Indian Journal of History of Science, 32(2), 1997

NEWS

Project approved/renewed by the Indian National Commission for History of Science for the year 1997-98.

Ancient Period

1. Numismatics and Technology (History of Technology for Coin making in India) by Shri A.K. Jha, Patna.

2. Iron Metallurgy and Industry in Ancient Tamil Nadu by Dr. B. Sasisekaran, University of Madras, Madras.

3. Ancient Star Catalogue by Dr. George Abraham, Madras Christian College, Madras.

4. English Translation of *Dhanvantari Nighaṇṭu* by Dr. R.N. Singh, Lucknow Ayurveda College, Lucknow.

5. New Light on Pre-Siddhantic Astronomy by Professor K.D. Abhayankar, Hyderabad.

6. Ancient Metal Technology in India, Thailand and Japan by Professor D.P. Agarwal, Ahmedabad.

7. Glossary of scientific and Technological terms in Tamil Inscriptions (900-1300 AD) by Professor K.V. Raman, Madras.

8. Works of some eminent Indian Mathematicians with special reference to Mādhava's work by Dr. M.R. Adhikari, Department of Mathematics, Burdwan University, West Bengal.

9. Reevaluation of Ancient Indian Veterinary Science literature on Equines by Professor S.K. Kalra, G.C. Prasad and S.K. Misra, Haryana Agricultural University, Hisar.

10. *Bhela Saṃhitā* An English Translation with notes by Professor Jyotir Mitra, Banaras Hindu University, Varanasi.

11. The Concept of Marma and its Scientific Application by Professor A.N. Sharma, BHU, Varanasi.

12. Early Indian Coins : Investigations of Chemical Composition by Dr. Nisar Ahmed, BHU, Varanasi.

*13. Search for Historical references to sighting of the Crab supernova of 1054 AD by Professor Jayant V. Narlikar, Pune.

*14. A detailed Study of Bhānumati Commentary by Cakrapāṇidutta along with English Translation by Dr.. L.D. Dwivedi, BHU, Varanasi.

*15. A Critical Edition and English Translation of Vṛnda Mādhava Parnāma Siddha yogaḥ by Professor (Ms) P.V. Tewari, Varanasi.

*16. Subjectwise Classification and English Translation of Contents of Prakṛta Canonical Text (up to 5th Century AD) both prominent Digambara and Svetambara Texts by N.L. Jain, Rewa.

*17. A Critical Study of Brahmagupta's Brrahmasphuṭa Siddhānta by Professor B. Basu, The Ramakrishna Mission Institute of Culture, Calcutta.

*18. Traditional Methods and Present Status of the Bead Making and Pearl and Chank Diving in Tamil Nadu by Dr. K. Rajan, N. Athiyamanan and P. Jayakumar, Thanjavur, Tamil Nadu.

*19. The Scientific Method in Indian Thought by Dr. S.M. Bhave, Pune.

*20. Varāhamihira and Indian Science (Non Astronimical) by Professor Ajay Mitra Shastri, Nagpur.

*21. Kautilya's Arthaśāstra in the Light of Modern Science and Technology by Sunil Behari Sen Sarma, Calcutta.

Medieval Period

22. Critical Study, Edition and Translation of *Rasa Prakāśa Sudhākara* by Dr. D. Joshi, BHU, Varanasi.

23. Descriptive Catalogue of Arabic Persian Manuscript Sources in Science by Professor Noorul Hasan Khan, Professor S.M.R. Ansari and Shri S.A. Khan Ghori, AMU, Aligarh.

24. Catalogue of Manuscripts on History of Science from the Collection of L.D. Institute of Indology, Ahmedabad by Dr. K.V. Seth and Dr. S. Andhare, Ahmedabad.

25. Some Aspects of Traditional Utilitarian Architecture by Professor R.J. Vasavada, AIIA Polytechnic, Ahmedabad.

26. A Critical Scientific Analysis of Select Maru-Gurjara Architecture by Shri Bakul Jani, Ahmedabad.

27. The Science and Arts of Calligraphy and Paintings by Dr. S. Andhare, Ahmedabad.

28. English Translation of *Camatkāra Cintāmaṇi* of Lolimbarāja by Dr. Nirmal Saxena, Bareilly.

29. The Study of Various Materials Described in *Ansubodhinī* of *Maharṣi* Bhāradvāja by Professor P. Ramachandra Rao, Jamshedpur.

30a. The Traditional Naval Architecture and Impact of European Influence (16th to 18th Century AD) by Professor G.V. Rajamanickam, Thanjavur.

b. Navigation-European Influence on Traditional Shipping by Professor K.M. Mathew, Pondicherry.

*31. *Kaiya Dev Nighaṇṭu* English Translation with Scientific Commentary by Dr. N.G. Bandyopadhyay, Patna.

Modern Period

32. History of Pharmaceutical Development in India during the last two centuries by Professor Harkishan Singh, Chandigarh.

