

### Scientific base for Paranormal phenomenon.

May I urge our scientific and ministerial cadre, responsible for human safety, to learn from the 'drama-in-real-life' that took place long before the Tsunami struck the coast of Andamans, Tamilnadu and Srilanka. Viewing from the background of this calamity, it is not any more a matter of choice but one of necessity to fulfil the responsibilities of the role one plays in a system. Solving problems in matters of life and death situations requires people with courage to throw aside prejudices & hang-ups in searching for effective answers. It is worth noting that the incidents mentioned below were reported & repeated many times by the frontline media and also from reliable witnesses present there at that time. Hence there is little reason to doubt its veracity.

Two days before the disastrous Tsunami struck the East Coast; the seasonal migratory birds abandoned their habitual resting sites in Tamilnadu and departed for safer havens. The local sea gulls and other birds moved to the opposite shores of the lakes to seek refuge from an impending disaster. In Srilanka, while the human death toll was heavy, no animal or bird carcass was found along the southern shores, which normally supported a large animal population. The most credible reactions came from some tribal groups in the Andamans. It was reported that an entire tribal group, reading the signs of impending danger, saved themselves by reaching for higher ground, long before the disaster struck. For the sake of brevity I will not list the other incidents mentioned by the media.

The significant question "how did this tribal group & groups of animals act early enough to save themselves while the scientific institutions, responsible for promoting safety, had no inkling of the cataclysmic disaster till it was at their very doorstep " demands a categorical answer from the powers that be. The scale of protective activity witnessed days before the event, must compel our serious scientists to seek out that particular "operative law", which allowed the so-called dumber sections to escape decimation so successfully. The unimaginable level of collateral damage experienced in this one event must at least motivate the 'rationalists' to set aside their inhibitions and reach out for the same 'intuitive' solutions lurking in the boundaries of physics. The pity of it all is that these laws have been staring us in the face since time immemorial. This tsunami event, tagged with the strongest evidence for the spontaneous & large-scale operation of paranormal forces, is a golden opportunity for scientists to refocus their dormant intellectual faculties on to such areas. I propose to show in this article the scientific connection between the apparently

paranormal behaviour of the survivors and the physical cause of the Tsunami were due to the same phenomena.

The lacuna in our scientific knowledge was effectively exposed by the ministerial level decision to install a particular type of early warning system. It was to install the same type of tsunami warning system that had singularly failed in the very locations it was meant to protect. What further proof do we need to highlight the deplorable paucity in our knowledge of nature's laws, which all other forms of life seem to understand intuitively and effectively? The so called early warning system, being installed in a few years from now, costing an arm and a leg, is in fact a mockery. For it promises grandly, "minutes" of advance warning whereas the paranormal provided it free of cost with "days" of advance notice. In fact it would be far cheaper and probably more reliable to put on call a relay team of 'surfboarders' riding the tsunami wave crest, to give the clarion call to safety! Neither can one take shelter under the term "coincidence". Collective action taken by large groups, from different locations, to stem the same event can never be classified as a coincidence. For it goes against the tenets of the scientific 'whipping boy', statistics.

The extraordinary 'December 2004 Tsunami' event, second time around since the Krakatau catastrophe in August 1883, is a punishing directive to scientists, to seriously analyse the complementary spectrum of physics. The factual evidence for which is scattered throughout history, in the form of events that scientists love to ridicule. Starting with the process of credible scientific analysis, Annie Besant and Leadbeater published precisely tabulated structural details of 92 elements in the atomic periodic table during the early thirties. It was special for three reasons. First, it was completed 50 years ahead of the work done by scientific research laboratories. Second, it contained details yet to be deciphered by scientists. Last, Dr. Stephen Phillip, after extensive research, published an accolade through his recent book, not only confirming its accuracy but highlighting & rationalising the details 'yet to be discovered' in Physics. A confirmatory article by an Indian nuclear scientist was also published in a leading local newspaper. The paranormal analytical process used by the duo went by the name of 'seeing or remote viewing'; the laws for which were unknown and the basis for its logic, non-existent, in current Physics. The Annie Besant / Leadbeater paranormal feat cannot be brushed under the carpet for there are explicit listings of hidden components with accurate numerical values that Physics 'wants' but scientific researchers have been unable to derive it from its known laws.

