

TABLE OF CONTENTS

Preface	ix
Introduction	1
Part I: Q-COMPUTING	5
Black balls or white balls?	5
A twist on the balls	9
What follows in this book is the only option we know	16
Representing superpositions, the new state of physical/logical being	17
Is the mist really a “state of physical being”?	23
Computers without mist	24
Logic from the motion of matter	25
Mist through computer-rules boxes	27
Mist through both computer-rules and PETE boxes	29
Collisions within a fog	32
Good grammar, is essential	34
Lunchtime lesson	35

Misty computation can be very lucrative	38
The Archimedes calculation (consider this an aside)	42
Is there no limit to the magic?	46
Well, why can't we buy one of these magical, misty computers yet?	50
Summary of Part I	51
Part II: Q-ENTANGLEMENT	55
A tale of testing telepathy	55
Playing the games	65
What went wrong?	69
A tangled question: how did they do it?	70
Nonlocality of correlations	74
Causal nonlocality would have to be weird	77
Computing the likelihood of observing a particular configuration given a complicated mist	82
Making observations on a few balls within a multi-ball mist	84
Entanglement	86
Summary of Part II	92
Part III: Q-REALITY	93
Realism and physics	93
Physical properties	94
Correspondence between mathematics and physical properties	96
A deeper description of the rocky state of a coin	98

Revisiting our first conundrum	105
Two variations on a misty state "being real"	106
If misty states are real, should we collapse in confusion?	110
Currency collapse, mental collapse	114
Einstein throws himself in completely	117
Questioning Einstein's two assumptions	123
Why no faster-than-light communication?	124
Pooh-Bear creates complete confusion	126
How can Owl do it?	133
Recapping, reexplaining	136
Final thoughts	139
Summary of Part III	140
Epilogue	143
History, Context and Further Reading	147
Part I	147
Part II	149
Part III	150
Acknowledgements	153