

Contents

<i>List of papers on quantum philosophy by J. S. Bell</i>	vi
<i>Preface</i>	viii
<i>Acknowledgements</i>	xi
1 On the problem of hidden variables in quantum mechanics	1
2 On the Einstein–Podolsky–Rosen paradox	14
3 The moral aspect of quantum mechanics	22
4 Introduction to the hidden-variable question	29
5 Subject and object	40
6 On wave packet reduction in the Coleman–Hepp model	45
7 The theory of local beables	52
8 Locality in quantum mechanics: reply to critics	63
9 How to teach special relativity	67
10 Einstein–Podolsky–Rosen experiments	81
11 The measurement theory of Everett and de Broglie’s pilot wave	93
12 Free variables and local causality	100
13 Atomic-cascade photons and quantum-mechanical nonlocality	105
14 de Broglie–Bohm, delayed-choice double-slit experiment, and density matrix	11
15 Quantum mechanics for cosmologists	117
16 Bertlmann’s socks and the nature of reality	139
17 On the impossible pilot wave	159
18 Speakable and unspeakable in quantum mechanics	169
19 Beables for quantum field theory	173
20 Six possible worlds of quantum mechanics	181
21 EPR correlations and EPW distributions	196
22 Are there quantum jumps?	201