‘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

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**ISSUE NO 112**

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**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 (विष्णु:)
5. पुरुष: / Pursha (Human frame) and सूर्य: / 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 (त्रिशप्त:) (E-newsletter issue no 108)
5. पुरुष: / Pursha (Human frame) and सूर्य: / 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. एकाग्र 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. एकाग्र 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

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 14th and 15th 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 transcendent (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. निधिं नवतत्त्वरम् दशमः ।

*Nikhilam Navatascaramam Dasatah*
   All from 9 and the last from ten

3. ऊर्ध्वांशोऽभ्याम ।

*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) शून्यस्रयमन्वित्तु ।

*(Anurupye) Sunyamanyat*
   If one is in Ration the others is Zero
7. संकलन-व्यवकलनाभ्यामुः
   Sankalana-Vyavakalanabhyam
   By addition and by subtraction

8. पूरणापूरणाभ्यामुः
   Puranapuranabhyam
   By the completion or non-completion

9. चलन-कलनाभ्यामुः
   Calana-kalanabhyam
   Differentiation Calculus

10. यावदूनम्
    Yavadunam
    By the Deficiency

11. व्यक्तिसमिति: |
    Vyastisamastih
    Specific and General

12. शेषाणवदः केन चरमेण ।
    Sesnyankena Caramena
    The Remainder by the last digit

13. (सोपान्त्रद्वयमन्तमः)
    Sopantyadvamantryam
    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. शैष्ट्ये शैष्ट्यं ।
   Sisyate Sesasamjnah
   That remains is remainder

3. आध्यामद्येनान्तमत्थे येन ।
   Adyamadyen Antyamantyen
   First with first Last with last

4. केवले: सप्तकं गुण्यात् ।
5. Kevalaih Saptakam Gunyat
   Only Seven as multiplicand

6. Vestanam
   Osculators

7. Yavadunam Tavadunam
   That twice This twice

8. Antyayor dasake’pi
   Ends to sum as ten

9. Antyayoreva
   Ends to be in ratio

10. Samuccayagunitah
    Samuchya as product

11. Lopana sthapanabhyam
    That missing to be established

12. Vilokanam
    By observation

13. Gunita Samuccayah Samuccayagunitah
    Product samuchya Samuchya Product

*
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
... 

**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 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   JAMES GLOVER   ARVIND PRASAD

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 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.

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

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