Article

Role of Consciousness in Creation

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Abstract

Science has made great breakthroughs in understanding of our universe. Science has some limitations. It has done lots of research in material dimensions of matter and energy and a small part in time. Science has not acknowledged the existence of the dimension of Consciousness. There are a number of phenomena apparently without explanation on earth and in the universe. Some of these can be explained incorporating this dimension. The limitation of modern day science is it doesn't have any laboratory support for this dimension. This is the controlling dimension for life and for universe and without knowing this aspect understanding of science is bound to be limited.

Keywords: Consciousness, dimension, creation, science, matter, energy, universe, Aliens

Formation of Milky Way Galaxy

As the cognitive Black Hole pre Sagittarius A often termed as Golden Egg (Hiranyagarbha) containing dense matter was burst to form Milky Way galaxy. One side was used form eco system for Heavens and other side for Earth. The entire creation from the start of universe till present day is based on three principles. These are the following:

(a) The principle of Mahat
(b) The principle of creation (Serg)
(c) The principle of evolution (Prati-Serg)

The Principle of Mahat. This is the integral characteristics of the wave. As the quality and type of strand decide the further formation of rope, characteristic features of vibration decide types of resultant waveforms, quarks, sub-atomic particles, elements, compounds, mixtures, large objects, heavenly bodies and their interactions.

Neptune has 14 moons. Recently discovered phenomenon is motion of Naiad which help it keep avoiding collision with Thalassa. It moves up and down, passing by Thalassa twice from above then twice from below, a cycle that repeats. It is not the only noteworthy orbital resonance in the solar system. The resonance between the Jovian moons of Io, Europa and Ganymede causes tides inside Io, creating friction, heat and the solar system's most active volcanic system. Jupiter itself is in resonance with the asteroid belt, with the gas giant's immense gravitational pull keeping lanes within the belt conspicuously free of asteroids. Neptune and Pluto are also in a resonance, with the dwarf planet completing two orbits of the sun for Neptune's three, a groove that keeps both orbits stable.

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The existence of our Universe [2] is dependent upon interactions from the tiniest subatomic particles to the largest clusters of galaxies. At galactic scales, interactions can take millions of years to unfold, a process seen in this image of two galaxies released by the Gemini Observatory. The new image captures the slow and intimate dance of a pair of galaxies some 160 million light-years distant and reveals the sparkle of subsequent star formation fueled by the pair's interactions. There are many such events which keep happening in our universe, all of these are governed by the principle of Mahat.

The Principle of Creation. The cognitive part of the matter and dimension beyond it is known as consciousness. The consciousness provided triggering action and controlling power for creation, its management and further evolution. We would discuss further about this principle in rest of the paper.

Principle of Evolution. **The principles of acclimtisation, adaptation and evolution are the short, medium and long term measures for life form to adjust to its surrounding ecosystem**. [3] A theory of biological evolution was developed by the English naturalist Charles Darwin (1809–1882). It stated that all species of organisms arise and develop through the natural selection of small, inherited variations that increase the individual's ability to compete, survive, and reproduce. Darwin's theory was missing a mechanism for how *beneficial traits* could survive over generations.

Darwin supposed that the life began [4] *in the bubbling sea vents—but all this overlooks the fact that to turn monomers into polymers (which is to say, to begin to create proteins) involves what is known to biology as dehydration linkages. As one of the leading biology text puts it, with perhaps just a tiny hint of discomfort, "Researchers agree that such reactions would not have been energetically favorable in the primitive sea, or indeed in any aqueous medium, because of the mass action law." It is a little like putting sugar in a glass of water and having it become a cube. It shouldn't happen, but somehow in nature it does.*

If you make monomers wet [4] ***they don't turn into polymers—except when creating life on Earth. How and why it happens then and not otherwise is one of biology's great unanswered questions.*** For two billion years bacterial organisms were the only forms of life [4]. They lived, they reproduced, they swarmed, but they didn't show any particular inclination to move on to another, more challenging level of existence. At some point in the first billion years of life, cyanobacteria, or blue-green algae, learned to tap into a freely available resource—the hydrogen that exists in spectacular abundance in water. They absorbed water molecules, supped on the hydrogen, and released the oxygen as waste, and in so doing invented photosynthesis. As Margulis and Sagan note, photosynthesis is "**undoubtedly the most important single metabolic innovation in the history of life on the planet**"—and it was invented not by plants but by bacteria. As cyanobacteria proliferated the world began to fill with $O_2$to the consternation of those organisms that found it poisonous—which in those days was all of them. In an anaerobic (or a non-oxygen-using) world, oxygen is extremely poisonous. Our white cells actually use oxygen to kill invading bacteria. That oxygen is fundamentally toxic often comes as a surprise to those of us who find it so convivial to our well-being, but that is only because we have evolved to exploit it.

In the Origin of Species, Charles Darwin argued that [11] with the natural variations that occur in populations, any trait that is beneficial would make that individual more likely to survive and pass on the trait to the next generation. If enough of these selections occurred on different beneficial traits you could end up with completely new species. He did not have a mechanism for how the traits could be preserved over the succeeding generations. At the time it was thought that the traits of the parents were blended in the offspring. Unfortunately, blending would dilute any beneficial trait out of a population within a few generations. This is because most of the blending over the next generations would be with individuals that did not have the trait.

This is where the intelligent interference through action of the spirits or comes in. The principle of natural selection is indeed a bright observation by Darwin and his theory is mostly right except that selection is not made by the organisms themselves or it is not autonomous but interfered by the intelligent design. The evolution takes place naturally as an inbuilt principle or property of living beings, as a part of their design. However, evolution can be accelerated or decelerated or given desired direction from the dimension of consciousness. [11] The most famous of the early defenses of Darwinism was not by Darwin himself but by the famous biologist, Thomas Huxley and the social philosopher, Herbert Spencer. Darwin's ideas were adopted by supporters of laissez-faire capitalism. "Survival of the fittest" gave an ethical dimension to the no-holds barred capitalism of the late nineteenth century.

