

CHAPTER - VI

Chapter Six

THE MYSTERIOUS ENERGIES

Ancient cultures such as the Chinese, Japanese and Indian have all tried to look at the subtle effects of the nature and of built environment on the human system through divination skills known as Geomancy. Geobiology, a branch of modern science, has much to reveal about the formidable knowledge and mystery of the ancient geomancist.

In ancient times, architecture was not only a creation of form to limit or define space, but was inherently a sacred form, a three-dimensional mandala. All cultures took into consideration their understanding of the varied subtle effects of the environment, both natural and built, on the body. With this knowledge, termed Geomancy, our ancestors created forms that were in harmony with the laws of that greater creation that surrounds us; forms that live not in time, but have outgrown time and live in eternity. There was a magic of numbers, a sacredness of proportions and materials, a mysticism of harmonies and colours, critical choice of the right location and the right moment in time, so that matter and form expressed in an infinite number of ways, the cosmic truth, and made us experience the multiple attributes of the infinite.

To-day, a branch of modern science known as Geobiology dedicates itself to an investigation of the principles on which these laws are based. The initial conclusions reveal much about the formidable knowledge and mastery of the ancient geomancist in the Indian subcontinent and in other ancient civilizations.

ENERGY GRIDS

In the late 1970s a German physician, Dr. Earnest Hartmann, developed an instrument, the Lobe Antenna, to identify what he discovered was a grid of energy lines emanating from the earth's surface and circumscribing our globe. This energy is oriented magnetically in the north-south direction at 2 m intervals, and in the east-west direction at 2.5 m intervals, and is now called the Hartmann Grid. These energy fields are termed Bio-Electro-Magnetic fields (BEM), and the last two decades of research reveal that the radiations from the surface of the earth, termed 'telluric', are BEM energy grids of twenty types (apart from the harmful BEM energy fields of underground water streams, faults in the earth and cavities). Of these twenty, normally four are important for man.

That the existence of these energy fields was also known in ancient times is revealed by various structures : The old monasteries in the Himalayan orient the houses and cells for monks such that they are contained within the BEM grids in what is normally a neutral zone. Menhirs (megaliths) dotting the surface of the earth from the Far East to Ireland, built over 4,000 years ago, were located specifically on the most negative energy points - nodes or intersections of BEM grids, so that because of their material, form, etc., they transform the negative telluric vibrational grids into positive fields, and act as transmitters, radiating and affecting a vast area, a function they continue to perform even today. The dolmen acts as a receiver.

The Romans oriented all the buildings in their villages, towns and cities with respect to the 2nd Global BEM grids. They used the terms *Maximus Canto* for the north-south directions, and *Maximus Decumanus* for the east-west directions. All their roads of conquest followed BEM grids that are much larger, having their energy lines *Maximus Maximorum* at grid distances of 2 to 3 kms. Interestingly, the width of the *Maximus Maximorum* is 1.35 m, which was also the width of the Roman chariots. The Romans, being aware of the negative energy of these lines, manipulated the grid, rendered it positive and used it to reduce fatigue amongst their marching soldiers and charioteers.

The ancient Celts also oriented all their buildings with respect to the 2nd Diagonal BEM grids as is evident from studies of their ancient sites.

In ancient India, both the 2nd Global and the 2nd Diagonal were used in the concept of the eight dishes, more specifically for the orientation of temples with respect to residential areas, as is clearly explained in the vastushastras.

The direction of the flow of energy of these telluric BEM grids is from north to south and from the east to west. Research has revealed that the intensity of these telluric BEM grids in the Indian subcontinent is not consistent throughout the day and the year. There are cyclic variations but these have a fixed pattern, and these patterns exactly match the concept of Kaal and ghadi in India, that is, 8 ghadis from sunrise to sunset, and 8 ghadis from sunset to sunrise, each ghadi being of 1 1/2 hours duration. In the south and north of India these ghadis are also printed on the calendars for each day of the week.

For example, in the South the terms used are Rahukalam (inauspicious), Gullikankalam and Yamangalum (good). These

periods are exactly related to the variations in the intensities of the BEM telluric grids from the basic energy level, becoming negative or more negative or positive in cyclic periods of the Kaal. In the North, the ghadis or kaals are termed as Shubha, Labha, Amrita, Udvaga etc. The concept of Brahmamuhurta, an extraordinarily auspicious time, is related to sudden, very high positive intensities of the BEM telluric grids between the period 0200 to 0500 hours every day. Similarly, the hour after sunset, sandhya or vesper, is related to high positive intensities of these grids.

