

IN SCIENTIFIC TERMINOLOGY, SOURCE OF GRAVITATIONAL WAVE IS GOD

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Modern Science developed in the Western World. Religion made serious attempt to strangle science in early phases. For centuries, antagonism remained between science and religion. The conditions now have changed. Organized religions are slowly giving way to personal beliefs. Vivekananda, Yogananda and other Indian saints and sages were heard in the West not because democracy allowed public address, but because their ideas were based on acute and convincing logic of Vedanta.

They preached love, compassion and held the promise of direct communion with God. Yoga and meditation have made their presence felt. The rational mind of West does not now view Eastern religions as some sort of sermons or book reading but as the internal spark of spirituality. The recent findings of the West on para-psychology, particularly on reincarnation and extensive research work and discoveries in space science were welcome reaffirmation of their faith. "God Willing" the present will be the century of spirituality. Science and religion will fuse into each other.

Osho also writes, "The time has come when the inner and outer sciences can live in harmony. Everything can happen at a particular time. Religion reached its ultimate peak in the Buddhas, now science is also coming to an ultimate peak. And only when two things have grown - is a meeting possible. A seed can not meet a tree; the seed will have to become a tree. Religion has been in a mature state for almost five thousand years. Science is still growing, coming to maturity. I say this time is one of the most precious times. You are fortunate to be alive today, because something immensely great is going to happen and this is the meeting of science and religion. The meeting of West and East."

His Holiness Sahabji Maharaj, the Fifth Revered Leader of Radha Soami Faith also expressed His views on this matter seven decades back in one of His most significant speech delivered at the Convocation of Agra University, Agra on 23 November, 1935. He said, "I am sorry I feel constrained to say that, in discarding this important branch of knowledge (religion) from our curriculum, we forfeit our claim to the use of the word University for ourselves. You may depend on it that Truth which we all so much love, can never be comprehended with the physical instruments of science, nor can Ultimate Reality which we so much adore, be realized with the mental effort of philosophy. Providence has located within the human body a special spiritual faculty, and it is the exclusive function of religion to teach man all about that faculty. When that faculty is developed in us like physical and mental faculties, we shall be able to perceive Truth and realize Ultimate Reality in the same manner as we now perceive and realize the sun with our physical eyes. And when this takes place, you will be both astonished and amused to find that Truth - the goal of Science, Ultimate Reality - the goal of philosophy, and God - the goal of Religion, are but three names of the same Supreme Essence."

Romila Thapar, a renowned historian, also writes that during A.D. 300-700 the practice of yoga and meditation was a way of life of Indians. She states, "Yoga (Application) which was based on the control of the body and the senses led to knowledge of the Ultimate reality". In fact, our body is a laboratory and various yogic techniques (including meditation) are the experimental techniques, when practiced under qualified meditation/yoga instruction leads to self-realization, God-realization or realization of Truth and Ultimate Reality.

The integrated branch of knowledge of study of human anatomy, human physiology, human psychology, cosmology and various types of yoga techniques (including meditation) can

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be termed as " Final Science". This Knowledge of the Cosmos or Supreme Creator is eternal, subtle, all pervading and comprehensive. It's the experience in extraordinary moments of prime existence - seen, heard by sages, seers, saints or revealed to incarnations and prophets.

Religion and Science both are working in their 'own way' to enlighten mankind since time immemorial. Science tells us about phenomenal universe whereas religion, about our relationship with it. Comparison between the two will give us clearer picture. Let us start with Islamic philosophy. The Qur'an revealed that heaven and earth were joined together and were later parted, creation being consequential to fataq or fission and retaq or fusion and that 'He comprehended in his design the heavens when it was smoke', indicating that heavens in the beginning were just 'Smokey mass' before being transformed into various glacial systems and planets.

These revelations find echo in early Egyptian texts, "When heaven had not come into existence, when men had not yet come into existence, when gods had not yet been born, when Death had not yet come into existence...". Mesopotamian records say: 'When sky above had not yet been mentioned, and the name of the firm ground had not been thought of, when Primeval Apsu, the begetter, together with Mummu and Tiamat gave birth to them, they were all mingling their waters in one; when no fog had formed nor any island found, when no God whatsoever had appeared nor had one been named by name and determined his lot, then were the gods formed within them'.