The late Dr. Puharich, a dedicated researcher into paranormal phenomena, investigated Uri Geller's psychokinetic feats, conducted under strict laboratory supervision, at the Stanford Research Institute (USA). The results were accepted and acknowledged but was arbitrarily ignored as no theoretical basis for it could be derived from the known laws of Physics. But the European media and TV networks added a tail-twister that exposed science's 'Achilles-heel', worldwide. During Geller's mental spoon-bending demonstrations on European TV, thousands of viewers reported that the cutlery in their room too, went on a sympathetic deforming spree, leaving the scientific community sheepish and speechless. Curious scientists today need only look at the banner headlines in leading European dailies of that period, to understand that it confirmed the existence of an occult spectrum of interactive laws, lurking in the wings of the same scientific stage. It was a decidedly unusual but pathetic situation where the scientific community for once did not trot out their usual spiel on "investigative standards" but maintained instead a stoic silence, hoping public memory would be short this time too. If any sceptic, scientist or other, has the temerity to doubt its scientific base, it should be sufficient to point out, that the same electromagnetic wave which put the metal-bending scenes on to the TV tube also recreated Geller's psychokinetic acts in people's homes, at the same time.

Numerous reports exist of adepts with skills of 'materialising objects' which, is a hallmark of Puttaparuthy Sathya Sai Baba's paranormal abilities. Despite numerous efforts by sceptics & hecklers to disprove the Sai Baba's paranormal skills, his consistent demonstration of it over decades has made it a credible act. The very least that honest scientists & dedicated institutions can do now is to publicly acknowledge its existence as an observable phenomena, so that it can be openly put into a regimen of testing, evaluation and verification, to establish its scientific connection to known physical laws. The naïve attitude of the scientific elite to bury anything that cannot be brought onto the laboratory table, is an ostrich-like attitude that only encourages hypocrisy and double-talk. It is even more so when hard core scientists themselves pay private obeisance to the paranormal, disguised as spirituality, but raise a vociferous hue & cry against it in public, from the safe ramparts of their scientific fortresses.

Lemmings, gnus, whales and a host of other such groups indulging in headlong suicidal missions spontaneously, provide perennial data on mass behaviour, for doctoral level dissertations. Yet similar patterns of spontaneous behaviour witnessed in large groups of people, has never been researched with the idea of finding a unique motivating cause. Among many such quotable events in history, the Maha Khumbha Mela, held a few years back, stands out as an ideal

backdrop to study and unearth its unique motivating cause. The facts behind that movement were the spontaneous motivation of 20 million people to assemble in one region, on a particular day, to witness a unique event for attaining personal salvation. Getting 100,000 people into a sports stadium is not a great event today but motivating the entire population of a small country to witness a non event at a particular place, date & time, voluntarily, is indeed a statistical impossibility. Add to it the uncertainty in solving the logistical problem of finding food, shelter & transport in a strange area, with the limited financial means of a lower income group the majority belonged to and one has a case for revising the rules of statistics.

It was indeed a miracle that the Mela occurred at all but the twist in this story is that it was predicted years back. One would have expected, at least as a spin off, a series of intellectual discussions, both by the English media and the intelligentsia, on an event of history. The only notable media reaction was to publish pictures of naked Sadhus, while highlighting the presence of foreign female 'renunciates' in a similar state of undress. Why was there this disdainful attitude towards a mass event of the century? The reason was that advance predictions were made through astrology.

This deep-seated bias against a science with paranormal overtones is a spillover from the Macaulayan education most of our English speaking literate have passed through. Add to it the contemptuous outcry by the scientific community against a subject that has astronomy as its base, and we have a cadre that is second only to the Ku Klux Klan or the Spanish Inquisition. It has been a matter of great pride to quote that intellectual curiosity has been the reason for scientific progress, but unfortunately it has turned out to be a matter of great shame when hundreds of scientists submitted a sneak petition to bar astrology from university curricula. Where goes the principle of democracy when a system adored by the masses is removed by mindless rationalists that lack even elementary curiosity to find out why the populace do so. Again, the sense of equality paramount in all human endeavours forbids the arbitrary classification of their practices as superstition. For, in reality yesterday's belief is today's science. A real scientific temper demands that the term superstition be wiped out of its vocabulary, by the scientists themselves!

