

# Sri – Om VEDIC MATHEMATICS AWARENESS YEAR

E-Newsletter Issue no 112 dated 16-02-2015

For previous issues and further more information visit at [www.vedicganita.org](http://www.vedicganita.org)

*'Credit goes to Swami Bharti Krshna Tirtha Ji Maharaj to focus the attention of present generation about the values of Ganita Sutras (mental Mathematics Sutras)'*

*All are invited to join Awareness program*

*All are warmly invited to join the awareness program of Vedic Mathematics. All teachers, parents and students are invited to Learn and Teach Vedic Mathematics for proper intelligence growth at School.*

Dr. S. K. Kapoor  
Sh. Rakesh Bhatia  
Sh. Bhim Sein Khanna  
Sh. Deepak Girdhar  
- Organizers

## ISSUE NO 112

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Vedas are written on rays of Sun Let us learn to read it	
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Basic features of Vedic Mathematical Systems	
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श्री ॐ Sri-Om

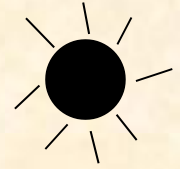
VEDAS ARE WRITTEN ON RAYS OF SUN  
Let us learn to read it

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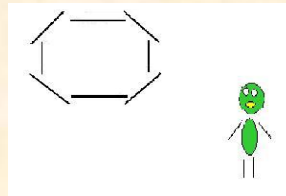
Shakala Rigved Samhita  
FIRST RICHA

“अग्निमीले पुरोहितं यज्ञस्य देवमृत्विजम् ।  
होतारं रत्नधातमम् ॥ ‘ऋ१-१-१’”

Organization foundation format  
INITIATION STEPS



Aah! The  
Universe is 5-  
Space



### Initiation steps – 1 to 7

1. Melt Mental State of Four fold Manifestation
2. Coordination Of Center Of Earth With Center Of Sun
3. Sathapatya Upved
4. Trishapta (त्रिष्टः)
5. पुरुषः / Pursha (Human frame) and सूर्यः / Surya (Sun)
6. Sun to Earth and back from Earth to Sun
7. अष्ट-प्रकृति Asht Parkrati (Eight Fold Nature)

## INITIATION STEP – 8

### Triloki and Trimurti

1. The initiation culmination for Vedic Systems is with the features of the format of त्रिलोकी Triloki and त्रिमूर्ति Trimurti which is parallel to the format and features of four fold manifestation layer (3, 4, 5, 6) of hyper cube 5.
2. With it, eight fold initiation steps come to be:

### Initiation step - 1

1. Melt Mental State of Four fold Manifestation (E-newsletter issue no 105)
2. Coordination Of Center Of Earth With Center Of Sun (E-newsletter issue no 106)
3. Sathapatya Upved (E-newsletter issue no 107)
4. Trishapta (त्रिषप्तः) (E-newsletter issue no 108)
5. पुरुषः / Pursha (Human frame) and सूर्यः / Surya (Sun) (E-newsletter issue no 109)
6. Sun to Earth and back from Earth to Sun (E-newsletter issue no 110)
7. अष्ट-प्रकृति Asht Parkrati (Eight Fold Nature) (E-newsletter issue no 111)
8. Triloki and Trimurti (E-newsletter issue no 112)

To be continued...

### *Basic features of Vedic*

### *Mathematical Systems*

- I. *एकग्र Ekagarh (one ahead)*
- II. *Bridging of Gaps*
- III. *Mathematical entity values of text of Ganita Sutras and Upsutras*
- IV. *Conceptual format : Square*
- V. *Numbers 1 to 16*
- VI. *Conceptual formats: गण / Gana*
- VII. *TCV (अंक)*

## *VIII*

### *Hyper cube 5 format features Basics*

1. Basic steps of Vedic Mathematical systems of Ganita Sutras and Ganita Upsutras ultimately go parallel to hyper cube 5 format features basics.
2. With it the initial basics understanding may be had in terms of eight basics steps

- I. एकग्र Ekagarh (one ahead)*
- II. Bridging of Gaps*
- III. Mathematical entity values of text of Ganita Sutras and Upsutras*
- IV. Conceptual format : Square*
- V. Numbers 1 to 16*
- VI. Conceptual formats: गण / Gana*
- VII. TCV (अंक)*
- VIII. Hyper cube 5 format features Basics*

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### **Online Vedic Mathematics Conference**

It is going to be a wonderful opportunity for everybody interested in Vedic Mathematics to up-to-date oneself about different aspects of mathematical systems of Ganita Sutras by remaining conscious of the outcome of two days online conference of Vedic Mathematics on 14<sup>th</sup> and 15<sup>th</sup> March 2015. Once again for the facility of pointed attention of interested persons, information about said conference is being reproduced here under as document no 2.

From 17-2-2015 some aspect of future pathway of Vedic Mathematics, would be touched in issues of E-newspaper during this Vedic Mathematics Awareness year.

