



4st Quarter, 2020

Researches Relevant to Theosophy

Vol. III N° 4

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

* Anthropology

* Archeology

* Biology

* Chemistry

* Earth Sciences

* Education

* Health & Medicine

* History

* Philosophy

* Physics

* Psychology

* Religion

* Social Sciences

* Space Sciences

* Technology

This issue :

Practical Philosophy of Education

Anaximene : The Principle of the World

Magnetism - A Cosmic Web

The Amritasiddhi - A Hathayoga Source Text

Sevenfoldness in Mathematics

An Unknown Form of Neural Transmission

The Genesis of our Moon

And More . . .



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Contents:

| | |
|--|----|
| <i>Editorial</i> | 3 |
| <i>Practical Philosophy of Education</i> | 4 |
| <i>Anaximene : The Principle of the World</i> | 4 |
| <i>Lithopanspermia : Interplanetary Transmission of Life</i> | 5 |
| <i>The Amritasiddhi - A Hathayoga Source Text</i> | 5 |
| <i>Sevenfoldness in Mathematics</i> | 6 |
| <i>An Unknown Form of Neural Communication</i> | 7 |
| <i>Magnetism - A Cosmic Web</i> | 7 |
| <i>The Genesis of our Moon</i> | 8 |
| <i>The Big Bang Theory - An Origin or Not ?</i> | 9 |
| <i>Recommended Books</i> | 10 |
| <i>Researches Relevant to Theosophy</i> | 2 |

Editorial

Welcome to the fourth issue of 2020 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 studies and discoveries on the genesis of our moon, the transmission of life from planets to planets, the big bang theory revisited, .. and more.

The web site, Theoscience.org, has added a new top menu item - *Links* - providing web links relevant to our quest.

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 or comment on the website of *Researches Relevant to Theosophy* (theoscience.org).

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Researches Relevant to Theosophy

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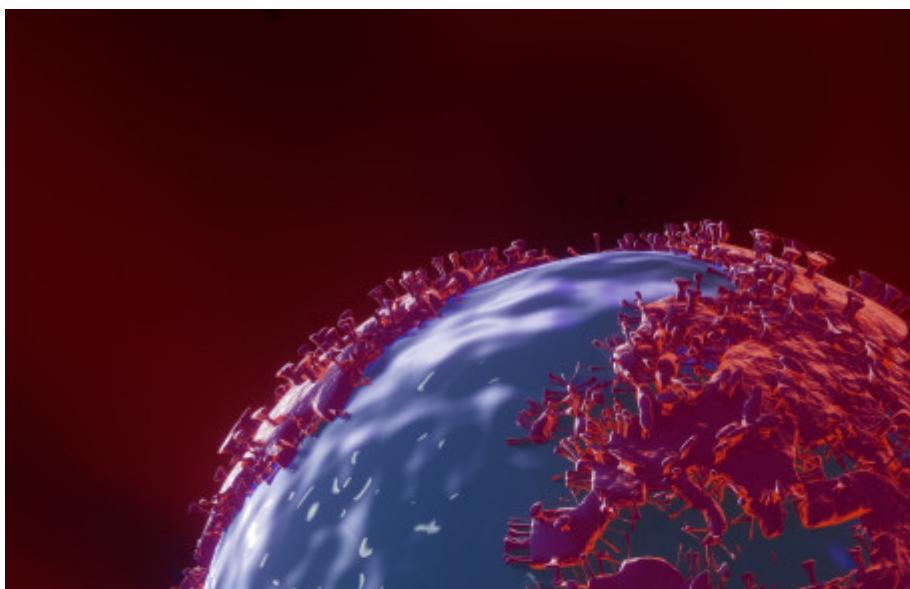
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Contributions to this publication are welcome. Email to the editors the title, date, source and summary of the research report, together with the full citation of the source or sources, whether website, book or article.



Education Philosophy

Date : 2020

Source : *SHS Web of Conferences*

Practical Philosophy of Education

"The nineteenth century was a period of great achievement, but it failed to produce men of learning with a sensitive appreciation of varieties of interest and potentialities . . . and the situation has not changed in the 21st century."

Quoting A. Whitehead and others philosophers, the author of this article elaborate on the principle of understanding to introduce the ecological culture in education as the ethics of conservation. He concluded by saying : *"The diversity and unity of the world are not limited to the empirical sphere – the sphere of the visible."*

Read more :



Philosophy

Date : Feb., 2020

Source : De Gruyter

Anaximene : The Principle of the World

The last Milesian philosopher, Anaximenes (585-525 BC) described the cosmology of the earth as emerging from what he called "Air" which can also be interpreted as "damp dark mist". Earth was formed from it by "condensation". This cosmogonic model is similar to the one proposed by one of his predecessor, Anaximandres (610- 546 BC) who said that "the Unlimited is the Principle and the Element of things which are. The nature of this Principle is to be moving and eternal. This article is analyzing the Anaximenes thought regarding this principle.