That was what a dedicated scientific couple did in France. Messrs. M. Gauquelin attacked astrological premises through statistical analysis and found to their utter surprise an extremely significant correlation between human excellence and planetary positions/angular displacements. Despite being hounded by the scientific fundamentalists, the couple have re-invented

astrology as a statistically relevant science that defines human genetic and psychological qualities. The significance of the spate of books they have published lies in the degree of publicity given by the so-called fair-minded media, which is none. I have to admit with a sense of shame, the media in India too, have fallen in to the same trap as their occidental brethren. For, the adepts in astrology here have not even heard of the significant, single-handed and monumental work of the French couple.

Institutional support is a great motivator of research, applied to avante-garde subjects. The Maharishi University, a private institution, has done yeomen service worldwide, to promote the understanding of science from a holistic platform that automatically included the paranormal. It has researched, disseminated, practised and educated not only the interested public but also the echelons of the governments in each of the country it is located in. In that process, it has introduced the principles of the paranormal, scientifically and sagaciously, blending theoretical knowledge with physical practice, so admirably tailored, that even members from the “fundamentalist” camp have succumbed to experience its measurable benefits.

The Maharishi University, now an established worldwide phenomena, has a large group of scientists too, in its list of Alumni. The prime motivator of this phenomena, Maharishi Mahesh Yogi, researched and laid bare the principles of manifestation from an ancient philosophy that blended holistic theorems with combinatorial mathematics. It is called Sankhya, forming the core of the Bhagavadgita, imbedded in the Mahabharatha. It is a matter for great admiration, that the pedagogic and psychological skill of Maharishi Mahesh Yogi, established the Maharishi University as a Vedic science institution, despite the common perception (though wrongly) that the Bhagavadgita & Mahabharatha came from the citadels of religious Hinduism.

It would not be my intention to explain [Sankhya](#) theory here (Please see my article on Sankhya, published in World Affairs Journal vol 6. No 3, Jul/Sep 2002) However a brief explanation is given below to help understand an extraordinary and catastrophic event. Sankhya’s extraordinary logical structure, simplified to operate through combinatorial mathematics, enabled one to derive all the laws of manifestation through a single principle of interaction. Its structural simplicity led to derivations that formed axiomatic theorems which, could not be disproved. Hence one could extrapolate into areas, that Physics, based on empirical logic, could not. Its outstanding derivation supported by accurate mathematical proof established that space, the foundation for all phenomena, had independent, interactive properties, (contrary to concepts in

physics) with a precise and constant numerical value. It is called the [Moolaprakrithy](#) (MLY) and is mentioned here to enable a comparison of Physics with Sankhya to expose the rationale for paranormal interactions. Its value is approximately 10 raised to 50 (10 followed by 50 zeroes) vibrations of a unit volume in a unit cycle-time. The concept was that a unit volume of space vibrated at that rate when there was no movement and when movements took place that rate decreased proportionately. The different forces in Physics were just the different order levels of MLY interactive rates and all particles were only holographic forms of local stresses in space. Holograms underlined the concept of Maya and all levels of active forces as Karma.

