

GANITA BHĀRATĪ

Contents Pages Vol. 1-27

VOLUME 27 (2005)

NUMBERS 1-4

R.C. GUPTA

Ancient Egyptian Pyramids, Pyramidology and PI 1-14

S.M. CHAUTHAIWALE

Indian Mathematicians on Sums of Terms in Arithmetic Progression 15-25

R.C. GUPTA

Indian Mathematical Sciences in Ancient and Medieval China 26-63

PARMANAND SINGH AND BALESVARA SINGH

Pāṭisāra of MunīŚvara : Chapter III : Kṣetra-vyavahāra
(English Translation with Rationales and Mathematical and Historical Notes) 64-103

V.K. SHARMA AND YOGITA BANA

Construction of Śyenacit from Baudhāyana Śulba Sūtra 104-128

OBITUARY NOTE

Prominent Polymath Pingree Passes Away 129-130

A.I. VOLODARSKY

Notices of Recent Russian Publications (on Hist. of Math.) 131-134

MEETINGS

National Conference on History of Mathematics and Recent Developments
(A Brief Report by K.C. Sinha) 135-137

BOOK REVIEWS

Grundziige De Mengenlehre (Gesammelte Werke, Band II) (by Felix
Hausdorff) (Reviewed by PRADIP KUMAR MAJUMDAR) 138-139

Ancient Jaina Mathematics (by R.C. Gupta) (Reviewed by R.S. SHAH) 139-144

NEW EDITORIAL BOARD 145-145

ISHM EXECUTIVE COUNCIL 146-146

VOLUME 26 (2004)

NUMBERS 1-4

K. NIKOLANTONAKIS

Les Lemmes De La Collection Mathematique De Pappus D'alexandrie Et
Les Traités De La Section Du Cylindre Et La Section Du Cone De Serenus
D'antinoe 1-26

R.C. GUPTA

Vedic Circle-Square Conversions : New Texts and Rules 27-39

V. MADHUKAR MALLAYYA

An Interesting Algorithm for Computation of Sine Table from the *Golasara* of
Nilakntha 40-55

PARMANAND SINGH AND BALESVARA SINGH *Patisara* of Munisvara :
Chapters I and II (English Translation with Notes) 56-104

GANITANAND	
The Jungle of Eras with Special Reference to India	105-130
RADHA CHARAN GUPTA	
Mensuration of Circle According to Jaina Mathematical Ganitanuyoga	131-165
V.K. SHARMA AND ANITA SHARMA	
History of Development of Binomial Expansion	166-172
A.K. SAH AND V.N. JHA	
Indian Method for Finding Square-Root of a Number	173-180
R.S. KAUSHAL	
What Remains Invariant?	181-191
MEETINGS	
Showcase Seminar on History of Mathematics (A Brief Report by Raj Kumari Behl)	195-195
The 16th Novembertagung on the History of Mathematics	195-195
The 1st International Conference on the History of exact Sciences along the Silk Road	192-193
XXII International Congress of History of Science (IUHPS/DHS)	195-195
NEWS	
Ganita Bharati Silver Jubilee Offer	196-196
History of Mathematics Enters DU Classrooms	196-196
Ancient Indian Leaps in the advent of Mathematics (A Collection of Contributed Articles)	197-197

VOLUME 25 (2003)

NUMBERS 1-4

SISIR K. MAJUMDAR	
History of Fields Medal in Mathematics : An Overview	1-14
JAMUNA PRASAD AMBASHT	
Place of Ramanujan in the History of Mathematics	15-21
R.C. GUPTA	
A Little-Known Text and Version of Srlyantra	22-28
MAN MOHAN	
Useful Web Links on History of Mathematical Sciences	29-44
MAN MOHAN AND SOBHASH CHANDER	
Some Indian Savants of Mathematics	45-60
RADHA CHARAN GUPTA	
A Century of Doctoral Work on History of Mathematics in India	61-78
ANTONINO DRAGO	
The Introduction of Actual Infinity in Modern Science : Mathematics and Physics in Both Cavalieri and Torricelli	78-98
RENUCHUGH	
Developments in Metric Fixed Point Theory	99-106
GANITANAND	
Obliquity in India through the Ages	107-118

R.C. GUPTA	
Munisvara's Traditional Sine Table	119-123
V. MADHUKAR MALLAYYA	
Geometrical Treatment of Progressive Series by Saiikara	124-130
RAMESHCHAND	
Importance of Place Value System in Algebra	131-137
GANITANAND	
The Stumbling Hole : A Brief History of Division by Zero	138-145
S.D. PATHAK	
Sridhara's Time and Works	146-149
HTTESHWAR SINGH	
Dr. G.S. Jha : A Broad-Based Historian of Mathematics	150-153
JAN VAN MAANEN	
History and Culture in Mathematics Education (Report of a Working Group for Action)	154-158
SHUCHI BANSAL AND SHASHI KIRAN	
The History of Pointwise Regularity of Riemann's Nondifferential Functions	159-174
THESES ABSTRACT	
An Estimate of Mathematical Techniques Proposed by Sripati (c. 1039 AD.) in his Sanskrit Mathematical Works and Their Present-Day Applicability (By Kripanath Sinha)	175-178
MEETINGS	
National Conference on Recent Trends in Analysis with Emphasis on History of Mathematics, Raipur, 2003 (Report by B.K. SHARMA)	179-183
International Conference on the History and Heritage of Mathematical Sciences, Cochin 2002 (Report by V. NITHYANANTHA BHAT)	183-185
History of Mathematics in Mathematics Teachers Meet, Delhi 2002 (Report by R.C. GUPTA)	185-187
BOOK REVIEWS	
History of Mathematics and Mathematicians of India (in Kannada) (by V. Heroor) (Reviewed by PADMAVATHAMMA)	188-194
History of Chinese Mathematics (in Bengali) (by N. Maiti) (Reviewed by S. DAS GUPTA)	194-197
Mahaviracarya's <i>Ganita-sara-sangraha</i> (ed. Padmavathamma) (Reviewed by S. Balachandra Rao)	197-202
Historical and Cultural Glimpses of Ancient Indian Mathematics (in Hindi) and Historical and Cultural Glimpses of Medieval Indian Mathematics (both by R.C. Gupta) (Reviewed by S.R. SARMA)	202-204
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 6061 to N 6330</i>)	205-221
INDEX TO PUBLICATIONS NOTICED	222-223

VOLUME 24 (2002)

NUMBERS 1-4

S. DAS GUPTA	
The Origin of the word <i>ALGEBRA</i>	1-5
UJWALA N. DONGAONKAR, T.M. KARADE, AND L.C. JAIN	
A Brief Review of the Literature of Jain Karmic Theory	6-13

