



# Researches Relevant to Theosophy

4th Quarter, 2019

Vol. II N° 4

A quarterly publication devoted to the collection of researches in the sciences and humanities that are relevant to theosophical studies.

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**Morphogenic Field** - *A Scientific Reality*

**Entanglement** - *We Are All Connected*

**Panpsychism** - *Explaining the Consciousness*

**Traces of Life on Saturn's Moon**

**Bio-Signature on Mars**

**M-Theory** - *The Nature of Reality*

**Galaxies Movement Synchronization**

*And More . . .*



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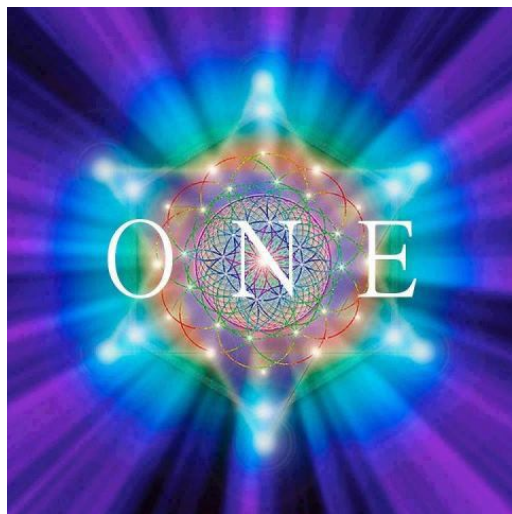
## Editorial

Welcome to the fourth issue of 2019 *Researches Relevant to Theosophy*.

This quarter brings articles and research papers on various academic disciplines which offer opportunities to reflect on the Ancient Wisdom. There are more and more researches focusing on "out-of-mainstream" scientific domains.

In this issue, you will discover scientific experiments on subjects like morphogenic field, entanglement, panpsychism,... and some new findings about traces or hints at bio-compounds or bio-molecules discovered on some of our solar system planets and moons. NDE's (Near-Death Experiments) and Meditation are explored scientifically with results opening new areas for our modern societies to consider.

Survey , gathering and analysis of research information is the main purpose of this publication. We appreciate your feedback. You may email us at [editor@theoscience.org](mailto:editor@theoscience.org) or comment on the website of *Researches Relevant to Theosophy* ([theoscience.org](http://theoscience.org)).



## Researches Relevant to Theosophy

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Contributions to this publication are welcome. Email to the editors the title, date, source and summary of the research report, together with the full citation of the source or sources, whether website, book or article.

## Parapsychology

Date : Sept., 2019

Source : *Resonance  
Science Foundation*

## The Morphogenic Field : A Scientific Reality

The way Nature is producing symmetry and order in our world is still a mystery. According to current Science paradigm (entropy), behavior should be completely random. Some 30 years ago, the concept of Morphogenic Fields was introduced and swiftly dismissed by scientific community. A new study identifies a similar concept called Holomorphic Info-Entropy. This concept links information with entropy, and the study reveals that prevalent geometric configurations which can be observed in our world are the results of this theory : the double-helix and the double logarithmic spirals . On the small scale, the DNA double-helix, and on larger scale, the shape of spiral galaxies are examples of the application of this new model. This theory also reveals that the postulation of dark matter is but a result of this entropy force, and therefore dark matter is a superfluous concept and will not be detected in space.

Read more :



## Physics

Date : Sept., 2019

Source : *ScienceDaily*

## Entanglement Means We Are All Connected

Quantum entanglement, one of the astonishing outcomes of quantum theory, predicts that all matter in our universe is interconnected via an energetic field of unknown qualities which does not obey current physical laws, allowing information to be transmitted between two particles at faster-than-light speed. Experiments have demonstrated that two entangled particles - particles which have interacted together

can react immediately at a distance - whatever the distance - to any stimulus on one of the particles. During the Big Bang event - the creation of physical matter in our Universe - all particles emanate from a single source. Therefore, all existing particles today are entangled for ever. This is what is called ONENESS.

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## Epistemology

Date : Nov., 2019

Source : *Institute of Arts*

# Panpsychism : An Explanation of Consciousness

A recent debate on panpsychism (mind-everywhere) addresses how physical science is trying to describe Reality . . . and fails to do so, where introducing consciousness gives a holistic view of it. Panpsychism is presented as a middle path between materialism and dualism. Rupert Sheldrake discusses possibilities to explain consciousness using panpsychism, highlighting the limitations of this theory.