The critical problem in Physics is the concept of measurement itself. It forms a major barrier to understanding paranormal phenomena. As an example the common anemometer measuring wind speed has a built in caveat. If the anemometer, due to frictional losses, only begins to move and register at a wind speed greater than say 4 kilometres per hour (kph), it does not mean there would be no air movement because it showed a zero reading. Actually there could be an effective air movement anywhere between zero and 4 kph, that could be detected but not measured. A researcher watching a motionless anemometer intently for signs of air movement would be surprised, if his assistant reported that there was air movement by seeing the leaves move, on a tree outside the laboratory. It would be true to say that his assistant would not know the speed of the wind but nevertheless no one would doubt the truth of his statement that the leaves were moving. Theoretical physics has put itself into a bind similar to the wind researcher and his assistant. The researcher does not believe there could be a wind below 4 kph because his anemometer cannot measure it. Further he does not think his assistant's observation could be correct because he believes air cannot move anything, below that speed. Here is a classic example of the assistant having paranormal vision, from the researcher's point of view

To change the erroneous concept of the researcher and make him accept that movement of air at any level would produce a reaction, we need another experiment. In a previous century Count Magdeburg wanted to convince his medical colleagues that air was under pressure and the effect of 'suction' was due to its pressure difference. He placed together tightly; two large metal hemispheres and evacuated the air from inside. He showed his peers that even many horses could not pull apart the two sections held together, only by vacuum. He introduced a leak to break the vacuum inside and when the hemispheres fell apart on its own his colleagues understood that "force of suction" was caused only by a pressure difference. Now, our researcher too

would be able to understand that even the smallest movement of air was caused only by a pressure difference and the movement of objects depended on the resistance the air had to overcome or a pressure difference sufficient to overcome the friction, before it started moving.

The foregoing describes exactly the reason why & how scientists cannot understand the logic behind paranormal events. Max Planck, facing a paradoxical behaviour in the radiation of energy, resolved it by an innovative theoretical concept that energy was always radiated in packets, each unit called a quantum. He derived the value of the quantum from measured values obtained from numerous experiments. Taking the value of the quantum as Planck's constant for purposes of comparison, it was approximately  $10^{33}$  (10 followed by 33 zeroes) vibrations of a unit volume in unit cycle-time. What Planck discovered was conceptually the same as the Moolaprakrithi derived mathematically in Sankhya, except that the former represented the rate when movement commenced whereas the latter specified the value when there was no movement. Planck could not have done better for in an experiment based on measurements, only movements or relative motion could be detected. The difference between the two values was a gigantic  $10^{17}$  (10 followed by 17 zeroes) times. In other words the number of vibrations needed to initiate movement from a static state was indeed very large. Physics was not aware that the inertia or 'friction' in space was indeed a huge value that could not be measured till it exceeded the quantum value.

Reviewing the wind researcher model, Planck's constant represented the equivalent of the 4kph-wind speed needed to register a reading. Planck's constant, when it became a detectable quantum, moved at the velocity of light. Whereas MLY was the value when it was not moving. Now we can see the parallel where the researcher's assistant saw the moving leaf while the anemometer had not yet started to register. In other words all movements at speeds less than the velocity of light was an effect similar to the movement of the leaf. What it implied is that just as the leaf moved because of air movement caused by a difference in pressure, 'objects' in space moved due to a difference in pressure too but quantified differently. Pressure in space was measured by the rate of vibrations per cycle existing in each unit volume.

Sankhya theory had exposed an extraordinary fact about space. Space at rest was vibrating at the highest rate MLY and the process of detection lowered it to the Planck's constant level. It proved that space was energy itself at the highest pressure. Detecting light meant that work was being done like the anemometer. Einstein received his Nobel Prize for proving this very point that

work is done by quanta in the photoelectric effect. Conceptually it is similar to adding a load to a smoothly running electrical generator when it slows down immediately. The decay of the quantum or photon into the Moolaprakrithi is the cornerstone of Sankhya theory, contrary to the laws in Physics. Therefore the slightest twitch in space released vibratory movements that were  $10^{17}$  times the Planck's constant. Now we can understand that before we see a photon of light a preposterous amount energy in the form of undetectable vibrations could be in motion everywhere, which must react in many unpredictable ways.

