
Contents

1	Introduction	1
1.1	Preamble.....	1
1.2	Bohm on Matter, Mind, and Their Relationship.....	13
1.3	An Overview of the Rest of the Book	39
2	The Architecture of Matter	43
2.1	Introduction	43
2.2	The Role of the Notion of Order in Physics	47
2.3	Relativity, Quantum Theory, and the Mechanistic Order.....	51
2.4	From the Mechanistic Order to the Implicate order	53
2.5	The Implicate Order as the General Architecture of Matter	60
2.6	Non-locality and the Implicate Order	76
2.7	Cosmology and the Implicate Order	79
2.8	Extending the Implicate Order to Biological Phenomena	84
2.9	The Causal Architecture of the Holomovement	88
3	The Architecture of Consciousness	93
3.1	Introduction	93
3.2	Consciousness and the Implicate Order.....	99
3.3	Does the Implicate Order Prevail in Conscious Experience?.....	104
3.4	A Side-track: the Implicate Order and Zeno's Paradox	117
3.5	The Implicate Order and the Process of Thought	123

3.6	The Role of the Explicate Order in Conscious Experience	127
3.7	Matter, Consciousness, and the Architecture of Existence	133
3.8	Time in the Total Order of Matter and Consciousness.....	147
3.9	Metaphysics as a Proposal.....	152
4	Active Information	157
4.1	Introduction	157
4.2	The Ontological Interpretation of the Quantum Theory	160
4.3	The Ontological Interpretation of Quantum Field Theory	174
4.4	The Relationship between Mind and Matter in the Light of the Ontological Interpretation and the Implicate Order	181
5	Time Consciousness	207
5.1	Introduction	207
5.2	What is Dainton Trying to Explain?	209
5.3	Dainton on Previous Accounts of Phenomenal Temporality	210
5.4	Dainton's Account of Phenomenal Temporality	213
5.5	Problems with Dainton's View	216
5.5.1	Revonsuo's Critique	216
5.5.2	Further Criticisms of Dainton	217
5.6	Bohm on Conscious Experience and Time	219
5.6.1	Bohm's Model of Phenomenal Temporality.....	219
5.6.2	Bohm's Model and the Problems with the Two-Dimensional Model.....	223
5.6.3	Bohm's Model and Dainton's Problems	224
5.6.4	Bohm in Relation to Revonsuo	227
6	Movement, Causation, and Consciousness	231
6.1	Movement as Fundamental	231
6.2	Mental Causation	234
6.3	How is an Experiencing Physical System Possible?.....	239
6.3.1	David Chalmers' Approach	241
6.3.2	Bohm vs. Chalmers on the Hard Problem of Consciousness.....	244

Bibliography 249

Index 263