



Dr. D.S. Kothari Institute Bulletin

डॉ. डी.एस. कोठारी संस्थान बुलेटिन

Issue - 3

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PREFACE

We are happy to share with our distinguished members that we have received encouraging response and very useful comments on the publication of previous two bulletins. This obviously inspires us to communicate better on going activities and future planning. It may be stated that looking to space constraint, bulletin has been divided into four sections namely-organizational matters, service activities, members' contributions, science and spirituality. In each issue, we are publishing invaluable quotes from elaborate convocation addresses delivered by Dr. DS Kothari in various universities with emphasis on science and spirituality. We express profound thanks to our esteemed members for valuable suggestions and motivation.

ORGANISATIONAL MATTERS

● Bye-Laws governing DSKIRE were received

Third draft of By-laws after incorporating suggestions during detailed discussions held at DSKIRE head quarter was received from Prof. T S Dhakar USA. The same will be sent to members for suggestions and then alongwith suggestions it will be presented to Trust Board for approval.

● MSL activities in IInd half year

We requested our both the donors of Agastya project to remit the amount for the next half year as per their commitment. We received the amount of Rs. 5,03,626/- from Shriman Abhay Ji Shri shrimal Jain but on account of some confusion, our second donor had not remitted the amount. We will clarify confusion and request him to send the amount. However, we have remitted an amount of Rs7,53,626/- to Agastya as per MOU.

● Executive Committee Meeting of Dr. D S Kothari Institute held on 24.05.2022

Progress of Agastya Foundation Mobile Science Lab was reviewed. Since first half year period is coming

to an end on 30 June 2022, its extension to end of year 2022 was deliberated and agreed. It was agreed that better interaction in the MSL instructors and demonstration of science models will be monitored. Dr. Maheep Bhatnagar is now incharge of MSL project and is in close contact with Agastya Foundation team. Committees were formed to popularize science under "Ghar Ghar Mein Vigyan Ghar Ghar Mein Navachar" programme and another project "75 topics identified for saving Earth".

● Discussion with Agastya Authorities

The representatives of Agastya Shri Vikas Tiwari from Delhi and another from Jaipur Shri Rahul Sharma came to visit Udaipur for detailed discussions with us. They came on 1st July and our team had long discussions with them. Both sides were satisfied with detailed discussion. The minutes as received from Shri Vikas Tiwari are as under :-

- Monthly schedule should have Topic & Subtopic, Time, School Name etc, should be shared by Area Lead to Dr. Maheep Bhatnagar, copying IMT, Deepika and Vikash Tiwari.
 - Random visit to be expected from the DSKIRE Officials during the session.
 - Video feedback from school students on every alternate Day, If possible, every day should be collected after session and shared in the Whatsapp Group. Rahul Sharma needs to add Dr. Maheep in the whatsapp group created for daily Updates.
 - Parking of Mobile Lab Van to be done at Vigyan Samiti, for better coordination and smooth functioning of Program in second Phase.
 - Monthly meeting in last/First week to demonstrate the Topic/Subtopic, Instructors, Area Lead and IMT to Join the discussion
 - Nomination of Two students (1 Girl+1 Boy) month wise to suitably encourage them at DSKIRE vigyan Samiti Office or by official at School Campus.
 - Model Learning : Possibility should be checked. Rahul sharma.
 - Actilearn Books soft copy for sharing in Vigyan Samiti's monthly magazine " Lok Vigyan".
 - List of Employees involved in Mobile Lab Operation and their Managers details in the trail email.
- Please add if anything is missed and should be added. Pleasure meeting all of you today. Looking for to meet soon.

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Activities

MOBILE SCIENCE LAB

On account of summer vacations in schools MSL activities after 10th of May and June were organised in village communities every day taking a new village. From 13th to 30th June both the instructors were on training program.



