TABLE OF CONTENTS

CHAPTER I : The Historical Prolegomenon 1 - 21

Section 1. The Challenge Problem 1 - 4
Section 2. George Boole’s Theory of Probability 4 - 6
Section 3. Appraisals of Boole 6 - 9
Section 4. John Maynard Keynes 9 - 13
Section 5. Studying Boole’s Probability Theory 13 - 15
Section 6. Theodore Hailperin 15 - 20
Section 7. The Plan of Attack 20 - 21

CHAPTER II : Boole’s Logic and His Probability Theory 22 - 88

Section 8. Guide to this Chapter 22 - 23
Section 9. Boole’s Logic 23 - 36
Section 10. Boole’s Logical Analysis, Some Examples & Comments 36 - 42
Section 11. Boole’s Probability & the Orthodox Theory Contrasted 42 - 44
Section 12. Boole’s Assumptions 44 - 48
Section 13. Boole’s Probability Theory 48 - 57
Section 14. Boole’s Method: A Verbal Transcription 57 - 58
Section 15. The Determination of Boole’s V 59 - 60
Section 16. The Argument From V to the Equations 60 - 62
Section 17. The Solution of the Equations 62 - 66
Section 18. Boole’s Procedure: Simplified and Summarized 67 - 68
Section 19. An Example Comparing Boole’s Method with the Proposed Emendation 69 - 76
Section 20. Some of Boole’s Examples, Based on Two Events 76 - 78
Section 21. Some of Boole’s Examples, Based on Three Events 78 - 88

CHAPTER III : The Challenge Problem 89 - 108

Section 22. The Challenge Problem 89 - 90
Section 23. Cayley’s Solution of the Challenge Problem 90 - 93
Section 24. Boole’s Solution of the Challenge Problem 93 - 94
Section 25. Boole and Cayley: the Disagreement 94 - 100
Section 26. Keynes on the Challenge Problem 100 - 102
Section 27. Boole’s Variations on the Challenge Problem 102 - 105
Section 28. Wilbraham’s Criticism of Boole’s Solution 105 - 108