Madame Blavatsky (draft article from the Adyar Archives, published in *The Theosophist*, Vol. XLVI, No 11, August, 1925, pp. 632-634) explained that " *The special organ of consciousness is of course the brain, and is located in the aura of the pineal gland in the living man. During the process of mind or thought manifesting to consciousness, constant vibrations of light take place . . . What consciousness is can be defined psychologically. We can analyze and classify its works and effects - we cannot define it, unless we postulate and Ego distinct from the body.*"

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Space Science, Biology

Date : Oct., 2019

Source : NASA

## Organic Compounds Discovered on one of Saturn's Moon

Analysis of ejected material from Enceladus, one of Saturn's Moon, has identified nitrogen and oxygen-bearing compounds. These components are identical with the ones which produces amino-acids, through chemical reactions. Amino-acids are considered as building blocks of life on Earth.

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Space Sciences,  
Biology, Archeology

Date : Nov, 2019

Source : *ScienceDirect*

## Evidence for Possible Bio- Signature on Mars

Fossil hunters have been digging up remains of extinct species on Earth for centuries. Now the work is about to begin on Mars. Using hyper-spectral imaging spectroscopy from the surface of a Mars crater (Jezero crater) where a paleolake has been identified, a team of scientists reached the conclusion that the carbonate signal they detected may indicate the presence of microscopic bio-signatures like the ones from stromatolites (fossils of cyanobacteria, single cell microbe). This finding may confirm the possibility for some primitive life activity on Mars four billion years ago. The next space mission to Mars (Mars Rover 2020) will land in this crater to confirm (or not) this detection in February 2021.

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## Physics, Space Sciences

Date : 2017

Source : *Journal of  
Consciousness  
Exploration & Research*

## Panpsychism : A Conscious Universe ?

Universal Consciousness became a subject for scientific researches. In 2011, David Chalmer introduced the concept of panexperientialism, derived from panpsychism. Panpsychism is the doctrine where everything in the universe has a mind. For example, fundamental physical types like a quark or a photon are endowed with consciousness in this theory. From this concept, Prof. Gregory Matloff, a physicist specialized in interstellar travel, is proposing to put this theory to test in order to verify - or not - the existence of a universal consciousness. His approach is based on the existence of a Universal Proto-Consciousness field which, through the pressure of the vacuum fluctuations ( Casimir effect ), gives birth to atomic matter. Current astronomical observations reveal that some young stars are abnormally altering their galactic trajectory (Parenago's Discontinuity). The author of the paper is suggesting that this is the result of a deliberated action from a minded star. Satellite's observations (Gaia) are in progress to verify the volitional star hypothesis.

Read more :

Space Sciences,  
Physics,

Date : Sept., 2017

Sources : *Quanta  
Magazine*

## M-Theory : The Nature of Reality Seen by a Physicist

Here is an interview of Edward Witten, the physicist who proposed, back in 1995, the M-Theory as a Theory of Everything (TOE), a mathematical model describing the physical universe as a combination of strings and gravity in seven-dimensional space. As of today, string and super-string theories, including the M-theory, have not had any experimental confirmation.

It is a theory which cannot be falsified (proved wrong), and some physicists are starting exploring other theories and models who could also describe the physical world. At the end of the interview, to the question : "Do you have any ideas about the meaning of existence ?", Edward Witten answered : "No." . . .

Read more :



Space Sciences, Physics

Date : Nov., 2019

Sources : *Science Alert*

## Galaxies Movements Synchronisation : An Intelligent Cosmos ?

Recent astronomical observations (since 2014) are showing "strange" synchronized galaxies movements and "abnormal" alignments of supermassive black holes at the core of quasars. This discovery indicates that large-scale structures in the universe are influencing the dynamics of galaxies and supermassive black holes, even when they are separated by billion light years. It looks as if they are connected by a vast unseen force. There is currently no scientific explanation and this observed behavior may jeopardize the current basic assumption about the physical universe model (the cosmological principle). More observations are required before drawing any conclusion.

Read more :





Health & Medicine,  
Parapsychology

Date : Dec., 2019

Sources : *Science Focus*,  
*Oxford Academic*

## Near-Death Experiences (NDE's) Under Experimentation

Near-Death experiences may have been depicted in the 16th century (Ascent of the Blessed, painted by Hieronimus Bosch). The today scientific community is trying to identify explanations for this phenomenon, using comparisons with drug-induced trances. The materialistic paradigm which underlines most of the researches lead to a purely physical account for it. To date, no theory has been able to fully account for the whole NDE phenomenon. A recent scientific study (March 2019), reported by the Association for the Scientific Study of Consciousness, gives a good mapping of the contents of such experiences.

Read more :



Health & Medicine,  
Parapsychology

Date : Oct., 2019

Sources : *IONS*

## The Science of Meditation

Meditation researches have been focusing so far on neural or physiological correlates of meditative states. A task Force was launched at [IONS](#) (Institute of Noetic Sciences) to explore further the field of meditation researches. Meditation has been identified as one of the key practices for cultivating positive transformations in consciousness. The findings and recommendations of the study were published and are available [here](#), together with an [online training course](#) on meditation.

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