Theory of Creation

At the beginning of Big Bang about 216 billion Year ago (time is of a little relevance at this moment) from the **center** of our galaxy where presently lies the super massive **black hole** Sagittarius A. This black hole was even bigger and denser. Incidentally, all the energy and matter in the universe is made of initial vibration (first product of Pradhána) and therefore all energy and matter is sensible to Consciousness. This Big black hole containing the entire Milky Way was controlled by Vishnu (creator & controller of the dimension of time). Combination of matter and consciousness is necessary to renovate creation and time plays most important role in it. He put a part of his consciousness (Brahma) in it and controlled its expansion as per the principles of Mahat (cardinal principles for formation of energy, matter and their interaction). In his book The Intelligent Universe, the great astrophysicist Fred Hoyle admits that an intelligent principle has begotten the universe. Brahma has since then controlled the expansion of black hole in to the present Milky Way and chosen planets for creation to begin. In one part he chose a planet which we know as heaven and other ‘earth’.

The entire scheme of things is with a purpose. The purpose will emerge out of the pattern if we understand it carefully. Keeping the above example of creation, we also know that there are other older galaxies present in our universe and hence there will also be life with same purpose. Therefore, **alien life is not only possible but it is also present in our universe.**

Earth is a well-chosen planet for human evolution. Here on earth, one solar year is equivalent to one day on Heaven- another planet in Milky Way. Apart from heaven there are other planets are there where life is presently in evolution. **Eventually human race would also contribute to development of life on such planets. Though, it is pertinent to note that such contribution**

will not be physical. [4] A trip of 240,000 miles to the Moon still represents a very big undertaking for us. A manned mission to Mars, called for by the first President Bush in a moment of passing giddiness, was quietly dropped when someone worked out that it would cost $450 billion and probably result in the deaths of all the crew (their DN Atom to tatters by high-energy solar particles from which they could not be shielded).

Based on what we know now and can reasonably imagine, there is absolutely no prospect that any human being will ever visit the edge of our own solar system—ever. It is just too far. As it is, even with the Hubble telescope, we can't see even into the Oort cloud, so we don't actually know that it is there. Its existence is probable but entirely hypothetical.

For a peak into modern scientific theories about solar system and life on Earth, I depend on [4] Bill Bryson- A short History of Nearly Everything heavily and I have largely quoted from his book. Martin Rees, Britain's astronomer royal [4], believes that there are many universes, possibly an infinite number, each with different attributes, in different combinations, and that we simply live in one that combines things in the way that allows us to exist. Rees maintains that six numbers in particular govern our universe, and that if any of these values were changed even very slightly things could not be as they are.

For example, for the universe to exist as it does requires that hydrogen be converted to helium in a precise but comparatively stately manner—specifically, in a way that converts seven one-thousandths of its mass to energy. Lower that value very slightly—from 0.007 percent to 0.006 percent, say—and no transformation could take place: the universe would consist of hydrogen and nothing else. Raise the value very slightly—to 0.008 percent—and bonding would be so wildly prolific that the hydrogen would long since have been exhausted. In either case, **with the slightest tweaking of the numbers the universe as we know and need it would not be here.**

If gravity may turn out to be a little too strong, and one day it may halt the expansion of the universe and bring it collapsing in upon itself, till it crushes itself down into another singularity, possibly to start the whole process over again. On the other hand it may be too weak and the universe will keep racing away forever until everything is so far apart that there is no chance of material interactions, so that the universe becomes a place that is inert and dead, but very roomy. The third option is that gravity is just right—"critical density" is the cosmologists' term for it—and that it will hold the universe together at just the right dimensions to allow things to go on indefinitely. **Cosmologists in their lighter moments sometimes call this the Goldilocks effect—that everything is just right [4].**

Also, Bill Bryson brings out very precisely the apt location of earth in our solar system. [4] The right distance away from the right sort of star, one that is big enough to radiate lots of energy, but not too big as to burn itself out swiftly. Too much nearer and everything on Earth would have boiled away. Much farther away and everything would have frozen. Earth would have been uninhabitable had it been 5 percent nearer and 15 percent farther. Earth is the right kind of planet with a molten lively interior that created the out gassing that helped to build an atmosphere and provided us with the magnetic field that shields us from cosmic radiation. It also gave us plate

tectonics, which continually renews and rumples the surface. We also have the right elements in the correct proportions. There are ninety-two naturally occurring elements on Earth.

Therefore, in entire combination and permutation of probability for creating suitable material life earth was a planet which was chosen and was allocated with the consciousness along with other planets in our solar system and our central star. This is to make sure that time on effort spent in creating life on earth is not wasted. All bodies in Milky way follow principles of Mahat for their evolution, change, motion and interaction with other bodies and a handful of them are with additional consciousness to be more responsible and integral in their act. All these heavenly bodies are endowed with Mahatattva (dark matter) – a medium through which these can be controlled.

Brahma himself experimented with creation of life. It is the natural way of the independent consciousness that one it gets combined with various forms of matter it can start learning interactions with environment. The learning could be Sattvic (purea), Rajsic (controlling others) or tamsic (exploitative and indulgent). Brahma was not amused with the results of his creation, maybe it was the quantitative or qualitative properties of the fragments of consciousness which he used to create first beings. Therefore, after learning from his first experiment he created four Kumaras Sanaka, Sanatana, Sanandana, and Sanatkumara from different parts of his body to aid him. The Kumaras was the first such beings. They were created from his mind and appeared as infants. They were high on consciousness and were not interested in procreation; they were pursuing brahmacharya against the wishes of their father. They are said to wander throughout the materialistic and spiritualistic universe without any desire but with purpose to teach.

Thereafter, Brahma created ten Manputras (his ideas in his own image) with the objective of increasing the population and their names were these Rishis, or Sages were also known as Prajapatis (creators of Milky Way population). According to the Bhagavata Purana, their names are Angiras (sage), Atri, Pulastya, Marichi, Pulaha, Kratu, Bhrigu, Vashistha, Daksha and Narada. We must understand that these were in form of consciousness (spirits).