The causes of these variations are still a matter of research, but it is amazing how our forefathers had an exact and intimate knowledge of these energy fields, their direct and subtle effects on the human body, and amazing too how they developed the ways and means to master these fields and manipulate them to the desired intensities for our benefit. In most ancient religious buildings, the presence of an underground body of water is a must, as water also emanates from BEM energy fields. The classic example is that of the famous cathedral at Chartres in France, where water currents have been used and created to give the necessary permanent vibrational support. We still wonder how and why they built the water channels at a depth of 37 m (over 100 ft. Deep), and why at Chartres the

height of the central dome above the ground is also 37 m. •

All living creatures in nature are very sensitive to these 'invisible walls' of the different telluride BEM grids. Cats are found to thrive on negative energies, and will always locate the Hartmann or Curie or other BEM grid nodes of 2,000 Bovis or so, for recharging themselves. Ants are also known to locate their ant-hills on similar grid nodes, points that are harmful for man, whereas dogs, horses, cows, sheep, etc. will always find positive of natural energy grounds for recharging themselves, areas that are beneficial for man. Studies have shown that 12 hours before any earthquake tremors are felt anywhere in the world, the BEM telluric grids undergo a change. At the actual time of earthquake the grids encircling the entire globe are badly shaken, and it takes about half an hour after the earthquake for them to become normal. Underground nuclear explosions disrupt BEM grids over the entire surface of the earth for days on end.

MEASURING ENERGY LEVELS

There are very accurate ways of measuring the various energy fields existing around us, with simple unsophisticated instruments such as

the Lecher Antenna and the Biometer, a scale developed by a Frenchman, Antoine Bovis, and his colleague Andre Simonton. Due to a lack of consensus on what to call these units of energy, they are termed Bovis. On the Bovis scale, therefore :

- 0 Bovis represents no energy.
- 6,500 Bovis is the normal human, physical body energy if there is no disease of any kind in the system. An indication of lower physical energies of the body is a sign of disease, infection or a medical problem. The lower the body's energy the more significant the disease, ultimately leading to death.
- 6,500 Bovis to 16,000 Bovis are the energies of the different chakras of the body ; these are also reflected in different cultures as concentration of energy in the sanctum sanctorum or garbhagriha in churches, temples, mosques, etc.

In churches for example, around the cross, the energy level has been measured at 11,000 Bovis corresponding to the energy level of the heart center or the Anahata Chakra. The ringing of church bells creates vibrations at 11,000 Bovis. In mosques, the energy level is around 12,000 Bovis in front of the east-facing niche, corresponding to the energy level of the throat centre of Vishuddha Chakra, and therefore, the importance of the call of the mujahideen

to the faithful and to Allah, which interestingly, also vibrates at an energy level of 12,000 Bovis.

In the Tibetan temples, the energy level is around 14,000 Bovis in the garbhagriha, corresponding to the Ajna Chakra (between the eyebrows). Incidentally, the Buddhist stupa, because of its proportion and form, radiates an energy of 12,000 Boris, which has a beneficial influx, besides subtly attracting the individuals to spiritual centers for recharging themselves. The Tibetan prayer wheel containing a mantra written on parchment or tissue, when turned, makes the environment vibrate at 12,000 to 16,000 Bovis.

POSITIVE AND NEGATIVE ENERGIES

These particular vibrations created by forms and their proportions are independent of the material they are made of, whether it be wood, metal, silver or gold. Woven or even printed on paper, the energy level of every symbol or yantra or mandala remains fixed. Unfortunately, it is yet to be established how the ancient masters built so as to arrive at such specific high energy fields. Furthermore, as the body is not used to being in high energy environments, we find that in all religious buildings there is a

progression of energy fields from the entrance to the sanctum, reflected in the many doors, or changes in plinth level, as well as a demand for celibacy to help priests withstand exposures to these high energy levels. A good example of the power of a symbol is the energy level of the swastika or the satya, as it is known in India. Drawn, printed, or used in sticker form, it has a formidable positive energy level of 1,000,000 Bovis (1 million or 10 lakh Bovis). The swastika used by Hitler (at 45° to the cardinal axis) has a terribly low energy level as the satya, but is totally negative.

There are things in nature that have very high positive energies by themselves, such as sandstone, marble, etc. There are others that have very high negative energies ; diamonds and some other gems, granite and quartz, the latter having the terrible effect of vaso constricts or constricting the flow of blood in the vessels. The sun's rays are a source of natural energy. In physics, $1/10^{10}$, an Angstrom unit 10^{-10}m , is used in describing the wavelengths of visible light and other forms of energy. The color red in the visible color range corresponds to 6,500 A. A Red flower, for example, has a base energy level of 6,500 Boris ; the moment the sun's rays fall directly on it, the level rises to 7,200 Boris, but returns to normal once the sun's rays pass over.

