



Nash Equilibrium's World of Modern Sciences *superspy* Domestic Religions

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ABSTRACT

The first step of human being makes him perpendicular to the ground below. The last step of human being makes him horizontally flattened on the ground. It means he gains balance and loses it. Thus, the balance of legs. There is also another most important thing called balance of mind from its initial awareness. The determinants of this balance are internal to the mind arising from within exclusively as well as external to the mind arising from outside inclusively. What is internal is like the Religion and what is external is like the Science from times immemorial identified by the author after thorough ransacking of the Scientific Websites without server-blockades and the Religious Websites plus News & Lessons digested by the author for the purpose of bringing out the work-contents of this Research Project (read the title now) to the light and likes of the day trust-sponsored in self-direction with self-finance-rights from personal saving Bank Account with a Government of India's Bank. Why because , there are causes of past-perfect , present-perfect and future-perfect awareness of Life , Religion and Science in life-time . This awareness is named Knowledge. As per Bertrand Russel's Set Theory, if Mind is a set, then its 4 elements are Life, Religion, Science and other knowledge, if any , in this ordered fashion.

This Research Paper is an exploration about the Union and Intersection of the four elements since the Mindset cannot have subsets in the first place due to its unique formation encompassing the 4 very much bonded-fundamentals just like the Set Theory in Nuclear Physics triumphed well-done as an Atomic Structure presented as the Electrons (1894 AD) , Protons (1897 AD), Nucleus (1911AD), Neutrons (1932 AD) and Higgs-boson (2012 AD) in their direction of existence from external to internal (\rightarrow : $E \rightarrow P \rightarrow Nu \rightarrow Ne \rightarrow Hb$) but not in the reverse (\leftarrow) since human Scientists too could prove the existence of structure in Atoms by scientific laboratory Research in the same direction like the 'first come first serve ' order but not in reverse .

Keywords: *Legs , Balance, Nucleus, Direction, 4 , Mind-Set, Author-I, $\rightarrow \leftarrow$.*

Our Constitutional Forefathers' Excited Introduction

Scholars in the long past have debated and struggled to understand the relationship of Modern Science and Religion. Western and Eastern world civilizations adequately studied the evolution of the relationship only to end up in

sharp shooting master blaster trouble-shooting pointers like the ones of religious traditions pregnant with the roots of modern scientific thinking , modern science being an eventuality to help reducing the radio volume of Religion in the natural World and lastly, scientific ways of human feelings *vis- a- vis* Religious ways of

human feelings going mathematically (straight lines or curves or waves) parallel suggesting their meeting points are only volcanoes simmering. Since the 17th Century, every stream of sociological societies debated these pointers in the respective merits and demerits in 360 degrees without any agreements and common understanding as to how the trouble-shooting pointers could be blunted. Reversing the direction of the pointers was neither attemptable nor seemed constructively beneficial. Relationship between Modern Sciences and Religion is a central and useful scholarship to put on record to eliminate conflicts possible in the conversation mode.

My Homage to Science of Living & Treacy Philosophy

All over the Globe, the old ideas and the new ways of thinking are in clash. Peace-brokers advocated that modern science and ancient religion are not any more clashing strangers as assumed to be by their loyalists / faith-mongers saying that in the world of today, particularly globalized world in matters of material comforts, all the different religions claim their respective application redeemed, trimmed and revitalized with understanding and seeking. Hence the name to the Religion given as the Science of Living in day-to-day existence to rebuild wisely values of life *ipso facto*.

The Science of Living too has a mother called Philosophy! Philosophy operates as a teacher explaining to us the world of obvious, perceived and experienced senses by which we live and the causes for the same. Hence Philosophy has been adorned as the Knowledge of a greater reality / power behind Religion!

