningless, and even as outsiders in their own homes.

I know that all humans in the world are very much worried about the growing insecurity of their life as well as the life of their children and their grand children, and that their only obstacle in finding the lasting solution is the growing vagueness of some popular alternate solutions. I have long been contemplating for sometime, as to how we as humans can change the course of our history and if we can't "bell the cat" we can most certainly find a way to set aside our anger and cynicism and apply some commonsense. Can truth prevail over partisan nonsense and bickering?

However, I see lots of hope for a lasting solution to this menace despite the fact that many odds are prevailing against mankind today to the monstrous level of 99.99% advantage. For example, despite my years long effort to make my own grown-up children understand these realities, I have not been successful and they still consider all my effort as foolish and waste of time. It is not that my children (all the three are married and having children) are not unaware of the dangers posed by the modern Frankenstein menaces but it is largely because of my inability to provide convincing alternate solutions, and the miserable failure of many such alternate solutions in a world ruled by the market, 'majority' and media (the highly commercialized TV, computer, mobile phone etc.).

On the other hand, my hope for the lasting solutions is based on this simple fact: despite all the Earth-consuming size and strength of this Frankenstein racketeering, it simply cannot stand against a single pristine human being or layman, and that it cannot stand on its own without the blind support of the innocent lay people from whom it derives its strength through this techno-racketeering. Here, let us be guided and motivated by the lessons and philosophy of Gandhiji: Gandhi had the courage to speak his mind and own responsibility for what he said and did. There were times when he found himself flowing against the current. There were times when he found all his friends, all his supporters in disagreement with him. There were times his candidate lost for the post of presidency of Indian National Congress against Netaji Subhash Chandra Bose, another stalwart of our freedom struggle. Yet, he never lost a friend, including Netaji Subhash Chandra Bose.

As for the detailed steps in this war between sweet lies versus bitter truth, I hope to tackle this techno Frankenstein by using the bitter truth through the same but reverse technique – reverse racketeering or developing the pyramid from the bottom. (Discussed in more detail in chapter 19)

THE MAIN ARGUMENTS

This book is an ARGUMENT. In proving industrial civilization as a self-evolving mechanism of technoracketeering, I am highlighting, as the central characteristics of this Frankenstein problem, certain basic premises which I have taken up for this study and which largely shape its conclusions. These premises are:

- Long patriarchal domination of early modern civilization led to endless societal split
 - Science is masculine and it endures in its unending immaturity
 - Mechanization is the sole methodology in modern society and it has become the source of all wrongdoings
 - Mechanization, degeneration and capitalism are proportional and they jointly reinforce one another
 - Industrial Revolution, as the biggest, undiagnosed infectious disease, is the most Earth-shattering and longest war on all life forms, including humans
 - Modern humans have become the parasites feeding on others of the same species
 - Scientific thinking is the symptom of mental illness
 - Growth of corruption is directly proportional to the success of money force over mankind
 - Consumerism marks the chronic stage of the sick society
 - Sex and values are proportional
 - Growing of sex crisis
 - The neutering of mankind and the era of gender-neutrals
 - Religion and science: the two mass polluters
 - Lifespan of the technosphere is inversely proportional to the lifespan of man
 - As the new macro free radical, modern man is the terminator seed of mankind
 - As a huge man-made structure, modern society is a giant foreign body on planet earth
 - Modern world is fast degenerating as the 'gangdom' of global corporations
 - No shortcut to solution
 - 'The meek shall inherit Earth'
- LONG PATRIARCHAL DOMINATION OF EARLY MODERN CIVILIZATION LED TO ENDLESS SOCIETAL SPLIT

How did war, domination and violence suddenly become part of human nature?

Patriarchy is a system of male dominance, rooted in the ethos of mechanization, division, war, violence and conquering. When Heart and Mind dissociate, sooner or later, the Mind (man – the rational) wrests control away from the Heart (woman – the loving and the unreasonable) and assumes the job of “head-of-state.”

Patriarchy and its later form Masculinism are mostly aligned in favor of advantages for a few at the top, and at the expense of disadvantages for all the others. Apart from being unnatural, both patriarchy and masculinism are, in themselves, contemptuous of life, parasitic, splitting and martially dedicated, finally, to destruction. Violence is degenerated masculinity and it marginalizes and alienates women. The symptoms of its subsequent emergence are evident in the Judeo-Christian, Greek and legal cultural paradigms. These attitudes were also largely interwoven in European and American values.

