

Part 2

China in a European Mirror

1. Institutions, Personnel and Urban Sites for the Investigation of the Natural World
 - Secondary and Higher Education
 - Urban and Maritime Sites for the Production of Useful Knowledge
 - Incentives and Markets for Knowledge
 - Storage, Retrieval and Diffusion Mechanisms
2. Programmes for the Production of Knowledge
 - Patronage: State and Private
 - Styles of Investigation
- 3 European Historiography and Scientific Revolution from Copernicus to Newton
 - The Christianization of Pagan and Islamic Knowledge in Medieval Europe
 - The Renaissance
 - The Restoration
 - European Expansion Overseas
 - The recovery of classical geography
 - Navigation
 - Shipbuilding
 - Armed Ships
 - Imported Knowledge Embraced in Commodities
 - Foodstuffs
 - Raw Materials
 - Cotton
- 4 The Scientific Revolution as an Interlude for the Recovery Extension of Knowledge and for Reordering of Cultures and Cosmologies
 - Renaissance Recovers Knowledge
 - Commerce Extends the Base of Knowledge
 - Commerce Multiplies the Sites for the Acquisition and Diffusion of Knowledge

The Reordering of Culture particularly Elite Culture

- Celestial Knowledge
- Terrestrial Knowledge
- Biological Knowledge

Rival Systems of Knowledge

- Theological and Ecclesiastical
- Hermetic
- Celestial Knowledge and Natural Laws

Regimes for the Production of Useful and Reliable Knowledge in Western Europe and China from the Accession of the Ming Dynasty to the First Opium War

1. The Needham Puzzle
 - The degradation of classical Marxism

- The undermining of “Weberian” Cultural and Institutional Hypotheses
- The Partial and Subsidiary Rate of Colonization and Commerce
- The Needham Puzzle?

When, how and why do regimes for the production of useful and reliable knowledge become more favourable in Western Europe?

2. The Conflation of Histories of Science and Technology into a History of Useful and Reliable Knowledge

- Distinctions between Science and Technology are not heuristic for understanding economic growth
- Loops of Interconnections
- Discussion Mechanisms
 - Books
 - Migrations
 - Networks and Associations
- European and Asian Trajectories

3. Contrasting Cosmologies in the East and the West

- The Confucian Principles and Agendas
- Rediscoveries and Restorations
- Competing Cosmologies
- Natural Laws and Philosophies

4. The Reordering of Cultures and the Hegemony of Secular Science