

VIGYAN PRASAR

(An autonomous organisation under the Department of Science & Technology,
Government of India)

**ANNUAL REPORT
2003-2004**



VIGYAN PRASAR
C-24 Qutab Institutional Area
New Delhi-110 016

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DIRECTOR'S REPORT

I am happy to present this report on programmes and activities undertaken by Vigyan Prasar during the period April 2003 – March 2004.

Undoubtedly, the most significant achievement of Vigyan Prasar during the current year was the conceptualization, design and implementation of the project Vigyan Rail – Science Exhibition on Wheels. Since it was flagged off on December 15, 2003 from Delhi Safdarjung Railway Station, Vigyan Rail has moved to nearly 30 destinations covering Northern, North-Eastern and Eastern parts of the country. Surely, Vigyan Rail has caught the imagination of the people in general and the children in particular. During its course of journey till August 20, 2004, Vigyan Rail is scheduled to travel to 60 destinations in the country.



Vigyan Prasar has taken up a National Campaign on popularization of science and technology in general and astronomy in particular with activities built around the on-coming rare event of Venus Transit of June 08, 2004. Vigyan Prasar is engaged in producing a variety of software including an activity kit on Venus transit. Members of Vigyan Prasar Network (VIPNET) of Science Clubs have been actively participating in this campaign.

With a view to utilize the emerging technologies for science popularization, about a year ago Vigyan Prasar had initiated daily broadcasts on WorldSpace Satellite Digital Radio system in English and Hindi for one hour – six days a week. The broadcast has continued uninterrupted. Vigyan Prasar has now started producing its own audio software alongwith snippets and news / issues of current interest. These programmes are also broadcast on Gyan Vani channel of Indira Gandhi National Open University. Further, jointly with All India Radio, Vigyan Prasar has continued to produce and broadcast several radio serials on a variety of scientific topics from different parts of the country. Mention may be made of radio serials broadcast from Madurai and Pondicherry in Tamil.

Publications of Vigyan Prasar have been steadily gaining popularity for their quality and content. Today, Dream 2047, the monthly newsletter-cum-popular science magazine of Vigyan Prasar, reaches

31,500 subscribers. It received the second prize under the in-house magazine category for best production at the World Book Fair 2004. *Khile Matritva Gunjey Kilkariyan*, a book published by Vigyan Prasar (Hindi) received the best production award for the year 2004, also at World Book Fair 2004. The homepage of Vigyan Prasar on the Internet now records nearly 250-300 hits everyday. Chat sessions, in particular, have become quite popular.

Vigyan Prasar has been actively collaborating with Development and Educational Communication Unit (DECU), Indian Space Research Organisation for launching of a Science Channel for India on EDUSAT, a satellite for education, science and technology to be launched in the latter half of this year. Both Vigyan Prasar and DECU / ISRO would be partners in this endeavour.

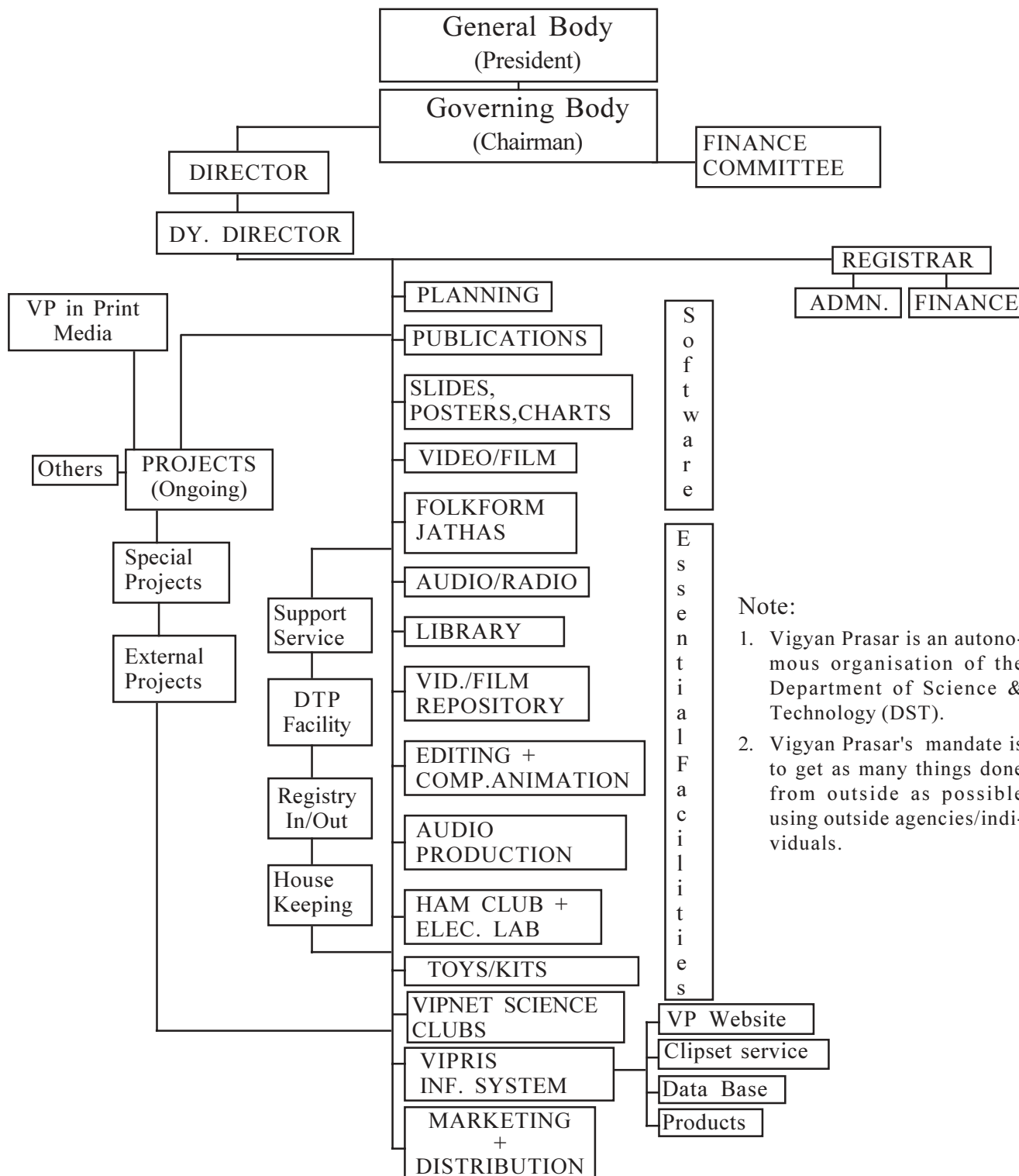
I am happy to note that Dr. Subodh Mahanti, a member of the Vigyan Prasar family, has been awarded the NCSTC national award for science popularization through media for the year 2003.

What is described above are only the highlights of what Vigyan Prasar has achieved during the past year. More details can be found in the following pages. I record my appreciation for the entire Vigyan Prasar team for accomplishing what all is stated here. A few new members have joined the Vigyan Prasar family during the year.