MONTHLY WEBINARS

● Twelfth Monthly Public Webinar was delivered by Dr. Shiv Singh Sarangdevot, Honourable Vice Chancellor of Rajasthan Vidhyapeeth, Udaipur on 14th May 2022. The title was “राष्ट्रीय



शिक्षा नीति 2020 : प्रमुख घटक एवं क्रियान्विति” इसके अंतर्गत निम्न पहलुओं पर सारगर्भित व्याख्यान हुआ। राष्ट्रीय शिक्षा नीति में परिवर्तन की आवश्यकता, स्कूली शिक्षा में परिवर्तन शोध व अनुसंधान को बढ़ावा, उदारवादी शिक्षा, मातृ भाषा, भारतीय ज्ञान एवं कौशलता को बढ़ावा, समग्र विकास, कौशल आधार व रोजगार मूलक शिक्षा को बढ़ावा।

● Thirteenth of monthly series of webinars was held on 11th June 2022. It was delivered by Dr. Ravi Sharma, NASA Apollo Achievement Award winner and First Scientific Secretary (ISRO). The title was “Sensors, Platforms,



Image-Data from Earth Observations”. He gave a general overview of his Earth Observations experience spanning over a period of 50 years. This technology is used to study various processes taking place on the Earth like agriculture, forestry, desert areas, water bodies and others. Activities included in the 1970's NASA ERTS Satellites, Skylab Experiments, Bhaskara (Concept to implementation), planning IRS (Indian Remote Sensing Satellite), and again work in late 1990's on NASA Terra, Aqua and Aura as well as Polar satellites, metadata, Image-Data Products and Electronic data records.



Achievements of Members

Vigyan Samiti honors a person with **Dr DS Kothari Excellence Award** every year on National Technology Day (ie. 11th May) for his/her outstanding contribution in technology-development or its application for human welfare in a big way. This year the recipient of the award was a great industrialist and philanthropist Shri Abhay Shri Shrimal (Jain), who is our trustee and a liberal donor also.

Honor to our honorary member Prof. SS Sarangdevot

Prof. SS Sarangdevot has been honored with Lifetime Achievement Award in an International Symposium organized by University of Malaysia, Kelantan and DHS Foundation for his extraordinary contributions in various fields of educational innovations. Congratulations.

Outstanding Academic Leadership of Prof. N.S. Rathore

Maharana Pratap University of Agriculture & Technology, under the leadership of its Vice Chancellor & our honorary member Prof. NS Rathore has been honored with "The best University in the state of Rajasthan- Award" Kothari Institute-family congratulates Prof. NS Rathore for this extraordinary achievement.

Our honorary member Dr NL Kachchara was honored with prestigious Acharya Mahapragna Award by Florida International University (USA). Congratulations.

Dr Kanak Madrecha Secured First Rank

Dr. Kanak Madrecha has secured first rank by scoring 96.4% and 'A' grade in Florida International University Miami (USA) in the course, Jain Science and Philosophy! Congratulations.

Comments on the book of Our Trustee Dr. L. K. Kothari by Prof. Suresh Mehta

"To talk of many things" is very enlightening and reveals many aspects of life I never knew. Every one must read this book particularly the medical students.

VISITS, MEETINGS etc.

Dr Surendra Singh Pokharna, has submitted a Project Report entitled "A comparative study of concept of consciousness in science and Jain Philosophy" to Indian Council of Philosophical Research (ICPR), New Delhi. He said that the inspiration of this work was from our respected Dr. DS Kothari. Congratulations.

Meeting with Prof. C N R Rao : Dr. Surendra Singh Pokharna had a highly inspiring and interesting meeting with Honourable Bharat Ratna Prof. C N R Rao at his office in Jawahar Lal Nehru Center for Advanced Scientific Research at Jakkur, Bangaluru on June 17.

Visit to Head-office of Agastya International Foundation and Science Center : Dr. Surendra Singh Pokharna visited Agastya International Foundation in Bangaluru and had a very fruitful meeting with Shri Mahaveer Kataria MD. He has also visited science center run by AIF in school in Hebbal in Bangaluru.