PARMESHWAR JHA	
Mathematics in the Tribal Belt of Bihar	14–18
ANUPAM JAIN	
Prominent Jaina Mathematicians and Their Works	19–24
P.K. SINGH	
Glimpses of the Development of Mechanics from Ancient Period to Renaissance	25–34
PARMANAND SINGH	
The <i>Ganita Kaumudi</i> of Narayana Pandita, Chapter XIV, English Translation with Notes	35–98
NANDALAL MAITI	
On the Principle of Verification in Ancient Indian Mathematics	99–104
PADMAVATHAMMA	
Mahaviracarya's <i>Ganitasarasangraha</i>	105–109
MADHUKAR MALLAYYA	
An Interesting Demonstration of Bhaskaracarya's Rules of <i>Vargakarma</i>	110–116
R.S. LAL AND RAMASHIS PRASAD	
Contribution of Narayana Pandita to the Solution of the Equations of the Type $Nx^2 \pm 1 = y^2$	117–121
LIYAQUAT KHAN	
Mathematics and Actuarial Science—Past, Present and the Future	122–133
V.K. MALHOTRA	
Some Historical Aspects of Indian Official Statistical System	134–140
PARVIN SINCLAIR	
History as a Pedagogic Tool	141–146
R.P. PANT, A.B. LOHANI, AND K. JHA	
A History of Fixed Point Theorems	147–159
BHADRA MAN TULADHAR AND KANHAIYA JHA	
A Brief Report on Mathematics Education in Nepal	160–174
V.K. SHARMA AND MUSTAFIZUR RAHMAN	
Development of Astronomical Observatories in India	175–188
THESIS ABSTRACT	
Un Commentaire Indien du VIIème siècle : Bhaskara et le <i>Ganita-pada de L'Aryabhatiya</i> (By A. Keller) (<i>Report by R.C. Gupta</i>)	189–190
NEWS	191–194
BOOK REVIEWS	

Redefining Geometrical Exactness: Descarte's Transformation of Early Modern Concept of Construction (<i>Reviewed by C.J. Scriba</i>)	195–198
The Mathematician Sophus Lie. It was the audacity of my thinking (<i>Reviewed by I. Grattan-Guinness</i>)	198–200
5000 Jahre Geometrie: Geschichte, Kulturen, Menschen. (<i>Reviewed by Ganitanand</i>)	200–202
Vedic and Jain Mathematics (<i>Reviewed by S. Keshava Murthy</i>)	202–204
Reciprocity Laws from Euler to Eisenstein (<i>Reviewed by S. Raghavan</i>)	204–207
Two Millennia of Mathematics from Archimedes to Gauss (<i>Reviewed by R.C. Gupta</i>)	207–209
Ancient Indian Astronomy: Planetary Positions and Eclipses (<i>Reviewed by R.C. Gupta</i>)	209–211
NOTICES OF SELECT CURRENT PUBLICATIONS (N 5771 TO N6060)	212–230
INDEX TO PUBLICATIONS NOTICED	231–232

VOLUME 23 (2001)

NUMBERS 1-4

R.C. GUPTA	
The Study of History of Mathematical Sciences in India	1–11
RADHA CHARAN GUPTA	
Mensuration of a Circular Segment in Babylonian Mathematics	12–17
PARMANAND SINGH	
The <i>Ganita Kaumudi</i> of Narayana Pandita, Chapter XIII (English Translation with Notes)	18–82
R.C. GUPTA	
World's Longest Lists of Decuple Terms	83–90
DIPAK JADHAV	
On Values for π Used in the <i>Trilokasara</i>	91–100
JOHNY K. JOHN	
A Method of Series for Evaluation of the Circumference in <i>Yuktibhasa</i>	101–110
V. MADHUKAR MALLAYYA	
Interesting Visual Demonstrations of Series Summation by Nilakantha	111–119
NOTES	
Hindu Gods on the Gateway of a Mosque and Some Word-Numerals (by Ganitanand)	120–121
Politics Entered Mathematical Domain (by V.G. Tikekar)	122–124
Dr. T.A. Sarasvati Amma (c. 1920-2000), a Great Scholar of Indian Geometry	

(by R.C. Gupta)	125–127
MEETINGS	
First International Conference of the new Millennium on History of Mathematical Sciences – A Brief Report	128–134
NEWS	
BOOK REVIEWS	
Engineering Geometry of <i>Yajna-Kundas</i> and <i>Yajna-Mandapas</i> (Reviewed by Takao Hayashi)	138–143
Jan de Witt's Elements Curvarum Linearum, Liber Primus (Reviewed by J.P. Hogendijk)	143–144
Glimpses of Mathematics from Sanskrit Works (Reviewed by G.S. Jha)	144–145
Niels Henrik Abel and His Times: Called too soon by flames afar (Reviewed by M.R. Adhikari)	145–146
π : A Source Book (Reviewed by Ganitanand)	147–149
NOTICES OF SELECT CURRENT PUBLICATIONS (N 5501 to N5770)	150–167
INDEX TO PUBLICATIONS NOTICED	168–169

VOLUME 22 (2000)

NUMBERS 1-4

KRIPANATH SINHA	
Mathematics from Vedic Samhitas Sciences	1–10
V. MADHUKAR MALLAYYA	
The Arithmetic Operations ‘ <i>Samkalita</i> ’ with special reference to <i>Lilavati</i> and its Commentaries	11–18
PARMANAND SINGH	
The <i>Ganita Kaumudi</i> of Narayana Pandita, Chapter V-XII (English Translation with Notes)	19–85
RADHA CHARAN GUPTA	
Murlidhara Thakura, an Eminent Sanskrit Scholar of Indian Mathematics and Astronomy	96–92
BOOK REVIEWS	
The Origin of Mathematics (Reviewed by B.S. Yadav)	93–95
The Roots of Civilisation: Reading, Writing and Arithmetic (Reviewed by L.C. Jain)	96–98
VIDEO TAPE REVIEW	
N is a Number: A Portrait of Paul Erdős (Reviewed by D. Jagan Mohan Rao)	99-101

NEWS	102–104
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 5216 to N5550</i>)	105–118
INDEX TO PUBLICATIONS NOTICED	119–120

VOLUME 21 (1999)

NUMBERS 1-4

MOHAMMAD BAGHERI	
Recreational Problems from Hasib Tabari's <i>Miftāh al-mu'āmalāt</i>	1–9
PARMANAND SINGH	
The <i>Ganita Kaumudi</i> of Narayana Pandita, Chapter IV (English Translation with Notes)	10–73
R.C. GUPTA	
A Working Bibliography on Āryabhata I	74–79
V.N. JHA	
Indian Concept of a Concave Quadrilateral	80-86
THESIS ABSTRACT	
Trigonometry in Ancient and Medieval India (by R.C. Gupta)	87-90
MEETINGS	
Workshop on Methods in Ancient Indian Mathematics and their adaptation to School Mathematics Syllabi (<i>Report</i> by Venkatesha Murthy)	91-93
International Conference on History of Mathematics held at Gurukula Kangri University, Haridwar (<i>Report</i> by Aruna Kapur)	94-95
NEWS	96-98
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 48616 to N5215</i>)	99-115
INDEX TO PUBLICATIONS NOTICED	116–117

VOLUME 20 (1998)

NUMBERS 1-4

RADHA CHARAN GUPTA	
Dr. K.S. Shukla, Vetran Historian of Hindu Astronomy and Mathematics	1–7
R.C. GUPTA	
Kamlakara's Mathematics and Construction of Kundas	8-24
PARMANAND SINGH	
The <i>Ganita Kaumudi</i> of Narayana Pandita, (English Translation with Notes)	25–82
MOHAMMAD BAGHERI	
Khayyam's Scientific Legacy	83–91
JEAN-CLAUDE MARTZLOFF	
An overview of Publications on the History of Chinese Mathematics from Mainland China (1993-1997)	92–100
NOTES	
Brief History of the Section of Hindu Mathematics, Dept. of Mathematics and Astronomy, Lucknow University (<i>by</i> Aruna Nigam)	120–121