Surely, the Governing Body and General Body members have been a constant source of inspiration and encouragement. I record my gratitude for their active participation in all the activities of Vigyan Prasar. After all, the idea of Vigyan Rail was mooted by Shri M.V. Kamath, President, Vigyan Prasar Society. We are extremely happy to note that he has been conferred Padma Bhushan by H.E. the President of India for the year 2004 for his services to the nation.

(V.B. Kamble)

VIGYAN PRASAR (ORGANISATIONAL CHART)



Note:

1. Vigyan Prasar is an autonomous organisation of the Department of Science & Technology (DST).
2. Vigyan Prasar's mandate is to get as many things done from outside as possible using outside agencies/individuals.

COMPOSITION OF GENERAL/GOVERNING BODY MEMBERS

- | | | |
|----|--|--------------------------|
| 1. | Shri M.V. Kamath
President, Vigyan Prasar Society
Kalyanpur House
3rd Road, Khar (West)
Mumbai - 400 052 | President of the Society |
| 2. | Prof. V.S. Ramamurthy
Secretary
Department of Science & Technology
Technology Bhavan
New Delhi - 110 016 | Chairman, Gov. Body |
| 3. | Prof. A.N. Maheswari
A-8, Sector 36,
Opp. Golf Course
New Delhi | Member |
| 4. | Prof. J.S. Yadava
D-7/7490,
Vasant Kunj
New Delhi | Member |
| 5. | Shri Kiran Karnik
Q-2-A
Hauz Khas Enclave
New Delhi - 110 016 | Member |
| 6. | Shri B.S. Bhatia
Director
Development And Educational
Communication Unit
SAC P.O.
Ahmedabad 380 053 | Member |
| 7. | Shri A.K. Barua
Director
Assam Science Technology and
Environment Council
U N Bezbaruah Road, Silpukhuri,
Guwahati - 781 003, Assam | Member |

- | | |
|---|-------------------|
| 8. Shri Pradeep Kaul
Consortium for Educational Communication (UGC)
Aruna Asaf Ali Marg
New Delhi - 110 067 | Member |
| 9. Shri Biman Basu
C-203, Hindon Apartments,
25, Vasundhara Enclave
Delhi - 110 096 | Member |
| 10. Shri Anuj Sinha
Head, NCSTC
Department of Science & Technology
Technology Bhawan
New Delhi – 110 016 | Member |
| 11. Director General
Doordarshan
Mandi House, Copernicus Marg
New Delhi – 110 001 | Member |
| 12. Shri Arun Sharma
Joint Secretary & Financial Adviser
Department of Science & Technology
Technology Bhawan
New Delhi – 110 016 | Member |
| 13. Director General
National Council of Science Museums
Block 'GN', Sector - V
Bidhan Nagar
Kolkata - 700 091 | Member |
| 14. Dr. V.B. Kamble
Acting Director, Vigyan Prasar
Department of Science & Technology
Technology Bhawan
New Delhi – 110 016 | Member- Secretary |

* The Compositions of the Governing Body and General Body are same except that Shri M.V. Kamath, President of the General Body, is not a member of the Governing Body.

Composition of the Finance Committee

Prof. V.S. Ramamurthy
Secretary
Department of Science & Technology
Technology Bhawan
New Delhi - 110 016

Chairman

Prof. J.S. Yadava
D-7/7490
Vasant Kunj
New Delhi

Member

Shri Arun Sharma
Joint Secretary & Financial Adviser
Department of Science & Technology
Technology Bhawan
New Delhi - 110 016

Member

Dr. V.B. Kamble
Acting Director, Vigyan Prasar
C-24, Qutab Institutional Area
New Delhi - 110 016

Member-Secretary

The term of the Finance Committee is coterminous with that of the Governing Body.

HIGHLIGHTS

- * Vigyan Rail - Science Exhibition on Wheels, was successfully coordinated and implemented by Vigyan Prasar. This prestigious project was undertaken with the active participation of 18 Scientific Departments / Ministries/ Councils of Government of India. Vigyan Rail was flagged off by the former Prime Minister of India, Shri Atal Bihari Vajpayee on December 15, 2003, at a function organized at the Delhi-Safdarjung Railway Station. The train began its journey from Delhi on December 15, 2003 and had covered 30 destinations till March 2004. It will move to 60 stations all over the country and continue its run upto August 16, 2004. The Vigyan Rail received an overwhelming response from wherever it went.
- * VP's bilingual monthly newsletter-cum-popular science magazine "Dream- 2047" gained high popularity amongst scientists, teachers and students. The present circulation stands at 30,000. "DREAM 2047" was awarded Second Prize for Excellence in Publishing (for the year 2002-2003) in the category of Journals and House Magazines (Hindi) by the Federation of Indian Publishers during World Book Fair on 16 February 2004.
- * Four science radio programmes 13-episode each were produced jointly with All India Radio, Lucknow, Madurai, Pondicherry, and Ahmedabad. Two more programmes were in the pipeline during the year with AIR, Port Blair and AIR, Chennai.
- * VP organised three seminars on Science Popularisation in Indian languages at Chennai, Kolkata and New Delhi.
- * VP started producing audio/radio programmes for regular broadcast on WorldSpace Radio, Gyan Vani, Internet etc. VP has produced five radio serials (13-episode each) in Hindi and English. The broadcast was done for 36 hrs in English and 36 hrs in Hindi in slots of half an hour daily.
- * VP brought out two interactive CD-ROMs on "India in Space" and "Dream-2047" (1998-2002).

- * During the period, Vigyan Prasar conducted four live chat sessions on different scientific topics on its website www.vigyanprasar.com
- * VP organized four popular science lectures during the year under the programme 'Popular Science Lecture Series'.
- * The activities and programmes of Vigyan Prasar Network of Science Clubs –VIPNET - were strengthened. VP organized regional workshops in North Zone in May 2003. The present membership of the Vigyan Prasar Network of Science Clubs (VIPNET) stands at 4909.
- * VP organised four VIPNET workshops at Anantnag (Jammu & Kashmir); Guwahati (Assam); Dhenkanal (Orissa) and Patna (Bihar) between June 2003 and March 2004.
- * On May 07, 2003, Mercury transit took place – the first transit of the 21st century. Vigyan Prasar organized an awareness programme on Mercury Transit at Technology Bhavan, New Delhi, on this day.
- * As part of science popularisation activities of VP, Mars viewing shows were organized coinciding with the closest approach of Mars to Earth in various parts of Delhi from 28 – 30 August 2003.
- * On the occasion of Hindi Pakhwada (1-14 September 2003), VP organised an elocution competition for its staff members on "Use of Hindi in Office-Work"
- * On 28 June 2003, an inspection was carried out by the second sub-committee of the Committee of Parliament on Official Language.
- * VP brought out twelve titles under the Publication Programme : 'The DNA Saga: 50 Years of Double Helix' by Biman Basu; 'Energy and Self Reliance' by Yona Friedman (English and Hindi); 'Environment and Self Reliance' by Yona Friedman and Eda Schaur (English and

Hindi); 'Fermi Ke Prashna Ya Anuman Lagane Ki Kala' by Dr. V.B. Kamble; 'A Stroll Through Space –Time' by Rakesh Popli; 'On the Various Forces of Nature' by Michael Faraday (Reprint); 'Autobiography of Charles Darwin' edited by Francis Darwin (Reprint); 'Milestones in Science' compiled by Divyanshoo Rai Kohli; 'Mausum' by Shyam Sunder Sharma, 'Thumbprints' by Arvind Gupta. The book "Khile Matritva Gunjey Kilkariyan" received best book award in the World Book Fair 2004.

