

Contents

Preface page vii

Part I Introduction 1

- 1 Timothy Ferris 3
- 2 Iris Fry 13
- 3 Steven Dick 22
- 4 Ann Druyan 31
- 5 Pinky Nelson 41
- 6 Neil deGrasse Tyson 50
- 7 Steven Benner 58
- 8 William Bains 69

Part II Earth 79

- 9 Roger Buick 81
- 10 Lynn Rothschild 93
- 11 John Baross 102
- 12 Joe Kirschvink 112
- 13 Andrew Knoll 123
- 14 Simon Conway Morris 134
- 15 Roger Hanlon 143
- 16 Lori Marino 154

Part III Solar System 165

vi Contents

- 17 Chris McKay 167
18 David Grinspoon 178
19 Jonathan Lunine 188
20 Carolyn Porco 197
21 Laurie Leshin 207
22 Guy Consolmagno 217
23 Peter Smith 229

Part IV Exoplanets 241

- 24 Alan Boss 243
25 Geoff Marcy 254
26 Debra Fischer 264
27 Sara Seager 274
28 David Charbonneau 284
29 Vikki Meadows 293

Part V Frontiers 303

- 30 Jill Tarter 305
31 Seth Shostak 316
32 Ray Kurzweil 326
33 Nick Bostrom 337
34 Paul Davies 347
35 Martin Rees 356
36 Ben Bova 366
37 Jennifer Michael Hecht 377

- Glossary* 386
Reading list 395
Index 398