The Secret Doctrine (Proem, p.14) describes the One Absolute Reality as Absolute Abstract Space and



Biology, Earth Sciences, Space Sciences

Date : Feb., 2020

Source : *arXiv.org*

Lithopanspermia : Interplanetary Transmission of Life

The theory of lithopanspermia proposes the natural exchange of organisms between solar system bodies through meteorites. This has become recently an active field of researches. This paper, based on latest findings from over 62,000 meteorites found on earth (*The Meteoritical Society, 2020*) describes the complete process of biological organisms transport back-and-forth between the Earth and Mars.

Read more :



Religion, Parapsychology

Date : Mar., 2020

Source : *University of Virginia*

The Amritasiddhi - A Hathayoga Source Text

The *Amritasiddhi*, an Ancient Indian Tradition text from the 11th-12th century, is presenting the occult physiology of man, and practices to enhance longevity.

This study paper highlights similar teachings in the later Buddhist Tradition (*Vajrayana*), specially linked to the Esoteric Buddhism as embodied in the *Kalachakra* Tradition.

Subtle centers – *Chakras*, subtle energies – *Pranas*, and subtle drops – *Bindus*, are the main components of this Eastern alchemy which leads the Buddhist disciple to the awakening and finally to the perfected state – *Mahamudra*.

Read more :



Researches Relevant to Theosophy

Mathematics

Date : Apr., 2020

Source : *Reader's Article*

Sevenfoldness in Mathematics

If the Secret doctrine was published in 1888, a few years later, in 1892 Gino Fano an Italian mathematician published the article “*Sui postulati fondamentali della geometria proiettiva*“. The article was dedicated to finite projective spaces. Fano came to the concept of finite space that is now known as Fano planes. In this space, all the planes consist of seven points and seven lines. The Fano plane is the smallest possible example of a projective plane. It has exactly seven points that lie on seven lines. In modern math, the Fano plane is an example of a finite incidence structure, so many of its properties can be established using combinatorial techniques and other tools used in the study of incidence geometries and algebra.

The picture of Fano Plane demonstrates how close such concept to Secret Doctrine's 7 principles numbering.

The analogy between 7 principles and 7 globes of S.D. exhibit further deep similarity so further analysis of such analogy can be done by the reader himself.

Read more :



Biology, Medicine

Date : May, 2020

Source : *ScienceAlert*

An Unknown Form of Neural Communication

Communication between the neurons – the elementary cells of the brain – has been conventionally understood, using mechanisms as synaptic transmission, axonal transport, etc. A team of scientists has identified a new, unknown process of neural communication which seems to leap wirelessly from neurons – even when they are severed. The transportation medium may be a set of electromagnetic waves which have been identified to be active during sleep in the cortex and the hippocampus. It looks like new science.

Read more :



Physics, Space Sciences

Date : July, 2020

Source : *Quanta Magazine*

Magnetism - A Cosmic Web

Magnetic fields are present in our Universe, wherever we look at, on the Earth, the Sun, the Milky Way, clusters of galaxies, . . . and even in the interstellar void, connecting clusters of galaxies via gigantic filaments. The origin of these force fields is still unknown. One possibility could be that it was created at the (re)birth of our Universe. Therefore, it would be considered as primordial. Such an hypothesis could explain the current accelerated expansion of the visible Universe. Magnetism, together with gravity are the forces shaping out the large-structure of the cosmos.

Read more :



Space Sciences

Date : May, 2020

Source : *Science Alert*

The Genesis of our Moon

New observations of particles emitted from the surface of the moon raise doubts about the mainstream creation model , i.e. a collision between a large body and the Earth. A steady stream of particles (carbon ions) from the entire surface of the moon seems to indicate the moon could not have been created by a collision sometime in the early age of the solar system. The lunar impact formation model may need some revision. Another theory – Michael Woolfson, 2015 – considers the moon as one of the celestial bodies generated together with the earth at the early stages of the solar system creation.

Mme Blavatsky wrote (Collected Writings XIV, p. 142) :
“The Theosophists, who alone will be able to take in the meaning, may be told that the Sun is the external manifestation of the Seventh Principle of our Planetary System, while the Moon is its Fourth Principle, shining in the borrowed robes of her master, saturated with and reflecting every passionate impulse and evil desire of her grossly material body, Earth.”