- * A new website www.vigyanrail.com was launched. The site provided all the information related to Vigyan Rail activities.
- * A national campaign on Venus Transit 2004 was conceptualized and initiated.
- * A number of meetings were held jointly with DECU/ISRO during the period for initiation of the Science Channel on EDUSAT to be launched in 2004 by ISRO.
- * VP participated in a number of book fairs and exhibitions.

1.0 INTRODUCTION

Vigyan Prasar was set up by the Department of Science and Technology, Government of India, as an autonomous registered Society in 1989 for taking up large-scale science popularisation tasks. The primary objective of Vigyan Prasar is to promote and propagate—as widely as possible—a scientific, rational outlook in society. To achieve this, its efforts go beyond mere dissemination of information to a conscious attempt at inculcating amongst people the spirit of ‘scientific temper’. The broad objectives of Vigyan Prasar may be summarised as follows:

Objectives:

- 1.1 To undertake, aid, promote, guide and co-ordinate efforts in popularisation of science and inculcation of scientific temper among the people and to increase the knowledge, awareness and interest about science and technology among all segments of the society.
- 1.2 To provide and promote effective linkages on a continuing basis among various scientific institutions, agencies, educational and academic bodies, laboratories, museums, industry, trade and other organisations for effective exchange and dissemination of S&T information.
- 1.3 To undertake development of materials—audio, visual, audio-visual and printed—methods and modes of communication, so as to enable the masses to better understand, appreciate and comprehend abstract scientific principles and practices.
- 1.4 To organise research work, courses, workshops, seminars, symposia, training programmes, fairs, exhibitions, film-shows, popular discussions, street plays, quizzes, song-dance-dramas etc., in furtherance of the objectives of the Society.
- 1.5 To participate in trade fairs, exhibitions and other mass forums as well as to develop syndicated features and to contribute periodically to newspapers, magazines and journals in order to disseminate and create awareness on issues of science and technology.

- 1.6 To undertake the design, development and construction of models, exhibits and other relevant instruments for hands-on visual and other modes of communication.
- 1.7 To institute and award fellowships, stipends, prizes, medals and any other kinds of monetary incentives.

2.0 PROGRAMMES / ACTIVITIES DURING 2003-2004

2.1 Vigyan Prasar Information System (VIPRIS)

Vigyan Prasar Information System (VIPRIS) maintains a repository of S&T information that caters to the needs of specific groups by understanding the information needs and identifying the best mode of providing the required information. The specific groups include science communicators, teachers, students and the general public. Some of the activities are discussed below:

2.1.1 Vigyan Prasar Website:

VP's homepage www.vigyanprasar.com provides one stop window on science & technology information with emphasis to India. The website is being extensively utilized to popularize science & technology. The website is being continuously upgraded. Some of its main features are as follows:

- (i) Online Chat Sessions: The live chat sessions on VP's website have had a very good response. During the period, Vigyan Prasar conducted four chat sessions on the following topics: Respiratory Diseases and SARS; Joints & Bones - diseases and disorders; Blood in Health and Diseases; Health & Medicine. Eminent scientists and doctors like Dr. J.C. Suri, Dr. R.K. Chopra, Dr. Naresh Gupta, and Dr. Yatish Agarwal took part as experts in these sessions.



Dr. R.K. Chopra, answering queries on "Joints & Bones Diseases" in one of our chat sessions

- (ii) ComCom: There were twelve issues of this online popular science magazine that included interviews with leading scientists, feature articles on topical S&T subjects, S&T development stories.

- (iii) Other features on VP's website are Daily Science News, World of Science, S&T System in India, Children's Corner, Vigyan Prasar activities and so on.
- (iv) The twelve issues of 'Dream 2047' and 'VIPNET News' the monthly newsletters of VP were made available on the website. Dream 2047 is available (in pdf format) both in English and Hindi.

2.1.2 CD-ROMs:

2.1.2.1 VP has brought out an interactive educational CD-ROM on "**India in Space**". The CD contains nearly 500 pages of information on various aspects of development of Space Science & Technology in India. It provides interesting / inspiring information and achievements of the Indian Space Programme from the beginning to till date. The CD was released by Dr. Vasant R. Gowariker, Professor Satish Dhawan Distinguished Professor (ISRO) during the National Science Day function on February 27, 2004 at Technology Bhawan, New Delhi. The CD is available for distribution and is priced at Rs. 50/-.

2.1.2.2 An interactive CD-ROM containing all popular science articles published in **Dream 2047** from 1998-2002 has been brought out. The CD-ROM would be disseminated to individuals, schools and organizations, and is priced at Rs. 50/-.

2.1.3 Development of Websites:

Vigyan Prasar has undertaken the task of design and development of websites for six divisions of Department of Science & Technology. VP started with design and development of websites for NSTMIS and SERC divisions of DST and is presently maintaining and updating these sites. VP is continuing with the development of websites for STAC, Science and Society, International Division and DST's State

S&T Programme. The website of Science & Society division was launched in July 2003.

2.1.4 The database on S&T System in India is being updated.

2.1.5 Scientific experiments using PC :

Scientific Experiments using PC is a unique set up where students can perform various Scientific Experiments PC. Using this interface software to be installed, be used to measure resistance, temperature, intensity, time period of pH etc. The PC then can process control through mechanism.



using any Standard and associated any standard PC can voltage, current, light intensity, sound a pendulum, humidity, also be used for closed loop feedback

2.1.5.1 Upgradation of Software : Software for this interface has been upgraded to store data in database and can plot the graph. Animations are also incorporated to make the interface interesting and more informative Software help with search facility is now an integral part of the interface to guide the user as and when required.

2.1.5.2 Demonstration : All the experiments were demonstrated in a workshop on “Development of Virtual Laboratory and Real Time Measurement“ organized by National Council of Education Research and Training (NCERT) during 29 December 2003 to 02 January 2004 and were well appreciated.

2.1.5.3 Low Cost Kit: A low cost kit on Scientific Experiments using PC is under development, where the whole setup would be designed in a cost effective manner.

2.1.6 Following two projects were undertaken and successfully completed by B.E (Computer Science) and MCA trainees of VP as part of their curriculum. These were:

2.1.6.1 Image Processing with embedded message encryption :-To encrypt the cipher text embedded in a gray scale image. Plain text can be retrieved from image using a private key. This project is useful for data security in a networked environment.

2.1.6.2 Real time processing using PC: To create a software and hardware interface for real time measurement and processing

2.1.7 The **VIPRIS Clipset** is being regularly published and circulated. The VIPRIS Clipset is a compilation of news items/articles both in English and Hindi on science and technology, collected from 125 major newspapers/news magazines from around the country. During the year, twelve issues of Clipset were published.

