

Deep Thought, Matter and Gravity

(A chapter in the book [“Nature of Human Thought”](#))

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(Latest material on this subject is published [here](#) and [here](#))

We have conjectured in [earlier chapters](#) that deep thought is geometric in nature. So is gravity 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 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 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

That the ancients knew about the effect of gravity on human soul is also attested to by the superstructures built for kings and queens' burials. It can therefore be conjectured that the Egyptians built the **massive pyramids as gravity antennas** for passage of soul. 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 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**. Since movement is an outcome of time, 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 with 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 (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** besides the effect of other environmental variables.

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' (ego) 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.

Besides gravity, [earth's magnetic field may also affect the thought process](#). A human brain produces a small electromagnetic field. The measurement of this field by EEG shows the activity levels of the brain, whether it is producing alpha or other waves. Any weak or powerful magnetic field may therefore affect its working and hence the thought. Our present age is an electric age and thus we cannot help being engulfed in electromagnetic (EM) fields. Whether they are from our cell phones, or overhead high voltage wires, or microwave ovens, MRI scans, etc., we are continuously being bathed by them and cannot escape them. These man-made fields together with the fluctuations in earth's magnetic fields created by solar storms provide a large number of possibilities of affecting the human thought process.

Also both gravitational and magnetic fields, all around the world, vary slightly from their mean values. Since they can affect the working of the brain, it is possible that some places maybe [more conducive to creating deep thought and creativity](#). This could have been one of the basis of setting up temples and holy places all over the world.

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 might help explain two of the major mysteries of our times – consciousness and gravity.

References

29. Lyall Watson, *SUPERNATURE II*, Sceptre, 1986, pg. 211 (good source regarding data on psychokinesis, poltergeist, etc.)
30. In 1947, William Shockley, John Bardeen and Walter Brattain invented transistor in Bell Labs, U.S. Termed as one of the greatest inventions of the twentieth century, this development ushered in the modern electronic and computer age. In 1957 the trio was awarded the Nobel Prize for Physics.
31. Shri Ramkrishna was a great saint of India. He was born in Bengal in 1836 and was a great exponent of Bhakti Yoga (Ref. 41). His most famous disciple was Swami Vivekanand who went to U.S. to attend the World Religion Conference in Chicago in 1893. He later preached and set up in U.S. centers about Vedanta and Indian philosophy. Though Ramkrishna was illiterate yet his innumerable visions tally quite accurately with the findings of modern cosmology. A good book on these visions is *Visions of Shri Ramkrishna*, Shri Ramkrishna Math, Chennai, 1989 (pg. 60). Ramkrishna left his body by will through Samadhi.
32. Ref.1, Sutra III. 47.
- 32(a) Ref. 1, Sutra I. 41.
33. According to Einstein's General Theory of Relativity a massive body bends space-time continuum around it. This change in geometry of space results in the gravitational effect. One of the best treatments of gravity and mass has been given in a book entitled *A Journey into Gravity and Space time*, by J. A. Wheeler, Scientific American Library, 1990.

34. Ref.1, Sutra III. 43.
35. Mahabharata is an Indian epic written sometime between 3000-4000 B.C. (the exact date is unknown). The epic is about a great war fought between cousins Pandavas and Kauravas over the control of kingdom. The famous Indian philosophical book Bhagwat Gita is the advice given by Lord Krishna to Arjun (Pandava) at the start of the epic war. During the war the commander of Kaurava army-Bhishma Pitamah was felled by Arjun's arrows. He remained on the bed of arrows for almost 6 months and left his body by will on winter solstice (when sun is nearest to the earth).
36. *Life of Swami Vivekanand by his Eastern and Western Disciples*, Advaita Ashram, Calcutta, 1979. pg. 645 about his death or Mahasamadhi.
37. S. Radhakrishnan, *The Brahma Sutra*, Published by George Allen and Union Ltd., London. 1960. The Brahma Sutra was supposedly written by one Badarayana sometime in second or third century BC. It is the exposition of the philosophy of Upanishads and tries to systemize their various strands.
38. Peter Lemesurier, *The Great Pyramid Decoded*, ELEMENT, Australia, 1977, pg. 7. If the height of the pyramid from its base is H, then the King's and Queen's burial chambers are located equidistant at H/12 above and below the center of gravity of pyramid, respectively.
39. There are generally four types of rhythms in the brain. A deep sleeping brain produces 1 - 4 Hz waves (delta rhythm) while during dreaming the cycles are 4 - 7 Hz (theta rhythm). In conditions of relaxed awareness, which most yogis get into during meditation, the rhythm is called alpha with frequencies of 8 - 13 Hz. The fully awake rhythm is 13 - 30 Hz (beta). Ref. 29, pg. 129.
40. Bob Holmes "Radio hum may herald quakes", *New Scientist*, Vol. 148, No. 2009/2010, 23/30 December 1995.
41. Bhakti Yoga is one of the four Yoga systems of Indian philosophy. Others are Jnana (Knowledge), Raja (based on Patanjali system) and Karma (work) Yoga. The main tenet of Bhakti Yoga is the intense love of individual soul (atman) for the Universal Consciousness (paramatman) which helps in liberation and ultimate realization. Shri Ramkrishna was a proponent of this system.

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