Pinpointing the origins of patriarchal thought and practice is as elusive as trying to identify who invented the wheel. Suffice it to say, patriarchy arose roughly 3,000 years ago in a very few sections of elite society and has discombobulated our planet ever since. Literally, in between the long patriarchal epochs, there were also certain matriarchal regimes which practically differed little from the patriarchal pattern, except that they could be best recognized as some sort of de-graded or degenerated patriarchy, for instance, the regime of Queen Elizabeth 1 (1558-1603)

Here I don't see patriarchy or masculinism as anything much different from their subsequent and ‘remedial’ offshoots like matriarchy or feminism. They, like capitalism to communism, are simply the two sides of the same coin – each existing because of the other and therefore promote one another. That is why today's feminism is widely branded as the ‘real’ masculinism, like the latest generation Chinese communism is not only adopting market capitalism but also going many steps further. The fact may be that the feminism we have today is indeed the degenerated version of masculinism.

Patriarchy also has a strong influence on modern civilization. Actually the present world is ruled by the force of degenerated masculinity or patriarchy, no matter it has strong feminist influence. Masculinity becomes degenerated when it is separated and remains isolated, as it turns more and more competitive, divisive, warring and militarist.

The Western patriarchal way of thinking is based on “dualism.” Dualism is a world view that splits mind from body, spirit from matter, male from female and humans from nature. It thereby creates imbalanced power relationships by dividing entities in half, according one side of the equation greater worth over the other. These dichotomies give rise to an “other” which is then demonized and discriminated against. The patriarchal mindset is often referred to by academics as the “dominant/subordinant duality paradigm.”

The concept of “female” and “male,” however, are social constructions and not innate qualities. Both men and women share in the pool of human character traits, some of which came to be categorized as “female” and “male”

after dualistic thinking took hold. Earlier egalitarian societies were the balanced synthesis of traditional “male” qualities that in appropriate contexts have value, such as competitiveness, individuality, assertiveness, leadership, and intellectuality with traditional “female” qualities that are cooperative, nurturing, supportive, nonviolent and sensual. These societies did not perceive the intuitive, emotional, anarchic, and earthy feminine traits as negative.

In the context of known period of human history, women’s sexuality has only recently been bought and sold as a commodity. Claims that prostitution is the “oldest profession on earth” are simply nonsense and insulting. The nuclear family trend grew out of the practice of woman as man’s private property.

The Burning Times was a misogynist holocaust in European history when tens of thousands (some say millions) of people, mostly women, were tortured and murdered. Persecuted as witches – branded as *witch-hunt* – the political agenda of the Church and State all but obliterated the accumulated wisdom of ancient wise-women’s ways. Today FEMICIDE has reached epidemic proportions. Worldwide statistics show that up to 100 million women are “missing” because of a preference for male children. Infant females are disproportionately aborted, killed at birth, or die through neglect.

We, as a species, are in an arrested state of adolescence as insecure egos (mostly males) compete for unrestrained power and attention. (More on this topic discussed in chapter 11: Immature Civilization Builders and Psychopathic Societies)

- SCIENCE IS MASCULINE AND ENDURES IN ITS UNENDING IMMATURITY

Sir Arthur Conan Doyle’s Sherlock Holmes is an early, almost the earliest, example of the detective hero. As a hunter, Holmes’s goal is the same as that of the earliest societal groups – preservation of society. However, Holmes has a more interesting quarry than mere sustenance and better tools for his hunt. His quarry is those who would fracture society, morally more than physically, and he uses the newest and most intellectual weapons available to the Victorian – the sciences of logic, psychology, and chemistry. As a hunter, Holmes provides an exceptionally striking example of sharp rational traits of masculinity to Victorian society.

Any gender theory will teach us that there is a distinct demarcation between masculinity and femininity. The former is identical with reason, which leads to an ambition to have control over nature and seek singular truth. It is also emotionless and violent. In short, the spirit of masculinity is the spirit of domination.

In “advanced” Europe, much of the population, during early modern civilization, lived in serfdom. Life was brutal, nasty and short. Europe has also been one of the most militaristic and bloody continents in the world.

This constant warfare and aggression led to “advances” in technology but the standard of living was not that great for the average person.

Patriarchy within the scientific community is manifested through male control of elite positions and various exclusionary devices. The very fact that almost all the prominent theorists and builders of modern science like Sir Francis Bacon, Rene Descartes, Isaac Newton, Albert Einstein and the like exhibited highly chauvinist and patriarchic traits, which is enough proof to vindicate the masculine features of modern science. The scientific method incorporates masculine features such as the objectification of nature. Scientific knowledge is masculine in its neglect of women’s experience and its adoption of paradigms built on assumptions of competition and hierarchy.