2.1.8 Popular science lecture series: VP organized three popular science lectures, under



Dr. Naresh Gupta delivering a talk on "Anaemia - Causes, Effects and Remedies"

this programme. They are 'Respiratory Diseases and SARS' by Dr. J.C. Suri, Head, Department of Respiratory Diseases, Safdarjung Hospital; 'Anaemia- Causes, Effects & Remedies' by Dr. Naresh Gupta, Head, Department of Medicine, Ram Manohar Lohia Hospital; and 'Role of Science in Environmental Governance' by Dr. Sunita Narain, Director for Centre for Science & Environment, New Delhi.

2.2 Vigyan Prasar Newsletter "Dream-2047": VP's bilingual monthly newsletter "Dream-2047" has become quite popular amongst scientists, teachers and students. The present circulation stands at 30,000 and the number is growing steadily. **"DREAM 2047" was**

awarded Second Prize for Excellence in Publishing (for the year 2002-2003) in the category of Journals and House Magazines (Hindi) by the Federation of Indian Publishers. The award was given by Hon'ble Chief Minister of Delhi Ms. Sheila Dixit during World Book Fair at Pragati Maidan (16 Feb. 2004). The titles of the editorials and articles published in Dream-2047 during the period under review are listed below:

2.2.1 Editorials:

At War with SARS; A Hard Way to Software; Little Bumps under the Spreading Sky; A Jheel and a Lagoon; The Fizz and the Pesticides; The Challenge of AIDS; Vigyan Rail: Science Exhibition on Wheels; Venus Transit : A Rare Celestial Spectacle; The Journey Begins; Quest for Excellence; Roving on Mars; Internet : How it all began

2.2.2 Articles :

Thomas Alva Edison: The Wizard of Menlo Park; Fuzzy Logic; Omar Khayyam: The Genius who Stitched in the "Tents of Science"; Transits of Mercury and Venus; Louis Pasteur : A Great Benefactor of Humanity; Operation Zero; Turmeric; Albert Einstein: Founder of Theory of Relativity; Digital Convergence; The Making of Pi; Philo Taylor Farnsworth: The Forgotten Genius; Technology for All, Science for Some; Cloves; Daulat Singh Kothari: The Architect of Defence Science in India; Genetically Modified (GM) Products: Saviour or Scourge; Broadband Technology; Bricks of the Universe: Quarks, Gluons and Leptons; Birbal Sahni : Founder of Palaeobotanical Research in India; Cardamom: The Most Pleasantly Scented Spice; Carl Friedrich Gauss: Prince of Mathematics; Robert Hooke: The Greatest Experimental Scientist of the Seventeenth Century; You are Born with Your Password; Antoine Laurent Lavoisier: Founder of Modern Chemistry; MRI Miracle; Nobel Prize in Chemistry 2003; Saffron : The Most Precious and Most Expensive Spice in the World; Paul Adrien Maurice Dirac: The Unifier of Quantum Mechanics and Relativity Theory; Nobel Prize in Physics 2003; Coriander; Computers and Health; Vision Defects: Saying Bye-Bye to Spectacles Through Laser Eye Surgery; The Sun; The Wright Brothers: The Inventors of the first Power-driven Flying Machine; Fenugreek; Standing Tall: Maximize your height potential; Transits of Venus: The Expeditions; Robert

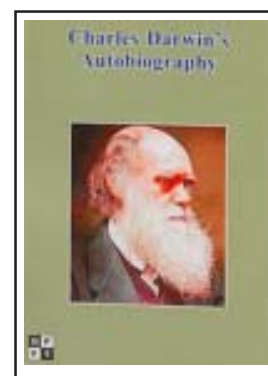
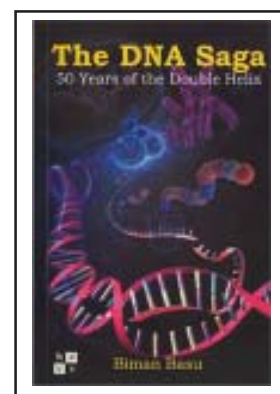
Boyle: Who Paved the Way for Modern Chemistry; Curry Leaf: An Authentic Indian Spice; Memory Mantras: Handy Tips to Better Recall; Venus Transits and the Astronomical Unit; Father Eugene Lafont : A Selfless Missionary of Science in India; Sivaraj Ramaseshan: A Life Dedicated to Science; The Little Secrets of Puberty.

2.3 Publication Programme :

The books published under the publication programme are well received by the readers and appreciated. The books are also reviewed in different newspapers, journals and magazines. There are some 125 titles published under different series of publication programme. The scope of VP's publications programme was expanded. Besides adding titles to the existing series, smaller books on a variety of S&T topics were planned. Publications brought out or under print during the year were as follows.

2.3.1 Publications brought out in English

- (i) The DNA Saga: 50 Years of Double Helix by Biman Basu
- (ii) Energy and Self-Reliance by Yona Friedman
- (iii) Environment and Self-Reliance by Yona Friedman and Eda Schaur
- (iv) A Stroll Through Space -Time by Rakesh Popli
- (v) On the Various Forces of Nature by Michael Faraday
- (vi) Charles Darwin's Autobiography edited by Francis Darwin
- (vii) Milestones in Science compiled by Divyanshu Rai Kohli
- (viii) Thumbprints by Arvind Gupta



2.3.2 Publications brought out in Hindi:

- (i) Mausam by Shyam Sunder Sharma
- (ii) Fermi Ke Prashna Ya Anuman Lagane Ki Kala by V. B. Kamble, translated in Hindi by Praveer Asthana
- (iii) Urja Aur Atmanirbharta by Yona Friedman
- (iv) Paryavaran Aur Atmanirbharta by Yona Friedman and Eda Schaur

2.3.3 Publications under Printing:

- (i) Music of Life by Prof. D. P. Burma
- (ii) Hindi translation of 'Why the Sky is Blue' by C. V. Raman
- (iii) Venus and its Transits by S. P. Pandya, J. N. Desai and S.R. Shah in Hindi, English & Gujarati
- (iv) Bicycle ki Kahani translated in Hindi by Arvind Gupta
- (v) Thumbprints by Arvind Gupta in Hindi
- (vi) Fun with Origami by V.S.S. Sastri
- (vii) A Stroll Through Space –Time by Rakesh Popli in Hindi

2.3.4 Vigyan Prasar continued dissemination of NCSTC publications and other software items including audio and video programmes.

2.4 Audio-Visual Productions:

2.4.1 VP-CEC Joint Production:

VP and Consortium of Educational Communication (CEC), UGC are jointly producing video programmes on senior scientists of the country. The production of a documentary film on Prof. A.R. Rao, a well known mathematician and science popularizer, is completed. Two other programmes on Prof. Raja Ramanna and Prof. Yash Pal are in different stages of production.

2.4.2 Radio Programmes:

Vigyan Prasar has produced and broadcast a number of radio programmes jointly with various stations of All India Radio in different parts of the country. The six programmes that were produced during the year are given below:

2.4.2.1 A 13-episode radio science serial on the theme of 'Bio-technology' (Tamil) was produced jointly with Tamil Nadu Science Forum and was broadcast from AIR, Madurai.

