

CONTENTS

<i>Acknowledgements</i>	13
Introduction	17
I: Lost in the Cosmos	
1 How to Build a Universe	27
2 Welcome to the Solar System	39
3 The Reverend Evans's Universe	51
II: The Size of the Earth	
4 The Measure of Things	67
5 The Stone-Breakers	90
6 Science Red in Tooth and Claw	109
7 Elemental Matters	130
III: A New Age Dawns	
8 Einstein's Universe	153
9 The Mighty Atom	175
10 Getting the Lead Out	193
11 Muster Mark's Quarks	206
12 The Earth Moves	220

IV: Dangerous Planet	
13 Bang!	237
14 The Fire Below	258
15 Dangerous Beauty	278
V: Life Itself	
16 Lonely Planet	295
17 Into the Troposphere	313
18 The Bounding Main	330
19 The Rise of Life	350
20 Small World	368
21 Life Goes On	390
22 Goodbye to All That	407
23 The Richness of Being	425
24 Cells	450
25 Darwin's Singular Notion	462
26 The Stuff of Life	480
VI: The Road to Us	
27 Ice Time	505
28 The Mysterious Biped	522
29 The Restless Ape	544
30 Goodbye	563
Notes	575
Bibliography	655
Index	673