3. Deep Thought and Gravity

(From the book "Nature of Human Thought")

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As we have seen in earlier chapters deep thought and gravity are both geometric in nature and hence it is possible that they may be related. Thus deep thought may bend the space-time continuum similar to that done by gravitational mass³³. This interaction might take place in higher dimensional space. Also as mass could be produced and annihilated via a thought-engine during transformation of spaces, it is possible that deep thought and gravity maybe related at a deeper level.

There is a large body of psychokinesis data from all over the world attesting to the interaction of mind and matter²⁹. Thus production of materials from thin air, changes in materials by application of thought only, levitation etc. have been reported by people throughout the ages and from all different civilizations. Patanjali Yoga Darshan states that with *Sanyam* on various objects, a Yogi gets power to master nature so that he can fly, become invisible, move objects by thought and make the human body a very powerful instrument for knowledge gain³⁴. All these things can take place only when deep thought and matter are interrelated and hence can interact.

Deep thought is a product of almost 100 billion neurons firing in a laser-like fashion. Similarly it may be possible that gravity manifests only when a very large number of particles are involved. Both gravity and deep thought therefore involve large-number mathematics. The exact nature of how it takes place is not known. We can only measure gravity with masses of the order of milligrams. According to physicists below this mass it is extremely difficult to measure gravity since gravitational forces are very weak. Nevertheless even a milligram of substance contains billions and billions of atoms and it is possible that these large numbers produce (possibly through the movement of electrons and atoms, etc.) a signature called gravity. This concept is very conjectural in nature. However, it is quite possible that movement produces the necessary structure which could be either thought (firing of neurons) or gravity (movement of electrons etc.). Movement is an outcome of time. Without time there is no movement and ultimately everything devolves into 'G' space.

There are many instances in Indian Yogic tradition where highly evolved Yogis and enlightened individuals have left their body with full knowledge of conjunction of planets and stars. Thus in Mahabharata it is mentioned that Bhishma Pitamah stayed on the prickly arrow cot for six months before he left his body during "Uttarayan" (Sanskrit word for sun rising from north) when the sun was closest to earth in winter³⁵. Similarly Vivekanand and Shri Ramkrishna - two great Yogis of India in the 19th Century left their body by will, after detailed understanding of planets' conjunction

through the almanac³⁶. In ancient Indian text of "Brahma Sutra", it is stated that the soul guided by Sun's gravity reaches space called heaven³⁷. Apparently the ancients knew about the effect of gravity on soul and deep thought.

Gravity Antennas

It can be conjectured that the Egyptians built the massive pyramids, not only to bury their kings or queens but they also acted as gravity antennas. The biggest Giza pyramid is estimated to weigh 6 million tons and the King's and Queen's burial chambers are close to and equidistant from the center of gravity of the pyramid³⁸. It is quite possible that the ancient Egyptians understood that localized gravity might help the passage of soul through intergalactic space. Alternatively it is also possible that Egyptians thought that a pyramid might act as an antenna for deep thought or Universal Consciousness to help resurrect the King and the Queen! I feel the same laws may have been used by the Yogis when they meditated inside deep caves in mountains. The mountains could have acted as antennas for reception of universal knowledge.

At another level, the earth's gravitational field might have helped in evolution of life on this planet. The molecules of a certain size became "living" when they resonated with the gravitational field of the earth. It is quite possible that at this juncture the concept of time also got embedded in the "living" systems. These could be the "critical size" molecules, which were essential for evolution of life. We do not know what this critical size was but these molecules effectively became gravity antennas.

In nature all the forces acting on a living entity help in its evolution. Gravity forces are the largest force acting on any organism on this planet earth. Hence it is natural and quite possible that gravity helped in life's evolution. It may be interesting to test this hypothesis by taking the "critical size" molecules in the zero gravity environment of outer space and to see whether they replicate and transfer the genetic information-the basic prerequisite for life.

Alpha Waves

The interaction of deep thought and gravity can also be seen in the interaction of alpha waves and earth. Alpha waves are produced in the brain when we are in meditation or relaxing. These waves are generally in the range of 8-12 Hz frequency³⁹. The earth diameter (~12,800 km) is such that it can have a standing half-wave of 11.7 Hz (very close to 12 Hz). Is it therefore possible that our brain evolved in such a manner that the **earth's geometry influenced the alpha wave production?** Incidentally scientists have also discovered that before major earthquakes an electromagnetic wave of 0.01-10 Hz comes from deep inside the earth⁴⁰. This wave is sometimes sensed by animals and could be the basis of reported earthquake prediction by them. In some other habitable planet the living beings may have different alpha waves depending on the geometric shape and size of that planet. Similarly life on other planets may evolve according to their gravity field.

Interestingly enough the relationship between alpha waves and earth's geometry may have other implications. Practitioners of Bhakti Yoga and Buddhist traditions have always stressed the need to allow full flow of thought waves without any interference from ego or sense of identity ' I ' for achieving samadhi. Bhakti Yoga says that one should completely sublimate ' I ' by abandoning oneself to God or Universal Consciousness⁴¹. Similarly Buddhist lamas of Tibet suggest that one should try to relax so that the ego stops interfering in thought production. I feel both these practitioners are intuitively trying to allow the mind to follow the alpha wave pattern. Thus when mind gets tuned to the gravitational field of the earth, meditation and samadhi result.

Our present science is based on reductionist principles. We believe that once we find the basic building block then we can construct the whole universe around it. Thus the physicists all over the world are building bigger and bigger atom smashing machines to smash the matter and discover that ever elusive building block. I feel we are looking at the wrong end of spectrum. Interaction of large number of variables producing their unique signatures may provide a mechanism to link all the various forces of nature. Hence our thesis of deep thought and its relationship with time, mass, space, Universal Consciousness and knowledge maybe a step in the right direction.

In the annals of human civilization, quantum jumps in our understanding and knowledge have taken place when a great thought has been produced by persons like Buddha, Christ, Kepler, Newton, Einstein, etc. It is quite possible that a similar quantum jump may take place when a relationship is discovered between human thought, consciousness and matter. It will explain two of the major mysteries of our times – consciousness and gravity.

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