It has been laid down that there is fundamental difference between the two Philosophies enjoyed in the Eastern and Western worlds or hemispheres. It is the so-called View of Life or the objectified Science for the Westerners while it is the View & Way of Life or the subjectified

Science for the Easterners. In other words, Westerners' Philosophy is an Idea of Life bereft of Ideals but for Easterners, it is Ideas and Ideals both that matter. Implicitly, it has been arguable that views / ideas could be scientific where as ways / ideals are like techniques. Hence set in the thinking beings at various levels of evolutions out of multiplying and developing Life which even today continues to accomplish itself in the process and generation of independent Knowledge called Modern Science with Scientific Techniques like, for example, Operations Research Solutions to the War Problems and Solutions of Operations Research to Industrial Problems.

Author's Knowledge Preamble

Graph Theory and Applied is not Nescience for it governs men and happenings, institutions and circumstances. The word Graph indicates the Graph Sheet as we knew it from school-days using a Pencil only drawing to show the relationship between numbers or quantities called numerical information in a shapely form that is simple and quickly understood visibly on / at sight. As the many-faceted matured adult students of post-graduate topological studies, the same Graph Sheets, like the grown-up students, turn out as wise practical networks of lines (edges of connectedness) and points (vertices of connectedness) while treated by us as visual display units or graphical display units or put as the graphics display when we appreciate that it is nothing but all about the connectedness or connection features being aware that Graph Theory is the basic development of connection aspects strongly pursued with the relationships between the elements of figures. The connection features are the graph equations advancing a sound philosophy of graph properties.

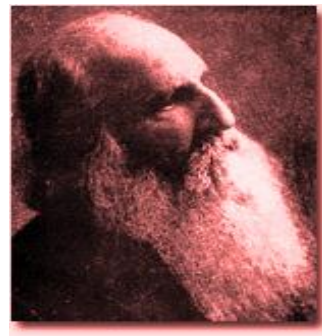
All that exists on the Earth where we grow and multiply ourselves into many selves (a man multiplies into many selves with the help of a female self & a woman multiplies into many

selves with the help of a male self; hence men, women and children of both sexes prevail in connectedness) making progress in our intelligent quotient, emotional quotient and spiritual quotient ensuring material prosperity through development and promotion of divergence –reduction to maximize our presence everywhere in the Universe inclusively are connected realities to one another through the other and that nothing is truly exclusively disconnected. This is the superconductivity of connectedness felt throughout the learning , application and expansion to modernize the properties of connectivity, say vertices giving rise to edge connectivity or vice versa in the possession of knowledge of Graphs, Graph Theory and Applied that has turned it into a Science from Nescience. Let's all be, as mere learners simply but not like those firm believers (who create blind faith) in the know of the ultimate truth that superconductivity also means super-consciousness which in turn is the particular one thing with the highest potentialities for perfection known as the super-manhood visualized as the greatest and noblest stage. Many English dictionaries, manual or online, when searched for the meaning of the word super-consciousness , redirect the researchers to *cosmic consciousness* which explains the connectedness or connection or connecting ability or connectivity . This is the same that was taken for granted in the 17th century non-mathematically and non-geometrically propounded as the Graph Theory & Applied in its very initial stages of beginning , introduction , emergence on large scale and the later higher developments .

A Word on Cosmic-consciousness

Cosmic consciousness is the idea that the Universe exists as an interconnected network of consciousness with each conscious being linked to every other. This is also conceived as forming a collective consciousness which spans the Cosmos. Moreover, it is additionally conceived as an

