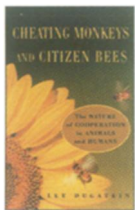


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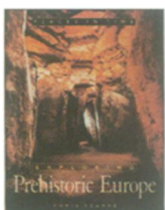
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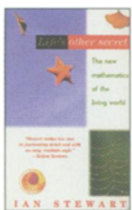
**Cheating Monkeys and Citizen Bees: The Nature of Cooperation in Animals and Humans**—Lee Dugatkin. Animal societies function cooperatively without the influence of morality, the benefit of free will, or even the guidance of *Sesame Street*. For instance, dwarf mongooses baby-sit their siblings and squirrels martyr themselves to save their relatives. Dugatkin believes that knowledge of such behavior can inform our understanding of human social networks and may help to improve them. In four chapters, he reveals animal behavior as it pertains to family dynamics, reciprocal transactions, teamwork, and universal altruism among humans. Free Pr, 1999, 208 p., hardcover, \$25.00.



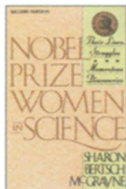
**The End of Privacy: How Total Surveillance is Becoming a Reality**—Reg Whitaker. A current movie depicts an attorney who can't use a pay phone, visit a gas station, or drive into a parking garage, without revealing his location to those tracking him. Whitaker surveys technologies making this type of surveillance possible. He points out that it is corporations who wield the power. Consumers willingly provide personal data on credit card applications, and bar codes record their every purchase. Cell phones he says are easy to tap and emit a signal that allows for centralized tracking of the carrier—great for stranded motorists but not for wanted criminals. New Pr, 1999, 195 p., hardcover, \$25.00.



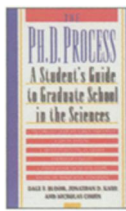
**Exploring Prehistoric Europe**—Chris Scare. Armchair archaeology buffs are treated to a tour of some of the most fascinating ancient European sites: Stonehenge and Lascaux as well as Tarxien, the site of megalithic temples on the Maltese Islands, and Biskupin, a Polish timber township. Each entry carefully discusses the meaning of a site, offers a glimpse of how it originally stood, and details the efforts of its modern-day excavators. OUP, 1998, 228 p., color/b&w photos/illus., hardcover, \$39.95.



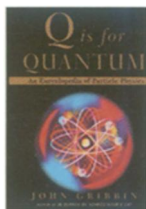
**Life's Other Secret: The New Mathematics of the Living World**—Ian Stewart. Melding the basics of the physical sciences and mathematics with modern advances in DNA research, Stewart attempts to elucidate the patterns and processes of the natural world. Claiming that genetics is less like an engineering blueprint and more like a recipe in a cookbook, Stewart shows how one must consider the physical and chemical laws governing any final product. In introducing the infant field of biomathematics, he weaves thoughts about flowers and locomotion with complexity theory and Fibonacci number sequences. Originally published in hardcover in 1998. Wiley, 1999, 285 p., color plates/b&w illus., paperback, \$16.95.



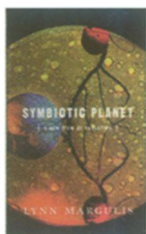
**Nobel Prize Women in Science: Their Lives, Struggles, and Momentous Discoveries**—Sharon Bertsch McGrayne. Of the more than 300 recipients of Nobel prizes in the sciences, only 10 have been women. Their profiles and those of five other women whose work was integral to a Nobel prize share a common thread: the difficulty of integrating a male-dominated pursuit. Physicist Lise Meitner, for one, was relegated to the basement of her chemistry lab in the early 1900s, away from the male chemists. Meitner's story echoes experiences by Dorothy Hodgkin, Barbara McClintock, Rosalind Franklin, and other leading scientists. Citadel, 1998, 451 p., b&w photos/illus., paperback, \$19.95.



**The Ph.D. Process: A Student's Guide to Graduate School in the Sciences**—Dale F. Bloom, Jonathan D. Karp, and Nicholas Cohen. Three Ph.D.s blend practical advice with insight into the "sociology" of academia. The nuts-and-bolts aspects of this book deal with the application process and include picking a dissertation committee and arguing an oral exam. Personal stories sprinkle the text, leavening any glamour there is to postgraduate study with hard realities. These include an almost minute-to-minute account of a graduate's student's typical day. OUP, 1998, 209 p., paperback, \$16.95.



**Q Is for Quantum: An Encyclopedia of Particle Physics**—John Gribbin. This encyclopedia explains the historical and functional elements of the quantum world and how quantum physics translates to everyday tangibles such as CD players and semiconductors. Biographies of key scientists—Isaac Newton, Richard Feynman, Erwin Schrödinger—document the work of the 20th century's most important thinkers. An exhaustive timeline at the book's end charts progress over the past 100 years in both a scientific and historical context. Originally published in Great Britain in 1998. Free Pr, 1999, 545 p., b&w photos/illus., hardcover, \$35.00.



**Symbiotic Planet: A New View of Evolution**—Lynn Margulis. In this tidy book, Margulis summarizes her most prominent ideas about the origins of life. By merging her two seminal ideas—evolution through symbiosis among organisms and Gaia, the concept of the whole Earth as a symbiotic ecosystem—she expounds upon her belief that humans are the work of "thousands of millions of years of interaction among highly receptive microbes." Growth, death, and metabolism regulate the atmosphere of Mother Earth (Gaia). Or, as one of her students once surmised "Earth's surface is just symbiosis as viewed from space." Basic, 1998, 146 p., hardcover, \$21.00.

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