Science is based on the professional creation and certification of knowledge which is tied to powerful interest groups, notably the state, corporations and the scientific profession itself. Patriarchy is based on male control of dominant social structures with the exclusion of women from positions of power through means such as direct discrimination, socialization and the gender division of labor. (Discussed in more detail in chapter 11)

- **MECHANIZATION IS THE SOLE METHODOLOGY IN MODERN SOCIETY AND IT HAS BECOME THE SOURCE OF ALL WRONGDOINGS**

Sinning is not natural. It is mechanical. The only sin in Nature is mechanization. It is the root of all evils in Nature. No species, among the millions of species in Nature, commit sin or indulge in any wrong doing except modern man. Most modern scientists, experts and professionals have diseased mindset and this development has a genetic basis.

Incessant mechanization results in degeneration of all organic matters and all life forms in Nature. Degeneration brings inward looking traits in the affected species. Because degeneration has largely affected the ‘developed’ or the elite group of the world, the inward looking traits or reactionary thinking too started from the developed part of the world. Modern science itself is an ‘invention’ of the degenerated mind.

- **MECHANIZATION, DEGENERATION AND CAPITALISM ARE PROPORTIONAL AND THEY JOINTLY REINFORCE ONE ANOTHER**

Today we live in a world which is lost to degeneration due to mechanization by the top social class that led to the social disease called capitalism.

Free-marketism, the degenerated form of capitalism, is the chronic stage of this social disease; the ongoing degenerative diseases are its physical form. Both capitalism and degeneration go on feeding on each other. Capitalism is

a social system born out of moral decay and the subsequent degeneration of society. Degeneration brings about *capitalist way of thinking* in human beings and in their culture. First came the mechanization of life, to be followed by degeneration of the body and mind that eventually contaminated social system thinking. Mechanization led to degeneration which weakened man, and, as a parasite, he began to exploit another healthy human being by bending social ethics, and thus capitalism was born. Thus mechanization is oldest of the three vices and it started it all. While monarchism is the early benign form of capitalism, market economy and 'virtual capitalism' are its latest degenerated forms. Socialism and communism are simply the complications of capitalism. (More on this topic discussed in Chapters 7, 9 and 15)

- **INDUSTRIAL REVOLUTION IS THE MOST EARTH-SHATTERING AND LONGEST WAR ON ALL LIFE FORMS, INCLUDING HUMANS**

Industrial Revolution that kick-started the modern industrial civilization, which accounts for only a split second in the twenty-four hour time-clock of millions of years long mankind's history, is proving to be a highly nightmarish and costly experiment that is brimming with pitfalls capable of instantly sending the whole human society packing into virtual extinction at any time now. As the 'mother' of all other man-made and machine-made revolutions and cascading into many scientific breakthroughs, Industrial Revolution still goes on cascading into many bigger revolutions that indeed are proving to be real catastrophic wars on all life forms on planet Earth. (Discussed in detail in chapter 3)

- **MODERN HUMANS ARE THE PARASITES FEEDING ON THE SAME SPECIES**

No other species, except modern man survive by exploiting another of the same species. Among the millions of species, including the humans, it is only the modern man who depends exclusively on the exploitation of another of his own species. As a widespread social malice institutionalized by state and societies, exploitation of man by man is largely a modern history phenomenon. This has happened primarily because of the development of modern science and modern hi-tech market that patronized exploitation as its main plank of progress. Otherwise for millions of years man lived exploiting only Nature and other species.

The concept of parasitism is defined as the degenerated system of existence. This book presents the various facets of shapes that the chronic stage of PROFESSIONALISM has reached by converting the once wholly productive and organic 'noble' mankind that has now turned massively parasitic, and

also exposes the looming catastrophic dangers it poses. Putting it plainly, modernism may be summarized as a super bug that has far outgrown its host, namely, human society. That is, mankind today is suffering from an advanced stage of parasitic infection by the parasites of its own kind.

The evolution of man, as a parasite, is indeed a regressive mode of evolution. As a parasite, man, along with his society, is ending up less diverse, less complex and genetically simpler. In the shrinking process, every aspect of man or every human field is on the reverse mode of development or is on *devolution* mode of development.

All delusional systems tend to become parasitical, simply because there is resistance to feedback and because the internal needs of the system eventually take precedence over health and the carrying capacity of the host. Social systems and institutions, not keyed to natural functions, or oblivious to natural functions and their necessity, become the carriers and enforcers of this serious cultural pathology. Almost all the life threatening diseases, all over the world, today may be categorized as the diseases of the parasites – diseases born out of a lazy hedonistic age which the world today broadly identify as lifestyle diseases. (Discussed in more details in chapter 7: Devolution of Man as a Parasite)

- **SCIENTIFIC THINKING IS THE SYMPTOM OF MENTAL ILLNESS**

As the most unstable, dependent, reactive and parasitic species – as the macro free radicals – nearly all modern humans live in an artificial environment or in virtual reality. They live in the Matrix. Nothing that they know or think that they know may be real.