Read more :



Physics, Space Sciences

Date : Jun., 2019

Source : *Quanta Magazine*

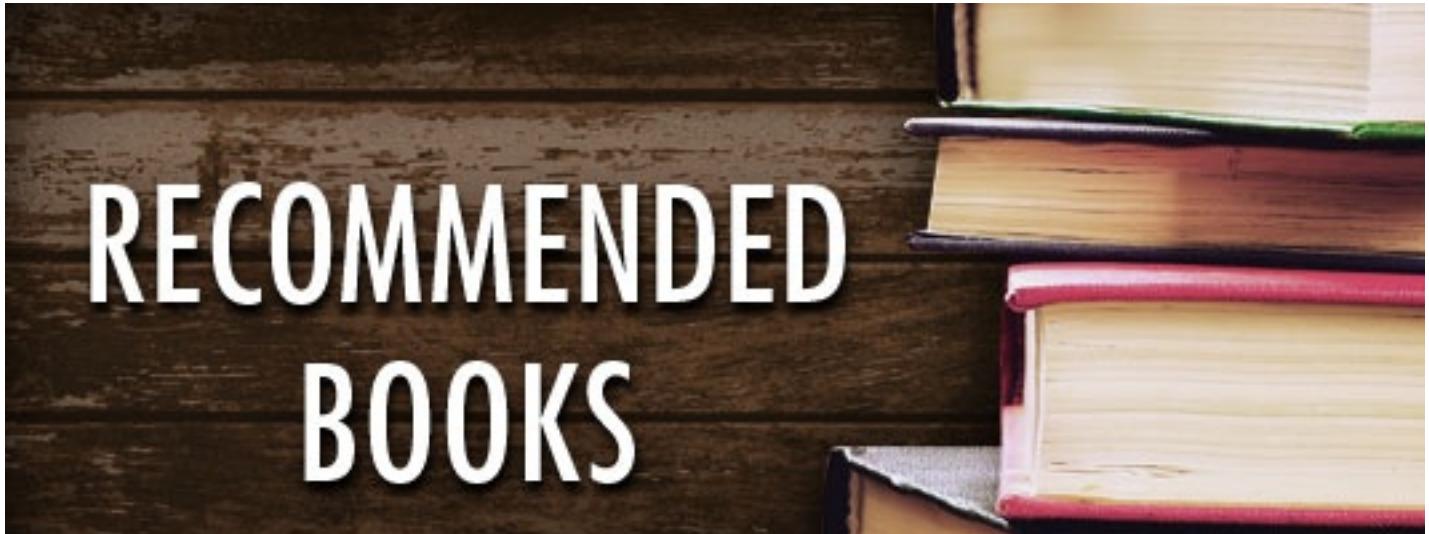
The Big Bang theory : An Origin or Not?

The debate around the Big Bang Theory is still very active, due to many unresolved problems around it. Some cosmologists, including Alan Guth and Stephen Hawking have proposed ([1981 – Vatican Conference](#)) that there is no end nor beginning at all. The no-boundary proposal (1983 J. B. Hartle and S. W. Hawking paper) describes the universe expanding from a point of zero size. In a recent lecture ([S.W. Hawking 2016](#)), Stephen Hawking explained why we cannot talk about ‘Before the Big Bang’ : because, *at this time, there is no time ; time cease to exist and is replaced by pure space.*

This is one of the most striking parallel with the Wisdom Tradition Teachings : Describing the phase before the (re)creation of the Universe, The Secret Doctrine (Cosmogenesis, Stanza I.2) says : “*Time was not, for it lay asleep in the infinite bosom of duration*“. This is correlated by the Rig-Veda Book X (verse 10.129.2 – creation) : “*Then was neither death nor life, nor any sign of night and day*“. Here, the key idea is time (*kâla*). The Rig Veda states that the first step in the creation is not time.

Read more :





THE PHYSICAL BENEFITS OF YOGA – Harvard Medical School 2020 -

A medical/scientific basis for claims related to the Theosophical recommended practices like hatha yoga, mindfulness and awareness. *“Yoga promotes physical health thru better stress management or physical movements and postures . . . Preliminary researches also shows that yoga may help with migraines, osteoporosis, balance and mobility issues, multiple sclerosis, inflammatory bowel disease, fibromyalgia, and ADHD.”*

Level : All public

WHERE PHYSICS WENT WRONG – Bernard Lavenda, 2015 – World Scientific Books – ISBN 978-981-4632-92-8.

“What has gone wrong with physics since Einstein’s formulation of this theory of general relativity a century ago, i.e. inconsistencies and fallacies in the standard model of the big bang and the inflationary scenario which was supposed to have overcome those shortcomings, the evolution of string theory from a theory of strong interaction to a theory of gravitation and quantum mechanics which has not produced a single verifiable prediction,...“

Level : Physics experts