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 <i>Oeconomies</i> : Household – State – Nature 44
2	Hobbes's Doctrine of Necessity 49 2.1 Hobbes's Doctrine of Necessity and Existence 49 2.1.1 A Yearning for Necessity 55 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 3.1 Hobbes's Necessity, Theology and Natural Laws 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

vi CONTENTS

	3.2.4 The Needs of the Sovereign 93 3.2.5 The Necessary Freedom 96 3.2.6 Faith and Necessity 101					
4	Reformers on the Necessary Knowledge 105					
	 4.1 Useful Knowledge as the Only Necessary Knowledge: Benjamin Worsley in Context 105 4.1.1 Jan Comenius and Sir Cheney Culpeper on Nature 110 4.1.2 A 'Professor of Necessities' 114 4.1.3 Robert Boyle: Between Nature and Utilitarian Science 118 					
	 4.2 All-Encompassing Human Necessities 120 4.2.1 Hartlib's 'Office of Publick Address' 120 4.2.2 'A Well-Regulated Plantation' 126 4.2.3 The Knowledge of Trade 131 					
5	Necessity, Free Will and Conscience: Robert Sanderson 136					
	 5.1 Logician and Theologian 136 5.1.1 An English Casuist 136 5.1.2 Predestination, Necessity and Free Will 140 					
	 5.2 The Mechanical Conscience 144 5.2.1 The Age of Conscience 144 5.2.2 Albert the Great, Aquinas and Ralph Cudworth on the Agent Intellect 147 5.2.3 Necessary Discursive Reasoning 152 5.2.4 The Necessity of Obedience 156 					
	•					
6	The Grand Business of Nature 163 6.1 The Oeconomy 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					
	6.2 The Fact of Man 1816.2.1 Voluntarist Law 1816.2.2 Aretology: Embracing Human Body 184					
	 6.3 The Grand Business of Nature 190 6.3.1 Aquinas's Theology of Use 191 6.3.2 Knowing the Bountiful Nature 194 6.3.3 Technology from the Plantations 200 					
7	Robert Boyle, the Empire over Nature 205					
	 7.1 Nothing Is Necessary: Benjamin Worsley Revisited 205 7.1.1 Mentoring Boyle 208 7.1.2 Worsley the Prophet 212 					
	 7.2 The Transmutator of Nature 214 7.2.1 God's Concurrence 215 7.2.2 The Uncertain Boundaries of Natures 218 					

CONTENTS vii

		 7.2.3 God's Arbitrary Will and Humans' Right Reasoning 221 7.2.4 The Viewpoint in Boyle's Laws of Nature 224 7.2.5 Selden, Milton, Cumberland and Boyle on Weakness of Reason 228 				
	7.3	Undoing Nature 233 7.3.1 The Unlimited Reason 234 7.3.2 The 'Unnecessariness' of Nature 238				
8	Locke's Early Writings 244					
	8.1	Independent Judgment of Conscience, Public Order and Public Interest 244 8.1.1 The Governance of 'Matters Indifferent' 244 8.1.2 Locke's <i>Tracts on Government</i> and Judgment about Necessary Things 248 8.1.3 Moral Perplexity Erased 255				
	8.2	Undoing Conscience 261 8.2.1 No Innate Principles 261 8.2.2 Common Necessities and Not Interest 266				
9	Medicine, <i>Oeconomy</i> and Needs 273					
	9.1	The Oeconomy of Needs 273 9.1.1 Resituating Locke's Natural Law in a Philosophy of Necessities and Needs 273 9.1.2 Studying and Practicing Medicine 276 9.1.3 Galenism 284				
	9.2	Physicians and <i>Oeconomia</i> 291 9.2.1 Towards a Politics of Household 291 9.2.2 Politicization and Depoliticization of Needs 297 9.2.3 Avicenna's <i>Kitâb Al-siyâsa</i> (<i>Politics</i>), the <i>Metaphysics</i> of "The Healing" and the Pragmatic Politicization of Needs 306				
10	Mo	oney and the Doctrine of Necessities 313				
	10.1	Locke's Doctrine of Necessities 313 10.1.1 A Changing Perspective: Corpuscularianism 313 10.1.2 Necessities 319				
		10.1.3 The (Sometimes Dark) Politics of Necessities 324				
	10.2	Usury, Interest and Science 333 10.2.1 Fraternal Love versus Love of Money 335 10.2.2 The Acts against Usury 338 10.2.3 The Concerns of Gerard Malynes 342 10.2.4 The Scholars' Discussion 343 10.2.5 Economists and Scientists 349				
11		e Scientification of Money 357				

viii 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 M	Morality of Capital 380	
	11.2.1	Money as Reason of State 380	
	11.2.2	The Right Stock-Jobbing 383	
12	The Doc	trine of Necessities and the (Public) Good	390
	12.1 Neces	ssity and Necessities in Knowledge and Morality:	
	An Es	ssay 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 Neces	ssities, 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
	Conclusi	ions 419	
	Index	428	

Bibliography appears only online