It provides the apparently undetectable base for paranormal phenomena and the identifiable reason for the existence of the principle of equivalence, forming the cornerstone of general relativity. The search for the missing 'dark matter' in Physics and Cosmology is answered with precise numerical values from combinatorial mathematics used in Sankhya. Modes of operation for paranormal phenomena are 17 orders greater in abundance than the visually detectable light waves or photons. Putting it into the perspective of Physics, the estimated baryon to photon ratio was in the order  $10^9$ , but in reality it is  $10^{17}$ . Only 9 orders can be detected because the remaining 8 orders must be in a coherent state and therefore cannot be detected. Paranormal phenomena are more abundant than visually detectable light waves. To make the scientific community understand this point one would have to reconstruct Magdeburg's experiment but instead of metal one would have to use MLY hemispheres. But to reduce the pressure inside we would have to reduce the MLY rate to the quantum rate, but then the hemispheres would become visible. In that process we have only reconstructed a visible sphere or the Sun indeed! The facts facing Physics now is that the hidden dynamic domain is unimaginably greater than the visible one. Will Physics remove its blinkers and set its sails towards the unseen horizon? If so, when? The paranormal will then be in its ken.

The Sankhya concept of space, as shown above is simply the equivalent of the rest mass of Planck's quantum. Hence space between any two bodies that do not change their relative distance must have quanta in the resting mode as a string of MLY's in a virtually stationery state in intervening space. Recalling Magdeburg's experiment showed that lack of movement indicated nil pressure difference, which in the context of space meant that the state of activity was the same or equal between two different locations. If this equalised state is disturbed quantum flow must take place to regain the original state.



Planets remain at a fixed orbital distance around the Sun, except for a slow fractional deviation called eccentricity due to change in relative velocities in different directions. It means the quantum flow of MLY's between the two bodies would be virtually zero. If another body cuts across this line one can show mathematically, using Sankhya principles, that there can be a complex change in MLY flow from the zero level up to the Planck's constant level, without being detected. Without going into the nitty gritty of gravitational mathematics, one can infer there would be unspecified local disturbances in the MLY flow.

On 26<sup>th</sup> December 2004, the Earth cut precisely across the Sun and Saturn line of sight or connecting line. As proof one can see the JPL simulator pictures (enclosed) showing clearly the crossing of this line at a particular co-ordinate and time, which cannot be ignored. The orbital influence of the Earth / Moon combination takes approximately a 100 hours to be clear of this line. Hence the disturbing effect would have commenced 50 hours earlier. From the moment the crossing commences the normal MLY flow rate changes rising continuously till the peak position and then decreases to normalcy. The rate of change in flow is in fact an accelerative force and causes complex low frequency asynchronous vibration that can initiate punishing damage due to resonant build-up of forces.

Recalling as an example Annie Besant's, Uri Geller's and 'suicidal missions of animal's as proven events of paranormal behaviour, then the silent but violent upheaval in space must effect a statistically proportionate section of life forms. The tribals and animals picked up the stress waves from the crossing, days in advance. They picked up gravitational waves. Because when gravitational waves travel at the speed of light they are just plain light waves. While no scientist would deny that seeing light waves could cause reactions of some sort, yet there is a tremendous rebellion in accepting that the same waves at other velocities too could cause a reaction.. Both Planck's constant and the MLY are quantifiers of vibration, which are only reactions to interacting objects. Dimensionality and a penchant for rational definitions have obfuscated the principles of what essentially is an ordinary interaction between two objects.

Among all the planets, Saturn and Jupiter are the only two bodies that the earth can cut across along the ecliptic and also get affected significantly. Hence if an analysis of the Earth's crossings of these two planetary orbits is historically related to natural events like earthquakes, tsunamis and volcanic actions, one can develop a parametric model that could help predict the possibility of cataclysmic events.

Scientists may think that the rationale mentioned above leads to phenomena unknown to Physics. But that is an apparent distortion introduced by the change of scale in phenomena. It often hides the real relationship to known theories. Maxwell and Faraday, among others, painstakingly established the numerical foundation for electromagnetic phenomena as an interactive reaction to movements in the basic field of space. Explaining briefly, if a wire is moved in a magnetic field an electric current is produced and conversely, allowing a current to flow in the wire, makes it move reactively in the same field. An electric current flowing in a wire is nothing other than a quantum or MLY flowing at a particular rate through it. Sankhya theory defines a magnetic field as a quantum flow in a coherent or organised state. Hence when the Earth, the equivalent of a wire, cuts across the organised quantum flow between Saturn and Sun, forming the equivalent of magnetised field, it cannot but follow Maxwell's & Faraday's laws. Sankhya mathematics further exposes that in a coherent state the phase wave velocities may even be infinite. At that state the magnetic field has the highest strength possible.