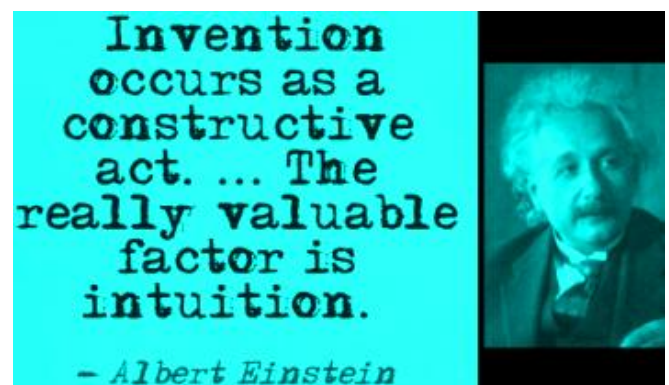
absolute from which all conscious beings emanate to evolve. Throughout the history, there have been many renditions of connectivity and therefore, universal unity and the spectrum of considered possibility of mankind. During the 19th century, a theory which claimed that cosmic consciousness lies in a state above and beyond self-consciousness or the natural state of man's consciousness has been developed by Richard M. Bucke . He said that there are three stages in the formation of consciousness as below.



>>Richard M. Bucke, cosmic consciousness experience (1837-1902)

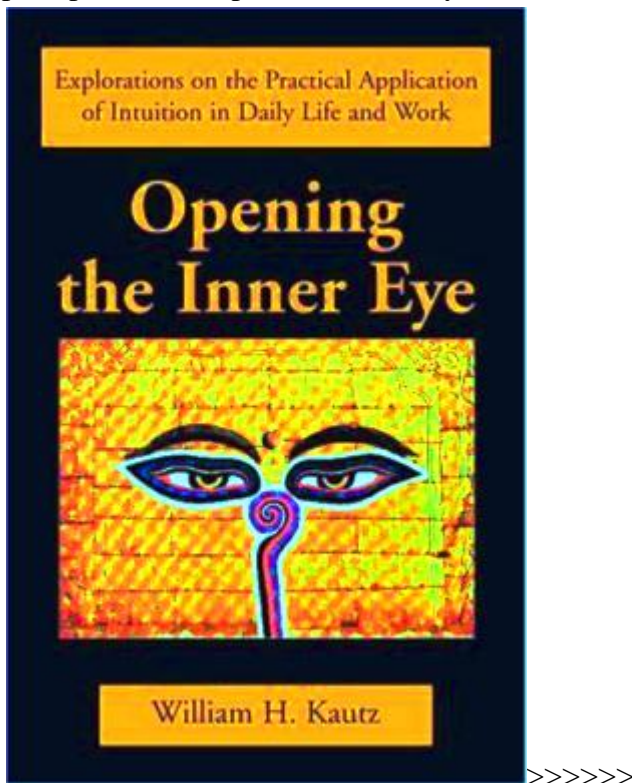
1. The simple consciousness of Animals.
2. The self-consciousness of the mass of humanity encompassing Reasoning ability, Imagination and questioning ability.
3. The cosmic-consciousness called as the next stage of human development or the super manhood.

Albert Einstein, the German-born American Physicist known for his energy-concept that energy can neither be created nor destroyed had used the concept of cosmic-consciousness as introduced by Bucke's work in 1901 referred to just above.



> Scientist who defended Globalism .

William H. Kautz suggests that all knowledge--past, present, and potential--already exists in



►Scientist

Superconsciousness or collective mind, ready to be accessed by the human mind. This includes all technical information and even biographical information for historical figures.

Super Cop Topography: Graph Theory & Applied

The application of the theory for solving physical problems began with a graph that described the physical situation. The structure of the Graph Theory rests on a number of defined terms, undefined terms and axioms called the inclusive foundation. The development of the system

consists in determining the theorems and introduction of defined terms culminating into Study of Graph Theory branching into new directions. Consequently, while so many Graph Theory systems are relatively new creations, the tradition that dictates how they are to be developed is centuries old. Since the mid-20th Century, graph theory has become a standard tool for analyzing and designing communication networks, power transmission systems, transportation networks and computer architectures. In its own right, pillared on the connectivity or connectedness as its locus standi, in recent years, just like the wild forest fires, it fanned out from Chemistry to Genetics, Operational Research to Linguistics, electrical engineering to Geography and last but not least important from Sociology to Science of Conscious, Absolute and Infinite to the Science of Living to the Science of Research-pure & applied, finally at the end which produced Scientists of Living and Scientists of Matter & Material Products.