Wikipedia mentions that [5] Earth formed around 4.54 billion years ago, by accretion from the solar nebula. Volcanic out gassing probably created the primordial atmosphere and then the ocean, but the early atmosphere contained almost no oxygen. Much of the Earth was molten because of frequent collisions with other bodies which led to extreme volcanism.

Brahma sent all Prajapatis to create life on Earth, however when they appeared on earth the found earth was beginning to have some form of life, however that was not as per their plan. They found the waters were mixed with harmful chemicals. So Brahma requested Vishnu's help and Vishnu created an ideal solution after assuming (Varaha Avtar). Their resulted in a planet-sized body named Theia causing collision with Earth. This collision is thought to have formed the Moon as well as tilt in the rotational axis of earth. Since the earth was mostly molten and even after becoming in two parts such state acquires minimum surface area (spheroid), both became round objects in accordance with principles of Mahat. The tilt is what gave rise to seasons and created ideal conditions for life to start. Moon also helped to stabilize any oscillations in motions of earth while it went around Sun. Over time, the Earth cooled, causing

the formation of a solid crust, and allowing liquid water on the surface. This water was pure and favorable to creation of life.

As far as the theory of creation goes it is based on intelligent principles, on intelligent design and with objectives. Brahma also stared creation of other worlds DuLoka (heavens), Bhuvar Loka and Suvar Loka. The development of life on earth was most important to all because of one factor faster time on earth. It was used as laboratory to quickly determine the results and learn lessons. Other options were much slower.

The development of life on earth started with creation of favorable atmosphere with oxygen. [4] Atmosphere keeps the Earth warm. Earth would be a lifeless ball of ice with an average temperature of minus 60 degrees Fahrenheit without it. In addition, the atmosphere absorbs or deflects incoming swarms of cosmic rays, charged particles, ultraviolet rays etc. Altogether, the gaseous padding of the atmosphere is equivalent to a fifteen-foot thickness of protective concrete, and without it these invisible visitors from space would slice through us like tiny daggers.

Wegener developed the theory that the world's continents had once come together in a single landmass he called Pangaea, where flora and fauna had been able to mingle, before the continents had split apart and floated off to their present positions. All this he put together in a book called Die Entstehung der Kontinente und Ozeane, or The Origin of Continents and Oceans.

One reason life took so long [4] to grow complex was that the world had to wait until the simpler organisms had oxygenated the atmosphere sufficiently. It took about two billion years, roughly 40 percent of Earth's history, for oxygen levels to reach more or less modern levels of concentration in the atmosphere. But once the stage was set, and apparently quite suddenly, an entirely new type of cell arose—one with a nucleus and other little bodies collectively called organelles (from a Greek word meaning little tools). The process is thought to have started when some blundering or adventuresome bacterium either invaded or was captured by some other bacterium and it turned out that this suited them both. The captive bacterium became, it is thought, a mitochondrion. This mitochondrial invasion (or end symbiotic event, as biologists like to term it) made complex life possible. (In plants a similar invasion produced chloroplasts, which enable plants to photosynthesize.) Single-celled eukaryotes were once called protists.

Compared with the bacteria that had gone before, these new protists were wonders of design and sophistication. The simple amoeba, just one cell big and without any ambitions but to exist, contains 400 million bits of genetic information in its DNA—enough, as Carl Sagan noted, to fill eighty books of five hundred pages. Eventually the eukaryotes learned an even more singular trick. It took a long time—a billion years or so. They learned to form together into complex multi-cellular beings. **This was the beginning of first root race of life on earth.** I tend to accept the theory of Helena P Blavatsky with some modifications. The reproduction was by budding.
Francis Crick [4], co-discoverer of the structure of DNA, and his colleague Leslie Orgel have suggested that Earth was "**deliberately seeded with life by intelligent aliens**, "an idea that Gribbin calls "at the very fringe of scientific respectability"—or, put another way, a notion that would be considered wildly lunatic if not voiced by a Nobel laureate. Fred Hoyle and his

colleague Chandra Wickramasinghe further eroded enthusiasm for panspermia by suggesting that outer space brought us not only life but also many diseases such as flu and bubonic plague, ideas that were easily disproved by biochemists. Hoyle—and it seems necessary to insert a reminder here that he was one of the great scientific minds of the twentieth century—also once suggested, as mentioned earlier, that our noses evolved with the nostrils underneath as a way of keeping cosmic pathogens from falling into them as they drifted down from space.

The Hadean eon [5] represents the time before a reliable (fossil) record of life; it began with the formation of the planet and ended 4.0 billion years ago. The following Archean and Proterozoic eons produced the beginnings of life on Earth and its earliest evolution. The succeeding eon is the Phanerozoic, divided into three eras: the Palaeozoic, an era of arthropods, fishes, and the first life on land; the Mesozoic, which spanned the rise, reign, and climactic extinction of the non-avian dinosaurs; and the Cenozoic, which saw the rise of mammals.

Life emerged so swiftly [4], in fact, that some authorities think it must have had help—perhaps a good deal of help. The idea that earthly life might have arrived from space has a surprisingly long and even occasionally distinguished history. The great Lord Kelvin himself raised the possibility as long ago as 1871 at a meeting of the British Association for the Advancement of Science when he suggested that "the germs of life might have been brought to the earth by some meteorite.

Since we are exploring formation of life on Earth we need to limit ourselves to the bigger picture and less on details. It is indeed a vast subject. We can explore it here only in principles. A biological species is a group of organisms that can reproduce with one another in nature and produce fertile offspring. Species are characterized by the fact that they are reproductively isolated from other groups. We will take species group as our subjects with their common methods of reproduction. The main methods of reproduction identified are through asexual, sexual with different methods of fertilization. Asexual reproduction [6] produces offspring that are genetically identical to the parent because the offspring are all clones of the original parent. Asexual reproduction in animals occurs through fission, budding, fragmentation, and parthenogenesis. There is an advantage that large numbers of offspring can be produced quickly and it is ideally suited to a stable or predictable environment. This was a design decision of the Prajapatis within the limitation imposed by the environment.