Dr. Parmeshwar Jha : A scholar and its Relevance to Science and technology (by B.N. Chaudhary)	104–107
THESIS ABSTRACTS	
A study of Vedic Geometry and its relevance to Science and Technology (by Vinod Mishra)	108-109
The Discussion that Indian Trigonometry affected Chinese Calander -Calculation in Tang Dynasty (by Duan Yaogong)	110-112
MEETINGS	
Lucknow Symposium on History of Mathematics/Hindu Mathematics, 1997	113–114
Historical Content in the 32 nd Annual Conference of AMTI, 1997	115-116
NEWS	117–120
BOOK REVIEWS	
Ethnomathematics. Challenging Eurocentrism in Mathamatics Education (Reviewed by OP. Rajagopal)	121–123
Indian Mathematics: An Introduction (Reviewed by Takanori Kusuba)	123
NOTICES OF SELECT CURRENT PUBLICATIONS (N 4481 to N4860)	124–140
INDEX TO PUBLICATIONS NOTICED	141-142

VOLUME 19 (1997)

NUMBERS 1-4

BEATRICE LUMPKIN	
Africa, Cradle of Mathematics	1–10
R.C. GUPTA	
False Mathematical Eponyms and other Miscredits in Mathematics	11-34
DAVID SINGMASTER	
Coconuts, The History and Solutions of a Classic Diophantine Problem	35–51
R.C. GUPTA	
Primitive Area of a Quadrilateral and Averaging	52-59
V.N. JHA	
Aryabhata II's Methods for finding Cube Root of a Number	60-68
M.D. PANDIT	
Mathematicians in Ancient India	69-85
NOTES	
A Circular Field Problem in the Late Babylonian Metrological Math. Text (by Kazuo Muroi)	86-90
On the Approximation: $\pi = 3\frac{1}{8}$ (by R C Gupta)	91-96
A Historical Note on Amicable Numbers (by S. Parameswaram)	97-100
On Sungka Approximation to Pi (by R C Gupta)	101-106
The Role of the History of Mathematics in the teaching and Learning of	

Mathematics: Discussion Document for an ICMI Study 1997-2000	107-114
MEETINGS	
Workshop on Methods in Ancient Indian Mathematics (A report)	115-116
A report on the New Delhi Seminar on the Copncept of <i>Sunya</i> (Zro)	117-120
NEWS	121-124
BOOK REVIEWS	
Glimpses of India's Statistical Heritage (<i>Reviewed</i> by Ivo Schneider)	125-126
The Bakshali Manuscript: An Ancient Indian Mathematical Treatise (<i>Reviewed</i> R C Gupta)	126-128
Indian Mathematics and Astronomy: Some Landmarks (<i>Reviewed</i> Michio Yano)	128-132
Census of the Exact Sciences in Sanskrit, Series A, Vol.5 (<i>Reviewed</i> Ganitanand)	132-134
JOURNAL REVIEW	
Studies in History of Medicine and Science, Vol. IX (1985) to XIII (1994) (<i>Reviewed</i> R C Gupta)	135-137
NOTICES OF SELECT CURRENT PUBLICATIONS (N 4481 to N4860)	138-162
INDEX TO PUBLICATIONS NOTICED	163-164

VOLUME 18 (1996)

NUMBERS 1-4

N.L. MAITI	
Antiquity of <i>Trairāśika</i> in India	1-8
VIRENDRA ARORA AND VIVEK GOEL	
Budhayana's Contribution to Vedic Geometry	9-13
RADHA CHARAN GUPTA	
The Last Combinatorial Problem in Bhaskara's Lilavati	14-20
V.N. JHA	
Indian Method for Testing Correctness of Fundamental Operations	21-24
VINOD MISHRA AND S.L. SINGH	
Height and Distance Problems in Ancient Indian Mathematics	25-30
GANITANAND	
Some Mathematical Lapses from Aryabhata to Ramanujan	31-47
KANHAIJEE JHA AND LOHNY K. JOHN	
The Rules of Arithmetic Progression according to Narayana Pandita	48-52
V. MADHUKAR MALLAYYA	
Various Methods of Multiplication and trhe Underlying Axioms	53-60
NOTES	

Minimality Property of Vedic Approximation of $\sqrt{2}$ (by Afzal Ahmad)	61-66
Madhavan, the father of analysis (by S. Parameswaram)	67-70
On mathematical activities in North Africa from 19 th to 11 th Century (by A. Djebbar)	76-78
Dr. R.S. Lal, Author of a Thesis on the Development of Series in India (by Ramashis Prasad)	79-80
A Glimpse of Doctoral Work in Progress or Recently Completed	81-86
NEWS	87-90
BOOK REVIEWS	
History of Development of Mathematics in India (Reviewed by Takao Hayashi)	91-95
Rationals of Astrology (Reviewed by S S Lishk)	95-96
The Mathematical Pamphlets of Charles Ludwidge Dogson and Related Pieces (Reviewed by R C Gupta)	97-99
Elements of the History of Mathematics by Nicolas Bourbaki (Reviewed by Ganitanand)	99-101
Massengers of Mathematics: European Journals (1800-1946) (Reviewed by Li Di and Guo Shirong)	102-104
NOTICES OF SELECT CURRENT PUBLICATIONS (N 3001 to N4000)	105-126
INDEX TO PUBLICATIONS NOTICED	127-128
VOLUME 17 (1995)	NUMBERS 1-4
BARNABAS HUGHES	
Indian Roots for Latin Problems?	1-9
R. C. GUPTA	
Why Study History of Mathematics?	10-28
YUKIO ÔHASHI	
Prof. K.S. Shukla's Contribution to the Study of the History of Hindu Astronomy	29-44
R. C. GUPTA	
Who Invented the Zero?	45-61
FRANCIE F. ABELES	
The Development of the Automatic Calander in the 19 th	62-67
S. KESHAVA MURTHY	
Dr. C.N. Srinivasa Iyenger (1901-1972), Scholar and Historian of Mathematics	68-74
GANITANAND	
Some Mathematical Lapses from Aryabhata to Ramanujan	31-47
PARMESHWAR JHA	
Indian Mathematics in the Dark Age	75-79
S.G. PRABHU-AJGAONKAR	
On Haldane's Conjecture about Indian Origin of Inferential Statistics	80-84
V. MADHUKAR MALLAYYA	
Bhaskara's Concept of Numeration in Decuple Proportions	85-91

NOTES

A Platinum Jubilee Dedication to S. Parmeswaran (<i>by R C Gupta</i>)	92-94
R N Mukherjee, Author of a Thesis on the Discovery of Zero (<i>by Ganitanand</i>)	95-96
History of Mathematics in Iran (<i>by Mohammad Bagheri</i>)	97-98
Abrahjam's Table of ASrcs in a Circle (<i>by R C Gupta</i>)	99-100
MEETINGS	101-103
NEWS	104-107
BOOK REVIEWS	
The Legacy of John von Neumann (<i>Reviewed by J W Dauben</i>)	108-116
Fleeting Footsteps: Tracing Arithmetic and Algebra in China (<i>Reviewed by N L Maiti</i>)	116-120
A Modern Introduction to Ancient Indian Mathematics (<i>Reviewed by K C Prasad</i>)	120-121
Mathematics in History, Culture, Philosophy and Science (<i>Reviewed by R C Gupta</i>)	121-122
Treasures of Ancient Indian Astronomy (<i>Reviewed by Ganitanand</i>)	123-124
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 3244 to N 3600</i>)	125-142
INDEX TO PUBLICATIONS NOTICED	143-144

VOLUME 16 (1994)