Solution to gang crime based on Graph Theory and visualizing Criminal Networks to help Police solve crimes are achievements in humanization of free World. High-tech conspiracy crimes aroused increasing attention of people in the recent past years. Also called the conspiracy crime investigation and to identify the conspirators in a group of people, the Graph Theory & Applied, focuses on the problem from node-level and link-level extended criminal network analysis to prioritize persons in a network. Link among conspirators is quite closely while Conspirators communicate with one another directly without passing through intermediate nodes. A primary conspirator will conduct many activities related to the conspiracy inevitably without having to worry about at the final weaknesses of the conspiracy.

Hence, Graph Theory plays the role of super cop in organized crime worlds who perpetuate crime in the name of Religion as there are many different Religions worldwide influencing the

loves of their followers and Nations such as for example that Buddhism formed by Siddhartha Gautama who decided to pursue life outside of the royal scene as he discovered corruption and evil that he had never seen before .

Nash Equilibrium's World of Research Works

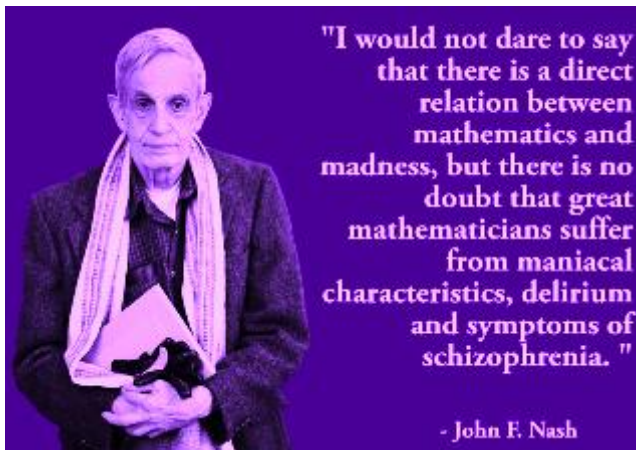
Equilibrium means a stable situation in which forces cancel one another. In the context of this Research Paper, the forces are not of the armed nuclear forces for super power positions or of the global trade for super profits as one likes to assume but those of the calls from the depths of depths within ourselves of the deep-most thoughtful macro-questioning leading and urging us to identify as to which is the Greater Reality Knowledge or Greater Power Knowledge or Greater Senses Knowledge or Greater Life beyond Universe or Greater Micro Cosmic Cell of Life-force with its help-mate and the better-half , the Spirit or Spiritual Energy . Modern Sciences have , let the Universities all over the Universe be reminded , concluded that Energy can be neither created nor destroyed which otherwise already put forward by the Religion as the fire cannot be heated and heat cannot be fired ! The Religion says that there cannot be any research effort for the “ matter envelopments ” as such ruling out laboratorial experimental activity since the phenomenal world is evidently experienced by all of us in our living ‘Life’ which is one without a second everywhere but it fell on deaf ears. The Modern Science rebutted the forces of Religious knowledge which ordained brute belief against new metrics for gauging Nature's diversity with metrical opinions showing its own progressions suppressing Religion *per se* calling it dead wood among the living dead ! Yet , Modern Science has not readied answers like the conclusive Religion to moot questionnaire comprising the five challenges frequently asked on the reasons of the Universe ejected out of a Super Atom , when the Universe will be sucked away by the Super Atom, why there is the central pilot Sun for Planets,

whether the group of Planets constituted a quality circle for human beings and if the Planets are a secret organization for human resources development . Thus , the modern (not to be read as modern) Science with its knowledge-troves stand labeled as deficient in conviction in so far as the need for clever argument with persuasive theory that could make a dent in the rightness of position of the Religion .