Parthenogenesis [6] is a form of asexual reproduction in which an egg develops into an individual without being fertilized. The resulting offspring can be either haploid or diploid, depending on the process in the species. Parthenogenesis occurs in invertebrates such as water fleas, rotifers, aphids, stick insects, and ants, wasps, and bees. Ants, bees, and wasps use parthenogenesis to produce haploid males (drones). The diploid females (workers and queens) are the result of a fertilized egg. Some vertebrate animals such as certain reptiles, amphibians, and fish also reproduce through parthenogenesis.

Incidentally, Parthenogenesis has been observed in species in which the sexes were separated in terrestrial or marine zoos. Two female Komodo dragons, a hammerhead shark, and a blacktop shark have produced parthenogenic young when the females have been isolated from males. It is

possible that the asexual reproduction observed occurred in response to unusual circumstances and would normally not occur. The species was at the borderline where a distinct change in separation of sexes occurred. These were the species what Helena P Blavatsky mentioned as sweat borne. This method offered fastest method of reproduction of complex organisms.

In Sexual reproduction [6] the genetic material of two individuals is combined to produce genetically diverse offspring that differ from their parents. The genetic diversity of sexually produced offspring is thought to give sexually reproducing individuals greater fitness because more of their offspring may survive and reproduce in an unpredictable or changing environment. This was an important step to ensure diversification of species and to evolve them further.

Hermaphroditism occurs in animals in which one individual has both male and female reproductive systems such as earthworms, slugs, tapeworms, and snails are often hermaphroditic. Hermaphrodites may self-fertilize, but typically they will mate with another of their species, fertilizing each other and both producing offspring.

External fertilization usually occurs in aquatic environments where both eggs and sperm are released into the water. After the sperm reaches the egg, fertilization takes place. Most external fertilization happens during the process of spawning where one or several females release their eggs and the male(s) release sperm in the same area, at the same time. The spawning may be triggered by environmental signals, such as water temperature or the length of daylight. Nearly all fish spawn, as do crustaceans (such as crabs and shrimp), mollusks (such as oysters), squid, and echinoderms (such as sea urchins and sea cucumbers). Frogs, corals, mayflies, and mosquitoes also spawn. These species are known as egg born.

Internal fertilization occurs most often in terrestrial animals, although some aquatic animals also use this method. Internal fertilization may occur by the male directly depositing sperm in the female during mating. It may also occur by the male depositing sperm in the environment, usually in a protective structure, which a female picks up to deposit the sperm in her reproductive tract. There are three ways that offspring are produced following internal fertilization. In oviparity, fertilized eggs are laid outside the female's body and develop there, receiving nourishment from the yolk that is a part of the egg. This occurs in some bony fish, some reptiles, a few cartilaginous fish, some amphibians, a few mammals, and all birds. Most non-avian reptiles and insects produce leathery eggs, while birds and some turtles produce eggs with high concentrations of calcium carbonate in the shell, making them hard. The eggs of the egg-laying mammals such as the platypus and echidna are leathery.

In ovoviparity, fertilized eggs are retained in the female, and the embryo obtains its nourishment from the egg's yolk. The eggs are retained in the female's body until they hatch inside of her, or she lays the eggs right before they hatch. This process helps protect the eggs until hatching. This occurs in some bony fish (like the platyfish Xiphophorus maculatus, some sharks, lizards, some snakes (garter snake Thamnophis sirtalis), some vipers, and some invertebrate animals (Madagascar hissing cockroach Gromphadorhina portentosa). In viviparity the young are born alive. They obtain their nourishment from the female and are born in varying states of maturity. This occurs in most mammals some cartilaginous fish, and a few reptiles.

There is a gradual development in method of reproduction depending on the factors such as rate of reproduction required, stability of external environment, complexity of organism being reproduced etc. Hermaphroditism was initially considered by Brahma as the top form for reproduction, however it was not found interesting enough by the subjects.

Simultaneously with evolution of life on earth designs were being prepared in heavens. Having created Mansputras, Brahma designed Tanmatras as essence of sensors so that they can sense. These progenies of Brahma were Hermaphrodites. They were supposed to be reproducing from themselves. Sanat Kumars were devotes and didn't have any motivation to reproduce. Brahma found that all of them were free from worldly desires and extremely virtuous. Narad even told his father that he is not interested in procreating and will spend his life in universe being a devotee of Vishnu. Seeing dismal outcome of his efforts, Brahma had to think of alternative, as a result of which he manifested Rudra. Half of Rudra's body resembled like a male while the remaining half appeared like a female. He used one of the tanmatra as a motivation for procreation. Lord Brahma instructed Rudra to detach the female form from his body and commence copulative creation. Following his advice, Rudra detached the male part of his body and created eleven male entities. Similarly he created various female entities from the female part of his body. So the creator also learns and having done so similar design was also used for humans. This led to further part of creation in heavens. Daksha Prajapati begot sixty daughters from his wife Virini. In course of time ten of them were married to Dharma whose names were Arundhati, Vasu, Jami, Lamba, Bhanu, Marutvati, Sankalpa, Muhurta, Saadhya and Vishwa. Vishwa gave birth to Vishwadeva, while Saadhyaa was the mother of Saddhya. Marutvati gave birth to Marutvan. Vasu had eight sons who became famous as the Vasus. Bhanu Arundhati became the designer of all the creatures of this world.

Prajapati Kashyap had thirteen wives Aditi, Diti, Danu, Arishta, Sursa, Surabhi, Vinta, Tamra, Krodhvasha, Ira, Kadru, Khasa and Muni. Kashyap had two sons from Diti. Kashyap had begotten one hundred sons from Danu, among whom Viprachitti was the most powerful. Kashyap had also begotten forty nine Marudganas from Diti. Those who were born of Diti were known as Daitya and born of Danu were known as Danavs and from born of Aditi were known as Adityas. These were the two main groups in heaven of Adityas on one side and Daityas and Danavs on the other who were competing against each other. Consciousness of Aditya makes the Grahas (planets) sentient.

