CONTENTS

- I. Meetings Across the Tree of Life 3

 Two Meetings and a Departure ~ Outlines
- 2. A History of Animals 15

 Beginnings ~ Living Together ~ Neurons and Nervous Systems ~

 The Garden ~ Senses ~ The Fork
- 3. Mischief and Craft 43
 In a Sponge Garden ~ Evolution of the Cephalopods ~ Puzzles
 of Octopus Intelligence ~ Visiting Octopolis ~ Nervous
 Evolution ~ Body and Control ~ Convergence and Divergence
- 4. From White Noise to Consciousness 77
 What It's Like ~ Evolution of Experience ~ Latecomer versus
 Transformation ~ The Case of the Octopus
- 5. Making Colors 107
 The Giant Cuttlefish ~ Making Colors ~ Seeing Colors ~
 Being Seen ~ Baboon and Squid ~ Symphony

- 6. Our Minds and Others 137
 From Hume to Vygotsky ~ Word Made Flesh ~ Conscious
 Experience ~ Full Circle
- 7. Experience Compressed 159

 Decline ~ Life and Death ~ A Swarm of Motorcycles ~ Long

 and Short Lives ~ Ghosts
- 8. Octopolis 179

 An Armful of Octopuses ~ Origins of Octopolis ~ Parallel

 Lines ~ The Oceans

Notes 205
Acknowledgments 239
Index 241