2.4.2.2 A 13-episode serial on the theme of 'Climatic Change' (Tamil) was produced jointly with Pondicherry Science Forum and was broadcast from AIR, Pondicherry.

2.4.2.3 A quiz programme (Hindi) was jointly produced in association with AIR, Lucknow and the programme was broadcast from Lucknow, Almora & Najibabad AIR stations.

2.4.2.4 A science quiz (Gujarati) was broadcast from AIR, Ahmedabad.

2.4.2.5 Production of science quiz radio programme (Hindi) was commenced in association with "Chetna" at Port Blair. The same would be broadcast through AIR Port Blair.

2.4.2.6 A 13-episode serial on the "Frontiers of Science" (English) has been produced in association with AVRC, Chennai.

2.4.3 WorldSpace Radio :

2.4.3.1 A regular production of radio programmes for WorldSpace Radio and FM station of Gyan Vani have commenced. Following programmes were

produced during the period under report. Each serial consisted of 13-episodes and was produced in Hindi & English.

- (i) World of Physics
- (ii) World of Computers
- (iii) World of Chemistry
- (iv) World of Life Sciences
- (v) Science and Technology in Ancient India
- (vi) Biographies of Scientists

2.4.3.2 The programme of conversion of audio programme into CD-ROM initiated by Vigyan Prasar was continued. All the audio programmes produced by VP are currently available in digital format.

2.4.3.3 Science Communication on Radio: VP has been broadcasting for one hour daily on EQUALACCESS channel of WorldSpace Radio (30 minutes Hindi and 30 minutes English). The broadcast of *Manav-ka-Vikas* had concluded in January 2004. Ever since, VP has been broadcasting programmes produced by itself. These programmes are also broadcast on Gyan Vani channel of IGNOU.

2.5 Kits and Toys

2.5.1 Venus Transit-An activity kit :

An activity kit built around the rare event of Venus Transit on 08 June 2004 was developed. The kit contains 18 different activities and solar filter to observe the transit safely. A total of 20000 kits were disseminated. The kit was also sent to VIPNET clubs.

2.5.2 Fun with Electronics kit:

A prototype of electronics kit containing 20 experiments on science has been developed. The operation manual for the kit is under preparation. This kit will be useful for students and electronics hobbyists.

2.5.3 Do-it-yourself programme on Electronics :

Do-it-yourself programmes on electronics were conducted in schools. The names of which are given below for triggering an interest in electronics:

- (i) DTEA Senior Secondary School, Lodhi Estate New Delhi.
- (ii) Bal Bharti School ,Ghaziabad, U.P.
- (iii) Mother's International School, New Delhi.
- (iv) Hindon Public School ,Sahibabad, U.P.

2.6 VIPNET (Vigyan Prasar NETWORK of Science Clubs)

2.6.1 The present membership of the Network stands at 4,909. The state-wise distribution of VIPNET Science Clubs is given below:

(1) Andaman and Nicobar	: 02	(2) Andhra Pradesh	: 82
(3) Arunachal Pradesh	: 04	(4) Assam	: 160
(5) Bihar	: 475	(6) Chandigarh	: 03
(7) Delhi	: 78	(8) Goa	: 15
(9) Gujarat	: 07	(10) Haryana	: 85
(11) Himachal Pradesh	: 16	(12) Jammu & Kashmir	: 62
(13) Karnataka	: 28	(14) Kerala	: 20
(15) Madhya Pradesh	: 1500	(16) Maharashtra	: 17
(17) Manipur	: 10	(18) Meghalaya	: 03
(19) Orissa	: 682	(20) Punjab	: 17
(21) Rajasthan	: 166	(22) Sikkim	: 37
(23) Tamil Nadu	: 105	(24) Tripura	: 44
(25) Uttar Pradesh	: 771	(26) West Bengal	: 486

2.6.2 VP has been organizing regular workshops / training programmes for clusters of VIPNET clubs enabling the club members to undertake different science popularization activities. Four workshops / training programmes were organised during the period; in place like Dhenkanal Orissa (02-03 June 2003); Guwahati, Assam (04-05 July 2003); Anantnag, Jammu & Kashmir (02-03 August 2003); Patna, Bihar.



A VIPNET workshop at Patna

2.6.3 VIPNET News, the monthly newsletter of VIPNET, is being regularly brought out.

2.6.4 VP has till date organised regional VIPNET workshops for Southern, Eastern and Central regions. The Northern zone regional workshop was organised at Kurukshetra (Haryana) in May 2003.

2.7 Amateur Radio (Ham Radio) Promotional Activities

2.7.1 Ham Radio Meet :

Three ham radio operators' meets were organized on April 27, 2003; July 20, 2003 and on October 12, 2003 respectively.

2.7.2 Lecture-cum-Demonstrations:

Five lecture-cum-demonstration programmes on ham radio were organized in the following places during the year:

- (i) Jamia Hamdard University on August 21, 2003, Delhi.
- (ii) Punjab State Council for Science & Technology in Chandigarh on October 1, 2003.



One of the Ham enthusiasts in a demonstration programme

- (iii) Vishwa Bharati Public School, Noida on November 21, 2003.
- (iv) Sardar Patel Vidyalaya, Lodhi Estate, New Delhi on December 16, 2003. Three VHF stations (VU2MUE, VU2UKR and VU3DJQ) equipped with Notebook computers were installed at different locations of the lecture hall and demonstrations of some of the new digital modes of communications were given.
- (v) Bharat Scouts & Guides Camping Ground, Nizamuddin on October 14, 2003.



2.7.3 A ham radio demonstration programme was organized at Lucknow Railway Station from January 9 to 13, 2004 on the occasion of the Vigyan Rail Mobile Science Exhibition at Lucknow. The demonstration and awareness programme was conducted with voluntary participation of the Hindustan Aeronautics Limited (HAL) Ham Club VU2LKO.

2.8 EDUSAT :

Development and Educational Communication Unit (DECU), ISRO and Vigyan Prasar (VP) jointly organized a number of consultative meetings in various parts of the country to discuss various aspects and issues related to the initiation of a science channel for India, and development and production of software. EDUSAT - a satellite for education, science & technology is scheduled to be launched by ISRO in 2004. The suggestions made at the regional meetings were discussed in a national level consultative meeting held on February 25, 2004 at New Delhi. The meeting was co-chaired by the Secretary, DST and Secretary, Department of Space (DOS) at Technology Bhawan, New Delhi, to discuss the action plan for the proposed Science Channel and to report on the progress made in evolving its structure and philosophy. Strategies for production of quality software was also discussed. It was suggested that initially a pilot project to be taken up, say, with two/three weekly

telecasts on DD1 for one year. DST and DOS may share the expenses related to running of the science channel in the ratio to be worked out by DECU and VP. The responsibility of production of software may also be likewise shared by DECU and VP.

