

Contents

Introduction	ix
I The Human Side	1
Albert Einstein: The Man Beyond the Myth	3
Albert Einstein	13
Albert Einstein: (1879–1955)	19
The Young Einstein: Poetry and Truth	21
Albert Einstein and Mileva Marić: A Collaboration that Failed to Develop	39
Einstein’s Jewish Identity	57
Einstein on Civil Liberty	85
Einstein and the “Research Passion”	87
II Editing the Einstein Papers	95
“A Man of My Type” — Editing the Einstein Papers	97
Introduction to the Guide to the Duplicate Einstein Archive and Control Index	113
III Surveys of Einstein’s Work	119
Introduction to Einstein: The Formative Years	121
The Other Einstein: Einstein Contra Field Theory	141

IV Special Relativity	155
“‘What Song the Syrens Sang”:	
How Did Einstein Discover Special Relativity?	157
Einstein and Ether Drift Experiments	171
Einstein and Michelson: The Context of Discovery and the Context of Justification	177
Einstein on the Theory of Relativity	191
Einstein’s First Derivation of Mass–Energy Equivalence (<i>with Roberto Toretti</i>)	215
V General Relativity	223
Einstein’s Odyssey: His Journey from Special to General Relativity	225
The Genesis of General Relativity	233
The Rigidly Rotating Disk as the “Missing Link” in the History of General Relativity	245
The First Two Acts	261
How Einstein Discovered General Relativity:	
A Historical Tale with Some Contemporary Morals	293
Einstein’s Search for General Covariance, 1912–1915	301
Belated Decision in the Hilbert–Einstein Priority Dispute (<i>with Leo Corry and Jürgen Renn</i>)	339
The Origin of Gravitational Lensing:	
A Postscript to Einstein’s 1936 Science Paper (<i>with Jürgen Renn and Tilman Sauer</i>)	347
New Light on the Einstein–Hilbert Priority Question	353
VI Quantum Theory	365
Einstein and the Quantum: Fifty Years of Struggle	367
Einstein and Quantum Mechanics	403
Einstein’s Light-Quantum Hypothesis, or Why Didn’t Einstein Propose a Quantum Gas a Decade-and-a-Half Earlier	427
VII Einstein and Others	445
Einstein and Newton	447
Eddington and Einstein	453
Einstein and Infeld: Seen through their Correspondence	477
Lanczos’s Early Contributions to Relativity and His Relationship with Einstein	499
Einstein and Bose	519
Einstein and ‘Zweistein’	539

VIII Book Reviews	549
<i>'Subtle is the Lord' ... The Science and Life of Albert Einstein</i>	
by Abraham Pais	551
<i>Albert Einstein: A Biography</i>	
by Albert Fölsing	555