

1. Record Nr.	UNINA9910488706303321
Autore	Orchiston D. Wayne
Titolo	Exploring the History of Southeast Asian Astronomy : A Review of Current Projects and Future Prospects and Possibilities // edited by Wayne Orchiston, Mayank N. Vahia
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-62777-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (820 pages)
Collana	Historical & Cultural Astronomy, , 2509-3118
Disciplina	520
Soggetti	Astronomy—Observations Physics—Philosophy Southeast Asia—History Cultural property Astronomy, Observations and Techniques Philosophical Foundations of Physics and Astronomy History of Southeast Asia Cultural Heritage
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1: Introductory Studies -- Chapter 1: Exploring the History of Southeast Asian Astronomy: A Checklist of Recent Research and Future Prospects and Possibilities -- Chapter 2: Exploring the History of Philippine Astronomy: Catholics, Comets, Eclipses and Ethnoastronomy -- Part 2: Southeast Asian Studies: Eclipses, Calendars, Time-keeping and Tropical Astronomy -- Chapter 3: A Brief History of Vietnamese Astronomy and Calendars during the Reign of the Royal Dynasties -- Chapter 4: Solar and Lunar Eclipse Records in Vietnam from Ancient Times through to the Nineteenth Century -- Chapter 5: Father Antoine Thomas and the Birth of 'Modern Astronomy' in Thailand -- Chapter 6: King Rama IV: Astronomer and 'The Father of Thai Science' -- Chapter 7: J.A.C. Oudemans and Nineteenth Century Astronomy in the Dutch East Indies -- Chapter 8: The 1875 British Solar Eclipse Expedition to Siam Led by Dr Arthur Schuster -- Chapter 9: Observations of the 6

April 1875 Total Solar Eclipse from the Grand Palace in Bangkok -- Chapter 10: The Total Solar Eclipse of 9 May 1929: British and German Expeditions to Pattani in Southern Siam -- Chapter 11: The Total Solar Eclipse of 9 May 1929: the British Expedition to Alor Star in the Unfederated Malay State of Kedah -- Chapter 12: Time Signals for Mariners in SE Asia: Time Balls, Discs, Bells, Guns and Lights -- Part 3: Southeast Asian Studies: Archaeoastronomy and Ethnoastronomy -- Chapter 13: An Archaeoastronomical Investigation of Vaastu Shastra Principles (Vedic Architecture) Implemented in the City Planning of Ancient Chiang Mai -- Chapter 14: Astronomical Aspects of the Prambanan Temple in Central Java, Indonesia -- Chapter 15: Astronomical Knowledge and Practices of the Orang Asli of Malaysia -- Chapter 16: The Linkage Between Asterisms and Local Ecological Systems among the Austronesian Speakers of Southeast Asia -- Chapter 17: Folk Astronomy of the Northern West Coast of Peninsula Malaysia -- Chapter 18: Star Patterns in Mandar Navigation -- Chapter 19: Ethnoastronomy in Madura, Indonesia: Observations of the Night Sky and Eclipses -- Chapter 20: The Pengalantaka Eka Sungsang Ka Paing System and a Diagram for Determining Purnama and Tilem in the Balinese Calendar -- Part 4: Southeast Asia in Regional Context -- Chapter 21: Possible Influences of India on Southeast Asian Astronomy: A Brief Review of the Archaeoastronomical Record -- Chapter 22: The Influence of India on Southeast Asian Astronomy: Of Calendars and Calculations -- Chapter 23: Investigating the Astronomical Histories of India and Southeast Asia: The Role of Stone Inscriptions -- Chapter 24: The Evolution of Local Southeast Asian Astronomy and the Influence of China, India, the Islamic World and the West -- The Authors -- Index.

Sommario/riassunto

This edited volume contains 24 different research papers by members of the History and Heritage Working Group of the Southeast Asian Astronomy Network. The chapters were prepared by astronomers from Australia, France, Germany, India, Indonesia, Japan, Malaysia, the Philippines, Scotland, Sweden, Thailand and Vietnam. They represent the latest understanding of cultural and scientific interchange in the region over time, from ethnoastronomy to archaeoastronomy and more. Gathering together researchers from various locales, this volume enabled new connections to be made in service of building a more holistic vision of astronomical history in Southeast Asia, which boasts a proud and deep tradition.