2.9 Vigyan Rail :

Vigyan Rail - Science Exhibition on Wheels, a prestigious project of VP was successfully coordinated and implemented. The project was undertaken with the active participation of 18 Scientific Departments / Ministries/ Councils of Govt. of India. Vigyan Rail was flagged off by the former Prime Minister of India, Shri Atal Bihari Vajpayee on December 15, 2003, at a function organized at the Delhi-Safdarjung Railway Station. The train began its journey from Delhi on December 21, 2003 and covered 30 destinations till March 2004. It will move to total 60 stations all over the country and continue its run upto August 16, 2004. The Vigyan Rail received an overwhelming response from wherever it has gone.

During its entire journey, Vigyan Rail – Science Exhibition on Wheels would help people become aware of science and technology that has helped our country on its way to self reliance in the fields of agriculture and food production, medicines and pharmaceuticals, defence, space. At the same time, the exhibition focuses on the arduous path and the determined efforts of our scientists who have made it possible and immensely contributed to the social and economic growth of the country. In this sense Vigyan Rail – Science Exhibition on Wheels is the saga of Indian Science – from the early Vedic period till the modern times.

Visit to the Vigyan Rail is expected to expose our younger generation - especially the school children - to the thrill, challenges and opportunities a scientific career offers. The Vigyan Rail has received overwhelming response where ever it has gone in the country. Large number of students, children visited the exhibition and gained knowledge.

The Science Exhibition on Wheels was both a challenge and an opportunity. The preparations began nearly a year and a half ago. Concretization of the idea took another six months. The project document was discussed both internally and externally at length. The guidance and cooperation by the Ministry of Railways was exemplary. With the active



The Mascot



Former Prime Minister Shri Atal Bihari Vajpayee flagging off the Vigyan Rail at Delhi-Safdarjung Railway Station, New Delhi on 15 December 2003



Students attempting quiz at VP's kiosk in Vigyan Rail



Students waiting to visit Vigyan Rail at Tinsukia, Assam



Students at Dimapur, Nagaland queuing up on platform



Historic crowds - Vigyan Rail at Bareilly, Uttar Pradesh

Vigyan Rail - a few glimpses

participation from the 18 Ministries/ Departments, the entire exhibition train was ready before the flag off on December 15, 2003.

2.10 Mercury Transit :

Mercury transit is a relatively rare phenomenon that takes place only 13 to 14 times in a century. During the transit, the planet Mercury comes in between the Earth and the Sun, and when viewed through a telescope with a proper filter, a black dot appears to move across the disc of the Sun. On May 07, 2003, Mercury transit took place – the first transit of the 21st Century. This was an occasion to spread awareness about the celestial phenomena among the school children and the general public alike. Vigyan Prasar organized an awareness programme on Mercury transit at Technology Bhavan, New Delhi, on this day.

2.11 Mars: Closest Approach to Earth

As part of science popularization activities of VP, Mars shows coinciding with closest approach of the planet Mars to Earth in August 2003 was conducted in various parts of Delhi. In addition to lectures, viewing of Mars through telescope was also organised.

2.12 Venus Transit:

The Transit of Venus, an extremely rare celestial event is scheduled to take place on June 8, 2004. A national campaign on S&T popularization was envisaged and conceptualized. Vigyan Prasar has taken an initiative to popularize S&T in general and astronomy in particular with activities built around this event. The programme is formulated along the pattern of the Total Solar Eclipse campaigns undertaken in 1995 and 1999. The activities planned by VP are outlined below, some of which have already been undertaken:

2.12.1 Two video programmes on the theme of Transit of Venus was commissioned and would be produced by Vigyan Prasar in Hindi titled “Shukra Paragaman” and “Khoj Khagol Ekai Ki”.

2.12.2 Development of a multimedia CD on Transit of Venus is underway.

- 2.12.3** A CD containing power point slide presentation of Transit of Venus was developed in-house. The slide presentation were on the themes of the Transit of Venus; In Quest of Astronomical Unit; Venus Transit Expedition, Sun; Eye & Vision. The same was distributed to participants of four regional workshops organized jointly by VP & NCSTC.
- 2.12.4** An activity kit on Transit of Venus was designed and developed by Vigyan Prasar. The activity kit consisted of 18 activities, a solar filter and a colourful and information rich poster.
- 2.12.5** VP brought out a series of four articles on Venus transit in *Dream 2047* to be used as resource articles.
- 2.12.6** Four zonal training programmes for Master Resource Persons of various States and Union Territories have been planned jointly with NCSTC. The first Master Resource Persons' training programme for the Southern zone was organized at Hyderabad on March 18-19, 2004. The participants were given an activity kit on Venus transit, resource articles published in *Dream 2047* and a CD with 6 slide shows. Training programmes for East, West and North zones would be organized during April-May 2004 at Guwahati, Mumbai and Shimla respectively.

2.13 Audio Science Channel - an Initiative:

With a view to utilize the upcoming technology of digital satellite radio, VP has been contemplating the possibility of an audio science channel on the WorldSpace satellite digital radio system. A dedicated digital audio channel on the WorldSpace would go a long way in communicating Science and Technology to the citizens of our country. To discuss the possibility of mounting a full-fledged audio science channel on the WorldSpace satellite system, modalities, production of software, financial responsibilities etc., a coordination meeting with Ministries / Departments dealing with different aspects of S&T was organised at Department of Science and Technology, Technology Bhavan on 24 March 2004. Vigyan Prasar, IMD and WorldSpace Corporation made presentations during the meeting.

Participants from different Ministries and Scientific Departments were present in the meeting. The meeting was Chaired by Prof. V.S. Ramamurthy, Secretary, DST. In general, there was an agreement to go ahead with the proposed audio science channel on WorldSpace radio, making use of its advanced features to receive audio programmes along with visuals. The software produced could also be utilized for INSAT 3C and EDUSAT audio channels.

2.14 Vigyan Prasar in Print Media:

2.14.1 Articles on various aspects of S&T have been published in several newspapers and magazines, especially small town and remote areas of Madhya Pradesh, Rajasthan and Uttar Pradesh. Articles have also been published in regional languages like Bangla, Tamil, Oriya etc.

2.14.2 Vigyan Prasar is contributing a regular column on Science Quiz to 'Civil Services Chronicle' (Hindi) and 'Civil Services Chronicle' (English), and Chanakya (Hindi) monthly magazines.

2.14.3 VP contributed articles to the "World of Science" column of Employment News.

2.15 Workshops, Seminars, Surveys, Book Fairs and Exhibitions:

2.15.1 Seminars:

2.15.1.1 VP organised a three-day seminar on "Science Popularisation in South Indian Languages" in association with the International Institute for Tamil Studies during May 21-23, 2003 at Chennai.

2.15.1.2 A two-day seminar on "Status of Science Communication in West Bengal and Tripura" was conducted by VP in Kolkata on 08-09 September 2003.

2.15.1.3 A National Seminar on “Science Popularization in Indian Languages” was organized by Vigyan Prasar during 18-19 September 2003 at New Delhi.

2.15.1.4 A seminar on "Hindi Mein Vigyan Lekhan" was held on 21-22 March 2004 at Bal Bhawan, New Delhi where Dr. V.B. Kamble, Dr. Hari Krishna Devasare and Dr. S. Mahanti delivered talks on topics related to science popularization.