Equilibrium Points@ Modern Sciences & Religions

The concept of Nash Equilibrium is named after its inventor John Nash and is incorporated in multiple disciplines of social interactions ranging from behavioral Ecology to Social Welfare to Economics and even in recreational activities. Its central idea is actions of all human beings as a set of activities performed to obtain the most maximum reward resulting from thoroughly finishing each one's choice of activity individually only. Obviously, the end conclusion is not necessarily the most efficient but simply the one that will result from each individual pursuing his own choice optimally. It is a theory with more real-world insight into the non-cooperative knowledge of each other's choices and that they will not receive any benefit from changing their choice and therefore will not deviate from their choice . The Nash equilibrium exists if no body without terms and conditions such as the first among the equals change their choice despite knowing the actions of their opponents. In other words, the World continues to have one very strong argument for equilibrium points implying that if non-cooperative theory is to lead to an n-tuple of choices and if it is to have the property that knowledge of the theory does not lead one to make a choice different from that dictated by the theory, then the choices isolated by the theory must be equilibrium points in the World of variable types of Knowledge treasures and Research treasuries distinguishable as the so-called Modern Sciences and those which are not

but otherwise admissible Knowledge troves like the one of Science of Living , for instance.



>Collision Death in May,2015.

fig . Nash , Nobel prize Winner .

So, at its heart the Nash Equilibrium is a model of equilibrium points of human rationality and behavior as long as individuals understand that a conflict between individual interest and group interests experienced by individuals makes them defect from the group-ism . Thus, individual interest and group interests confrontation is what the laid foundation stone for the emergence of short and long duration justifications in the interest of differentiated and integrated ancient models of Knowledge distinct from the currently in force Modern Sciences .

The Standard Model is a hugely successful theory but has several gaps, the biggest of which is why some particles have mass but others do not.

Mooted by Higgs and several others, the boson is believed to exist in a treacherously invisible, ubiquitous field created by the Big Bang some 13.7 billion years ago. When some particles encounter the Higgs, they slow down and acquire mass, according to the theory. Others, such as particles of light, encounter no obstacle. Cern uses a giant underground laboratory where protons are smashed together at nearly the speed of light,

yielding sub-atomic debris that is then scrutinized for signs of the fleeting Higgs.

The Higgs has been dubbed the "God particle" because it is powerful and everywhere, yet so hard to find.

Over the years, tens of thousands of physicists and

Underground Hardship's God-particle (Science)

Jokingly referred Domestic God-particle is scientific Truth which has been traced in the Science of Private Universe. The God particle as a nickname arose out of the witty intellect of Particle-Physicists' puzzled brains for a long time to find out an evading piece of scientific fact that proved what is responsible for giving matter the property of mass . Its real name is Higgs boson

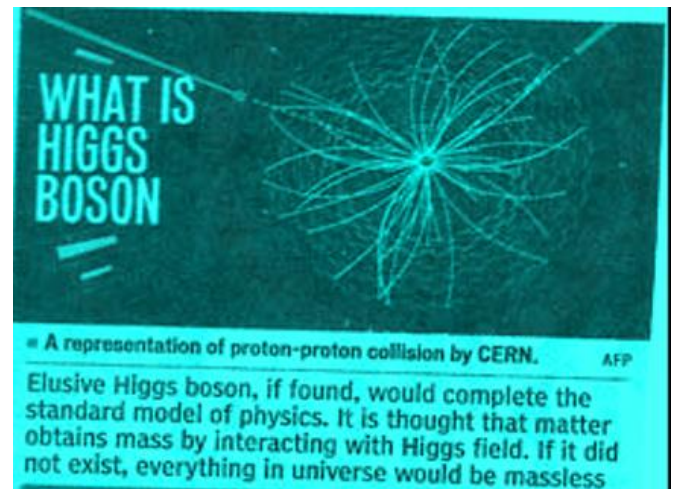
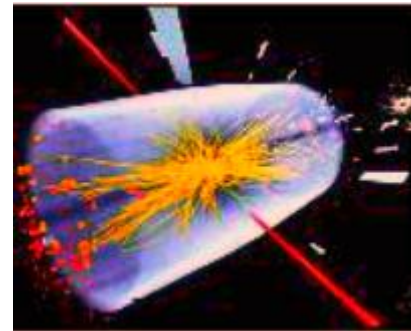


Fig. Graphical representation of Higgs boson nicknamed god-particle .

billions of dollars have been thrown into the search, gradually narrowing down the mass range where it might exist. Two Cern laboratories, working independently of each other to avoid bias, found the new particle in the mass region of around 125-126 Giga-electronvolts (GeV), according to data they presented on Wednesday.