As a first step, one shall acquaint oneself with the text of Ganita Sutras and Upsutras, which is also is being re-produced hereinafter as document no 1.

The text of Ganita Sutras and Upsutras is of very short length. It avails just 519 letters only. As such it can be memorized in few repetitive recitations. Once the text stands memorized the whole range of Mathematics would become simply of mental Mathematics format. The sounds of the text have their own values and virtues.

Vedic Systems are sounds based. Vedic sounds are of sublime frequencies. These frequencies carry along with them consciousness impulses. As such by mere recitation of Vedic sounds, the expected attainments follow of their own. This being so, the students of Vedic Mathematics will be benefitted by making it a habit of reciting the text of Ganita Sutras without the help of written text and just as memorized text.

This in a way, may be taken as initiation prayer of mathematical systems of Ganita Sutras. The recitation of text of Ganita Sutras from memory is going to be few minutes devotion. It would prove to be the transcendental (5-space) trigger for the transcending mind glimpsing transcendental (5-space) domains and thereby having creation of consciousness based intelligence field contaminating as wisdom reservoir. The recitation of the text of Ganita Sutras being taken as a gentle step exercise. During recitation one is to remain conscious of each and every letter in its sequence and order of presence in the text by doing so one shall be making sound frequencies being carriers of consciousness impulses which inherently are carried by transcendental (5-space) carriers of Sun Rays and thereby it becomes the transcendental (5-space) Phenomenon of Sun light Meditation.

## Document - 1

### *Ganita Sutras*

1. एकाधिकेन पूर्वेण ।  
*Ekadhikena Purvena.*  
By One More than One before
2. निखिलं नवतश्चरमं दशतः ।  
*Nikhilam Navatascaramam Dasatah*  
All from 9 and the last from ten
3. ऊर्ध्वतिर्यग्भ्याम् ।  
*Urdhva tiryagbhyam*  
Vertically and crosswise
4. परावर्त्य योजयेत् ।  
*Paravartya Yojayet*  
Transpose and Apply
5. शून्यं साम्यसमुच्चये ।  
*Sunyam Samyasamuccaye*  
If the samuccaya is the same it is Zero
6. (आनुरूप्ये) शून्यमन्यत् ।  
*(Anurupye) Sunyamanyat*  
If one is in Ration the others is Zero



7. संकलनव्यकलनाभ्याम् ।  
*Sankalana-vyavakalanabhyam*  
By addition and by subtraction
8. पूरणापूरणाभ्याम् ।  
*Puranapurānabhyam*  
By the completion or non-completion
9. चलनकलनाभ्याम् ।  
*Calana-kalanabhyam*  
Differentiation Calculus
10. यावदूनम् ।  
*Yavadunam*  
By the Deficiency
11. व्यष्टिसमष्टिः ।  
*Vyastisamastih*  
Specific and General
12. शेषाण्यङ्केन चरमेण ।  
*SesnyankenaCaramena*  
The Remainder by the last digit
13. (सोपान्त्यद्वयमन्तम्)  
*Sopantyadvayamantyam*  
The ultimate and twice the penultimate
14. एकन्यूनेन पूर्वेण ।  
*Ekanyunena Purvena*  
By One less than the One Before
15. गुणितसमुच्चयः ।  
*Gunitasamuccayah*  
The product of the Sum
16. गुणकसमुच्चयः ।  
*Gunaksamuccayah*  
All the Multipliers

### *Ganita Upsutras*

1. आनुरूप्येण ।  
*Anurupyena*  
Proportionately
2. शिष्यते शेषसंज्ञः ।  
*Sisyate Sesasamjnah*  
That remains is remainder
3. आघमाघेनान्त्यमन्त्येन ।  
*Adyamadyen Antyamantyen*  
First with first Last with last
4. केवलैः सप्तकं गुण्यात् ।

*Kevalaih Saptakam Gunyat*

Only Seven as multiplicand

5. वेष्टनम् ।

*Vestanam*

Osculators

6. यावदूनं तावदूनम् ।

*Yavadunam Tavadunam*

That twice This twice

7. यावदूनं तावदूनीकृत्य वर्ग च योजयेत् ।

*Yavadunam Tavadunikrtya Varganca Yojayet*

That twice This twice Square and add

8. अन्त्ययोर्दशकेऽपि ।

*Antyayordasake'pi*

Ends to sum as ten

9. अन्त्ययोरेव ।

*Antyayoreva*

Ends to be in ratio

10. समुच्चयगुणितः ।

*Samuccayagunitah*

Samuchya as product

11. लोपनस्थपनाभ्याम् ।

*Lopana sthapanabhyam*

That missing to be established

12. विलोकनम्

*Vilokanam*

By observation

13. गुणितसमुच्चयः समुच्चयगुणितः

*Gunita Samuccayah Samuccayagunitah*

Product samuchya Samuchya Product

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Document - 2  
[Information of VM conference](#)

Main site [VedicMaths.Org](http://VedicMaths.Org)  
[Conferences home page](#)

## Online Vedic Mathematics Conference

14th - 15th March 2015

In celebration of the 50th anniversary of the publication of the seminal work "Vedic Mathematics" by Shankaracarya Sri Bharati Krishna Tirtha, published in 1965, events are being organised around the world.

