### CONTENTS

List of Figure page ix Preface xi

Introduction 1

- I Altering the Perception of Nature 2
- II Nature and The Light of Nature 4
- III Needs, Politics and Money 7
- IV Necessity and Liberalism 10
- IV Outline of Chapters 13

# 1 A Christian Science: Searching for the Common Good and the Public Good 19

- 1.1 Deism, Neoplatonism and the Light of Reason 19
- 1.2 Scepticism and Moral Righteousness 31
- 1.3 Hobbes and Locke versus Filmer on Political Economy 37
- 1.4 The New Oeconomies: Household State Nature 44

## 2 Hobbes's Doctrine of Necessity 49

- 2.1 Hobbes's Doctrine of Necessity and Existence492.1.1 A Yearning for Necessity55
  - 2.1.2 Neoplatonist Necessary Existence of Avicenna 58
- 2.2 Necessitarian Metaphysics and (Human) Body in Avicenna and Hobbes 62
  - 2.2.1 Hobbes's Early Necessitarianism 69
  - 2.2.2 Hobbes's Metaphysics of Bodies and Its Implication to Morality 71

# 3 Necessities, Natural Rights and Sovereignty in Leviathan 76

- 3.1 Hobbes's Necessity, Theology and Natural Laws 76
  - 3.1.1 Within the Tradition of Power 77
  - 3.1.2 The Tradition of Natural Laws Updated 80
- 3.2 The Doctrine of Necessity in *Leviathan* 84
  - 3.2.1 Natural Rights and Necessity 86
  - 3.2.2 The Needs of Others 89

	<ul> <li>3.2.3 Naturalism 91</li> <li>3.2.4 The Needs of the Sovereign 93</li> <li>3.2.5 The Necessary Freedom 96</li> <li>3.2.6 Faith and Necessity 101</li> </ul>	
4	Reformers on the Necessary Knowledge 105	
	<ul> <li>4.1 Useful Knowledge as the Only Necessary Knowledge: Benjamin Worsley in Context 105</li> <li>4.1.1 Jan Comenius and Sir Cheney Culpeper on Nature 110</li> <li>4.1.2 A 'Professor of Necessities' 114</li> <li>4.1.3 Robert Boyle: Between Nature and Utilitarian Science 118</li> </ul>	
	<ul> <li>4.2 All-Encompassing Human Necessities 120</li> <li>4.2.1 Hartlib's 'Office of Publick Address' 120</li> <li>4.2.2 'A Well-Regulated Plantation' 126</li> <li>4.2.3 The Knowledge of Trade 131</li> </ul>	
5	Necessity, Free Will and Conscience: Robert Sanderson 130	б
	<ul> <li>5.1 Logician and Theologian 136</li> <li>5.1.1 An English Casuist 136</li> <li>5.1.2 Predestination, Necessity and Free Will 140</li> </ul>	
	<ul> <li>5.2 The Mechanical Conscience 144</li> <li>5.2.1 The Age of Conscience 144</li> <li>5.2.2 Albert the Great, Aquinas and Ralph Cudworth on the Agent Intellect 147</li> <li>5.2.3 Necessary Discursive Reasoning 152</li> <li>5.2.4 The Necessity of Obedience 156</li> </ul>	
6	The Grand Business of Nature 163	
Ū	6.1 The Occonomy of Nature 163 6.1.1 The Last Atom 166 6.1.2 The Multiplier 169 6.1.3 Natural Philosophy without Moral Natural Law 174	
	<ul> <li>6.2 The Fact of Man 181</li> <li>6.2.1 Voluntarist Law 181</li> <li>6.2.2 Aretology: Embracing Human Body 184</li> </ul>	
	<ul> <li>6.3 The Grand Business of Nature 190</li> <li>6.3.1 Aquinas's Theology of Use 191</li> <li>6.3.2 Knowing the Bountiful Nature 194</li> <li>6.3.3 Technology from the Plantations 200</li> </ul>	
7	Robert Boyle, the Empire over Nature 205	
	<ul> <li>7.1 Nothing Is Necessary: Benjamin Worsley Revisited 205</li> <li>7.1.1 Mentoring Boyle 208</li> <li>7.1.2 Worsley the Prophet 212</li> </ul>	
	<ul> <li>7.2 The Transmutator of Nature 214</li> <li>7.2.1 God's Concurrence 215</li> <li>7.2.2 The Uncertain Boundaries of Natures 218</li> </ul>	