NUMBERS 1-4

AFZAL AHMAD	
On Babylonian and Vedic Square Root of 2	1-4
R. C. GUPTA	
Six type of Vedic Mathematics	5-15
S.L. SINGH AND RAMESH CHAND	
Pati-Mathematics	16-24
N.L. MAITI	
Notes on Broken Bamboo Problem	25-36
S. DAS GUPTA	
The story of Prime Number	37-52
NOTES	
A circulture Rule from the Agni Purana (<i>by R C Gupta</i>)	53-56
On the Nativity of Aryabhata the First (<i>by S Parmeswaran</i>)	57-60
Areas of Regular Polygons in Ancient and Medieval Times (<i>by R C Gupta</i>)	61-65
Marx and his Mathematical Work (<i>by Ganitanand</i>)	66-69
An Indian Extension of Ptolemy's Theorem (<i>by R C Gupta</i>)	70-72

THESIS ABSTRACT (The Algebra of Kamal al-Din al-Farist by M. Mawaldi)	73-75
HOMAGE (Kalinath Mukherji, circa 1850-1920 by Nirmal Mukherjea)	76-77
OBITUARY (Professor A.-A.P. Youschkevitch, 1906-1993 by A Volodarsky)	78-80
MEETINGS	81-87
NEWS	88-91
ESSAY REVIEW	
Encyclopedic Dictionary of Mathematics 2 nd Ed. (<i>Reviewed by R C Gupta</i>)	92-96
BOOK REVIEWS	
Practical Geometry attributed to Hugh of St. Victor (<i>Reviewed by C J Scriba</i>)	97-98
Scientific Heritage of India: Mathematics (<i>Reviewed by Yukio Ôhashi</i>)	98-101
Indeterminate Analysis: Ancient and Modern (<i>Reviewed by M Dutta</i>)	101-102
Ganita-Chandrika, Telugu Quarterly (<i>Reviewed by G P C Rao</i>)	102-103
Popular Hindu Astronomy (<i>Reviewed by A K Chakravarty</i>)	103-105
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 3001 to N 3243</i>)	106-118
INDEX TO PUBLICATIONS NOTICED	119-120

VOLUME 15 (1993)

NUMBERS 1-4

RAYMOND MERCIER	
The Date of the Mahasiddhanta	1-13
RADHA CHARAN GUPTA	
Rectification of Ellipse from Mahavira to Ramnaujan	14-40
RAMASHANKAR LAL AND RAMASHIS PRASAD	
Integral Solutions to the Equation $Nx^2 + 1 = y^2$ in Ancient Indian Mathematics (Cakravala or the Cyclic Method)	41-54
PRADIP KUMAR MAJUMDAR	
Studies of Mathematics in Three Hundred Years Old Calcutta	55-66
NOTES	
A Problem on Interest in the Narada-Purana (<i>by R C Gupta</i>)	67-69
Dr. M B L Agrawal, author of a Thesis on Jaina Mathematics and Astronomy	70-71
Origin and Evolution of Mathematical Theories: Implications for Mathematical Education (<i>by Miguel de Guzman</i>)	72-73
HOMAGE (Kalinath Clas-Olof Selenius)	74-78
OBITUARY NOTE (Professor S. N. Sen)	79-83
MEETINGS	84-85
NEWS	86-88
BOOK REVIEWS	

The Crest of the Peacock: Non-European Roots of Mathematics (<i>Reviewed by Victor J. Katz</i>)	89-90
Vedanga Jyotisa of Lagadha (<i>Reviewed by S. Parmeswaran</i>)	90-92
Regiomontanus: His Life and Works (<i>Reviewed by R C Gupta</i>)	92-95
Brouwer's Intuitionism (<i>Reviewed by Ganitanand</i>)	95-97
Discovery of Zero and its Impact on Indian Mathematics (<i>Reviewed by N L Maiti</i>)	97-98
Prachin Bharatiya Ganiter Itibritta (<i>Reviewed by S M Sharfuddin</i>)	98-100
A Source Book in Matroid Theory (<i>Reviewed by N Jayasankaran</i>)	100-101
Science and Society (<i>Reviewed by C. Uberoi</i>)	101-102
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 2718 to N 3000</i>)	103-119
INDEX TO PUBLICATIONS NOTICED	120-122

VOLUME 14 (1992)

NUMBERS 1-4

TAKAO HAYASHI	
Mahavira's Formulas for a Conch-like Planer Figure	1-10
RADHA CHARAN GUPTA	
The First Unneumerable Number in Jaina Mathematics	11-24
S. L. SINGH AND RAMESH CHAND	
Ahargana and its Applicationas	25-36
R. C. GUPTA	
Varahamihira's Calculation of nC_r and Pascal's Triangle	45-49
S. RAMARATNAM	
M Rangacharya (1861-1916) and His Contribution to Scientifical Literature	50-54
NOTES	
On the Date of the Mahasiddhanta of the Second Aryabhata (<i>by D. Pingree</i>)	55-56
Abdul Wafa and his Indian Rule about Regular Polygons (<i>by R C Gupta</i>)	57-61
D.J. Struik, Winner of the Highest Prize in History of Mathematics (<i>by Ganitanand</i>)	62-65
Interest in Hindu Mathematics (<i>by S N Singh</i>)	66-67
On the Remainder Term in the Madhava-Leibniz's eries (<i>by R C Gupta</i>)	68-71
MEETINGS	72-75
NEWS	76-79
BOOK REVIEWS	
Sciences and the Vedas (<i>Reviewed by M S Rangachari</i>)	80-82
Proceedings of the Gibbs Symposium (<i>Reviewed by R C Gupta</i>)	82-84

Geometry in Ancient India (<i>Reviewed</i> by P Rajagopal)	84-85
Modern Civilization and Living Ancient Mathematics (<i>Reviewed</i> by V J Katz)	85-87
Operations Analysis in the US Army in World War-II (<i>Reviewed</i> by Ganitanand)	87-89
Zero in Panini (<i>Reviewed</i> by R N Mukherjee)	89-91
Rajamrganka of Bhojaraja (<i>Reviewed</i> by K S Shukla)	91-93
A Brief History of Greek Mathematics (<i>Reviewed</i> by S Das Gupta)	93-96
History of Binary and Other Nondecimal Numeration (<i>Reviewed</i> by A R Singal)	96-98
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 2429 to N 2717</i>)	99-116
INDEX TO PUBLICATIONS NOTICED	117-118

VOLUME 13 (1991)

NUMBERS 1-4

**FIRST CUMULATIVE INDEX VOLUME
(INDEX TO VOLUMES 1-12)**

EDITORIAL NOTE	
Ganitan Bharati Enters Teen Age	1-2
SECTION I	
Author Index	3-10
SECTION II	
Index of Reviewers, Books Reviewed and their Authors/Editors	11-25
SECTION III	
General Index of Selected Persons, Works, Topics and Subjects	26-75
SECTION IV	
Index to Publications Noticed	76-104

VOLUME 12 (1990)