Descartes conceived of animals as soulless machines and created the basis for the modern materialist attitude to life and world-view. With broken spirituality, modern man is not fully human, but only a soulless mechanical species. Mechanization causes split and this split becomes the ground for instability, compartmentalization, separation, isolation and uprooting of humans from his wholistic bond with Nature and thereby causing the inevitable degeneration. Thus the mechanical process leaves humans in a ‘free radical’ state, thereby bringing addiction, instability, violence, stress and all those characteristics associated with mental disorders. . (Discussed in more detail in chapter 11, under the sub-title *Scientific Thinking is the Symptom of Mental Illness*)

- **GROWTH OF CORRUPTION IS DIRECTLY PROPORTIONAL TO THE SUCCESS OF MARKET FORCE OVER MANKIND**

As an old social evil, corruption is part of the characteristics of a degenerated state of mind. Corruption is to the mind of human society what cancer is to its body. Just as a degenerated state of the body is home to a number

of degenerative diseases like obesity, diabetes, hypertension, cancer etc., a degenerated state of mind is home to a number of societal degenerations like mechanization, professionalism, middlemanism, corruption etc. Now, this study is about the close affiliation between the corruption of the mind and corruption of the body – as how the one type of corruption becomes the breeding ground for the other types of corruptions, and as to how the social degenerations like mechanization, professionalism and middlemanism further lead to the degeneration of the material body by spreading degenerative diseases like obesity, diabetes, cancer etc, on the other.

Today corruption is identified as the biggest social disease of the present hi-tech and market-led human society that can survive only on the ‘strength’ of more and more laws and equations that inevitably leads to more corruption. As Tacitus, in AD 69, wrote in *Annals*, “The more numerous the laws, the more corrupt the state”. Beginning with the onset of Industrial Revolution and, its latest corollary, the corporatization of modern society, man today is disciplined by various ‘welfare’ state machineries like the political police, medical police, science police, art police, religion police, education police and so forth that are commercialized – and therefore corrupted – to the core. And man has today ended up as the worst victim and slave to the corruption of all hues. Money in post-modern politics, like most other sectors in the world, corrupts absolutely. Money is all that is needed for smarmy politicians to turn their backs on the future of their own children. As market forces go on winning the race, corruption is all set to ultimately cannibalize mankind itself (more in *chapter 15*).

- CONSUMERISM MARKS THE CHRONIC STAGE OF THE SICK SOCIETY

We are living in a sick, morally degenerate, and pleasure-mad world. Our society continually demands entertainment, amusements, and pastimes at an ever-increasing level. In other words, entertainment, amusements, pastimes are things which keep us busy – busy avoiding the realities of life.

Post modern world has become “The Society of the Spectacle” which alienates people through a mediated and commoditized social environment where its consumers become the consumers of illusions. In the new digital millennium it seems that desires are not controlled, yet they are acceptable as long as they are associated with a market product, channeled through and stimulated by the media.

Today we are the market product. We are being sold as targets to advertisers, according to the contents we read, hear or view and produce on the media – newspapers, TV, Net etc. Here people are programmed to live a life that is merely a representation of a real life. The market, first takes away our real needs for connection and authenticity, and then offers a pale reflection of

the real – making us always thirsty for a real which will never come. Through technology, needs have been created in order to sell solutions. And the hi-tech market doesn't even require much in the way of commodities any more, since it is represented digitally – leaving us becoming consumers of illusions.

But if entertainment succeeds in its first goal of making man busy it fails miserably in its second: happily busy. Never has there been so much restlessness, dissatisfaction, and yes, unhappiness – in spite of the millions who immerse themselves in modern-day entertainment. Despite our freedom from poverty, our multiplication of opportunities in nearly every walks and aspect of life, in addition to our continual drinking in of entertainment, no age has been as unhappy as modern man.

Entertainment – today it is business, pure and simple – can never give enough; it always leaves an empty feeling behind. The more it is practiced and relied on, the emptier it becomes. It has turned our society into an object of pity, for we are victims of our own system. Society goes full cycle, from being pleasure-hungry to pleasure-mania to pleasure-boredom.

At the very heart and center of our modern entertainment spirit – and therefore, mental decay – stands TELEVISION. This is an obvious fact. Television sets are in 97% of modern homes and 91% of all television time is dedicated solely to the purpose of entertainment. Entertainment-addiction and television-addiction cannot be separated from each other. Modern man has become the worst victim of exploitation by the entertainment industry. Due to the combination of the reigning of unrivaled “ready made opinions” and inflated mass media, the presentation of news and current affairs – including politics – ends up as entertainment.

