

Contents

Preface	xi
Mesopotamia	
Erica Reiner. Constellation into Planet	3
Hermann Hunger. Stars, Cities, and Predictions	16
John P. Britton. An Early Observation Text for Mars: HSM 1899.2.112 (= HSM 1490)	33
Francesca Rochberg. A Babylonian Rising Times Scheme in Non-Tabular Astronomical Texts	56
Lis Brack-Bernsen and John M. Steele. Babylonian Mathematics: Two Mathematical Astronomical-Astrological Texts	95
Classical and Medieval Europe	
Alexander Jones. An ' <i>Almagest</i> ' Before Ptolemy's?	129
N. M. Swerdlow. Ptolemy's <i>Harmonics</i> and the 'Tones of the Universe' in the <i>Canobic Inscription</i>	137
David Juste. Neither Observation nor Astronomical Tables: An Alternative Way of Computing the Planetary Longitudes in the Early Western Middle Ages	181
Anne Tihon. Les <i>Tables Faciles</i> de Ptolémée: une édition critique	223
Charles Burnett. Arabic and Latin Astrology Compared in the Twelfth Century: Firmicus, Adelard of Bath and 'Doctor Elmirethi' ('Aristoteles Milesius')	247
India and Iran	
Antonio Panaino. On the Dimension of the Astral Bodies in Zoroastrian Literature: Between Tradition and Scientific Astronomy	267

Dominik Wujastyk.	<i>Jambudvīpa</i> : Apples or Plums?	287
Sreeramula Rajeswara Sarma.	Setting Up the Water Clock for Telling the Time of Marriage	302
Michio Yano.	Planet Worship in Ancient India	331
Christopher Z. Minkowski.	Competing Cosmologies in Early Modern Indian Astronomy	349
Takao Hayashi.	Two Benares Manuscripts of Nārāyaṇa Pāṇdita's <i>Bījaganitāvatamsa</i>	386
Takanori Kusuba.	Indian Rules for the Decomposition of Fractions	497
R. C. Gupta.	Area of a Bow-Figure in India	517
Setsuro Ikeyama.	A Survey of Rules for Computing the True Daily Motion of the Planets in India	533
Kim Plofker.	The Problem of the Sun's Corner Altitude and Convergence of Fixed-Point Iterations in Me- dieval Indian Astronomy	552
S. M. Razaullah Ansari.	Sanskrit Scientific Texts in Indo- Persian Sources, with Special Emphasis on Siddhāntas and Karaṇas	587

Islam

J. L. Berggren and Jan P. Hogendijk.	The Fragments of Abū Sahl al-Kūhī's Lost Geometrical Works in the Writings of al-Sijzī	609
David A. King.	A Hellenistic Astrological Table Deemed Worthy of Being Penned in Gold Ink: the Arabic Tradition of Vettius Valens' Auxiliary Function for Finding the Length of Life	666
Jacques Sesiano.	Magic Squares for Daily Life	715
Bernard R. Goldstein.	A Prognostication Based on the Conjunction of Saturn and Jupiter in 1166 (561 A.H.)	735
Godefroid de Callataÿ.	Astrology and Prophecy: The Ikhwān al-Ṣafā and the Legend of the Seven Sleepers . . .	758
F. Jamil Ragep.	Ibn al-Haytham and Eudoxus: The Re- vival of Homocentric Modeling in Islam	786
George Saliba.	Reform of Ptolemaic Astronomy at the Court of Ulugh Beg	810

Benno van Dalen. The <i>Zīj-i Nāṣirī</i> by Maḥmūd ibn ‘Umar: the Earliest Indian Zīj and Its Relation to the ‘Alā’ī <i>Zīj</i>	825
Current Bibliography of David Pingree	863
Index of names of ancient and medieval authors	883