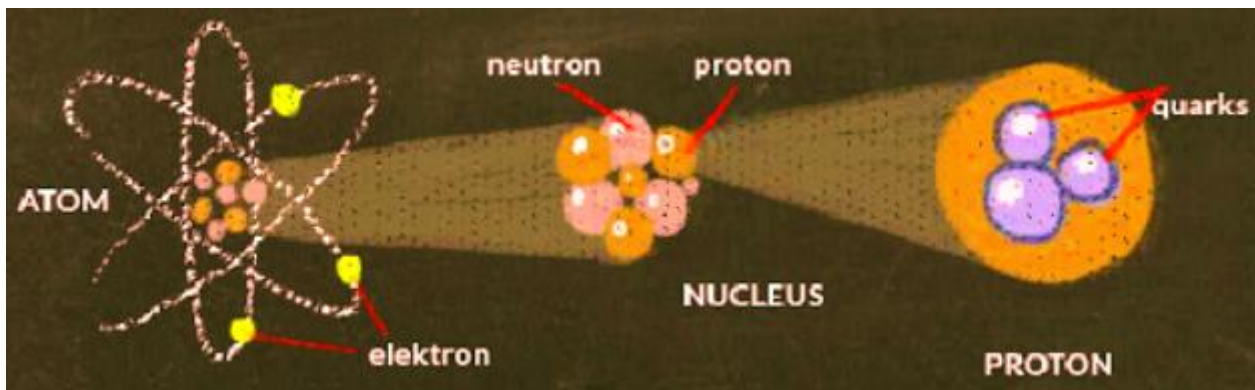
Both said the results were "five sigma," meaning there was just a 0.00006% chance that what the two laboratories found is a mathematical quirk. At a particle-physics conference in Melbourne, a participant said there was a "jaw-dropping" moment when scientists reacted to the announcement. AGENCIES

which is a subatomic particle in Modern Science which would produce the effect of mass . At the same, there are no religious intentions behind the nickname. The man who first proposed the Higgs boson's existence, Peter Higgs, in spite of the nickname God- particle is an avowed atheist. All the same, the nickname originally coined by the author , Leon Lederman , for his book *The God Particle: If the Universe Is the Answer, What Is the Question?* Mind the readers, this author is an American experimental Physicist and the Nobel Prize Winner from the Royal Swedish Academy . The crux of the matter is an editorially disputed conversion of an author's originally applied vocabulary such as Goddamn Particle has been literally colored and settled to offer as the God-particle in the educated World of scientific and technological progressions with the forecast that the unedited term might offend populations elsewhere who are religious to unendure connectivity onto religious questions as the main focus.



>protons smashed debris

Fig. Peter Higgs, the detective of Higgs boson of the time of the Big Bang or the mass -giver