There have been set objectives for the reproduction of so many species. The objectives were the following.

(a) Integration of plants and animals in to environmental cycles. Our earth is a living being with a soul which has been granted by Brahma and so are the Grahas (surrounding planets). Environment on Earth has various cycles such as water cycle, nitrogen cycle, oxygen cycle, carbon cycle etc. Whatever parameter in these cycles varies, it is able to maintain their designed value with sufficient margin. This is a comprehensive and intricate design.

(b) Development of tissues and biological building material required for human body. Earlier organisms have been developed to prove individual system concepts of pneumatics system (lungs), Hydraulic system (blood), actuators (skeletal & muscle system) etc. For example tissues of tongue in mammal and tissues of octopus are similar. This could be true that one of the prime reason for existence of octopus is tissue culture for reptilian and mammalian tongue.

(c) The Prajapatis needed genetic codes to design human life and they also needed genetic codes for themselves to start life in heavens (Alien life on another planet). The reason was development on earth was happening at fast pace due to lower gravity and faster time lapse.

(d) Development of software (souls) from initial root program which goes in to unicellular cell, to multi-cellular and the up the species ladder for learning the environment and survival, procreation, team spirit etc. Software soul is essential requirement of living beings as it is the guiding factor for various functions which are executed consciously and subconsciously by the organism.

Since creation is a process in which one has to design carefully and wait for the results patiently. Results needs to be evaluated and several such iterations may be required to perfect a design. During the entire process of creation, one important event took place in the oceans when entire heavenly creation descended on earth to collect genetic codes. Collection of genes was done around Mt Meru in erstwhile Pangea or Gondwana. Mt Meru was the first mountain that arose and may be now under the sea again. This event was called '**Sagar Manthan**' or churning of the oceans for the famed nectar. The nectar was essentially required for having a physical form. The gene pool and samples are collected and for further processing and design. Which tissue is required to be used where and how these will evolve in sequential fashion is highly complex task of highly intelligent cosmic civilization. They populated heaven as ideal planet with best of species of plants, animals and environment. They also designed species of plants and animals on earth as stated above.

Having found the initial genetic code work began at fast pace. Prajapati Rishi Kashyap also had six daughters from Tamra. These were Shuki, Shyeni, Bhasi, Gridhi, Sugridhi and Shuchi. All six of them designed various species of birds. Shuki was the designer of Parrots and Owls. Shyeni designed hawks while Bhasi was the designer of ospreys (a large fish eating birds.) Gridhi gave birth to Vultures and Sugridhi was the mother of pigeons. Shuchi was the designer of cranes, Swans and other similar aquatic birds. Vinita was the designer of Garuda and Arun Supreme among birds. Arun was the designer of Sampati and Jatayu. Sursa was the designer of the serpents and had designed a thousand snakes. Surabhi, one of the thirteen wives of Kashyap had desgined cows, buffaloes as well as beautiful women. Muni was the mother of the celestial damsels Apsaras. Arishta designed Kinnars and Gandharvas. Ira was the designer of various

vegetations like grass, trees, creepers and bushes. Khasa gave birth to ten million Rakshashas and Yakshas.

This period relates directly to Cambrian period. The seemingly rapid appearance of fossils in the Primordial Strata and it was noted by William Buckland in the 1840s. The Cambrian explosion occured approximately 541 million years ago when most major animal phyla appeared in the fossil record.[It lasted for about 13– 25 million years and resulted in the divergence of most modern metazoan phyla. The event was accompanied by major diversification of other organisms

The early reptiles of various types such as Hylonomus lyelli (the first one). It is also the first animal known to have fully adapted to life on land. Hylonomus lived about 315 million years ago, during the time we call the Late Carboniferous Period. Most creatures were developing from the boneless to with bones. The reptiles were required to be controlled for further biological and higher souls couldn't incarnate in them. Brahma created special souls for these reptiles including huge dinosaurs and dragons, these were called Nagas. After their role finished they later got upgraded to incarnate in human forms and still they were known as Nagas. Nagas represent an important phase of biological development on earth.

It is a matter of great curiosity in wondering about how many different types of species are there on earth. The most accurate census [20], conducted by the Hawaii's University, estimates that a total of 8.7 million species live on the planet. This is closest to the estimate of 8.4 million (84 Lakh) species mentioned in Vedic scriptures.

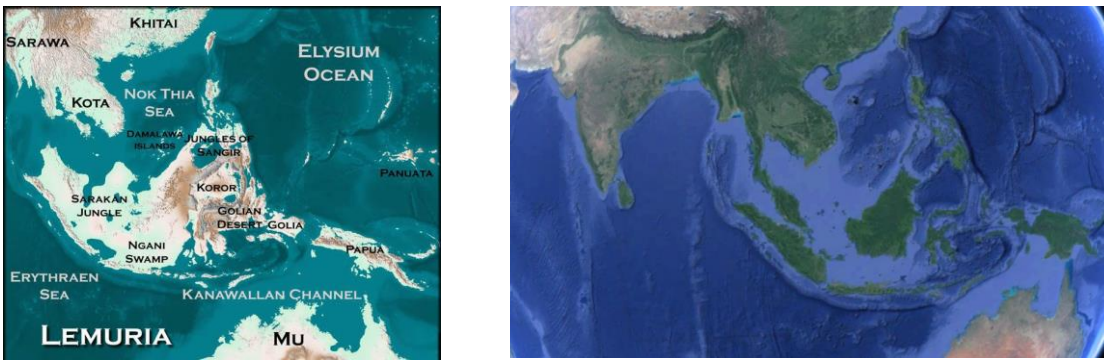
The design of human body was made by seven different Prajapatis who collaborated and designed seven similar types of first humans put them slightly far apart on seven different islands of Pangea. Every prototype human was designed to be androgynous i.e having property of both male and the female, with activation of one gene prototype became a male and further activation of hormones other differences emerged. This concept was simple to execute because of similarity of everything except one function. Also one point which is of great importance here is that this method is principally the same as in majority of other mammals. Even the organs of procreation have same sub-parts and work on the same design. These organs are also special and develop most before the birth and are more prominent on a new born. The idea of progenration is for the survival of species. In the design for male mammals one would find some parts such as nipples which are dormant or not active. This is because initially all mammals start their growth as females and at appropriate time males genes get active and embryo develops as male. This also highlights the equality of both the sexes and their importance being in complimentary to each other.

