

Contents

1	Introduction: What Travellers Can Really See on Their Trip to the Rainforest	1
2	The Amazon: The Largest River on Earth	5
2.1	The River Between Its Source and Mouth	7
2.2	Várzeas: Floodplain Meadows	12
2.3	Igapós: Floodplain Forests	14
2.4	River Meanders and Terra Firme	16
2.5	White Water	22
2.6	Black Water	23
2.7	Clear Water	24
3	Cities Along the Amazon River	29
3.1	Iquitos	29
3.2	Leticia	32
3.3	Manaus	34
3.4	Parintins	39
3.5	Santarém	40
3.6	Belém	41
4	The People of the Amazon River	45
4.1	The Original Population	45
4.2	The caboclos	68

5	The Rainforest	77
5.1	Greatest Diversity of Plant Species	77
5.2	A “New” Primary Forest Cannot Be Planted	79
5.3	The Ground Layer of the Rainforest	80
5.4	Middle Floor of the Rainforest	86
5.5	The Soil of the Old-Growth Forest	88
5.6	Top Floor of the Rainforest	92
5.7	Root Types	94
5.8	The Brazil Nut Tree	96
5.9	Epiphytes and Climbers	100
5.10	Summary: Structure of the Rainforest	103
6	Flowering Plants in and Around Water	107
6.1	Trees	108
6.2	Shrubs	127
6.3	Perennials	136
6.4	Aquatic Plants	141
6.5	Epiphytes	159
6.6	Vines	167
7	Flowering Plants in the Rainforest	171
7.1	Introduction	171
7.2	Deciduous Trees of the Terra Firme	172
7.3	Palms	189
7.4	Giant Strelitzia (Strelitziaceae)	193
8	Animal Observations by and in the Water	195
8.1	Introduction	195
8.2	Fish	196
8.3	Frogs	225
8.4	Reptiles	230
8.5	Birds	242
8.6	Mammals	279
8.7	Butterflies	290
9	Animal Observations in the Rainforest	297
9.1	Poison Dart Frogs	298
9.2	Lizards	299
9.3	Parrots	301
9.4	Toucans	305

	Contents	vii
9.5	Woodpeckers	306
9.6	Tanagers	306
9.7	Monkeys	309
9.8	Porcupine Relatives	312
9.9	Tarantulas	314
9.10	Ants	316
9.11	Termites	321
9.12	Beetles and Praying Mantises	323
10	Concluding Note: What Is the Future of the Amazon Lowlands?	327
10.1	Forest Destruction	327
10.2	Climate Change	328
10.3	Population Growth	329
Index		333