*Science Popularisation in Indian Languages:
Prominent personalities attending the
National Seminar in IIC, New Delhi*

2.15.1.5 VP participated in a seminar/training programme on Disaster Mitigation organised by National Environmental Science Academy (sponsored by NCSTC) at Jamia Hamdard University, New Delhi on August 21, 2003 and delivered a presentation on ‘Role of Ham Radio in Disaster Communication’. A practical demonstration of Ham Radio Digital communication technique and long distance voice communication was given to the NCC/NSS volunteers.

2.15.2 Exhibition:

VP participated in Vishwa Science Expo-2003 Science Exhibition on August 28, 2003 at Vishwa Bharati Public School (NOIDA) .

2.15.3 Book Fairs :

VP participated in Almora Book Fair organized by DST during 22-25 May 2003; Delhi Book Fair during 23-31 August 2003 and World Book Fair during 14-22 February, 2004 at New Delhi.

2.15.4 Release of Activity Kit and CD-ROMs:

On the occasion of National Science Day celebrated on 27 February 2004 at Raman Auditorium, DST. The CD-ROM on INDIA IN SPACE and the activity kit on 'Transit of Venus' were released by Dr. Vasant R. Gowariker, Professor Satish Dhawan Distinguished Professor (ISRO), Chief Guest of the function.

2.16 Awards and Achievements:

2.16.1 Shri M. V. Kamath, President, Vigyan Prasar Society, has been conferred Padma Bhushan by Government of India for the year 2004 for his services to the nation.

2.16.2 Dr. Subodh Mahanti, Scientist 'F' VP received the NCSTC National award for best efforts in Science & Technology coverage through Mass Media. The award was conferred on him by Dr. R. Chidambaram, Principal Scientific Advisor, Govt. of India on 27th February 2004 at National Science Day celebration.



Dr. Subodh Mahanti receiving the National Award on National Science Day

2.16.3 Vigyan Prasar Hindi Publication "Khile Matritva Goonje Kilkarian" was awarded First Prize for Excellence in Publishing (for the year 2002-2003) in the category of Scientific/Technical/Medical Books (Hindi) by the Federation of Indian Publishers. The award was given by Hon'ble Chief Minister of Delhi, Ms. Sheila Dixit during World Book Fair at Pragati Maidan (16 Feb. 2004).

2.16.4 Vigyan Prasar's monthly bilingual (Hindi+English) newsletter "DREAM 2047" was awarded Second Prize for Excellence in Publishing (for the year 2002-2003) in the category of Journals and House Magazines (Hindi) by the Federation of Indian Publishers. The award was received from Hon'ble Chief Minister of Delhi Ms. Sheila Dixit during World Book Fair at Pragati Maidan (16 Feb. 2004).

3.0 PROPOSED ACTIVITIES FOR THE YEAR 2004-2005

- VP would continue to produce and broadcast radio and television programme jointly with AIR and Doordarshan Kendras from different parts of the country. Gyan Vani Channel of IGNOU also would be utilized for the purpose.
- Video Serials on a variety of topics on S&T would be produced.
- The scope of Vigyan Prasar homepage (www.vigyanprasar.com) will be expanded.
- Many more publications in Hindi and in other Indian languages would be brought out.
- The activity of science clubs would be further strengthened by establishing nodal clusters.
- Utilization of WorldSpace Digital Radio for science & technology communication / popularisation and networking of VIPNET Science Clubs through WorldSpace Radio. Software for WorldSpace would be produced.
- VP would continue with the Ham Radio activity in schools / colleges. VP would put in efforts to establish a few ham radio stations in the regions / areas prone to natural calamities / disasters.
- VP would continue to organize workshops / seminars and participate in book fairs and exhibitions in different parts of the country.
- Development of databases on popular science topics like atomic energy, biodiversity, environment, etc. would be taken up.
- Programmes on astronomy related activities would be launched.
- Activities initiated during the previous year would be continued and strengthened.
- Vigyan Rail – Science Exhibition on Wheels will continue till 16 August 2004.
- A national campaign will be launched for popularization of S&T with activities built around the transit of the planet Venus on June 08, 2004. A variety of software would be produced. Several activities have been planned and initiated.

- With a view to utilize the upcoming technology of digital satellite radio, VP has been contemplating the possibility of an audio science channel on the WorldSpace satellite digital radio system.
- VP and ISRO would be partners in launching and managing of the Science Channel to be beamed by EDUSAT – a satellite for Education, Science & Technology to be launched by ISRO in 2004. VP will also be responsible for production of software alongwith ISRO.
- VP would continue to broadcast on radio S&T communication programmes on WorldSpace digital satellite radio and Gyan Vani channel of IGNOU. On WorldSpace, in particular, VP would continue to broadcast every day for 1 hour – 30 minutes in Hindi and 30 minutes in English.
- VP would produce 3-4 TV programmes on various aspects of Science & Technology.
- VP would publish about 10-12 titles under its publication programme.
- *Dream - 2047* circulation is expected to cross 35000.
- VP has at present 4909 clubs as members of Vigyan Prasar Network of Science Clubs. This number is expected to go up by about 1000 next year.

4.0 IMPLEMENTATION OF THE OFFICIAL LANGUAGE POLICY

4.1 Vigyan Prasar consciously tries to bring out publications in Hindi. The following publications in Hindi were brought out:

- (i) Mausam by Shyam Sunder Sharma
- (ii) Fermi Ke Prashna Ya Anuman Lagane Ki Kala by V. B. Kamble, translated in Hindi by Praveer Asthana
- (iii) Urja aur Atmanirbharta by Yona Friedman
- (iv) Paryavaran Aur Atmanirbharta by Yona Friedman and Eda Schaur

4.2 Vigyan Prasar's Newsletter 'Dream-2047' is being brought out in Hindi

4.3 VIPNET started its newsletter, VIPNET News, in 1998 with a view to reach the VIPNET clubs with activities and news and information. It has been converted to a bilingual monthly newsletter (Hindi & English) since February 2003.

4.4 The Hindi versions of following titles are under printing :

- (i) Venus and its Transits by S. P. Pandya, J. N. Desai and S.R. Shah
- (ii) Bicycle Ki Kahani by Arvind Gupta
- (iii) Thumbprints by Arvind Gupta
- (iv) A Stroll Through Space –Time by Rakesh Popli
- (v) 'Why the Sky is Blue' by C. V. Raman.

4.5 The guidelines stipulated in the Official Language Policy with regard to correspondence, files, letterheads, visiting cards, etc. are being strictly followed.

5.0 GENERAL AND GOVERNING BODY MEETINGS

5.1 General Body

5.1.1 The Fourteenth General Body meeting was held on 15 September, 2003, at Technology Bhawan, New Delhi under the chairmanship of its President Shri M.V. Kamath.

5.2 Governing Body

5.2.1 The Twenty Third and Twenty Fourth Governing Body meetings were held on 10 April 2003 and 15 September, 2003 respectively, at Technology Bhawan, New Delhi under the Chairmanship of Prof. V.S. Ramamurthy, Secretary, DST, and Chairman, Governing Body, VP.