The word root of Man is derived from Sanskrit word Man- to think and hence the man is thinker. In Sanskrit, it is also called as Manav or manushya. This is true because man is an intelligent animal species. Also, the word Adam, Adami have root in Ad (first), meaning the ones who are

born from the first prototype, initial (man). The lead progenitor for every race is therefore called Manu.

Prajapatis watched the growth and development of this species and even now all monitoring is done. In the initial part they used souls of higher beings (heavens) to incarnate in them. Even Prajapatis incarnated in them to check out these earliest humans for the design parameters, deficiencies etc. The first humans were the humans of third root race. According to Puranic cosmography [14], the world was initially divided into seven islands (sapta-dvipa vasumati) separated by the seven seas. The seven continents of the Puranas are stated as Jambudvipa, Plaksadvipa, Salmalidvipa, Kusadvipa, Krouncadvipa, Sakadvipa, and Pushkaradvipa. All seven islands are now major continents of the world. This is interesting because whatever has been mentioned in olden texts confirms to the modern findings. Many a times the meanings may have been lost due to lack of vocabulary or perspective in translation.

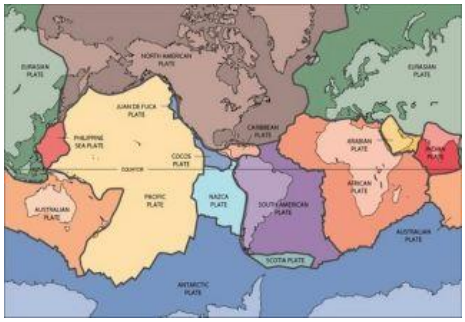
In 1912, Alfred Wegener [11] proposed a theory that the continents had once been joined, and over time had drifted apart. Alfred Wegener proposed two different mechanisms for continental drift. One was based on the centrifugal force caused by the rotation of the earth and another a 'tidal argument' based on the tidal attraction of the sun and the moon. Apart from this one of the reason could be the movement of magnetic poles of earth leading to changes in magnetism and asymmetric pull of gravitations forces between sun, moon and earth. These forces become particularly asymmetric during the eclipses.



(Image credit [10] & Google earth – current showing submerged lands that were once above water)

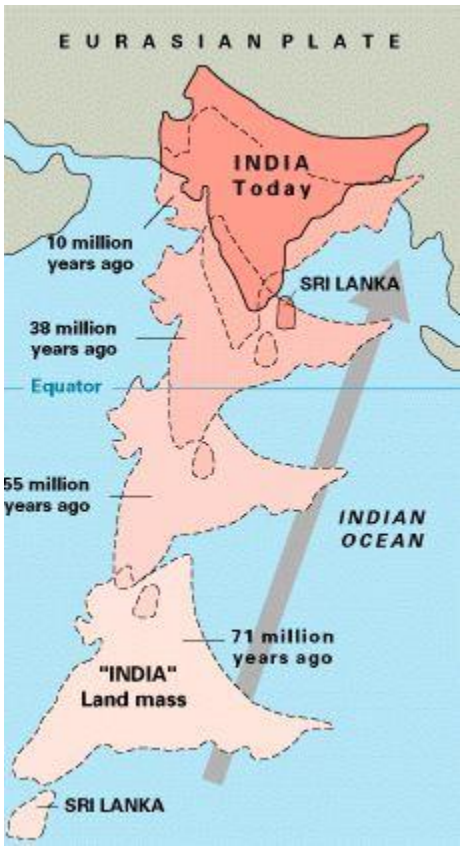
Although Wegener's 'continental drift' theory [12] was discarded, it did introduce the idea of moving continents to geosciences. And decades later, scientists confirmed some of Wegener's ideas, such as the past existence of a supercontinent joining all the world's landmasses as one. Pangaea was a supercontinent that formed roughly 200 to 250 million years ago, according to the U.S. Geological Survey (USGS) and was responsible for the fossil and rock clues that led Wegener to his theory. Plate tectonics is now the widely accepted theory that Earth's crust is fractured into rigid, moving plates. In the 1960s, scientists discovered the plate edges through magnetic surveys of the ocean floor and through the seismic listening networks built to monitor nuclear testing, according to Encyclopedia Britannica. Alternating patterns of magnetic anomalies on the ocean floor indicated seafloor spreading, where new plate material is born.

Magnetic minerals aligned in ancient rocks on continents also showed that the continents have shifted relative to one another.



(Image credits [12] various tectonic plates and their movement over the millions of years)

The Himalayan mountain range and Tibetan plateau have formed as a result of the collision between the Indian Plate [13] and Eurasian Plate which began 50 million years ago. As seen in the animation above not all of the Tethys Ocean floor was completely sub ducted; most of the thick sediments on the Indian margin of the ocean were scraped off and accreted onto the Eurasian continent in what is known as an accretionary wedge (link to glossary). These scraped-off sediments are what now form the Himalayan mountain range.



(Image Credits [13] movement of Jambu Dwipa)

Prajapati Daksha typifies the early Third Race [9], holy and pure, still devoid of an individual Ego, and having merely the passive capacities. Brahmâ, therefore, commands him to create inferior and superior (avara and vara) bipeds and quadrupeds ; and by his will, gave birth to females . . . . to the gods, the Daityas, the snake-gods, animals, cattle and the Danavas and other beings.