- LOSS OF INTEREST IN LIFE BECOMES ALARMLINGLY WIDESPREAD

Why do more and more people have very low self-esteem? Why is human passivity becoming more and more widespread?

An authentic human can only be enthusiastic to be alive. But the reality is that an increasing loss of interest in life is becoming more and more widespread. And surprisingly, some sort of a growing “celibacy syndrome” is gripping mankind, and it is considered a very catastrophic development.

Millions aren't even dating, and increasing numbers can't be bothered with sex. The number of single people has reached a record high all over the world today. A survey in 2011 in America found that 61% of unmarried men and 49% of women aged 18-34 were not in any kind of romantic relationship, a rise of almost 10% from five years earlier.

Who/what is responsible for their “celibacy syndrome”? Discussed in more details under the subtitle *Shrinking Sex* in chapters 9 and 13.

- SEX AND VALUES ARE PROPORTIONAL

Sex is like meditation. But unlike meditation, which we normally do alone, sexuality offers the incredibly blissful feeling of becoming one with another as we merge with our own most beautiful and natural self. Under the right conditions it is something we want to do as often as possible, and thus we can mix one of the deepest pleasures in life with the growth and evolution of our souls.

Humanity needs some kind of grand unification theory of sex that touches upon its spiritual, emotional and mental elements as well, one that deals flat out with the physical level of the flesh. We all need guiding visions that offer beautification to our sexual selves. Though sexuality involves many subtleties its effects on our destiny is in no way light. From puberty and afterwards, sexuality is a force that shapes or dents our life, affecting us by bringing us to cliffs of shame and guilt or to a heaven of ecstasy, love and compassion for the fellow beings.

Physical pleasure has moral value. When pleasure becomes exquisite we begin to touch on the deepest reaches of our beings and this is something that happens only when we find ourselves well past the limits of our minds. However, some traditional religious and social views have often condemned pleasures of the body as “sinful” or “wicked.” These attitudes are but inhumane. They are destructive of human relationships. The findings of the behavioral sciences demonstrate that deprivation of physical pleasure, particularly during the formative periods of development, often results in family breakdown, child abuse, adolescent runaways, crime, violence, alcoholism, and other forms of dehumanizing behavior. We assert that physical pleasure within the context of meaningful human relationships is essential – both as a moral value and for its contribution to wholesome social relationships.

Human values, as social forces, are the universal moral values required for survival of the species. Here sex and values are proportional. That is, where there is natural sex, there are human values or, to be precise, sex helps the growth in human values. Any mechanical attempt to discriminate one against the other, life turns inharmonious and mechanical; whereas when both go hand in hand, life becomes meaningful and fruitful.

However the world today laments the wholesale erosion of human values from modern society and tries, especially by religions and other social activists, to instill some values in modern humans through other means. But the results is not only not bearing fruits but is also causing the further erosion of what is now left as values from society, as we go on developing to newer heights of ‘progress’. The fast shrinking and loss of values like trust, freedom, love, emotions, sensations, inner forces, will, and other higher mental and spiritual formulations of individual and collective existence of moral reasoning, like

sympathy for others, compassion, sense of beauty etc., have all led man to passivity and dormancy. But few seem to have taken note of a corresponding development in another fundamental human aspect: fast shrinking sex. Many of us are scared and carry deep wounds that surface in the world of our sexuality.

Now the question is as to what we lost first – values or sex – that caused the demise of both. Of course, mechanization and the resultant degeneration also caused loss of fertility and sexuality. Then mechanization and its upshot corruption also cause the erosion of values.

Examples galore for this dismal erosion of human sexuality everywhere in postmodern society. “Japan is in danger of heading for extinction after researchers found that more and more of the country’s young people are shunning the idea of marriage and having children. One in four unmarried men and women in their 30s say they have never had sex, and the majority of young women prefer the single life. A record 61.4% of unmarried Japanese men aged between 18 and 34 have no girlfriend, up 9.2 percentage points from 2005”, a report of the National Institute of Population and Social Security Research in Japan said.

Thus it is established that freeing our sexual selves is vital if we are to reach the heights of our full human potential. Thus sex is relative to human values: human values increases with sex. (Discussed more in detail in Chapter 13: Rape of Mind)

- GROWING SEX CRISIS

Developments of sex starvation and sex atrophy and the resultant neutering of mankind, as global epidemics, are catastrophic developments which are unique to industrially ‘civilized’ humans. No other species, among the millions of species, including the pre-modern humans, suffer from this mortal fate. Today no class/category of modern humans – from the ordinary to the top class celebrity – is immune to this hazard.