We are delighted to invite you to this online conference which will be for 3 hours on each of the two days.

### Conference Objectives:

The aims of this Vedic Maths conference are to:

1. broaden the awareness of VM
2. introduce and illustrate the speed, fun and flexibility of VM
3. share discoveries and benefits
4. bring people together with similar interests
5. discuss future pathways for VM

### Who should attend?

Anyone who has an interest in maths or maths education. That is teachers, parents, researchers, students etc.

**DAY 1, 14th March, 2015** 8:30 pm – 11:30 pm IST (Indian Standard Time) [7 am PST, 3 pm GMT]

### Events:

- 1) **Introductory workshop** by foremost VM expert James Glover, followed by a Q&A session through the 'Chat' facility. Not to be missed!
- 2) **Global VM practices:** A series of short presentations from VM practitioners around the world telling us what they are doing, their success stories, plans, challenges etc.
- 3) **Special Project Workshops:** These are accounts of special projects that are underway in various parts of the world. Each will have a brief Q&A session. The 'Chat' facility will give all participants the opportunity to ask questions about these projects.

### Featured speakers:

Dr S. K. Kapoor, India  
Prof. Frank Marzano, USA  
Dr Rajiv Babajee, Mauritius  
Dr Arvind Prasad, Australia

Vera Stevens, Australia

James Glover, UK

Kenneth Williams, UK

Andrew Nicholas, U.K.

Lokesh Tayal, Singapore

Kevin Carmody, U.S.A.

Usha Tipparaju, India

Also speakers from New Zealand, Italy, Ghana, Nigeria, Switzerland, Eireland, Malaysia etc.

. . . to be updated

**DAY 2, 15th March, 2015** timings as above: 8:30 pm – 11:30 pm IST (Indian Standard Time)

1) **VM research:** Presentations outlining research areas that will be presented in person and in more detail at the later [conference in Bangkok](#). Each will have a brief Q&A session.

2) **Panel discussions:** A series of discussions on moving forward with Vedic Mathematics: global, educational, research etc.

These discussions will be based around questions submitted by the conference participants, such as:

- a) How can the conceptual gap between Vedic Mathematics and contemporary mathematics be bridged?
- b) In what ways can Vedic Mathematics be disseminated?
- c) How can the teaching of Vedic Mathematics be enhanced (e.g. training of good VM teachers and production of good textbooks)?

The 'Chat' facility will give all participants the opportunity to join the discussions.

**Featured panelists:**

James Glover

Kenneth Williams

Dr S. K. Kapoor

Prof Frank Marzano

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**[TO REGISTER PLEASE CLICK HERE](#)**

If you would like to make a short presentation on Day 1, or if you have any question(s) you would like to see addressed on Day 2, please email us at [academy@vedicmaths.org](mailto:academy@vedicmaths.org) with the details.

More details of the content and structure of the course will be posted later.



Recordings of the event will be available to anyone who has registered for the conference.

### Organising Committee:

#### KENNETH WILLIAMS



Has been studying, researching and teaching Vedic Mathematics since 1971, founded the Vedic Mathematics Academy in 1998, published several articles, written several books, created DVDs, been invited to many countries to give seminars and courses. Gives online courses, including teacher training. Research includes developing Tirthaji's material, left-to-right calculating, Astronomy, applications of Triples, extension of Tirthaji's 'Crowning Gem', Calculus.

#### JAMES GLOVER



James Glover has 35 years experience of teaching Vedic Maths in schools together with original research and development on its use in education. He has run many public courses, seminars and workshops in Vedic Mathematics and has held international courses for teacher training. He has authored five books: Vedic Mathematics for Schools 1, 2 and 3 and The Curious Hats of Magical Maths 1 and 2. He has written several papers on Vedic Mathematics together with published articles in the Indian press. James teaches mathematics in London and is a Fellow of the Institute of Mathematics and its Applications.

#### ARVIND PRASAD



**Education:** Ph.D. in Materials Engineering, University of Alberta, Canada  
Advanced Diploma in Vedic Maths from the Vedic Maths Academy  
**Current Employment:** Research Fellow at the University of Queensland, Brisbane, Australia  
**Community Contributions:** Organizing committee/Editor: Aluminium Casthouse technology conference, 2011  
Organizing committee/Co-Editor: Aluminium Casthouse technology conference, 2009  
Organizing committee: Inaugural autonomous Vedic Maths conference, 2015  
Conducts regular workshops and classes on Vedic Maths at the local libraries

\* 16-02-2015

Dr. S. K. Kapoor, (Ved Ratan)