Levels of Selection in Evolution

LAURENT KELLER, EDITOR

Princeton University Press
Princeton, New Jersey
# Contents

Acknowledgments ix

Contributors xi

1 Levels of Selection: Burying the Units-of-Selection Debate and Unearthing the Crucial New Issues
   H. Kern Reeve and Laurent Keller 3

2 Levels of Selection, Potential Conflicts, and Their Resolution: The Role of the “Common Good”
   Egbert Giles Leigh, Jr. 15

3 The First Replicators
   Eörs Szathmáry 31

4 Individuality, Immortality, and Sex
   Richard E. Michod 53

5 Sexual Conflict in Animals
   Catherine M. Lessells 75

6 Parent-Offspring Conflict
   H. Charles J. Godfray 100

7 Intragenomic Conflict
   Andrew Pomiankowski 121

8 Dynamics of Conflicts within Insect Societies
   Laurent Keller and H. Kern Reeve 153

9 Complexity in Vertebrate Societies
   Dawn M. Kitchen and Craig Packer 176

10 Conflict and Cooperation in Human Societies
    John Maynard Smith 197
Laws Governing Species Interactions? 
Encouragement and Caution from Figs and Their Associates
Edward Allen Herre

Lineage Selection: Natural Selection for Long-Term Benefit
Leonard Nunney

Literature Cited

Author Index

Subject Index