Dualism, reductionism, feminism, man-woman split and sex commoditization and exploitation have all contributed to the spreading of the great sex crisis which led to the growth of masses of sex-starved people, on the one hand, and the development and growth of masses of sex-atrophying psychopathic groups, on the other, and both the contradictory groups naturally going on rampage. While sex starvation is closely linked to dwindling sex drive and sex atrophy of the opposite sex (usually women), this development has given rise to the growth of further split and psychopathy in both the sexes, only to be suitably exploited by the market-industrial culture. The tragic result is the growing male-female split, broken homes, societal degeneration, the epidemic of sexual violence, rape, gang-rape etc. (This topic is discussed in detail in *chapters* 11, 13 and 14)

- **THE NEUTERING OF MANKIND AND THE ERA OF GENDER-NEUTRALS**

As the new macro free radical, modern man is a solitary creature and it grows as a new species that is much detached from the rest of mankind, as though it is an open enemy and a disgraceful neuter to natural mankind that existed on Earth since millions of years. A few last centuries of social and material engineering – “civilization” – has led mankind to a new type of human being that persists to filter out all the “unwanted” human characteristics, altering, in this way, innate human nature and degenerating human spirit into indistinct oblivion. Today mechanization and the resultant degeneration is turning modern man into a species of singled-celled parasitic asexual.

Most leaders in the world - both in the ruling and opposition -- are obese, diabetic and hence impotent. Thus most governments in the world are impotent. Degeneration unmakes humans - it converts them from beings to nonbeings -- particularly sex-wise, by the fast erosion of manliness and womanliness. And thus, they are not in any position to think of any drastic alternative political/social models in governance and thus unable to bring any basic or lasting solutions to the problems of mankind.

There is no conspiracy here, no invisible entity directing things from the shadows. We might even say that the process is ‘natural’ and it is the consequence of a normal social progression that started in the late modern “civilized” unit and has resulted in the emergence of a huge socioeconomic machine – in a human shape – with its own logic and interest and leveling and eradicating everything human in its path. (See ‘Chapter 14: Neutering of Mankind).

- **RELIGION AND SCIENCE: THE TWO MASS POLLUTERS**

Large-scale institutionalized oppression has its roots in the market-guided development of modern science and religion. As the ‘academic’ splitter and isolator of every wholesome (matter) on Earth that led to its degeneration and decay, SCIENCE has become the mass material polluter. And RELIGION, as the ‘divine’ splitter and isolator of the natural/organic spirituality that led to the degeneration and decay of spirituality, has become the massive spiritual polluter. Thus, while religion eroded the moral/spiritual values from human society on the wholesale, science eroded the physical/material values from human society on the wholesale (Discussed in details in chapters 6 and 13)

- **LIFESPAN OF THE TECHNOSPHERE IS INVERSELY PROPORTIONAL TO THE LIFESPAN OF MAN**

This is a natural law or equation linking the lifespan of man and lifespan of man-made institutions or systems. According to this law, lifespan of man and

the lifespan of man-made institutions like government, education institution or factory cannot exist for longer duration than lifetime of their respective erectors/makers, namely the people of that time. That is, if the lifespan of such man-made system goes longer in time it is certain to cut short the lifetime of its maker, that is man, and vice versa.

No species, including the pre-modern man, made any device or institution that is intended to outlast the lifespan of humans who instituted or erected them so that their next generation may make use of it. Modern science or any man-made governing system/institution is principally a temporary stop-gap arrangement, pending the permanent natural solution. To make modern science or any man-made governing system/institution, religion included, to be a permanent system of modern life process means that we make human life always temporary and never permanent and that we deny permanency to the life process in Nature and deny the role of Nature in the life process. Here we don't let our own next generation humans to do their own thinking through their own science or institution, religion or whatever they feel fitting to their own conditions and time etc. No wonder, the imminent extinction of mankind, as a species, is very much in the air, for we have many man-made institutions that are far outliving their respective human generations that erected/instituted them.

To say that we have "prestigious institutions of higher learning" like Oxford, Harvard...etc., that are lasting not just years and decades but centuries means that people's lives have become not only inferior and insignificant but also subservient to these highly mechanized institutions. The pathetic consequence is that man today is not able to understand the root cause of his problem, let alone be able to solve them. Therefore, it is high time we move these super 'prestigious' institutions, including the so-called scientific and religious institutions, to the museum to save human life.

- **AS THE NEW MACRO FREE RADICAL, MODERN MAN IS THE TERMINATOR SEED OF MANKIND. IN THE PRESENT GOING, GLOBAL POPULATION WILL CERTAINLY BE REDUCED TO LESS THAN ONE-TENTH OF THE PRESENT IN THE NEXT 25 YEARS**

As the fully degenerate species, even seven humans cannot survive to their fullness of life on Earth, let alone the present seven billion. As hunter gatherer, man lived for millions of years; as civilized, he lived for a few thousand years; as man of science, he lived for a few hundred years; in the present digitalized era, man is all poised to live only for a few decades now.