These early humans of third root race were the earliest ancestors of us humans. One more significant discovery about beginning of life on earth [15] is found from a 550 million-year-old fossilized digestive tract found in the Nevada desert one of the oldest known examples of fossilized internal anatomical structures. One must note that this period coincides with the Cambrian period indicating that human are as old as other species and not evolved from them whereas the Archaeologists previously thought Homo sapiens evolved in Africa around 200,000 years ago, but the story has become more complicated. Fossils discovered in Morocco have pushed that date back to 300,000 years ago, consistent with ancient DNA evidence. This raises

doubts that our species emerged in any single place. Anthropologists are realizing that our Homo sapiens ancestors had much more contact with other human species than previously thought. Although discovered in the 1990s, publication [8] of the 4.4 million year old skeleton nicknamed 'Ardi' in 2009 changed scientists' views on how hominins began walking. Perspectives on our own species have also changed. Today, human evolution looks less like Darwin's tree and more like a muddy, braided stream. Our lineages split up to 800,000 years ago, modern humans and Neanderthals mated a number of times during the last Ice Age. This is why many people today possess some Neanderthal DNA. Ancient DNA is how researchers first identified the mysterious Denisovans, who interbred with us and Neanderthals.

The early humans were of huge size nearly 30-50 feet and large variation in samples. Iguanodon of the Mesozoic ages was 100 feet long and now it is transformed into the small Iguana lizard of South America. The evolutionary series of the animal world is a warrant that the same thing took place within the human races. Lower still in the order of creation we find witnesses for the same in the flora going pari passu with the fauna in respect of size. The pretty ferns we collect and dry among the leaves of our favourite volumes are the descendants of the gigantic ferns which grew during the carboniferous period. Popular traditions about giants in days of old, and their mention in every mythology, including the Bible are for people who really existed. These were named as Cyclops, Medusa, Orphic Titan, the anguipedal monster known as Ephialtes. There were good giants in days of old jand the Rakshasas and Yakshas of Lanka. The Râkshasas are simply the primitive and ferocious giants, the Atlanteans, who were scattered on the face of the globe.

The Giants of old are all buried under the Oceans[9], and hundreds of thousands of years of constant friction by water would reduce to dust and pulverize a brazen, far more a human skeleton. Most of the huge size mammals were the vehicles of cosmic spirits and they roamed around the earth without much effort. The survival was probably easy for the giants keeping in mind their physical strength and their high intelligence consciousness being belonging to races of Daityas, Danvas etc directly from the heavens. *In secret doctrine one mythological text from puts it as the third and fourth races became tall with pride thinking they are the kings and they are the gods. They built big cities, cities laden with precious metals. They took wives fair to look at, Wives from the mindless, the narrow-headed. They bred monsters, wicked demons, male and female, also, Khado (Dakini) with little minds. They built temples for human body. Male and Female they worshipped. Then the third eye acted no longer*.

All such big cities of Asuras were in Mu, Lemuria and Atlantis. Science had reached its peak of development even at that time. Most of the souls or Monads of these people belonged to heavenly spirits and they were actively guided and aided in their building of huge cities and technological developments such as flying machines. Following images show the probable lands where the cultures evolved. Asuramâya, created astronomical works to have determined the duration of all the past geological and cosmical periods, and the length of the all the cycles to come, till the end of this life-cycle, or the end of the seventh Race.

Having witnessed from heavens that creation is not moving in the desired direction Brahma must have asked for all such giant creatures be replaced with smaller ones because then they will come

under the force of nature and may evolve as thinkers in order to survive. This was major design decision by the creator.

The Second Flood affected the Fourth Root Race (now conveniently regarded by theology as 'the accursed race of giants, the Cainites, and the sons of Ham) is that flood which was first perceived by geology. If one carefully compares the accounts in the various legends of the Chaldees and other exoteric works of the nations, it will be found that all of them agree with the orthodox narratives given in the Brahmanical books. In the Satapatha Brâhmana, Manu finds that "the Flood had swept away all living creatures, and he alone was left" — i.e., the seed of life alone remained from the previous Mahapralaya, and the Mahabhârata refers simply to the geological cataclysm which swept away nearly all the Fourth Race to make room for the Fifth.

The sinking of continents and emergence of new lands was major event on earth. The current sea level is about 130 meters higher than the historical minimum. Historically [17] low levels were reached during the Last Glacial Maximum (LGM), about 20,000 years ago. The last time the sea level was higher than today was during the Eemian, about 130,000 years ago. The time before which is known as antediluvian (before the he great flood) which is mentioned in books of many religions and cultures. As a result of rise of the oceans and pale movements many flourishing cities became the ocean beds and these people either perished or migrated to new lands. Many clans of Danavs and Daityas migrated to Patal Loka (Americas) where they again started their civilizations Such as Maya, Inca, Aztecs etc.

Language plays a vital role in development of society. There are many different type of languages spoken in the world. Most of them have common roots. During the development of AI bots of Facebook were shut down after developers discovered that the AI had created its own unique language that humans can't understand. It is a natural capability of intelligence to make a language more convenient for its own usage. This is why we have diverse languages and accents in difference social groups. Oldest spoken language was Tamil in the lands connecting India to Australia. While Tamil was the language of masses and usual conversations Sanskrit was the language of literature. Sanskrit is the language of heavenly spirits, perfectly crafted and epitome of linguistic development. Sanskrit posed has two major advantages, one it is lyrical and secondly it can compress huge amount of information in small couplets. These qualities make it is easier to be remembered. The text is written in Devnagari script which literally mean the one used in city of Devas (Gods).

Post antediluvian period saw the advent of fift root race of human beings. HP Blavatsky in 'Secre Doctrine' describes about fifth root race Aryan race (Arya – means Shresta or Superior). They have emerged after the fourth root race) beginning about 100,000 years ago. Aryan root race was physically progenerated by the Vaivasvatu Manu. Manu is also known by different names such as Nuh, Nu, Noah etc. The subraces of the Aryan Fifth Root Race include the first subrace, the Vedic people which populated India in 60,000 BC; the second subrace, the Arabian, which migrated to Arabia in 40,000 BC; the third subrace, the Persian, which migrated to Persia in 30,000 BC; the fourth subrace, the Celts, which migrated to Western Europe beginning in 20,000 BC (the Mycenaean Greeks are regarded as an offshoot of the Celtic subrace that colonized Southeast Europe); and the fifth subrace, the Teutonic, which also migrated to what is now Germany beginning in 20,000 BC (the Slavs are regarded as an offshoot of the Teutonic

subrace that colonized Russia and surrounding areas. All these subraces migrated from a central location known as city of bridges – a place where lies Gobi desert. The location could even be the land of Mansrovar lake near Kailash Mountain in Tibbat.

