

Contents

Note on Conventions xiii

Tables and Figures xv

Acknowledgments xix

Introduction 3

F. Jamil Ragep and Rivka Feldhay

PART ONE THE FIFTEENTH-CENTURY EUROPEAN SOCIAL AND POLITICAL CONTEXTS

1 What Did It Mean to Live in the Long Fifteenth Century? 17

Christopher S. Celenza

2 European Cross-Cultural Contexts before Copernicus 29

Nancy Bisaha

PART TWO THE FIFTEENTH-CENTURY EUROPEAN INTELLECTUAL AND SCIENTIFIC CONTEXTS

3 The Status of Astronomy as a Science in Fifteenth-Century Cracow:
Ibn al-Haytham, Peurbach, and Copernicus 45

Edith Dudley Sylla

4 Regiomontanus and Astronomical Controversy in the Background
of Copernicus 79

Michael H. Shank

5 Framing the Appearances in the Fifteenth Century: Alberti, Cusa,
Regiomontanus, and Copernicus 110

Raz Chen-Morris and Rivka Feldhay

PART THREE THE MULTICULTURAL ASTRONOMICAL
BACKGROUND TO THE COPERNICAN REVOLUTION

- 6 Fifteenth-Century Astronomy in the Islamic World 143
Sally P. Ragep
- 7 From Tūn to Toruń: The Twists and Turns of the Ṭūsi-Couple 161
F. Jamil Ragep
- 8 Jews as Scientific Intermediaries in the European Renaissance 198
Robert Morrison
- Notes* 215
- Bibliography* 283
- Contributors* 321
- Index* 323