#### CONTENTS

	<ul> <li>7.2.3 God's Arbitrary Will and Humans' Right Reasoning 221</li> <li>7.2.4 The Viewpoint in Boyle's Laws of Nature 224</li> <li>7.2.5 Selden, Milton, Cumberland and Boyle on Weakness of Reason 228</li> </ul>
	<ul> <li>7.3 Undoing Nature 233</li> <li>7.3.1 The Unlimited Reason 234</li> <li>7.3.2 The 'Unnecessariness' of Nature 238</li> </ul>
8	Locke's Early Writings 244
	<ul> <li>8.1 Independent Judgment of Conscience, Public Order and Public Interest 244</li> <li>8.1.1 The Governance of 'Matters Indifferent' 244</li> <li>8.1.2 Locke's <i>Tracts on Government</i> and Judgment about Necessary Things 248</li> <li>8.1.3 Moral Perplexity Erased 255</li> </ul>
	8.2Undoing Conscience2618.2.1No Innate Principles2618.2.2Common Necessities and Not Interest266
9	Medicine, Oeconomy and Needs 273
	9.1 The Oeconomy of Needs2739.1.1 Resituating Locke's Natural Law in a Philosophy of Necessities and Needs2739.1.2 Studying and Practicing Medicine2769.1.3 Galenism284
	<ul> <li>9.2 Physicians and Oeconomia 291</li> <li>9.2.1 Towards a Politics of Household 291</li> <li>9.2.2 Politicization and Depoliticization of Needs 297</li> <li>9.2.3 Avicenna's Kitâb Al-siyâsa (Politics), the Metaphysics of "The Healing" and the Pragmatic Politicization of Needs 306</li> </ul>
10	Money and the Doctrine of Necessities 313
	10.1Locke's Doctrine of Necessities31310.1.1A Changing Perspective: Corpuscularianism31310.1.2Necessities319
	10.1.3 The (Sometimes Dark) Politics of Necessities 324
	10.2 Usury, Interest and Science33310.2.1 Fraternal Love versus Love of Money33510.2.2 The Acts against Usury33810.2.3 The Concerns of Gerard Malynes34210.2.4 The Scholars' Discussion34310.2.5 Economists and Scientists349
11	The Scientification of Money 357

11.1 The Science of Interest 357

### CONTENTS

	11.1.1 From Potter to Ireland: Money	
	Is Running Debt 361	
	11.1.2 Theorizing on Interest and Money 365	
	11.1.3 Locke's Theory of Interest 371	
	11.1.4 Money as Necessity 377	
	11.2 The Morality of Capital 380	
	11.2.1 Money as Reason of State 380	
	11.2.2 The Right Stock-Jobbing 383	
1 <b>2</b>	The Doctrine of Necessities and the (Public) Good	390
	12.1 Necessity and Necessities in Knowledge and Morality:	
	An Essay Concerning Human Understanding 390	
	12.1.1 Epistemology and Necessities 391	
	12.1.2 Between Aquinas and Henry of Ghent 394	
	12.1.3 Necessary Happiness 399	
	12.2 Necessities, Dominion and Money in the	
	Two Treatises of Government 401	
	12.2.1 Dominion for Necessities 401	
	12.2.2 Private Property and Money 408	
	12.2.3 Preservation, Government and the Public Good	413
	Conclusions 419	

Index 428

Bibliography appears only online