The Vedas say: "Then, there was neither non-existence nor existence...without breathing, alone with self-impulse was that OneIncomprehension was covered by incomprehension. All was then incomprehensible and formless". The Pancharatra philosophy proposes that 'That One' whose primal turbulence or spandana flashes with luminosity and reverberates with thunder reminiscent of the Big Bang theory, creates an indeterminate amorphous state, where everything exists concentrated, with limited independence, appearing as dark spot, or the black hole, showing the faint stage of the creation in becoming.

The Upanishads say that when 'That One' found Himself alone without any delight, He split Himself to fall in two parts, the male and the female - Purusha and Shakti - which found manifested in different forms, one of them being Heaven and Earth. New creation is not a one time process but a repetitive effulgence, new creations being modelled on earlier creations.

Lord Krishna says in Bhagwadgita,

"Earth, water, fire, air, ether, mind, reason, and also ego; these constitute My nature eightfold divided. This indeed is My lower (material) nature; other than this, by which the whole universe is sustained, know it to be My higher (or spiritual) nature in the form of Jiva (the life-principle).all beings have evolved from this twofold Prakrti, and that I am the source of the entire creation, and into Me again it disappears". -7.4-6

"....during the final dissolution all beings enter My Prakrti (the prime cause) , and at the beginning of creation, I send them forth again". - 9.7

Sir Sahabji Maharaj has said, 'all those religions, which believe that the present creation is not eternal but had a beginning, declare that a Sabda (sound) manifested itself at the beginning of the creation. For instance, Mohammedans hold that God uttered 'Kun' (i.e. "Come into being") and the creation came into being. It is stated in the Bible - "In the beginning was the Word, and the Word was with God and the Word was God". It is also written at various places in the Upanishads that at the beginning of the creation, Brahma expressed 'ikshana' (the wish) that he might become such or that He might create and also that there was commotion in Brahma. These statements show that religious books reveal that at the beginning of creation there occurred a commotion in the Centre of spirituality and that it was immediately followed by the manifestation of Sabda in some form as 'ikshana', thought, wish, command or in some other kindred form (Ikshana etc. are all forms of sound)'.

According to the teachings of Radha Soami Faith in the beginning there was neither the creator nor the creation. He was intensely and consciously absorbed and concentrated within Himself in the highest degree of Love and Bliss. The Supreme Being was in '*Un Mun*' form which means absorbed in Himself in His rapturous bliss. Only He Himself, and none else was there. There issued forth a great current of Spirituality, which is called His *Mauj* (Will of Lord). This *Mauj* brought into being three regions, viz., *Agam Lok*, *Alakh Lok* and *Sat Lok*, of eternal bliss. This is the first phase of creation which is known as *Nirmal Chetan Desh* or First Grand Division of the Creation. In the beginning this was the only creation for quite some time. Then a Current emerged with a powerful sound (Big Bang). Which brought forth all the creations below it i.e. galaxies (island universes or *Brahmand*), planets etc. This is known as Second and Third Grand Division of the Creation. The First Grand Division is the Region of Pure Spirituality or Pure Consciousness, the Second Grand Division is the Region of Pure Spirituality and Subtle *Maya* and the Third Grand Division is the Region of Pure Spirituality and Coarse *Maya*. 'Radha' is the Name of the Prime Spirit and 'Soami' is the Name of True Supreme Being or Ultimate Source of Creation. 'Sabda' is the first manifestation or expression of the Supreme Being. The Current of Spirituality is the Creator and Sustainer of the whole creation and when this Current withdraws the whole creation also withdraws. But the Current of Spirituality is the weakest force in the Third Grand Division of the Universe. In this region forces of mind and matter (electromagnetic force and material force) dominate.

These description about God, Universe and various forces which are found in scriptures can be verified through scientific investigations. Science can help gain insights into religion. Space scientist K.Kasturirangan (2006) has said, "we now live in an age where talking of science and religion is fashionable among the learned and the scholarly. I think this is also because we are now in a position to use our knowledge of science to gain deeper insights into matters of religion".

