

# CONTENTS

Foreword by Harry W. Greene	ix
Acknowledgments	xiii
Prologue: The Case for <i>Anolis</i>	xvii
1. Evolutionary Biology as a Historical Science	1
2. Meet the Anoles!	11
3. Five Anole Faunas, Part One: Greater Antillean Ecomorphs	29
4. Five Anole Faunas, Part Two: The Other Four	59
5. Phylogenetics, Evolutionary Inference, and Anole Relationships	81
6. Phylogenetic Perspective on the Timing and Biogeography of Anole Evolution	99
7. Evolution of Ecomorphological Diversity	113
8. Cradle to Grave: Anole Life History and Population Biology	135
9. Social Behavior, Sexual Selection, and Sexual Dimorphism	161
10. Habitat Use	189
11. Ecology and Adaptive Radiation	205

12.	Natural Selection and Microevolution	·	233
13.	Form, Function, and Adaptive Radiation	·	257
14.	Speciation and Geographic Differentiation	·	291
15.	The Evolution of an Adaptive Radiation	·	317
16.	The Five Faunas Reconsidered	·	351
17.	Are Anoles Special, and If So, Why?	·	383
	Afterword	·	411
	References	·	421
	Index	·	495