

Contents

List of Contributors	ix
Foreword	xi
<i>John Garcia</i>	
About This Book: The Life and Influence of Robert C. Bolles.....	1
<i>Michael S. Fanselow and Mark E. Bouton</i>	
Part I: Evolution, Phylogeny, and Ontogeny	11
1. Evolved Behavioral Mechanisms	13
<i>Lewis Petrinovich</i>	
2. Behavior Systems and the Demise of Equipotentiality: Historical Antecedents and Evidence From Sexual Conditioning	31
<i>Michael Domjan</i>	
3. Developmental Dissociation of the Components of Conditioned Fear.....	53
<i>Pamela S. Hunt and Byron A. Campbell</i>	
4. How Typical and Atypical Contexts Influence Infant Behavior	75
<i>Alexis C. Collier</i>	
Part II: The Motivation of Behavior.....	97
5. Regulation of Food Intake: Interactions Between Learning and Physiology	99
<i>Randy J. Seeley, Douglas S. Ramsay, and Stephen C. Woods</i>	
6. Motivation as a Function of Animal Versus Experimenter Control	117
<i>George Collier and Deanne Johnson</i>	
7. Feeding Dynamics: Why Rats Eat in Meals and What This Means for Foraging and Feeding Regulation	131
<i>John E. R. Staddon and B. Silvano Zanutto</i>	

8. Wheels, Clocks, and Anorexia in the Rat	163
<i>Robert A. Boakes</i>	
9. The Behaviors of Sleep and Sleepiness: An Overview	177
<i>Robert D. Ogilvie</i>	
Part III: Learned Food Preferences and Aversions	193
10. Sexual Dimorphisms in Conditioned Taste Aversions: Mechanism and Function	195
<i>Kathleen C. Chambers, David Yuan, Elizabeth A. Brownson, and Yuan Wang</i>	
11. Drug Discrimination Learning: Assessment of Opioid Receptor Pharmacology	225
<i>Anthony L. Riley</i>	
12. The Nature and Strength of Caloric Conditioning	255
<i>Paul M. Fedorchak</i>	
13. The Consummatory Rat: The Psychological Hedonism of Robert C. Bolles	271
<i>Ronald Mehiel</i>	
Part IV: Defensive Behavior	281
14. Stimulus, Environmental, and Pharmacological Control of Defensive Behaviors	283
<i>D. Caroline Blanchard</i>	
15. Performance Rules for Problem-Specific Defense Reactions	305
<i>Ronald A. Sigmundi</i>	
16. Species-Specific Defense Reactions: Retrospect and Prospect	321
<i>Michael S. Fanselow</i>	
Part V: Cognition in Animal Learning	343
17. Bolles's Psychological Syllogism	345
<i>Anthony Dickinson</i>	

18. The Neurobiology of Memory for Aversive Emotional Events	369
<i>Larry Cahill, Benno Roozendaal, and James L. McGaugh</i>	
19. Signals for Whether Versus When an Event Will Occur	385
<i>Mark E. Bouton</i>	
Appendix: The Publications of Robert C. Bolles.....	411
Author Index.....	423
Subject Index	439
About the Editors	451