NUMBERS 1-2

TAKAO HAYASHI	
Narayana's Rule for a Segment of a Circle	1-9

GANITANAND	
The Laksa Scale of Ramayana and Rama's Army	10-16
RADHA CHARAN GUPTA	
The Chronic Problem of Ancient Indian Chronology	17-26
BISHWANATH CHAUDHARY AND PARMESHWAR JHA	
Studies of Bhaskara's Works in Mithila	27-32
GANITANAND	
Remarks Concerning Values of π	33-38
NOTES	
Two Great Scholars (<i>by the Editor</i>)	39-44
The Value of π in the Mahabharata (<i>by R C Gupta</i>)	45-47
Why Do We Use 'm' for Slope? (<i>by V F Ricky</i>)	48-48
NEWS	49-50
ESSAY REVIEW	
Studies in the History of Mathematics (edited by Esther R Phillipas) (<i>Reviewed by Warren Van Egmond</i>)	51-55
BOOK REVIEWS	
Episodes in Mathematics of Medieval Islam (<i>by J L Berggren</i>) (<i>Reviewed by R C Gupta</i>)	56-58
Mathematik in Antike und Orient (<i>by Helmut Gericke</i>) (<i>Reviewed by Ganitanand</i>)	58-59
Unesco Meeting on Changes in Relations between Science and Society (published by NISTADS) (<i>Reviewed by S K Sen</i>)	59-61
Aryabhata I and His Contribution to Mathematics (<i>by Parmeshwar Jha</i>) (<i>Reviewed by S C Sarabhai</i>)	62-64
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 2051 to N 2200</i>)	65-74

VOLUME 11 (1989)

NUMBERS 1-4

B.S. YADAV	
ISHM loses its President Professor U.N. Singh	i-iv
NICHOLAS J. BOLTON	
Pattern in the Trigrams of I Ching	1-11
I. GRATTAN-GUINNESS	
Arabic Mathematics in Montucla and Delambre	12-17
R. C. GUPTA	
On Some Rules from Jaina Mathematics	18-26

SUBHASH C. KAK	
The Brahamagupta Algorithm fopr Square Rooting	27-29
J. N. KAPUR	
Encounters with History of Mathematics	30-37
R. C. GUPTA	
Sino-Indian Interaction and I-Hsing	38-49
GANITANAND	
Foreign Reviews of Indian Works	50-54
NOTES	
Dr. D. Arka Somayaji (by V SW Narasimhan)	55-56
Homage to Prof. A. Seidenberg (by Ganitanand)	57-59
Reply to Saraswati's Review (by R P Kulkarni)	60-62
MEETINGS	
Seminar on Astronomy and Mathematics: A Dialogue	63-71
Symposium on History of Mathematics, Lucknow	71-73
National Seminar on Scientific Literature, Pune	74-76
NEWS	77-78
ESSAY REVIEW	
Philosophy of Mathematics and Deductive Structure in Euclid's <i>Elements</i> (Reviewed by W. H. Abdi)	79-83
BOOK REVIEWS	
History of Astronomy in India, New Delhi, 1985	84-86
Pascal's Arithmetical Triangle, New York, 1987	87-89
The Mathematics of Plato's Academy, Oxford, 1987	89-91
History in Mathematics Education, Paris, 1987	91-94
Problemgeschichte der Mathematik I, Mannheim, 1979	94-96
Problemgeschichte der Mathematik I, Mannheim, 1981	97-97
Srinivasa Ramanujan Century Issue, Bangalore, 1987	97-98
Ankganitam-Bijaganitam (in Sanskrit), Part I, New Delhi, 1998	99-99
Bhaskaracarya Pranitam Bijaganitam (in Sanskrit), Jammu, 1978	100-100
Fascinating World of Numbers, Madras, 1980	100-101
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 1851 to N 2050</i>)	102-114
INDEX TO PUBLICATIONS NOTICED	115
INDEX TO VOLUME 11	116

VOLUME 11 (1989)**NUMBERS 1-4**

B.S. YADAV ISHM loses its President Professor U.N. Singh	i-iv
NICHOLAS J. BOLTON Pattern in the Trigrams of I Ching	1-11
I. GRATTAN-GUINNESS Arabic Mathematics in Montucla and Delambre	12-17
R. C. GUPTA On Some Rules from Jaina Mathematics	18-26
SUBHASH C. KAK The Brahamagupta Algorithm fopr Square Rooting	27-29
J. N. KAPUR Encounters with History of Mathematics	30-37
R. C. GUPTA Sino-Indian Interaction and I-Hsing	38-49
GANITANAND Foreign Reviews of Indian Works	50-54
NOTES Dr. D. Arka Somayaji (<i>by</i> V SW Narasimhan) Homage to Prof. A. Seidenberg (<i>by</i> Ganitanand) Reply to Saraswati's Review (<i>by</i> R P Kulkarni)	55-56 57-59 60-62
MEETINGS Seminar on Astronomy and Mathematics: A Dialogue Symposium on History of Mathematics, Lucknow National Seminar on Scientific Literature, Pune	63-71 71-73 74-76
NEWS	77-78
ESSAY REVIEW Philosophy of Mathematics and Deductive Structure in Euclid's <i>Elements</i> (<i>Reviewed by</i> W. H. Abdi)	79-83
BOOK REVIEWS History of Astronomy in India, New Delhi, 1985 Pascal's Arithmetical Triangle, New York, 1987 The Mathematics of Plato's Academy, Oxford, 1987 History in Mathematics Education, Paris, 1987 Problemgeschichte der Mathjematik I, Mannheim, 1979 Problemgeschichte der Mathjematik I, Mannheim, 1981 Srinivasa Ramanujan Century Issue, Bangalore, 1987	84-86 87-89 89-91 91-94 94-96 97-97 97-98

Ankganitam-Bijaganitam (in Sanskrit), Part I, New Delhi, 1998	99-99
Bhaskaracarya Pranitam Bijaganitam (in Sanskrit), Jammu, 1978	100-100
Fascinating World of Numbers, Madras, 1980	100-101
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 1851 to N 2050</i>)	102-114
INDEX TO PUBLICATIONS NOTICED	115
INDEX TO VOLUME 11	116

VOLUME 10 (1988)

NUMBERS 1-4

MESSAGES by J.W. DAUBEN <i>et. al.</i>	1-2
SUKOMAL DUTT Bibhuti Bhusan Datta (1888-1958)	3-15
R. C. GUPTA Kurt Vogel (1888-1958), German Historian	16-20
B. L. VAN DER WAERDEN A Summary of Roger Billard's <i>L'Astronomie indienne</i>	21-30
J. N. KAPUR A Brief History of Mathematics Education in India	31-39
KRIPANATH SINHA Vyaktaganitadhyaya of Sripati's <i>Siddhantasekhara</i>	40-50
R. C. GUPTA On Values of π from the Bible	51-58
PARMESHWAR JHA Study of History of Mathematics in Bihar	59-63
NOTES A Note on Karanaratna of Devacarya (<i>by S. Hariharan</i>)	64-68
Tombstone Mathematics (<i>by R C Gupta</i>)	69-74
In the name of Vedic Mathematics (<i>by Ganitanand</i>)	75-78
MEETINGS International Symposium on History of Mathematics, Japan	79-80
International Seminar on Ancient Astronomers, Hyderabad	81-82
NEWS	83-85
ESSAY REVIEW The History of Mathematics from Antiquity to the Present: A Selective Bibliography (<i>Reviewed by J W Dauben</i>)	86-89

BOOK REVIEWS

Scientific and Technological Exchanges between India and Soviet Central Asia	90-92
The History of Mathematics: An Introduction	92-93
The Analytical Art by Francois Viete	93-95
Number Theory: An Approach Through History	96-98
Exact Sciences from Jaina Sources Vol.II	98-100
Mahaviracarya (A brief Study)	100-102
Science and Technology in Indian Culture	102-103
Heritage Mathematics	103-104
Riyadiyat (Mathematical Works) by Bahauddin al-Amili	104-106
Historical Topics for the Mathematics Classroom	106-107
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 1623 to N 1850</i>)	108-121
INDEX TO PUBLICATIONS NOTICED	122-123
INDEX TO VOLUME 10	124