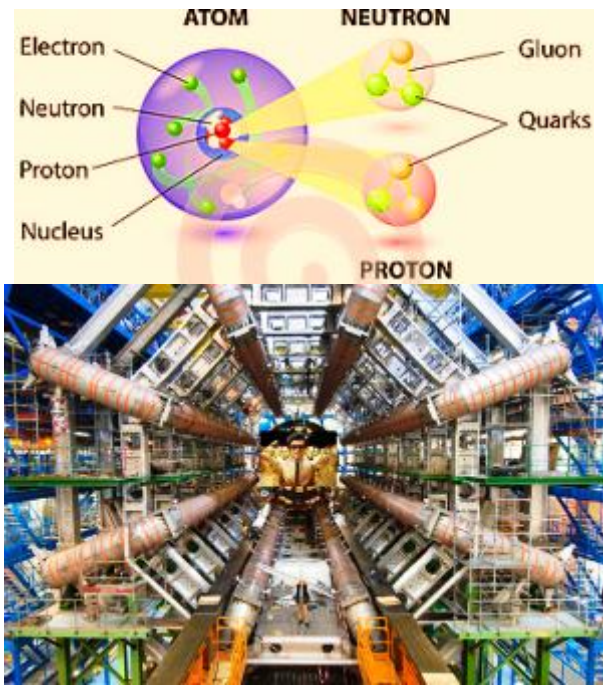


Geneva: After a quest spanning nearly half a century, physicists on Wednesday said they had found a subatomic particle that may be the elusive Higgs boson, popularly known as the "God particle", which is believed to confer mass on matter.

Reusing cheers and a standing ovation erupted at the European Organisation for Nuclear Research (CERN) after scientists presented astonishing new data in their search for the mysterious particle. Many hailed it as a moment in history.

Model of physics. Other particles predicted by this theory have already been detected. With the missing Higgs boson now believed to be discovered, scientists can look at other riddles of the cosmos—like the mysterious dark matter and energy, antimatter, supersymmetry, etc—with more surety.

Why is the finding important? The discovery would confirm the Standard



Figs. Atomic composition and the technology of the ATLAS and CMS experiments at CERN's Large Hadron Collider built underground at the 300 ft depth .

Any scientific discovery discloses God's (domestic religion) amazing creation and becomes impressive to un-forget the unique one step ahead in human knowledge. Maybe, two steps in right direction to appreciate ourselves God's awe-inspiring Universe, visible and invisible micro-portions . In other words , Nature's Graphs are a display in the underlying mystifications to which the mind when got exposed explores connectivity features between itself and the Nature as a twosome game theory indulged underlined by the Nash Equilibrium .

Modern Science *conjoined to Domestic Vision* (Religious!)

Let us be just aware that God-particle (Modern Science) has already been conjoined to God Principle (Domestic Vision) according to the laid down guidelines offered in the long, longer and longest past by the practitioners seeking the then KNOWLEDGE of TRUTH , i.e., the not-easy-to-understand fundamentals of the sky and beyond arose as a Universe of Heaven & Hell in its regulation with an apparent mechanical potential

of Days & Nights operating as a sturdy key from within Human Bodies *en masse* while outside a human body the senses of understanding and perceptibility of those initiatives in unknown origins got blocked by the visible expanse of impressive material and non-material infrastructure (hills, sky, clouds, stars, the Sun, the Moon, Winds, Oceans of Water, Rains of Water, tree life, animal life, insects, demon-looking men, women, children & sands of deserts) called the superimposing Nature in its decipherable qualities of Heat & Cold (the Sun & Moon), Light (Sunlight of Days & Moonlight of nights) and Sound (Air currents blowing & thunderstorms with Lightenings) composed in unusual hefty dimensions and measurements out of the physical-reach of human beings and mind-monitorable comprehension .Those practitioners' preachings are preserved till today and referred to translated in various *lingua franca* while the *modus operandi* was to know from within a body-self unlike the present day external or outside the body-self experimental modern Science with the help of the equipments called Laboratories & measuring instruments .



