

Contents

List of Figures	<i>page</i> xi
List of Tables	xii
List of Contributors	xiii
Preface	xvii
Acknowledgments	xix

PART I THE COMPARATIVE APPROACH

1 Human–Grey Parrot Comparisons in Cognitive Performance	3
Irene M. Pepperberg	
2 Cognitive Abilities in Elephants	14
Lucy Bates	
3 Culture and Communication among Cetaceans	23
Ellen C. Garland and Luke Rendell	

PART II SOCIOCULTURAL ANTHROPOLOGY AND EVOLUTION

4 Eusociality in Humans.....	37
Laura Betzig	
5 The Nature and Psychological Foundation of Social Universals	47
Bernard Chapais	
6 The Study of Culture and Evolution across Disciplines	61
Alex Mesoudi	

PART III EVOLUTION AND NEUROSCIENCE

7 Are Evolutionary Psychology and the Neuroscience of Motivation Compatible?	77
Frederick M. Toates	
8 Are We Designed to Be Happy? The Neuroscience of Making Sense of Pleasure	91
Eloise Stark, Kent C. Berridge, and Morten L. Kringelbach	

- 9 Environmental Pressures on Transgenerational Epigenetic Inheritance:
 An Evolutionary Development Mechanism Influencing Atypical
 Neurodevelopment in Autism? 97
 Dwaipayan Adhya, Aicha Massrali, Arkoprovo Paul, Mark Kotter, Jason
 Carroll, Deepak Srivastava, Jack Price, and Simon Baron-Cohen

**PART IV GROUP LIVING: THE EVOLUTION OF SOCIAL
 AND MORAL BEHAVIOR**

- 10 The Problem of Altruism and Future Directions 125
 Luke Colquhoun, Lance Workman, and Jo Fowler
- 11 Can Evolutionary Processes Explain the Origins of Morality? 139
 Dennis L. Krebs
- 12 The Evolution and Function of Third-Party Moral Judgment 150
 Will Reader and Sara Hughes
- 13 Evolution of the Human Family 158
 Craig T. Palmer and Kathryn Coe
- 14 The Parasite-Stress Theory of Cultural Values and Sociality 167
 Randy Thornhill and Corey L. Fincher
- 15 The Evolution of Pride and Shame 179
 Alec T. Beall and Jessica L. Tracy
- 16 Thinking Outside the Head: Cognitive Ecologies and Evolutionary
 Psychology 194
 Louise Barrett

PART V EVOLUTION AND COGNITION

- 17 Runaway Processes in Modern Human Culture: An Evolutionary
 Approach to Exaggerated Communication in Present
 Human Societies 211
 Ádám Miklósi and Veronika Konok
- 18 Ontogeny of Tactical Deception 225
 Peter J. LaFreniere and Rachelle M. Smith
- 19 The Evolution of Language: A Darwinian Approach 233
 Michael C. Corballis
- 20 The Adaptive Problem of Exploiting Resources: Human Foraging
 Behavior in Patchy Environments 241
 Andreas Wilke

PART VI EVOLUTION AND DEVELOPMENT

- 21 Evolutionary Developmental Psychology: Developing Adaptations
 in Infancy and Childhood 253
 Alyson J. Myers and David F. Bjorklund
- 22 The Ontogeny and Evolution of Cooperation 265
 Sebastian Grüneisen and Emily Wyman

23	Genomic Imprinting Is Critical for Understanding the Development and Adaptive Design of Psychological Mechanisms in Humans and Other Animals	276
	William M. Brown	
24	Evolutionary Explanations for Bullying Behavior	284
	Peter K. Smith	
25	Birth Order and Evolutionary Psychology	299
	Frank J. Sulloway	

PART VII SEXUAL SELECTION AND HUMAN SEX DIFFERENCES

26	Survival, Selection, and Sex Differences in Fear	313
	Anne Campbell	
27	The Enigmatic Urge: How Sexual Desire Works	330
	Frederick M. Toates	
28	Are Humans Peacocks or Robins?	342
	Steve Stewart-Williams	
29	Human Mate Selection: A Multidimensional Approach.....	353
	Daniel Conroy-Beam and David M. Buss	
30	Kin Selection and the Evolution of Male Androphilia	366
	Paul L. Vasey, Lanna J. Petterson, Scott W. Semenyna, Francisco R. Gómez Jiménez, and Doug P. VanderLaan	
31	Evolutionary Psychology: Thoughts on Integrating Feminist Perspectives.....	378
	Maryanne L. Fisher, Justin R. Garcia, and Rebecca L. Burch	

PART VIII ABNORMAL BEHAVIOR AND EVOLUTIONARY PSYCHOPATHOLOGY

32	Psychopathology from an Evolutionary Perspective	395
	William J. Ray	
33	Are We on the Verge of Darwinian Psychiatry?	409
	Alfonso Troisi	
34	The Evolution of Pro-social Behavior: From Caring to Compassion	419
	Paul Gilbert	
35	Disordered Social Cognition: Alexithymia and Interoception.....	436
	Rebecca Brewer and Geoffrey Bird	

PART IX APPLYING EVOLUTIONARY PRINCIPLES

36	A Bridge Too Far? Evolutionary Psychology and the Solution of Social Problems	451
	Abraham P. Buunk	
37	The Evolution of Personality	462
	Adrian Furnham and Satoshi Kanazawa	
38	Applying Evolutionary Principles to Criminality	471
	Sandie Taylor and Lance Workman	

x CONTENTS

-
- | | | |
|----|--|-----|
| 39 | Substitute Parenting | 481 |
| | Martin Daly and Gretchen Perry | |
| 40 | Historians and the Evolutionary Approach to Human Behavior | 489 |
| | Gregory Hanlon | |
| 41 | The Psychology of Extraterrestrials: The New Frontier? | 507 |
| | Jerome H. Barkow | |

PART X EVOLUTION AND THE MEDIA

- | | | |
|----|---|-----|
| 42 | Daily Talk Shows as Virtual Gossip Communities | 517 |
| | Clemens Schwender | |
| 43 | Supernormal Stimuli in the Media | 527 |
| | Deirdre Barrett | |
| 44 | An Evolutionary Approach to Horror Media | 538 |
| | Mathias Clasen and Jens Kjeldgaard-Christiansen | |
| 45 | The Internet Is for Porn: Evolutionary Perspectives on Online Pornography | 548 |
| | Catherine Salmon, Maryanne L. Fisher, and Rebecca L. Burch | |
| | Index | 558 |