The problem in present Physics has been the arbitrary compartmentalisation of scientific laws. On the laboratory table, the scale factor of the experimental objects coloured the conclusions, just as the size of planets and stars hid the fact that it was only the quantum flow that produced all the reactions in both the cases. Newton, Einstein and others made a pre-emptive decision to search for laws based on the concept of masses in motion in the case of astral bodies, while Maxwell, Faraday and others searched for field laws involving quantum flow. Dirac, Boltzman and host of others sought solutions in particulate states polarised into matter/wave duality but fortunately it culminated in Planck's discovery of a unifying quantum state.

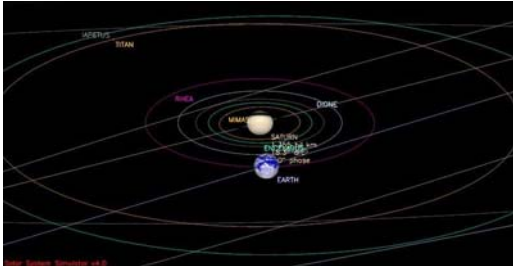
The isolation of complementary aspects in Physics was a serious error that hid the unified characteristics of all phenomena, taking place on a common base. Sankhya theory scores on this front for it resurrected the universe intellectually from an axiomatic base through a single ansatz, thereby enabling it to unify the entire manifestation process by quantifying all phenomena merely in terms of the elementary Moolaprakrithi or MLY. Sankhya logic underlines a fundamental fact, that nature follows cyclic time. It is proportionate to complementary parameters but clock time is not. Hence clock time cannot be used to describe nature but Physics uses it as a yardstick. Therefore Physics laws based on experimental verification cannot be extrapolated into unknown areas.

The earthquake in the Antarctic too could have a connection to the crossing initiated on the 23<sup>rd</sup> /24<sup>th</sup> December 2004. The critical stage of the crossing on 25<sup>th</sup> / 26<sup>th</sup> December early morning certainly left the Earth in shambles soon after in the Andamans / Indonesia regions. The event provides proof for Sankhya predictions that stresses can travel as a phase wave at up to the fourth power of light-velocity, a factor not derived in Physics. However, scientific logic accepts that phase waves need have no velocity limit and can travel at near-infinite speed under the right conditions. The punch line to this description is that the same scenario was enacted on 26<sup>th</sup> August 1883 over the same place for the same reason. It was a devastation named as the Krakatau explosion, second only to the recent Tsunami in terms of loss of life. One can verify the above coincidence of the planetary positions through a simulator or any astronomy program. Let me add, that is not astrology, if it would mollify our ardent rationalists. Adding salt to the wounds of a humanity already suffering in ignorance, the planet Jupiter too, not to be outdone by Saturn, provided a similar line up for the Earth to cross on 3<sup>rd</sup> March 2005, and deliver the coup de grace in the same region. At least the news media confirmed it through banner headlines around the same period. It matters not if science ignores it.

It is not my intention to upset the treasured views of the hardworking scientific academia. But if we could only observe our own period in the correct perspective, I am afraid it is not any different from the stormy one that existed during those of Tycho Brahe, Copernicus, Leonardo da Vinci and others. They were learning the hard way to reverse their views. Science today is doing the same too, on the properties of space, notwithstanding the discovery of nukes or launching a manned rocket to the moon. But the hard core facts are that we need not struggle, for Sankhya as a perfect theory exists today. In conclusion I can only quote a pop singers agonising refrain “When will you learn my friend, for the answer is blowing in the wind?”

Attached: Simulated views of line up on 26<sup>th</sup> December 2004.

1. A close up view Saturn and Earth in line as seen from the SUN



Scale view of Saturn and Earth in line as seen from the Sun



Scale view of Sun and Earth in line as seen from the Saturn.



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