5.2.2 The Thirteenth meeting of the Finance Committee was held on 04 September 2003, at Technology Bhawan, New Delhi.

5.2.3 It was also resolved by the Governing Body to carry over the unspent balance of Rs. 3,27,755.60 as on 31.03.2004 to the next financial year 2004-2005.

5.3 Visit of Parliamentary Committee

The second sub-committee of Parliamentary Committee on official languages visited VP on 28 June 2003 and inspected the adherence of VP to the official language.

5.4 HRD Programmes undertaken

NIL

5.5 Finance

5.5.1 Action taken on Auditor's Report:

Necessary action taken.

5.5.2 Steps taken or visualised for internal mobilisation of resources:

Sale of software/books/slide-sets/cassettes and receipts on this account, accounted for in the books.

5.6 Number of patents filed/Technology transferred for commercial use

One patent has been filed for 'Visual Book'.

6.0 ANNUAL ACCOUNTS

- Annexure-I : Manpower, Budget & Facilities Available
- Annexure-II : Auditors' Report for the year ended on 31st March 2004.
- Annexure-III : Compliance Report on the observations raised by the Auditors.

Annexure-I

1. MANPOWER

1.1 Status of SC/ST/OBC Reservation

The initial process of creation of posts in VP has been completed. Now, Vigyan Prasar is in the process of inducting regular staff. In pursuance of the instructions of the National Commission on Scheduled Caste/Scheduled Tribes and OBC, it will be our endeavour to take all necessary steps and actions that need to be taken.

1.2 Personnel Profile

Group	No. of Scientific/ Technical Personnel	Academic Qualification of the existing Staff	Administrative/ Secretarial
A	i) 3*	M.Sc./M.A., Ph.D	2
	ii) 6	M.Sc/M. Tech/MBA	
B	Nil	-	Nil
C	1	BE (Printing Engg)	i) 5
			ii) 3**
D	Nil	-	i) 3
			II) 1**

** (Through Service Agency)

* Note: Presently Dr. V. B. Kamble, Scientist 'G', DST, is the Acting Director of Vigyan Prasar.

2. Budget

Grant of Rs. 200.00 lakhs was released by DST and an amount of Rs.27,81,027.50 was carried over from the year 2002-2003 to 2003-2004 to continue the activities of Vigyan Prasar. The actual amount spent during 2003-2004 was Rs.2,27,81,027.50.

3. Facilities Available

- * A generator set of 10KVA was installed.
- * Three CD writers
- * An electronics lab for development of inexpensive electronic kits for promotion of electronics as a hobby.
- * DTP system for VP publications.
- * Scanners, Colour printers, Digital camera, Web Camera, Video Camera.
- * E-mail, FAX and INTERNET.
- * Computer systems for maintaining databases, and work on VIPRIS, homepage, publication, accounts, stores etc.
- * LCD Projector

Annexure-II

BINDAL GOEL & CO.
Chartered Accountants

2/21, ANSARI ROAD,
DARYAGANJ,
NEW DELHI - 110 002
Phone: 3260785

AUDITOR'S REPORT

We have examined the Balance Sheet of VIGYAN PRASAR, NEW DELHI as at 31st March 2004 and the Income & Expenditure Account along with Receipt & Payment Account for the period ended on that date which are in agreement with the books of accounts maintained by the said society.

- a) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of audit.
- b) In our opinion, proper books of account have been kept by the Society so far, as appears from our examination of the books.
- c) In our opinion and to the best of our Information and according to information given to us, the said accounts, give a true and fair view :-
 - i) In the case of the Balance Sheet of the state of affairs of the above named Society as at 31st March 2004, and
 - ii) In the case of Income & Expenditure Account of the excess of income over expenditure of its accounting year ending on 31st March 2004.

For Bindal Goel & Co.

Sd/-
HARI OM AGARWAL (Partner)
Chartered Accountants

Place : New Delhi
Date : 26.07.2004

BALANCE SHEET

Vigyan Prasar
Annual Report



BALANCE SHEET



Vigyan Prasar
Annual Report

BALANCE SHEET



BALANCE SHEET



Vigyan Prasar
Annual Report

BALANCE SHEET

Vigyan Prasar
Annual Report



Income & Expenditure



Vigyan Prasar
Annual Report

Income & Expenditure

Vigyan Prasar
Annual Report



Income & Expenditure



Vigyan Prasar
Annual Report

Income & Expenditure

Vigyan Prasar
Annual Report



Income & Expenditure



Vigyan Prasar
Annual Report

RECEIPTS & PAYMENT

Vigyan Prasar
Annual Report



RECEIPTS & PAYMENT



Vigyan Prasar
Annual Report

Sub: Compliance Report on the Notes on Accounts and Accounting Policies made by the Auditors in the audit of the accounts of Vigyan Prasar for the Financial Year 2003-2004

SCHEDULE - 13

Notes on Accounts and Accounting Policies: 2003 - 2004 **Vigyan Prasar's replies**

- | | |
|---|---|
| 1. Accounts have been prepared in accordance with applicable mandatory Accounting Standards. The Society has maintained books of accounts on accrual basis except no provision has been made for Leave encashment and Gratuity of employees. Salary of Regular Staff and Auditors Remuneration has also been accounted for on cash basis. Advances of Rs. 6,32,002.00 given for various programmes/activities have not been adjusted due to non-receipt of adjustment accounts. | As regards provisions for payment of leave salary encashment and gratuity, it is stated that the payment of these elements are being made from recurring expenditure made under Plan head. Advances given to the institutions/ organisations for various programmes / activities to be undertaken by them on behalf of VP will be adjusted on receipt of adjustment accounts. |
| 2. Depreciation is provided on written down value method as per the rates specified in the Income Tax Act 1961 except in the case of library books which is provided @20% on WDV. | No remarks |
| 3. Various expenditures incurred for publication of Books like payment to authors, printers and consultants etc. have been debited to Income & Expenditure Account under respective account heads. Memorandum Stock Register of these books have been maintained. However, stock of these Books have not been shown in the Balance Sheet. It has been explained that the credit for the same will be accounted in the books on cash basis on realization. | The stock of books has been maintained. |

4. Details of prior Expenditure are as follows: No remarks
- | | | |
|-------------------------|----------------------------|--|
| (i) Translation | Rs. 4,345/- | |
| (ii) Stipend/internship | Rs. 5,000/- | |
| (iii) VIPNET Newsletter | Rs. 30,820/- | |
| (iv) Royalty | Rs. 13,177/- | |
| (v) Advertisement | Rs. 7,935/- | |
| (vi) R&M of Photocopier | Rs. 2,856/- | |
| (vii) Printing | Rs. 5,500/- | |
| (viii) Telephone | <u>Rs. 510/-</u> | |
| TOTAL | <u>Rs. 70,143/-</u> | |
5. Closing Stock of slides and components of Rs. 246028.50 as on 31.03.2004 is valued and certified by the management. No remarks
6. Figures for previous year have been regrouped / rearranged wherever necessary. No remarks