

CONTENTS

ADVANCE PRAISE	5
DEDICATION	9
PART ONE: BRICK WALLS AI WILL NEVER GO THROUGH	13
1. THE NON-COMPUTABLE HUMAN	15
2. CAN AI BE CREATIVE?	39
3. PUTTING AI TO THE TEST	57
4. MACHINE ARTISTS?	77
PART TWO: AI HYPE	99
5. THE HYPE CURVE	101
6. TWELVE FILTERS FOR AI HYPE DETECTION	117
PART THREE: AI HISTORY	161
7. AI: THE FOSSIL RECORD.	163
8. THE AI REVIVAL	175
9. AI MATURES	207
PART FOUR: GÖDEL TO TURING TO CHAITIN TO THE UNKNOWABLE.	233
10. IT'S ALL GÖDEL'S FAULT	235
11. TURING MAKES GÖDEL SIMPLE	253
12. THE UNKNOWABLE.	269
13. RANDOMNESS HAPPENS	289
PART FIVE: THE GOOD, THE BAD, AND THE ECCLESIASTICAL	305
14. AI ETHICS	307
15. THE AI CHURCH	341
PART 6: CONCLUSION	347
16. PARTING THOUGHTS	349
ENDNOTES	355
ACKNOWLEDGMENTS.	393
FIGURE CREDITS	395
INDEX	397