

# Contents

List of Illustrations		<i>ix</i>
Prologue		<i>1</i>
<b>1</b>	First Steps <i>On the Banks of the Nile</i>	<i>11</i>
<b>2</b>	The Gate to Science <i>The Alexandria Years</i>	<i>27</i>
<b>3</b>	The American Encounter <i>Independence in Philadelphia</i>	<i>51</i>
<b>4</b>	California Gold <i>From Berkeley to Pasadena</i>	<i>73</i>
<b>5</b>	The Invisible Atom <i>Close-up at Caltech</i>	<i>99</i>

6	The Race against Time <i>Six Millennia to Femtotime</i>	119
7	Time and Matter <i>The Femtouniverse in Perspective</i>	149
8	On the Road to Stockholm <i>Festivities and Fairy Tales</i>	167
9	A Personal Vision: <i>The World of the Have-Nots</i>	199
10	Walks to the Future <i>My Hope for Egypt and America</i>	213
	Epilogue <i>Success—Is There a Formula?</i>	233
	Further Readings	237
	Appendix	243
	Index	279