

Contents

– Part 1 –

This Thing Called Sleep

Chapter 1	To Sleep . . .	3
Chapter 2	Caffeine, Jet Lag, and Melatonin: Losing and Gaining Control of Your Sleep Rhythm	13
Chapter 3	Defining and Generating Sleep: Time Dilation and What We Learned from a Baby in 1952	38
Chapter 4	Ape Beds, Dinosaurs, and Napping with Half a Brain: Who Sleeps, How Do We Sleep, and How Much?	56
Chapter 5	Changes in Sleep Across the Life Span	78

– Part 2 –

Why Should You Sleep?

Chapter 6	Your Mother and Shakespeare Knew: The Benefits of Sleep for the Brain	107
Chapter 7	Too Extreme for the <i>Guinness Book of World Records</i> : Sleep Deprivation and the Brain	133
Chapter 8	Cancer, Heart Attacks, and a Shorter Life: Sleep Deprivation and the Body	164

– Part 3 –

How and Why We Dream

Chapter 9	Routinely Psychotic: REM-Sleep Dreaming	193
Chapter 10	Dreaming as Overnight Therapy	206
Chapter 11	Dream Creativity and Dream Control	219

– Part 4 –

From Sleeping Pills to Society Transformed

Chapter 12	Things That Go Bump in the Night: Sleep Disorders and Death Caused by No Sleep	237
Chapter 13	iPads, Factory Whistles, and Nightcaps: What's Stopping You from Sleeping?	265
Chapter 14	Hurting and Helping Your Sleep: Pills vs. Therapy	282
Chapter 15	Sleep and Society: What Medicine and Education Are Doing Wrong; What Google and NASA Are Doing Right	296
Chapter 16	A New Vision for Sleep in the Twenty-First Century	324
	Conclusion: To Sleep or Not to Sleep	340
	Appendix: Twelve Tips for Healthy Sleep	341
	Illustration Permissions	343
	Acknowledgments	344