VOLUME 9 (1987)

NUMBERS 1-4

GARRY J. TEE

Mathematical Sciences in New Zealand	1-9
--------------------------------------	-----

TAKAO HAYASHI

Quiver Problem: A New Interpretation	10-14
--------------------------------------	-------

R. C. GUPTA

South Indian Achievements in Medieval Mathematics	15-40
---	-------

S. S. CHAKRABARTY

William Henry Young and Mathematics	41-44
-------------------------------------	-------

S. S. CHAKRABARTY

Works of Native Muslim Mathematicians in India (1857-1970)	45-48
--	-------

SHORT NOTES

Comments on Knorr's Review of Van der Waerden's book (<i>by A. Seidenberg</i>)	49-50
Chords and Areas of Jambudvipa Regions in Jaina Cosmography (<i>by R C Gupta</i>)	51-53
On the Date of Sridhara (<i>by Ganitanand</i>)	54-56
Approximate Formula for the Length of a Chord (<i>by Nampally</i>)	57-58
G. Joseph's Work and Visit to India (Pande and Singh)	59-60

MEETINGS

XVII ICHS, Berkeley, 1985	61-62
Colloquium 91 on History of Oriental Astronomy	62-65
National Seminar on Scientific Heritage	65-66
The 1986 Meetings of the BSHM	66-67
All India Seminar on Ancient Indian Astronomy (1987)	67-69
NEWS	70-72
ESSAY REVIEW	
Siddhanta Siromani of Bhaskaracarya (<i>Reviewed</i> by Arkasomayaji)	73-75
BOOK REVIEWS	
The Land of Stevin and Huygens	76-78
“Marx Demystifies Calculus” and “The Fetish of High Tech and Marx’s Manuscripts”	78-80
The Mathematical Manuscripts of Karl Marx	80-81
Books on Diophantus’ Arithmetica in Arabic Translation	81-83
Exact Sciences from Jaina Sources, Vol.I	83-85
Jainaganitajna Mahaviracarya	86-87
History, Culture, Excitement and Relevance of Mathematics	87
Philosopher Mathematicians	87-88
Gania Kaumudi (in Hindi)	88-89
Guide to sources in Northern California	90-91
NOTICES OF SELECT CURRENT PUBLICATIONS (<i>N 1461 to N 1622</i>)	92-101
INDEX TO PUBLICATIONS NOTICED	102-103
INDEX TO VOLUME 9	104

VOLUME 8 (1986)

NUMBERS 1-4

GREGG DE YOUNG	
The Khulasat al-Hisab of Baha al-Din al-‘Amili and the Darsi-Nizami in India	1-15
K. R. RAJAGOPALAN	
Srinivasa Ramanujan	16-26
KRIPANATH SINHA	
Algebra of Sripati (11 th Century)	27-34
ASHA RANI SINGAL	
The Misplaced Credit	35-38
SHORT NOTES	
On Derivation of Bhaskara I’s Formula for the Sine (<i>by</i> R C Gupta)	39-41

About Harish Chandra (<i>by R S L Srivastava</i>)	42-43
When there was No Unity in the Number-land (<i>by Ganitanand</i>)	43-45
The width of Agnesi (<i>by Duane Deal</i>)	45-46
MEETINGS	
International Seminar on Jaina Mathematics and Cosmology, 1985	47-52
The 1984-1985 Meetings of the BSHM	52-53
NEWS	54-55
ESSAY REVIEW	
Statistics in Britain (<i>by D A Mackenzie</i>) (<i>Reviewed by Prem Narain</i>)	56-59
BOOK REVIEWS	
Sur les theories des series au XIX e siecle (<i>by P. Dugac</i>)	
(<i>Reviewed by E J Barbeau</i>)	60-62
The Prehistory of the Theory of ZDistributions (<i>by J Lutzen</i>)	
(<i>Reviewed by K M Saxena</i>)	62-64
Geometry According to Sulbsutra (<i>by R P Kulkarni</i>)	
(<i>Reviewed by T A Saraswati Amma</i>)	64-65
Classics of Mathematics (<i>by R Calinger</i>) (<i>Reviewed by R C Gupta</i>)	66-68
Jordanus de Nemore, De numeri statis (ed. BB Hughes) (<i>Reviewed by R C Gupta</i>)	68-70
Sxcience and Technology: Humanism and Progress (ed. S Mikulinsky et.al.)	
(<i>Reviewed by S R Sarma</i>)	70-73
Girolamo Cardano, 1501-1576 (<i>by M Fierz</i>) (<i>Reviewed by Ganitanand</i>)	73-75
NOTICES OF CURRENT PUBLICATIONS (N 1316 to N 1460)	76-84
INDEX TO PUBLICATIONS NOTICED	85-86

VOLUME 7 (1985)

NUMBERS 1-4

ANTHONY P STONE

Indian Shadow Formulae Using the Foot as Unit	1-12
---	------

RADHA CHARAN GUPTA

On Some Anmcient and Medieval Methods of Approximating Quadratic Surds	13-22
--	-------

SHORT NOTES

Hidden Laws of Numbers at Harappa (<i>by P C Kothari</i>)	23-24
Jinabhadra Gani and Segment of Circle Between Two Parallel Chords (<i>by R C Gupta</i>)	25-26

MEETINGS

The 1983-1984 Meetings of the BSHM	27-28
1985 Science Congress Symposium on History of Mathematics	28-29
UGC Symposium on Relevance and Importance of History of Mathematics	29-30
Some International Meetings of 1985	30-30

ESSAY REVIEW

Geometry and Algebra in Ancient Civilizations (<i>by</i> B L van der Waerden) (<i>Reviewed by</i> A. Seidenberg)	31-39
---	-------

BOOK REVIEWS

History of Mathematics in Finland, 1818-1918 (<i>by</i> G Elfving) (<i>Reviewed by</i> M C Chaki)	40-41
Trois etudes sur loeuvre d' Archimede (<i>by</i> P Souffrin) (<i>Reviewed by</i> J L Berggren)	41-43
A Bibliography of the Works of al-Biruni (<i>by</i> A S Khan) (<i>Reviewed by</i> D A King)	43-44
Science and Technology in Medieval India-A Bibliography of Source Material (<i>by</i> R A Rahman et.al.) (<i>Reviewed by</i> P Dingree)	44-46
A Convergence of Lives, Sofia Kovalovskaia (<i>by</i> A H Koblitz) (<i>Reviewed by</i> M Prasad)	46
Numbers and Infinity: A Historical Account of Mathematical Concepts (<i>by</i> . E Sondheimer and A Rogerson, AND Numbers: Their History and Meaning (<i>by</i> G Flegg), (<i>Reviewed by</i> R C Gupta)	47-48
The Sul Sutras: Texts on Vedic Geometry (ed. S Prakash and U Jyotrishmati), AND The Sulba-sutras (ed. With translation <i>by</i> S N Sen and A K Bagh) (<i>Reviewed by</i> Ganitanand)	48-50
Ocherki Istorii Estestvennonauchnykh Znanli v Drevnosti (ed. A N Shamin) (<i>Reviewed by</i> G J Tee)	50-52
Sisyadhivreddhida Tantra of Lalla with the Commentary of Mallikarjuna (ed. With translation <i>by</i> B Chatterjee), (<i>Reviewed by</i> R Mercier)	53-57
The History of Statistics in the 17 th and 18 th Centuries (<i>by</i> K Pearson), (<i>Reviewed by</i> I. Grattan-Guinness)	57-59
Emergence of Number (<i>by</i> J N Crossley), (<i>Reviewed by</i> S A Paramhans)	59-60
Life and Works of Giuseppe Peano (<i>by</i> H C Kennedy), (<i>Reviewed by</i> T Ramesan)	60-61
NOTICES OF CURRENT PUBLICATIONS (<i>N 1185 to N 1315</i>)	62-70
INDEX TO PUBLICATIONS NOTICED	71-72

