

Contents

List of Tables and Figures page viii

List of Contributors ix

Preface xiii

Introduction: The Disciplinary Revolutions of Early Modern Philosophy and Science 1

DAVID MARSHALL MILLER AND DANA JALOBEANU

PART I THE DISCIPLINES

1 · The Uses of Ancient Philosophy 15

DMITRI LEVITIN

2 · *Novatores* 35

DANIEL GARBER

3 · Renaissance Aristotelianism(s) 58

HELEN HATTAB

4 · What To Do With the Mechanical Philosophy? 75

SOPHIE ROUX

5 · The Later Sects: Cartesians, Gassendists, Leibnizians, and Newtonians 96

DELPHINE BELLIS

6 · Confessionalization and Natural Philosophy 111

ANDREAS BLANK

Contents

- 7 · The Rise of a Public Science? Women and Natural Philosophy
in the Early Modern Period 128
KAREN DETLEFSEN

PART II
DISCIPLINARY ACTIVITIES

- 8 · The Art of Thinking 149
SORANA CORNEANU AND KOEN VERMEIR
- 9 · Astrology, Natural Magic, and the Scientific Revolution 167
STEPHEN CLUCAS

- 10 · Practitioners' Knowledge 184
JOEL A. KLEIN

- 11 · Medicine and the Science of the Living Body 201
PETER DISTELZWEIG AND EVAN RAGLAND

- 12 · Experimental Natural History 222
PETER R. ANSTEY AND DANA JALOBEANU

- 13 · Celestial Physics 238
PIETRO DANIEL OMODEO AND JONATHAN REGIER

- 14 · Applying Mathematics to Nature 254
MAARTEN VAN DYCK

- 15 · Mathematical Innovation and Tradition: The Cartesian Common
and the Leibnizian New Analyses 274
NICCOLÒ GUICCIARDINI

- 16 · Mechanics in Newton's Wake 293
BRIAN HEPBURN AND ZVI BIENER

PART III
PROBLEMS AND CONTROVERSIES

- 17 · Galileo's *Sidereus Nuncius* and Its Reception 315
DAVID MARSHALL MILLER

Cambridge University Press & Assessment

978-1-108-41367-1 — The Cambridge History of Philosophy of the Scientific Revolution

Edited by David Marshall Miller, Dana Jalobeanu

Table of Contents

[More Information](#)

Contents

18 · Instruments and the Senses 331

PHILIPPE HAMOU

19 · Science of Mind 350

MARTINE PÉCHARMAN

20 · Circulation and the New Physiology 369

GIDEON MANNING

21 · From Metaphysical Principles to Dynamical Laws 387

MARIUS STAN

22 · The Debate About Body and Extension 406

GEOFFREY GORHAM AND EDWARD SLOWIK

23 · Space and Its Relationship to God 424

ANDREW JANIAK AND EMILY THOMAS

24 · The *Vis Viva* Controversy 439

ANNE-LISE REY

Bibliography 453

Index 524