प्रेरणा गीत

वैज्ञानिक बन जाऊँ
पुरुषार्थ के दीप जलाऊँ ।
माटी में सोना उपजाऊँ ।
अंधविश्वास मिटाने हेतु,
माँ मैं वैज्ञानिक बन जाऊँ ॥

ज्ञान-विज्ञान की रोचक बातें ।
स्वप्न खगोल-भूगोल के आते ।
कर दूँ प्रकट जो छिपा हुआ है,
नया आविष्कार बन जाऊँ ।
माँ मैं वैज्ञानिक बन जाऊँ ॥

कोई गया था चन्दा के घर ।
कोई चढ़ा एवरेस्ट-चोटी पर ।
मैं जाऊँगा मंगल-ग्रह पर,
सर्वप्रथम तिरंगा फहराऊँ ।
माँ मैं वैज्ञानिक बन जाऊँ ॥

जीव-अजीव का भेद करूँगा ।
'आत्मा है' यह सिद्ध करूँगा ।
नई दिशा विज्ञान को देकर,
वसुंधरा को स्वर्ग बनाऊँ ।
माँ मैं वैज्ञानिक बन जाऊँ ॥

सत्य-अहिंसा भाईचारा ।
परिवार संसार है सारा ।
विनाश से विकास की ओर बढ़े,
ऐसा विज्ञान बताऊँ ।
माँ मैं वैज्ञानिक बन जाऊँ ॥

सर्वांगीण सर्वोत्तम प्रगति ।
कसर रहे ना पाव रत्ति ।
मचे तहलका विश्व-पटल पर,
भारत का सम्मान बढ़ाऊँ ।
माँ मैं वैज्ञानिक बन जाऊँ ॥

- डॉ दिलीप धींग



Science and Spirituality

New thing in the Modern World is Science

It is commonplace to say that the new thing in the modern world is science, or rather is cultivation on an intensive scale, and its permeation into almost every aspect of our lives. The present world is science-based even science (not scientist) dominated; and in this there could conceivably be no going back unless civilization itself suffered a complete collapse because of man's folly or inability to deal in a human way—that is, in the interests of mankind as a whole—with the forces of almost cosmic dimensions that nuclear energy has placed in man's hands.

The characteristic of a science-based world is that it is no longer a place of slow and gradual change. On the contrary, the pace of change and innovation is almost terrific and these changes affect not only our material environment but our cultural, social and spiritual values as well. The doubling period of science is of the order of 10 years or so.

In this rapidly changing world, changing almost beyond recognition in a lifetime, the role of education becomes of paramount importance. Primarily, it must be an education which promotes and develops an openness of mind, tolerance, world-wide cooperation, ability to adjust to change, and above all encourages a vigorous and relentless pursuit of truth and free enquiry. The rapid progress in science had largely come about because science stresses cooperation rather than competition, and because its roots lie deep in man's highest capabilities and aspirations. In brief science is the new humanism.

Science is international. Any discovery made anywhere soon becomes the common

property of all. The language of science is a common language, and its achievements, the heritage of all—the only truly common heritage. The world of science is an open one, and this has not altered essentially despite certain aberrations it has suffered because of its close connection with the apparatus of war.

An example of cumulative effort that at once comes to our minds is that all particles in nature, be those electrons, antiprotons, neutrons, or what not, must belong to one of two classes. One class of particles is called fermions after Enrico Fermi (who first realized the nuclear fission chain reaction in December 1942), and the other class is called bosons after Professor Satyendra Nath Bose of the Calcutta University. Satyendra Nath Bose and Fermi were the first to study, about 1924, the relevant quantum statistics.

Dr. Kothari quoted, the Taittiriyaopaniṣad in its exhortation to the youth declares :

“Speak the truth; Practice righteousness; Do not slacken in your studies; Never deviate from truth; Cease not to study and teach; Do only irreproachable acts, not others; Follow only right courses of conduct, not others; If you should still have doubt concerning your course of action or concerning your conduct in a given situation, deport yourself in the same manner as men who are competent to judge, devoted, gentle and prone to righteousness would do in such situation : This is the precept; This is the advice; This is the pith and substance of all scriptural teaching; This is the commandment; Follow it; Follow it.”

Prof. D S Kothari

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