We all know that the domesticated animals and pets – most of them obese, hybrid and highly degenerated today – simply cannot survive in Nature without close human care and nurturing. But today, the case of modern humans is no

different from the conditions of their hybrid pets. With more than 80 percent of modern humans being obese or suffering from some kinds of degenerative diseases and having become almost hybrid — with most of their organs only with the help of machines. Today these hybrid people are the ‘products’ of machines and the mechanized systems, the crucial question is as to who will ultimately take functioning care these hybrid humans, even though they may take care of their obese hybrid pets.

And, as a species of machine that is broken down to its most isolated and minute particle form, be it (mankind) the present seven billions or just only seven in number, man is sure to meet the reactions of his actions that include the fast premature development and decay of all his faculties, as his growing weakness and encroaching degeneration of almost all his faculties show. Ownership and utilization of a plethora of machines vindicate only man’s weakness to live without these modern ‘conveniences’; they don’t basically show his power, richness or clout. Pristine man of Nature, like all other species, lived millions of years without these machines and other mechanical conveniences, and he may live another millions of years without these modern ‘conveniences’. And that is why Mark Twain plainly termed these mechanical conveniences as “these modern inconveniences”.

- AS A HUGE MAN-MADE SOCIETAL STRUCTURE, TECHNOSPHERE IS NOT ONLY THE COUNTERFEIT OF NATURE BUT ALSO IS AN EXPONENTIALLY GROWING GIANT FOREIGN BODY ON EARTH WHICH INDEED IS THE FAST DEVELOPING COLOSSAL TUMOR ON PLANET EARTH

We envision a world where we live in communion with Nature, creating perfect harmony, health, and happiness. From the smallest particle to the largest galactic formation, a web of electrical circuitry connects and unifies all of Nature, organizing galaxies, energizing stars, giving birth to planets and, on our own world, controlling weather and animating biological organisms. There are no isolated islands in an electric universe. As an organic species of Nature, man is allowed to live on and be a part of Earth. Humans are like cells functioning within a body of the Earth. As long as humans (the cells) live in a healthy manner we will live peacefully in correlation with Earth. However, as humans advance and create technology that intervenes with and begins to decay our environment we have become an unhealthy cell within a functioning body.

When encountered by a harmful foreign object, our body will usually devise different ways to protect itself. For example, when a foreign body enters human body, the system in human body either reject it or breaks it into tiny pieces by the decay process and thus eject it along with the decayed part of

other waste, piece by piece. However if human body fails in this drive out process, the foreign body makes the whole human body into pieces through the decaying process and the host human dies. However in case human physical system does not suddenly fail totally, it may take another route: it becomes friendly to the encroached foreign body through the slow degeneration process, which then end up being the home for many degenerative disease like obesity, diabetes etc., and the whole human body become another foreign body for its environment.

Viewing it on a macro analogy, modern man, being fully mechanized to the brim and remaining uprooted from Nature, has become a foreign body on the planet Earth. And that is the reason he requires massive amounts of energy for his daily non-cyclic life – for assimilation, absorption, and detoxification. Today modern man has become a foreign body on the body of the biosphere and the modern society, filled with such degenerated and synthetic modern humans form the cells of a giant tumor on the planet.

Formerly foreign body content on the biosphere was much less than one percent as mechanization in the pre-modern world was much less than one percent. Today the world is filled with highly degenerated modern humans and other mechanical devices and inorganic and other synthetic systems by the billions, the foreign body contents on the biosphere is above 75% and thus the biosphere too is fast on the track of degeneration. Now the question is as to what Nature is going to do with this massive foreign body namely the highly degenerated modern society – the *TECHNOSPHERE*. Will it eject it with a mild Earthly fever like global warming, tsunami, Earthquake, cyclone etc. Or, will science continue to control Nature and calm its fury like the tsunamis, cyclones, Earthquakes, etc. with certain timid measures like ‘carbon credits’ and ‘bailouts’? The chances are that, when science itself has become the cause behind Nature’s fury, its success in further controlling and degenerating Nature is much far-fetched; the modern society itself has to go.

Given the pattern and fashion by which he lives today, modern man is proving to be a cancerous virus that is fast vitiating and turning modern society into a giant tumor on this planet. As modern man, the controller of Nature, is becoming more and more intolerable to live in uncontrollable Nature, Nature is becoming more and more irritant to accommodate this erratic species. With his long dependence on factory produced food and machine supported lifestyle and having rendered himself totally degenerated and alienated from Nature, modern man can now live only in artificial or controlled state like air conditioned environment, being kept digitally entertained through ‘TV’, computer program, and the like, and being moved only mechanically by automobiles along with his dozens of other machines that his other organs need for functioning, all of which only further enlarge the foreign body contents that go on enlarging the giant tumors on planet Earth.

