## Contents

Acknowledgments vii	
Introduction 1	
PART 1. THEORIES AND FALSIFICATION	
1. The Logic of Falsification 7	
2. The Limits of Falsification 26	
3. Are There Crucial Experiments? 37	
4. Falsification and the Method of Difference 52	
PART 2. THE REJECTION OF THEORIES	
5. Popper's Methodological Falsificationism 63	
6. Responses to <i>Prima Facie</i> Falsifying Evidence 66	
PART 3. THE REPLACEMENT OF THEORIES	
7. Whewell on Scientific Progress 83	
8. Kuhn on Theory Replacement 90	
9. Lakatos on Progressive Research Programs 102	
10. The Asymptotic Agreement of Calculations 125	
PART 4. THE ACCEPTABILITY OF THEORIES	
11. Successful Prediction and the Acceptability of Theories 1	35
12. Variety within Evidence 155	
13. Other Factors in Theory Evaluation 167	
Conclusion 189	
Notes 193	
Index 201	