Every human being grows in the states of childhood, youth and old age involving modifications of size of body, quality of mind and amount of intellect. The two, i.e., mind and intellect are bound within their relativity to keep on themselves busy with domestic circumstantial and situational forces of conscious life-quality causing stationary and dynamic moving motions making both of the inseparable mind & intellect stay away from the private Universe. The private

Universe is also known and acclaimed as private God-Vision in the times of longest traces of cycles time. Yet , an indication of God-vision is that within the body a strong nerve-current rushes up with great force to the head when one tends to close eye-lids on vibrating forehead with the beginning of opening of the cosmic structural scenario embedded vision of inner sight within the uppermost base of the head , firstly in violet colour followed by dark colour of green over which followed the golden yellowishness shining spreading all over . During the visionary experiences , the individual body or self-spirit – i.e., the essence in mind and intellect begins to digest the God Principle as a god-particle around in the World outside as things created , things destroyed and in -between , things and beings getting maintained realizing that alone the self is an unity devoid of the earthly contextual awareness standing out as a mere instant-reducing of size- particlesome-effect for some time only with a gradual disappearance thereafter taken over by earth-bound mind and intellect unyielding to the body or self –spirit. Hence called the God-particle. This particle isn't mean to supplant God or to substitute for God. But , it underlies every physical object that exists and it is what gives every physical particle and every physical object the mass that it possesses and obviously , represents the formless God principle .So it's like God in the sense that it underlies the physical existence of every object in the universe. One can contemplate upon this with due reverence, seeing it as the one who is All – Pure, All -Perfect, All – Bliss and a mirror of one's soul-self or the spirit . Further, one should derive inspiration from this to remind oneself to intensify know-from-within –yourself practice and realize the truth of the Universe from within independently with all the privacy within one-self without any leakage – problems to the outside of mind and intellect internally situated and which lies within .

Conclusion

It is a fact that Science & Religion, in the 21st Century have been transformed as means of livelihood in the strictest professional sense. But , it appears that each has its own *modus operandi* to lead the mankind to the ultimate of pleasures and pains through the life-stages of the physical strength packed natural container sack of human body as soft and hard as a mere Vegetable. Nash Equilibrium's World of Modern Sciences *superspy* Domestic Religions should be, as has been researched and interpreted under above para-graphical side-headings , indicating two indispensable life-lines carrying flow of the adrenalin which is human body function facing life's circumstantial evidences of the stresses of anger and fear or emotion and accolade and acting to increase heart rate , blood pressure , cardiac output and carbohydrate metabolism .With the proving of existence of Higgs-boson , it has been out of doubts in the minds of those firm Religionists blindly hating Science that still there is scope for them to look at the physical form of their faith-object , i.e God / Godhead owing to the unabated research efforts of Scientists .

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Biographical sketch-

The Author passed his Pre-Ph.D Course with Examination in the field of Graph Theory at the Andhra University, Andhra Pradesh State, in the year of 1981 at the Department of Applied Mathematics. Due to financial difficulties on the domestic front and the non-availability of an independent single room for Research Work & Study at the University Research Scholars Hostel for 3 years at the Andhra University, Waltair, in 1981 pending new rooms construction, the author joined the Dena Bank for pay-scale career as an Officer of Banking Statistics in Junior Management in the same year at Bombay (now Mumbai), Maharashtra State , Western India, which being a Nationalized Bank & Government of India Enterprise in the Banking Sector relinquishing the research -career-prospects in teaching line jobs having been awarded the C.S.I.R (Council of Scientific and Industrial Research) Junior Research Fellowship , NEW DELHI, INDIA, in 1981 under the Chairpersonship of late Mrs. Indira Gandhi, ex-Prime Minister of India . The interest in Graph Theory & Applied Research prevails. To his credit, the Author has so far published 8 Research Papers in International Journals of Science & Technology besides GRAPH THEORY RESEARCH STUDIES & THE 46TH ANNUAL CONFERENCE @ THE INDIAN

MATHEMATICAL SOCIETY CERTIFICATE. RESEARCH CONTRIBUTIONS: REGULAR GRAPHS/MATCHINGS IN GRAPHS, INDEPENDENT SETS IN GRAPHS, RESEARCH SEMINARS & FINAL SEMESTER LECTURES ON GRAPH THEORY: CLASS WORK, SEMESTER EXAMINATION & VALUATION & INVIGILATION