The only natural element that is an infinite source of totally positive energy is fire. The smallest flame of any type radiates infinite energy. But curiously, an even number of flames in an environment or room cancel each others' radiation and become harmful. An odd number of flames are used in several cultures because they complement each other and create a highly charged positive environment. The importance of aarti in India now becomes clear. As the hands are put around the flame to take the aarti, those few moments are sufficient to raise the body's physical energy to that of the flame. It becomes infinite for a short period of time.

In the ancient Indian and Far Eastern cultures the earth energies (Bio-Electro-Magnetic grid radiations and radiations of underground streams of water, faults in the earth, cavities below surface, etc.,) were all graphically represented by snakes. Garuda holding snakes under each claw and not allowing the snakes to mingle or cross, signified mastery over these earth energies. The ancient Chinese and Tibetans symbolized these earth energies by dragons; and some ancient European cultures by Wyverns.

In man, each cell of the body is like a radio receiver with its own characteristic frequency at a wavelength of 22 cm. To receive other

frequencies, the cell needs an electrical potential of 70 mill-volts, corresponding to 11,000 Bovis, which it draws from the liquid that forms 97 percent of the cell in a young child and 60 to 65 percent in an adult. Each cell in the body receives fundamental energies in the form of vibrations from the earth and nature. In our present technological world, man is being inundated not only by the telluric and cosmic energies, but by many more negative energy radiations such as those due to the generation, transmission, utilization of electricity, television antennae and tubes, overhead and underground water tanks, reinforced cement concrete buildings and structures, synthetic materials and clothes ; the list is unending. Also, we are more affected by these energies at our place of sleep and our place of work, as the body is stationary for a longer period at these places. These negative energy fields disrupt the vibrational energy of the cells in the areas they intersect in the body, resulting in disease over a period of time.

THE ARCHITECTURAL RELATIONSHIP

In the already built environments, one can only study the different kinds of energy radiations, and find ways and means of harmonizing and neutralizing them. This is very much more complex and

difficult as it is not normally possible to rebuild or reorient the building. In a new structure a lot of things can be easily taken care of in establishing the right energy levels by the use of materials such as lime, sandstone, limestone & marble. But, to be effective, these need to be fixed in lime mortar instead of cement. Ideally, at the foundation level, if we can spread a 2 inch or 5 cm layer of pure lime before laying the brick jelly or lean concrete, it helps further harmonize the radiations coming through the ground. In concrete too, if we can replace granite by sandstone/limestone chips it is a big help. In Europe today, the effort is to develop a new range of products -- paints, varnishes, preservatives for wood, etc., which have only positive radiations. To a large extent using the right natural materials helps.

Steel reinforcements in columns, beams slabs and walls, create a sort of cage of Faraday. We could say that we are living in a highly charged environment between two plates of a condenser. To neutralize this it is necessary to establish good earthing for the steel reinforcements so that the ionization factor is neutralized, and the body, therefore, not stressed.

The form of the building, its orientation, the symmetry of its door and window openings and their proper alignments, the layout of the different rooms, all these and more, are factors that, if considered at the design stage, help the harmonization of energy fields and their effects on our body.

The subtle relationship that exists between the orientations (disha) and the different types of energy radiations that relate to energy axes in our body, is the key to understanding the relationship between the energy fields of man and buildings. Basically, the orientation of buildings according to their forms, materials used, proportions, etc., play a very powerful role in creating either the right or harmonious environment that affects us socially, psychologically, mentally and spiritually.

The form of a house/apartment, etc., creates an energy field that is termed the Central Energy Point or Energy of Form, which is a Cosmo-Telluric Energy column, radiating in ten directions : east, west, north, south, north east, nadir and zenith -- all earth, environmental and cosmic energies coming through and existing in the place concerned. These directly affect the human body at the different points of our chakras or energy centres, not necessarily

the same for man and woman, from above the head to below the feet.

The form, proportions, orientations and materials used in the house or apartment create another set of energy fields that are complementary to the Central Cosmo-Telluric Column or Energy of Form, and which affect the energy fields within the house with respect to the six orientations and the nadir/zenith at each of these eight orientation points.

This understanding of the relationship of the various subtle energy fields with the energy axes of our body and with the ten orientations is the prime factor harmonizing us with our built environment. We do not then have to worry about how to neutralize each radiation source separately ; we have to harmonize them by acting on the ninth, which is the Central Cosmo-Telluric Energy Column.

The central theme of this essay is adopted with several modifications from (Architecture + Design) bi monthly magazine.

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