

Contents

Acknowledgments	ix
1. Selection Thinking	3
2. Introduction to Sex Allocation	7
Dioecy and Sex Allocation	19
3. Sex Ratio and Discrete Generations	21
4. Sex Ratio When Fitness Varies—Spatial and Physiological Correlates	37
5. Sex Ratio in Spatially Structured Populations	67
6. Sex Ratio in Age-Structured Populations	93
7. Sex Ratio in Vertebrates	104
8. Conflict Situations for the Sex Ratio	121
Sequential Hermaphroditism (Sex Reversal)	129
9. Basic Stable Age Theory for Sex Reversal	131
10. Sex Reversal in Shrimp	142
11. Sex Reversal in Labroid Fishes	161
12. Some Special Animal Systems	179
13. Labile Sexuality (Sex Choice) in Plants	202
Simultaneous Hermaphroditism	217
14. Basic Discrete Generation Theory for Hermaphroditism	219
15. Hermaphroditism in Animals	238
16. Sex Types in Higher Plants	253
17. Two Plant Sex Types: Heterostyly and Dioecy	269
Conclusion: Thoughts for the Future	284
Appendix: Population Genetics of Sex Ratio	290
Literature Cited	299
Taxonomic Index (Genera)	345
Author Index	347
Subject Index	353

