

Contents

List of contributors	page vii		
Preface	ix		
1 The evolution of alternative reproductive tactics: concepts and questions	1		
MICHAEL TABORSKY, RUI F. OLIVEIRA, AND H. JANE BROCKMANN			
PART I ULTIMATE CAUSES AND ORIGINS OF ALTERNATIVE REPRODUCTIVE TACTICS	23		
2 Alternative reproductive tactics and the evolution of alternative allocation phenotypes	25		
H. JANE BROCKMANN AND MICHAEL TABORSKY			
3 Phylogenetic analysis of alternative reproductive tactics: problems and possibilities	52		
VÍTOR C. ALMADA AND JOANA I. ROBALO			
4 Modeling alternative mating tactics as dynamic games	63		
JEFFREY R. LUCAS AND RICHARD D. HOWARD			
PART II PROXIMATE MECHANISMS OF ALTERNATIVE REPRODUCTIVE TACTICS	83		
5 The roles of genes and the environment in the expression and evolution of alternative tactics	85		
DOUGLAS J. EMLEN			
6 Neuroendocrine mechanisms of alternative reproductive tactics: the chemical language of reproductive and social plasticity	109		
ANDREW H. BASS AND PAUL M. FORLANO			
7 Hormones and alternative reproductive tactics in vertebrates	132		
RUI F. OLIVEIRA, ADELINO V. M. CANÁRIO, AND ALBERT F. H. ROS			
PART III TAXONOMIC REVIEWS OF ALTERNATIVE REPRODUCTIVE TACTICS	175		
8 Alternative reproductive tactics in insects	177		
H. JANE BROCKMANN			
9 The expression of crustacean mating strategies	224		
STEPHEN M. SHUSTER			
10 Alternative reproductive tactics in fish	251		
MICHAEL TABORSKY			
11 Alternative reproductive tactics in amphibians	300		
KELLY R. ZAMUDIO AND LAUREN M. CHAN			
12 Alternative reproductive tactics in reptiles	332		
RYAN CALSBEEK AND BARRY SINERVO			
13 Alternative reproductive tactics in birds	343		
OLIVER KRÜGER			
14 Alternative reproductive tactics in nonprimate male mammals	356		
JERRY O. WOLFF			
15 Alternative reproductive tactics in primates	373		
JOANNA M. SETCHELL			
PART IV EMERGING PERSPECTIVES ON ALTERNATIVE REPRODUCTIVE TACTICS	399		
16 Communication and the evolution of alternative reproductive tactics	401		
DAVID M. GONÇALVES, RUI F. OLIVEIRA, AND PETER K. MCGREGOR			

17	Alternative mating tactics and mate choice for good genes or good care	421	20	Integrating mechanisms and function: prospects for future research	471
	BRYAN NEFF			H. JANE BROCKMANN, RUI F. OLIVEIRA, AND MICHAEL TABORSKY	
18	Conflict between the sexes and alternative reproductive tactics within a sex	435		<i>Index of species</i>	490
	SUZANNE H. ALONZO			<i>Subject index</i>	495
19	Cooperative breeding as an alternative reproductive tactic	451			
	WALTER D. KOENIG AND JANIS L. DICKINSON				