VOLUME 6 (1984)

NUMBERS 1-4

EBERHARD KNOBLOCH

Euler and the History of a Problem of Probability Theory	1-12
--	------

M. N. CHANNABASAPPA

Mathematical Terminology Peculiar to the Bakshali Manuscript	13-18
BHOLA ISHWAR	
Development of Indian Astronomy at the time Aryabhata I	19-24
SHORT NOTES	
A note on Raymond P Mercier's Reveiw of "Karanaratna of Devacarya" (by K S Shukla)	25-28
International Study Group for the Relation between trhe History and Pedagogy of Mathematics (by J N Kapur)	29-29
BOOK REVIEWS	
Zermelo's Axiom of Choice, Its Origin, Development and Influence (by G H Moore) (Reviewed by Bruno Poizat)	30-33
Social History of 19 th Century Mathematics (ed. H Mehrtens et al) (Reviewed by D K Sinha)	34
Practical Geometry in High Middle Ages: Artis Cuiuslibet Consummatio and the Pratique de Geometry (ed. S K Victor) (Reviewed by R C Gupta)	35-36
A Peep into Vedic Mathematics (by B R Baliga.) (Reviewed by A P Nicholas)	37-38
The Bakshali Manuscript: A Study in Medieval Mathematics (by. G R Kaye), AND The Bakshali Manuscript (ed. S Prakash and U. Jyotishmati) (Reviewed by Ganitanand)	38-40
Geschichte der Geomtrie (by K. Mainzer) (Reviewed by K Balagangadharan)	40-41
Partitions: Yesterday and Today (by. G E Andrews) (Reviewed by K S Paramhans)	41-43
First Australian Conference on History of Mathematics, Proceedings of a Congference at Monah University (ed. J N Crossley), (Reviewed by R Mercier)	43-44
Bhaskaracarya's Bijaganita, Text with Translation (by S K Abhyankar), (Reviewed by G S Jha)	44-45
A Catalogue of Books Printed Before 1641 in the Science Museum Library (by J Brody), (Reviewed by Parmanand Singh)	45-46
Mensuration in Ancient India (by S. Srinivasan), (Reviewed by S S Lishk)	46-47
History of Science and Scientific Method (by N K Jain), (Reviewed by S Das)	47-50
NOTICES OF CURRENT PUBLICATIONS (N 1051 to N 1184)	51-59
INDEX TO PUBLICATIONS NOTICED	60-61
HOMAGE TO DR. S. R. SINHA (by Parmanand Singh)	62-63

EVERT M BRUINS	
With Roots towards Aryabhata's π -value	1-7
RADHA CHARAN GUPTA	
Decimal Denominational Terms in Ancient and Medieval India	8-15
M. B. LAL AGRAWAL	
Contribution of Jainacarya's to the Development of Mathematics and Astronomy	16-21
MEETINGS	
The 1981-1982 Meetings of the BSHM	22-23
Jambudvipa Seminar 1982	23-23
BOOK REVIEWS	
Code of the Quipu: A Study in Media, Mathematics and Culture (by M Ascher and R. Ascher) (<i>Reviewed by</i> Philip S. Jones)	24-25
Mathematicians and Their Times (by L Young) (<i>Reviewed by</i> P C Vaidya)	25-27
The Collected Letters of Colin Maclaurin (ed. by Stella Mills) (<i>Reviewed by</i> J N Kapur)	27-29
Influence of Institutionalized Mathematics Teaching on the Development and Organization of Mathematical Thought (by Jens Hoyrup) (<i>Reviewed by</i> M S Rangachari)	29-31
The Evolution of Dynamics: Vibration Theory from 1687 to 1742 (by J T Cannon and S Dostrovsky) (<i>Reviewed by</i> S D Nigam)	31-33
NOTICES OF CURRENT PUBLICATIONS (<i>N 871 to N 1050</i>)	34-43
INDEX TO PUBLICATIONS NOTICED	44-45
VOLUME 4 (1982)	NUMBERS 3-4
H. HOWARD FRISINGER	
Raj Chandra Bose: Universal Mathematician	83-89
ANTHONY P. STONE	
Ancient Indian Shadow Formulae for Fractions of the Day	90-99
D. K. SINHA	
Study of History of Mathematics: A New Look	100-101
R. C. GUPTA	
Lindemann's Discovery of the Transcendence of π : A Centenary Tribute	102-108
A. K. CHAKRAVARTY	
The Dark Age	109-111
K. N. SINHA	

Sripati's Ganitatilaka: English Translation with Introduction	112-133
SHORT NOTE	
Candū, an astronomer of medieval Rajasthan (<i>by R C Gupta</i>)	134-135
MEETING	
Fifth Annual Conference of the ISHM (<i>Report by P K Majumdar</i>)	136-138
BOOK REVIEWS	
Karanaratna of Devacarya (ed. K S Shukla) (<i>Reviewed by P Mercier</i>)	141-146
Mathematics in the 19 th Century: Geometry, Theory of Analytic Functions (in Russian) (<i>Reviewed by K Balagangadharan</i>)	146-148
A History of Mathematics (by F Cajori) (<i>Reviewed by R C Gupta</i>)	148-152
Reference Books for the Historian of Science (by S A Jayawardene.) (<i>Reviewed by A K Bag</i>)	152-153
The Arithmetic of al-Uqlidist (Translated by A H Koblitz) (<i>Reviewed by R C Gupta</i>)	153-156
Sripatibhattapranita Jyotisaratanamala (ed. V Sarman Vasistha), (<i>Reviewed by David Pingree</i>)	156-157
Census of the Exact Sciences in Sanskrit, Series A, Vol.4 (by David Pingree) (<i>Reviewed by Ganitanand</i>)	157-161
NOTICES OF CURRENT PUBLICATIONS (<i>N 612 to N 870</i>)	162-175
INDEX TO PUBLICATIONS NOTICED	176-177
INDEX TO VOLUME 4	178-180

VOLUME 4 (1982)

NUMBERS 1-2

Untimely Demise of Dr. Tilak Raj Prabhakar	i-ii
Editor's Note	1-3
GURBAKSH SINGH	
Welcome Address	4-5
WAZIR HASAN ABDI	
Some Works of Indian Mathematicians Who Wrote in Persian	6-9
R. C. GUPTA	
Indian Mathematicians abroad up to the 10 th Century	10-16
SARDHA SRINIVASAN	
Evolution of Weights and Measures in Ancient India	17-25
PARMESHWAR JHA	
Historical Background of Mathematics and Astronomy in Mithila	26-40

S. P. YADAV AND D. K. SINHA	
Pedagogical Implications of Teaching of Ancient Mathematics up to the 10 th Century A.D.	41-43
VISVAPRIYA MUKHERJI	
Introduction of the History and Philosophy of Mathematics into University Education: An Approach	44-49
RAMATOSH SARKAR	
The Bakshali Manuscript	50-55
R KAILASAM	
History of Celestial Mechanics	56-60
ANUPAM JAIN	
Some Unknown Jaina Mathematical Works (in Hindi)	61-71
AFZAL AHMAD	
On Vedic Square-Circle Conversion	72-77
K. R. RAJAGOPALAN	
State of Indian Mathematics in the Southern Region up to the 10 th Century A.D.	78-82

