

# Contents

Series Foreword ix

Preface xi

- 1 The Challenge of Novelty 1**
  - 1.1 Introduction 1
  - 1.2 The Social Intelligence Hypothesis 6
  - 1.3 Cooperative Foraging 10
  - 1.4 Cooperative Foraging and Knowledge Accumulation 12
  - 1.5 Life in a Changing World 16
  
- 2 Accumulating Cognitive Capital 23**
  - 2.1 A Lineage Explanation of Social Learning 23
  - 2.2 Feedback Loops 29
  - 2.3 The Apprentice Learning Model 34
  
- 3 Adapted Individuals, Adapted Environments 45**
  - 3.1 Behavioral Modernity 45
  - 3.2 The Symbolic Species 48
  - 3.3 Public Symbols and Social Worlds 52
  - 3.4 Preserving and Expanding Information 55
  - 3.5 Niche Construction and Neanderthal Extinction 62
  
- 4 The Human Cooperation Syndrome 73**
  - 4.1 Triggering Cooperation 73
  - 4.2 A Cooperation Complex 75
  - 4.3 The Grandmother Hypothesis 80
  - 4.4 Foragers: Ancient and Modern 89
  - 4.5 Hunting: Provisioning or Signaling? 94

<b>5</b>	<b>Costs and Commitments</b>	<b>101</b>
5.1	Free Riders	101
5.2	Control and Commitment	103
5.3	Commitment Mechanisms	106
5.4	Signals, Investments, and Interventions	109
5.5	Hunting and Commitment	113
5.6	Commitment through Investment	118
5.7	Primitive Trust	122
<b>6</b>	<b>Signals, Cooperation, and Learning</b>	<b>125</b>
6.1	Sperber's Dilemma	125
6.2	Two Faces of Cultural Learning	130
6.3	Honesty Mechanisms	132
6.4	The Folk as Educators	143
<b>7</b>	<b>From Skills to Norms</b>	<b>151</b>
7.1	Norms and Communities	151
7.2	Moral Nativism	153
7.3	Self-Control, Vigilance, and Persuasion	155
7.4	Reactive and Reflective Moral Response	160
7.5	Moral Apprentices	163
7.6	The Biological Preparation of Moral Development	165
7.7	The Expansion of Cultural Learning	169
<b>8</b>	<b>Cooperation and Conflict</b>	<b>173</b>
8.1	Group Selection	173
8.2	Strong Reciprocity and Human Cooperation	178
8.3	Children of Strife?	186
8.4	The Holocene: A World Queerer Than We Realized?	190
	Notes	199
	References	211
	Index	237