R.M. Krishnan (2000) writes: "Universe is God. To the question 'Who is God?' he says 'God is supernatural, immortal, having special powers over the lives and affairs of the human race and the course of nature', and 'What is His shape and structure?', the answer is 'His shape and structure is the totality of all the things that exist, considered as a harmonious and orderly system; and to answer, 'where can I see Him?' the answer is, 'As you cannot see the vast Universe which is synonymous with Him, you cannot see God although you have been living immersed in Him!'

"The Universe is limitless, endless, and dimensionless from within which emanate billions and billions of galaxies, planets, meteors, black holes and everything else including elements and emotions".

Abbe Georges Lemaitre, a Belgian astronomer-priest argued that billions of years ago, cosmic matter (universe) was in an extremely compressed state and the universe was born by a *primordial explosion* (big-bang). Dr.Sandage also thinks that some 12 billion years ago a great explosion occurred in the universe and that the universe has been expanding ever since. It is likely to go on expanding for 29 billion years more, when gravitation will halt further expansion. From then on, all matter will begin to contract or collapse upon itself in a process known as '*implosion*'. This will go on for 41 billion years compressing matter into an extremely super-dense state and then it will explode once again. This is the latest theory of the evolution of the universe. [Manorama Year Book 1993]

Although we are aware of vastness of the Universe we do not know how big the Universe is. In the Universe there are billions and billions of stars. A star is an incandescent heavenly body in space. The stars are not uniformly distributed in space but occur in huge clusters or bunches. Such an enormous cluster of billions of stars held together by gravitation is called a galaxy. Force of gravity is the cause of birth and death of a star. Gravitational forces also sustain the entire planetary and galactic system.

How the stars and planet evolve? The starting material for the formation of a star is mainly hydrogen gas and helium gas. If the hydrogen cloud contains a very large number of atoms, the force of gravity extends over long distances, each atom feels the gravitational pull of all other atoms in the hydrogen cloud. The gas cloud becomes a permanent entity, held together by the mutual attraction of all the atoms present in it. The cloud then begins to contract under its own gravity setting off the process which will convert this huge condensed gas cloud into a star.

In a star two types of forces are acting simultaneously. These forces are: the force of gravity and the internal pressure developed in the star due to tremendous amount of energy released during the nuclear fusion reactions taking place inside it. These two forces act in the opposite directions. In fact internal pressure is the result of force of gravity. Newton's Third Law of Motion fits here. The gravitational force tends to compress the star further whereas the internal pressure tends to stop the gaseous matter from collapsing further. This balance can continue for millions of years.

Due to the Big Bang, galaxies recede away from each other and the universe is ever expanding. But gravity is still in control and, after a critical time, every thing will fall back as gravity draws the universe back to naught. This is the cycle of creation, just like the cycle of birth and death. In the same way, the super-consciousness will draw back all forms and levels of consciousness into itself (Pandey, 2006).

These descriptions suggest that force of gravity is the cause of birth and death of the universe. It also sustains it. These three attributes are the same as of God. Scriptures also state that the entire creation is maintained and sustained by the Current of Consciousness. When this Current withdraws the process of death starts. Gravitational Force is a very weak force known to us in the Coarse Material Region like our Solar System. But it is very strong in Subtle Material Region and becomes strongest in Pure Spiritual Region. The force of gravity at the surface of a black hole is billions of times stronger than the force of gravity at the surface of the Sun. Similarly the Force of Spirituality or Consciousness is very weak in this region but when it ascends to higher regions through the practice of Meditation and Yoga it gets stronger and stronger and ultimately merged with its Source.

It can be concluded from these descriptions that gravitational radiation and current of spirituality or consciousness are the two names of the same essence. The Source from where these radiation have emanated is termed as GOD. The Fifth Revered Leader of the Radha Soami Faith Sir Sahabji Maharaj has said: "The Fountain-head or Reservoir of the Essence, of which your own Spirit is one unit, is known as God. You are a drop of Spirituality and God is the Ocean of Spirituality. You are a ray of Spirituality and God is the Sun of Spirituality. Every little things that exists has its whole or reservoir in the creation. Your True Essence also has its Whole or Reservoir, and that is GOD". Thus it can be assumed that the Source of Gravitational Radiation is the Creator of the Universe.

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