VOLUME 3 (1981)

NUMBERS 3-4

LASZLO FILEP	
Lajos David (1881-1962), Historian of Hungarian Mathematics	65-70
FRANCIE F. ABELES	
C L Dogson and Apportionment for Proportional Representation	71-82
AFZAL AHMAD	
On the π of Aryabhata I	83-85
R. C. GUPTA	
A Bibliography of Selected Sanskrit and Allied Works of Indian Mathematics and Mathematical Astronomy	86-102
SHORT NOTE	
Centenary of Bakshali manuscript's Discovery (<i>by</i> R C Gupta)	103-105
MEETINGS	
1980-1981 Meetings of the B.S.H.M.	106
BOOK REVIEWS	
Mathematics in Ancient and Medieval India (<i>by</i> A K Bag) (<i>Reviewed by</i> K S Shukla)	107-108
Grahhalaghavarh Karanam (ed. R C Gupta, with Hindi translation) (<i>Reviewed by</i> R C Pandeya)	108-109
Directory of Historians of Arabic-Islamic Science (<i>by</i> S K Hamaneh)	

(<i>Reviewed</i> by R C Gupta)	109-110
NOTICES OF CURRENT PUBLICATIONS (<i>N 476 to N 611</i>)	111-118
INDEX TO PUBLICATIONS NOTICED	119-120
INDEX TO VOLUME 3	121-122

VOLUME 3 (1981)

NUMBERS 1-2

ARTHUR SCHLISSEL

On Poincare's Identification of Asymptotic Series Solutions with the Normal Series

Solutions 1-15

PARMANAND SINGH

Narayana's Treatment of Net of Numbers 16-31

R. C. GUPTA

The Process of Averaging in Ancient and Medieval Mathematics 32-42

ANUPAM JAIN

Contribution of Jainacarya's to the Development of Mathematics (in Hindi) 43-44

MEETINGS

Fourth Annual Conference of the I.S.H.M. 45-48

Other Meetings 49-49

OBITUARY

Professor Ram Bihari 50-50

BOOK REVIEWS

History of Indian Mathematics (by K R Rajagopalan et al)
(*Reviewed* by M S Rangachari) 51-53

Geometry in Ancient India (by T A Saraswati Amma) (*Reviewed* by A K Bag) 53-54

Geschichte der Elementar-mathematik (ed. J Tropfke, Kurt Vogel et al)
(*Reviewed* by R C Gupta) 54-56

NOTICES OF CURRENT PUBLICATIONS (*N 326 to N 375*) 57-64

VOLUME 2 (1980)

NUMBERS 3-4

A. G. AKRITAS AND S. D. DANIELOPOULOS

An Unknown Theorem for the Isolation of the Roots Polynomials	41-49
S. A. PARAMHANS	
On Testimony of Time-Space Relation	50-52
R. C. GUPTA	
Indian Mathematics and Astronomy in the 11 th Century Spain	53-57
S. R. SINHA AND R. S. LAL	
Component of History of Mathematics in School and College Mathematics Curriculum in India: An Approach	58-61
SHORT NOTE	
Prizes and Medals in History of Science	62-63
MEETINGS	
The 23 rd Oberwolfach Conference	64-66
INSA Seminar on Indian Science	66-67
Seventh Conference of the CSHPM	67-69
KSRI Seminar on Jyotisha	69-70
NOTICES OF CURRENT PUBLICATIONS (<i>N</i> 209 to <i>N</i> 325)	71-77
INDEX TO PUBLICATIONS NOTICED	78-79
INDEX TO VOLUME 2	80-80

VOLUME 2 (1980)

NUMBERS 1-2

BERTRAM ROSS	
The Early Development of the Gamma Function	1-15
AFZAL AHMAD	
The Vedic Principle for Approximating Square Root of Two	16-19
K. R. RAJAGOPALAN	
Professor A A Krishnaswamy Ayyangar	20-28
R. C. GUPTA	
Square Root of 164 in the Berlin Papyrus 11529	29-31
S. R. SINHA AND R. S. LAL	
Component of History of Mathematics in School and College Mathematics Curriculum in India: An Approach	58-61
BOOK REVIEW	
The Muslim Contribution to Mathematics (by A A Al-Daffa) (<i>Reviewed by M A Malik</i>)	32

DISSERTATION ABSTRACT

Scope and Development of Mathematics in Ancient India, <i>Summary of Doctoral Thesis</i> (by Gayatri Kumari)	33
--	----

SHORT NOTE

Prizes and Medals in History of Science	62-63
---	-------

MEETINGS	35
----------	----

NOTICES OF CURRENT PUBLICATIONS (<i>N 119 to N 208</i>)	36-40
---	-------

VOLUME 1 (1979)

NUMBERS 3-4

A.M. VAIDYA

Twenty-fifth Pergfect Number	22
------------------------------	----

K.N. SINHA

Mathematical Literature	23-24
-------------------------	-------

M.N. CHANNBASAPPA

The Bakshali Square Root Formula and High Speed Computation	25-27
---	-------

BERTRAM ROSS

Cauchy to Develop Rigor	29-30
-------------------------	-------

R. C. GUPTA

P C Sengupta (1876-1962), Historian of Indian Astronomy and Mathematics	31-35
---	-------

REPORTS ON HISTORY OF MATHEMATICS IN MATHS TEACHING	36-38
---	-------

MEETINGS	39-41
----------	-------

NEWS

Fellowships and other Jobs	28
----------------------------	----

Text Books on History of Mathematics	38
--------------------------------------	----

Canadian Society for History of Mathematics	30
---	----

R C Gupta's Lectures on History of Mathematics	35
--	----

Indian Directory of Historians of Science	41
---	----

OBITUARIES	46-47
------------	-------

NOTICES OF CURRENT PUBLICATIONS (<i>N 24 to N 1188</i>)	42-46
---	-------

ABOUT THIS BULLETIN AND ISHM	22
------------------------------	----

INDEX TO VOLUME 1	48
-------------------	----

INDEX OF AUTHORS WHOSE PUBLICATIONS ARE NOTIFIED	47
--	----

VOLUME 1 (1979)

NUMBERS 1-2

A MODEST BEGINNING	
Editorial	1-2
MESSAGES	
By C.J. Sciba, J.L. Berggren, S.R. Mikulinsky, A.T. Grigirian and A.P. Youschkevitch	3-4
PARMANAND SINGH	
Hindu Mathematics	5-6
M.L. NANKAR	
History of Perfect Numbers	7-8
BERTRAM ROSS	
Euler's Letter to Goldbach Announcing the Discovery of an Integral Representation for $x!$	9-12
D.S. HOODA	
Aryabhata	12
SYMPOSIUM ON HISTORY OF MATHEMATICS	13-14
SEMINAR ON COMPONENT OF HISTORY OF MTHAMATICS IN MATHAEMATICS CURRICULUM	15
MEETINGS	16-17
NEWS	
New Journals	4
They are No More	6
Scholar Honoured	6
Lectures on History of Mathematics	8
NOTICES OF CURRENT PUBLICATIONS (<i>N 1</i> to <i>N 23</i>)	18-19
ISHM AND ITS BULLETIN	22
INDEX TO VOLUME 1	48