Scientific Aspects of European Expansion

edited by
William K. Storey

VARIORUM
1996
Contents

Acknowledgements vii
General Editor's Preface ix
Introduction xiii

1 The Spread of Western Science
George Basalla 1

2 On Visiting the 'Moving Metropolis': Reflections on the Architecture of Imperial Science
Roy MacLeod 23

3 Viajes, comisiones y expediciones científicas españolas a ultramar durante el siglo XVIII
Francisco de Solano 56

4 Science for Political Purposes: European Explorations of the Pacific Ocean, 1764–1806
Alan Frost 67

5 Seapower and Science: The Motives for Pacific Exploration
Daniel A. Baugh 85

6 Anthropological Analysis of Exploration Texts: Cultural Discourse and the Ethnological Import of Fray Marcos de Niza's Journey to Cibola
Daniel T. Reff 140

7 Silences and Secrets: The Hidden Agenda of Cartography in Early Modern Europe
J.B. Harley 161

8 English Charting of the River Amazon c. 1595–c. 1630
Sarah Tyacke 181

9 The Influence of Father Ricci on Far Eastern Cartography
Helen Wallis 198

10 Amerindian Contributions to the Mapping of North America: A Preliminary View
Louis De Vorsey 211
11 Indicators of Unacknowledged Assimilations from Amerindian Maps on Euro-American Maps of North America: Some General Principles Arising from the Study of La Vérendrye's Composite Map, 1728–29
G. Malcolm Lewis 219

12 Ayurvedic Medicine in Goa According to the European Sources in the Sixteenth and Seventeenth Centuries
John M. de Figueiredo 247

13 The Pre-History of Modern Science in Japan: The Importation of Western Science During the Tokugawa Period
Yabuuti Kiyosi 258

14 Chinese Astronomy and the Jesuit Mission: An Encounter of Cultures
Joseph Needham 283

15 Western Mathematics in China, Seventeenth Century and Nineteenth Century
Catherine Jami 305

16 Ottomans and European Science
Ekmeleddin Ihsanoglu 315

Index 327