Sanskrit and Vedas were prevalent even before the arrival of Aryans in India. Vedas being the knowledge which is given by Brhama to Rishis. The culture of new comers was different. The Vedic Aryans were meditating, Yagya performing, eco-friendly people. The cities (Purs) built by these people were of material wood and mud. Beautiful cities, bustling with people who were rich on Dharma, lived happily in the pursuit of intellectual interests. "आ नो भद्रा: क्रतवो यन्तु विश्वत: Let noble thoughts come to us from every side. (Rigveda 1-89-1) A L Basham wrote his book 'A wonder that was India' about ancient India. During these periods, the major development of Ayurveda, Siddha medicines, Vastu-shastra, Astronomy, Philosophy etc took place. The timings of Ramayana and Mahabharta have been carefully calculated by Nilesh Oak [19]. Period of Ramayana is from 12,240 BCE – 12,196 BCE and Mahabharata War happened in 5,561 BCE. Rest is history. The entire aim here is to present the larger scheme of things and build up our perspective.

All humans have interbred earlier and also now. All beneficial genes have spread across the different human races. The human races are just like different models and types of biological machines with minor variations. The main driving software in all human biological hardware is the soul. This scheme goes to show that it wouldn't help to differentiate the humans just by their biological machines but they need to be graded with quality or version of the software (Soul). This signified by the variance of human behavior all across the races. There are criminals, people with animalistic tendencies, good people, erudite scholars, craftsmen, leaders all across the human races. No race is best, all are mixture.

Purpose of Creation. One begins to wonder as to what is the purpose of creation. After all, science and philosophy give credence to logic and reason and nothing else. The purpose would be discussed in detail in next paper where we would talk about the nature of human body and its integration with consciousness. However at present, we will contend with the fact that purpose of creation is to create a mechanism for learning. The mechanism of learning is for software soul or monad which evolves from a binary spark, keeps on learning by integrating in various types of organism body vehicles or biological machines.

Alien Interference. The life on earth has been designed by beings from another dimension. This dimension is dimension of consciousness. The various level of software souls which have been influencing us are 33 different types of heavenly beings with appropriate organisation in various planets. The same beings have born on earth as prototype humans and started human race with purpose given above. The same beings experimented with small insects like ants, white ants species like how the governance should take place and the society was divided into four social groups— Brahmanas, Kshatriyas, Vaishyas and Shudras. In the world today also these boundaries exist, one who are part of Government and military, the businessmen and associated workers, craftsmen and farmers and service industry. The heavenly beings have taken different

roles and incarnations in this world to lead people to knowledge. The human society is also monitored from the other dimension and some special ones of us humans may have souls that belong to different heavenly class. You would not be surprised to identify such humans of great intellect, leadership and ideal human values.

Conclusion

Creation follows three principles, the principle of Mahat, the principle of creation, the principle of evolution. The principles of acclimtisation, adaptation and evolution are the short, medium and long term measures for life form to adjust to its surrounding ecosystem.

In the Origin of Species, Charles Darwin postulated principle of natural selection. The principle of natural selection is indeed a bright observation by Darwin and his theory is mostly right except that selection is not made by the organisms themselves or it is not autonomous but interfered by the intelligent design. The word natural itself signifies nature- an unseen force or entity. This entity can be called nature or divine or Prajapati, by whatever name. The evolution takes place naturally as an inbuilt principle or property of living beings, as a part of their design. Therefore, the scheme of world is not creation alone or not evolution alone but both can be seen as triggering and supplementing processes. This is the major role played by consciousness in creation.

In the scheme of progressive complexity of life evolved on earth, it is the software soul or monad which is benefiting from the lives with organism bodies as its vehicles and keeps evolving (by learning). Human evolution started as different designs, correction, and improvements and remains a complex and intermingled species. The entire scheme highlights the equality of sexes and futility of comparisons across the human races.

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References

[1] https://www.nytimes.com/2019/11/21/science/neptune-moons-orbit.html

[2] https://www.eurekalert.org/pub_releases/2019-12/aouf-agd121219.php

[3] https://en.wikipedia.org/wiki/Darwinism

[4] Bill Bryson- A short History of Nearly Everything

[5] https://en.m.wikipedia.org/wiki/History_of_Earth

[6] https://opentextbc.ca/biology/chapter/13-1-how-animals-reproduce/

[7] https://tinyurl.com/sxx7vgs

[8] https://theprint.in/science/teeth-to-dirt-archaeological-discoveries-are-happening-faster-than-ever-before/344248/

[9] The Secret Doctrine Vol II - H P Blavatsky

[10] http://www.crystalwind.ca/mystical-magical/earth-enigmas/lemuria/the-lost-lands-of-mu-and-lemuria

[11] http://www.scientus.org/Wegener-Continental-Drift.html

[12] https://www.livescience.com/37529-continental-drift.html

[13] https://www.geolsoc.org.uk/Plate-Tectonics/Chap3-Plate-Margins/Convergent/Continental-Collision

[14] https://en.wikipedia.org/wiki/Jambudv%C4%ABpa

[15] https://scitechdaily.com/scientists-find-550-million-year-old-fossilized-digestive-tract-solving-a-mystery-of-primordial-evolution/

[16] http://ajitvadakayil.blogspot.com/2012/07/maya-inca-aztec-civilizations-decoded.html?m=1

[17] https://en.wikipedia.org/wiki/Past_sea_level

[18] https://www.independent.co.uk/life-style/gadgets-and-tech/news/facebook-artificial-intelligence-ai-chatbot-new-language-research-openai-google-a7869706.html

[19] https://nileshoak.wordpress.com/2016/09/19/ancient-indian-history-chronology/

[20] https://allyouneedisbiology.wordpress.com/2018/05/20/biodiversity-species/