

Contents

Part I Introduction

- 1 . . . and then a Miracle Occurs 3
- 2 A Quantum Theory of Consciousness 39

Part II Theory

- 3 The Copenhagen Interpretation 51
- 4 Mind, Matter, and Quantum Mechanics 81
- 5 A Quantum Theory of the Mind–Brain Interface 119

Part III Implications

- 6 Mind, Matter, and Pauli 149
- 7 Choice and Meaning in the Quantum Universe 159
- 8 Future Achievements to Be Gained through Science 171
- 9 A Quantum Conception of Man 181
- 10 Quantum Theory and the Place of Mind in Nature 193

Part IV New Developments and Future Visions

- 11 Neuroscience, Atomic Physics, and the Human Person 203
- 12 Societal Ramifications of the New Scientific Conception of Human Beings 237
- 13 Physicalism Versus Quantum Mechanics 245
- 14 A Model of the Quantum–Classical and Mind–Brain Connections, and the Role of the Quantum Zeno Effect in the Physical Implementation of Conscious Intent 261

Part V Appendices

- A Mathematical Model 277
- Glossary 281
- Further References 291
- Index 293