

INDIAN JOURNAL OF HISTORY OF SCIENCE

ANNUAL CONTENTS: VOL. 46.1-4 (2011)

Vol. 46.1 (2011)

Possible Chronological Markers in Vedic Texts P Gondhalekar	1
Dhruva the Ancient Indian Pole Star: Fixity, Rotation and Movement RN Iyengar	23
Genesitic Roots and Philosophical Evolution of <i>Vijñānavāda</i> (<i>Yogâcārya</i>) School of Buddhism OP Jaiswal	41
Computation of \sqrt{N} : A Modern Generalization of Ancient Technique Vinod Mishra	49
Arrival of Western Medicine: Âyurvedic Knowledge, Colonial Confrontation and its Outcome Jayanta Bhattacharya	63
Science in the Path of Syncretism Arun Kumar Biswas	109
Historical Notes	
Indian Renaissance: The Making of Modern India Sisir K Majumdar	131
<i>Sudoku Yantra</i> SR Sarma	155
Book Review	
C K Raju, <i>Cultural Foundations of Mathematics: The Nature of Mathematical Proof and the Transmission of the Calculus from India to Europe in the 16th c. AD</i> Probir K Bandyopadhyay	159
Project Reports	
A Historical Study of Epilepsy from 1900-2005 AD Arun Kumar Sethi	167
1960-1999: Four Decades of Biochemistry in India Srabani Sen	173
News	
Workshop on History of Numerical Tables, 22-23 March, 2010, Paris Agathe Keller and Clemency Montelle	181
Seminar Report on Health & Healing Practices in Colonial India: Continuity and Changes Shabnam Shukla	185

(ii)

Supplements

- Kuṭṭākāraūromāṇi of Devarāja* —Sankrit Text with Eng. tr., Notes and Appendices (Intro. & Sanskrit Text Chap. 1) S1-S36
Takao Hayashi
- Madhyamānayanaprakāraḥ : An Unknown Manuscript ascribed to Mādhava* with Eng. tr. & Notes T1-T29
UKV Sarma, Venketeswara Pai et al.

Vol. 46.2 (2011)

- India's Contribution to Arab Mathematics 189
Khalil Jaouiche
- George Peacock's *Arithmetic* in the Changing Landscape of the History of Mathematics in India 205
Agathe Keller
- Situating the History of Indian Arithmetical Knowledge in George Peacock's *Arithmetic* 235
Dhruv Raina
- Peacock's *Arithmetic*: An Attempt to Reconcile Empiricism to Universality 251
Marie-José Durand-Richard

Historical Notes

- Rabindranath's Thoughts on Science : An Overview (A Tribute in his 150th Birth Anniversary) 313
Sisir K Majumdar
- Inscriptions as Records of Celestial Events 335
B S Shylaja and Geetha Kydala

Book Review

- Kim Plofker: *Mathematics in India* 345
A K Bag

Project Reports

- Tribal Technology of Northeast India: Arunachal Pradesh 355
Amrendra Kumar Thakur
- Evolution of Three Premier Cancer Institutes of India – TMC, CNCI & CIWIA — An Assessment 363
Sukta Das

News

- Magic Square for 2011 371
S R Sarma
- Conference on: Otto Neugebauer, A Mathematician's Journey Between History and Practice of the Exact Sciences— A Report 373
Toke L Knudsen

VIIth Investigators' Meet on History of Science Projects, New Delhi — A Report Shabnam Shukla	377
Supplements	
<i>Kuṭṭākāraśiromaṇi of Devarāja</i> —Sankrit Text with Eng. tr., Notes and Appendices (Sanskrit Text Chaps. 2&3) Takao Hayashi	S37-S80
Vol. 46.3 (2011)	
Ancient Indian Iron and Steel: An Archaeometallurgical Study B Prakash	381
The Pulsating Indian Epicycle of the Sun Anil Narayanan	411
Rammohun Roy, His Intellectual Compatriots and their Scientific Contributions Arun Kumar Biswas	427
R.G. Chandra: A Self-taught Sky Watcher and his Contributions to Observational Astronomy Sudhindra Nath Biswas, Utpal Mukhopadhyay & Saibal Ray	483
Historical Notes	
Kali Chronograms of Nārāyaṇa Bhaṭṭatiri (15 th -17 th Centuries AD) R C Gupta	517
Acharya Prafulla Chandra Ray: A Scientist, Teacher, Author and a Patriotic Entrepreneur Sisir K Majumdar	523
Book Review	
Harkishan Singh: <i>Pharmaceutical History of India</i> B N Dhawan	535
Project Reports	
A Study of Devarāja's <i>Kuṭṭākāraśiromaṇi</i> Saroj V Singh	539
History of Technical Education in India: 1900-2005 Samir Kumar Saha	551
News	
Maritime Cultures and Traditions of Bay of Bengal Shabnam Shukla	569

(iv)

INDIAN JOURNAL OF HISTORY OF SCIENCE

Supplement

Kuṭṭākāraśiromaṇi of Devarāja —Sanskrit Text with Eng. tr., S81-S108
Notes and Appendices (Chap. 1 Eng. Tr. and Notes)
Takao Hayashi

Vol. 46.4 (2011)

Ancient Indian Astronomy and the Aryan Invasion Theory 573
T R S Prasanna
Health Aspects in *Pañcatantra* 611
Bandi Venkateshwarlu and Ala Narayana
Mahāvīra – Pherū Formula for Surface of a Sphere and some other 639
Empirical Rules
R C Gupta

Historical Notes

Kadambini Ganguli (1861-1923): First Lady Medical Graduate in India 659
Sisir K Majumdar
Trend of Geometrical Researches in Calcutta University: 1881-1931 663
Purabi Mukherji and Mala Bhattacharjee

Book Review

Jagdish N Sinha: *Science, War and Imperialism: India in the Second World War* 673
Mahendra Prasad Singh

Project Reports

Evolution of Ayurvedic Ophthalmology in Ancient and Medieval India: A Critical Study 677
Vijaya Jayant Deshpande
Catalogue of Forge welded iron Cannons in Western Maharashtra 683
P P Deshpande, Sachin Joshi and Shivendra Kadgaonkar

News

Seminar on History of Science and Technology in 20th century India — A Report 695
Madhvendra Narayan
Corrigendum 701
Books Received for Review 2010-11 702

Supplement

Kuṭṭākāraśiromaṇi of Devarāja —Sanskrit Text with Eng. tr., S109-S166
Notes and Appendices (Chap. 2 Eng. Tr. and Notes)
Takao Hayashi

Cumulative Index: Vol. 46.1-4 (2011)

Annual Contents: Vol. 46.1-4 (2011)