33. History of Calendars of East-Asian countries by Comdr. S.K. Chatterjee, Ramana Kendra, New Delhi.

34. History of Nutrition Research in India by Dr. B.S. Narasinga Rao, National Institute of Nutrition, Hyderabad.

35. Lafont, Sircar and the 19th Century Science Movement by Professor A.K. Biswas and Dr. (Ms) Sulekha Biswas, The Asiatic Society, Calcutta.

36. Science and Environment in India in the Age of Imperialism : A Hand Book of Source Materials by Dr. Satpal Sangwan, NISTADS, New Delhi.

37. Popular Perceptions of Science in Colonial Tamil Nadu C. 1890-1940 by Professor S. Bhattacharya, JNU, New Delhi.

38. Jnana Chandra Ghosh : Scientist, Educator and Administrator by Dr. P.K. Basu, IIT, Delhi.

39. Preparation of a book entitled "History of Biological Science" by Professor B.M. Johri, Delhi.

*40. Formative Years of Space Research in India : An Oral History by Dr. D. Veeraghavan, Professor S. Arunachalam and Shri V.R. Muraleedharan, Madras.

*41. Science and Nationalism in Bengal 1876-1947 by Professor C.B. Palit, Calcutta.

*42. English Translation of Gujarati Book *Life and Works of Botanist Jaykrishnabhai* by Dr. J.J. Shah, Vadodara.

*43. Botanical Archives of India by Dr. S.K. Jain, Lucknow.

*44. History of Indian Council of Medical Research and Its Institutes by Dr. S. Sriramachari, New Delhi.

*45. Updating and Editing of the project entitled the Development of Mathematical Science in India during the 20th Century" by Professor J.N. Kapur, New Delhi.

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* New Projects

International Indo-Portugese History Seminar on Discoveries : Science, Technology and Culture

The Indian National Science Academy will be hosting a five day International Indo-Portugese History Seminar on Discoveries : Science, Technology and Culture on 7-11 December, 1908 at its premises in Delhi under the guidance of the Indian National Commission on History of Science. About 60 Indian and Foreign participants are expected to attend. The five major areas recommended for the seminar are :

Session A : The Era of Prince Henry

Seminar voyages of Discovery
Sources of the Sultanate period :
Indo-Portugese consonances

Session B : India and the Christian Missionaries

India and the Latin America in the Discovery period
Discoveries and Scientific Temper
New Techniques in Botany, Innovation in Medicine

Session C : Science and Technology

Astronomical Navigation
Physical Geography & Cartography
Direction fixation-Latitude and Longitude
Navigational Instrumentation
Ship-building

Session D : Cultural Interaction

Changes in Food & Food habits
Indo-Portugese Architecture (Structural aspects)

Session E : Plenary Session

Scholars/Experts interested in the seminar may send their abstract (approximately 500 words) along with a copy of their brief biodata (less than 200 words) to the Coordinator, History of the Science Programme, Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi-110 002 for consideration.

Publications on History of Science

Indian Journal of History of Science

Editor : S. Sriramachari; Periodicity-Biannual since 1966, Quarterly since 1983. Rs. 250.00; $ 135.00 (Annual Subscription)

Published under the guidance of the Indian National Commission for History of Science. Devoted to studies and researches in various fields of ancient, medieval and modern science in historical perspective, and an interesting forum for scientists, historians, sociologists, indologists and philosophers for exchange of their ideas on the evolution and characteristics of scientific concepts and technological advances.

Caraka Saṃhitā (A scientific synopsis) by P. Ray and H.N. Gupta, 1965; Second Edition, 1980, Rs. 30.00; $ 10.00.

A renowned medical treatise of Ancient India, prior to Galen; Contains Synoptic survey on authorship, date of composition, scope sub-division of the treatise, concepts and theories, physiological process health and longevity, physicians in diagnostic methods of treatment including surgery, poisons, physio-chemical processes, classifications, and twenty tables including bibliography & index.

A Bibliography of Sanskrit Works in Astronomy and Mathematics by S.N. Sen, A.K. Bag and S.R. Sarma, 1966, 20.00, $ 5.00.

A bibliography of primary source materials along with their place of availability, secondary studies, commentaries made on the sources etc. indispensable for the study of history of Astronomy and Mathematics in ancient and medieval India.

****Some Aspects of Pre-historic Technology in India*** by H.D. Sankalia, 1966, Rs. 10.00; $ 2.50.

Deals with the development of technology during pre-historic times.

Fatullah Shirazi by M.A. Alvi and A. Rahman, 1968, Rs. 2.30; $ 0.33.

The book presents an interesting reading of the life and works of Fatullah Shirazi, a sixteenth century Indian Scientist of remarkable versatality.

Jahangir, the naturalist by M.A. Alvi and A. Rahman 1969; Reprinted 1989, Rs. 75.00.