

I SOME GENERALIZATIONS	
1. A little History	7
2. Insect or Not-That Is the Question	19
3. To Be an Insect	28
4. Insects Are Not All Alike	45
II SUCCESS THROUGH SPECIALIZATION	
5. The Integument-Life in a Suit of Armor	61
6. Modes of Feeding and Related Adaptations	69
7. Legs, Wigs, and Locomotion	84
8. Gas Exchange-A Matter of Life and Breath	107
9. Reproduction, Growth, and Development	116
10. Perceiving the Environment	136
III BEHAVIOR	
11. Basic Responses and Patterns of Behavior	157
12. Dispersal and Migration	171
13. Insect Communication	184
14. Offense and Defense	200
15. Insect-made Structures	218
16. Social Organization and Behavior	232
IV ECOLOGY	
17. Insect Populations and Their Environment	253
18. Major Ecological Roles of Insects	274
19. Insects as a manageable Resource	293
20. Insects as Pests A Human Perspective	312
21. Insects as Vectors of Plant Pathogen	344
22. Insect and Human Health	355
23. Chemical Control-The Good and Bad of It.	377
24. Alternatives to Conventional Chemical Control	396
25. Biological Control-Organism Against Organism	421
26. Integrated Pest Management- An Ecological Approach	438
Appendix The Orders of Insects	453
Glossary	488
Index	501