Planet Earth now experience an unusually heavy load of certain foreign body that include about 90% of the present seven billion modern humans,

the billions of inorganic and synthetic matters, machines and systems that have suddenly become heavy ‘cargo’ due to their properties being totally non-cyclical, unfamiliar and irritant to the natural habitat.

The worn-out planet teeters: As a child grows in age, concurrently increasing its weight and height, its strength and stamina will also increase provided the growth is healthy and in pristine environment. However if the child grows in degeneration, like obesity, which is the general ongoing trend today, it may put in more weight and height but will shrink in its strength and stamina because the load of obesity is a foreign body to the normal body of the child.

Likewise any foreign body is a load to the one carrying it. Like the growth of a tumor, the rapidly growing technosphere is an unfamiliar matter and a foreign body to the planet Earth, and thus a heavy load to her. The technosphere meanwhile has grown into millions of folds in weight and size over the past couple of centuries. For the first time in the billions of Earth’s evolution, tens of millions of cars and concrete houses (among millions of other similar items, like new chemicals, billions of synthetic nanoparticles, and other products fabricated with unfamiliar and anti-natural synthetic materials) are, just two of the foreign body contents that have suddenly come to occur on the surface of the fragile planet Earth during largely the last hundred years. Till the year 1800 there were no cars or any motor vehicles on Earth. In 1900 there were only 4,192 passenger cars built in the US (the only country manufacturing cars then). In 2000, about 450 million passenger cars traveled the streets and roads of the world, according to *Automobile*. Further the world has 69 million km of synthetic Earth surface in the form of highways – enough to go from Earth to the Moon 200 times (World Book Encyclopedia, Chicago: World Book, 2001) – which is yet another type of foreign body on the planet surface.

Similar is the sudden growth of tens of millions of concrete buildings and mansion-like modern houses most of which are largely built by synthetic and non-biodegradable materials. While the unprecedented killer earthquakes, tsunamis, tornados and the like are the clear indication that Earth is teetering as the planet is long carrying the growing overload of these foreign bodies, any further addition of the load may prove the proverbial ‘last straw’ that broke the camel’s back.

- **MODERN WORLD IS FAST DEGENERATING AS THE ‘GANGDOM’ OF GLOBAL CORPORATIONS**

Modern world is fast degenerating as the ‘gangdom’ of global corporations – a state where mankind is ruled by the underworld. Has ‘mafia-fication’ of human society become the only available resort of the corporate-led world to sustain their leadership? It is a fact that the market economy can rule the world only by the help of mafias which on the other hand can ultimately lead

to mafias literally taking over the regimes one by one (Chapter 15: Corporate Presidency of Degeneration).

- ‘THE MEEK SHALL INHERIT THE EARTH’

When technology is the problem or when technology has no future – as this study proves – it is futile and, indeed, suicidal to plan our future development to be solely dictated by technology. Technology is destroying the technology addict – the developed portions of modern society – faster than the less addicted.

Massively and globally subjected to ruthless mechanization since about the last 100 years, almost 90% of mankind has been rendered handicapped in one way or the other, and about 50% mankind has elapsed into some sort of UNEMPLOYABLE condition – thanks to the ongoing degeneration – both within the technosphere and in the natural biosphere. We will get a vague picture of our growing massive defects (although we may seem healthy and in good shape outwardly, like the seemingly good shape of the hybrid broiler chickens) if we happen to compare our physical and mental conditions to that of our own grandfathers and great grandfathers who may prove many times better than us, the technology-driven humans.

By the way, most of us today cannot think of pulling our own daily life without the help of servants like the home-maids, apart from the sort of 60 plus machines and other home appliances doing our daily chores. Here the more pathetic fact is that today even our own servants need servants for their own home chores even though most cannot afford them. Of late, this is another tipping point, among many, we are facing. Then think of the fate of our next generation people who are more degenerated and dependent upon us – for more aspects of their life and for much more duration – than we ourselves depended on our own parents once.

The big question is as to who will inherit the spoils after the imminent inevitable BIG CRUNCH. People from the poorest and the least developed region in the world, like the people of the African rain forest, are in a better condition and are far more healthier than the people of the “richest” and the most “developed” nation in the world. Because ‘health is wealth’, people of African rain forest – being more Nature-dependent and thus more Nature-fit than most of us – are indeed the richest people in the world as they have the least of the modern sorts of ‘conveniences’ of life. And these meek people will inherit the Earth.

