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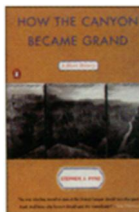
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Chasing Monarchs: Migrating with the Butterflies of Passage—Robert Michael Pyle. Tracking migrating birds is nerve-racking, but technology helps. Dainty butterflies barely tolerate transmitters and nametags except for short distances. What else can a curious scientist do but follow them by car and on foot? Pyle did just that. This account combines an entomological excursion to understand how monarchs fly distances of up to 3,000 miles with Pyle's wacky road trip from British Columbia to Mexico. With 20 years of monarch study under his belt, he ably tracked the butterflies to learn more about their eating, sleeping, and mating habits. Furthermore, he proves that some monarchs' journeys extend to Mexico rather than halting in California, as previously believed. HM, 1999, 307 p., hardcover, \$24.00.



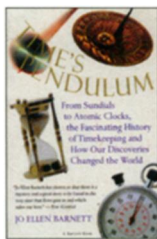
Cool Cats, Top Dogs, and Other Beastly Expressions—Christine Ammer. How is it that relief pitchers warm up in the bullpen? How did bunny come to be a term of endearment? Why is trouble brewing if you can smell a rat? Why are bats perceived to be blind? Ammer assesses a host of such phrases and expressions and explores their origins. HM, 1999, 266 p., illus., paperback, \$14.00.



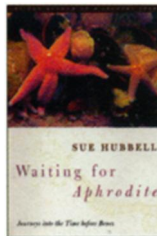
How the Canyon Became Grand: A Short History—Stephen J. Pyne. Those who first stumbled upon the great canyon of the southwestern United States either feared the crevasse or dismissed it as a worthless piece of land. Pyne defines the Grand Canyon not just geologically but also culturally, revealing how the gorge gradually acquired its popular image as a great monument. Pyne views the canyon through the discerning eyes of John Wesley Powell and Clarence Dutton, who recognized its inherent value. Originally published in hardcover in 1998. Plume, 1999, 199 p., b&w plates, paperback, \$12.95.



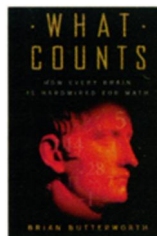
The Soul of Soil: A Soil-Building Guide for Master Gardeners and Farmers—Joe Smillie and Grace Gershuny. This fourth edition expands its scope to include national and global perspectives on the fundamentals of agronomy. As the term "organic" comes to be more widely used as a marketing tool for foods, Smillie and Gershuny explain what techniques of soil preparation remain true to this label. They impart an understanding of the biological, chemical, and physical factors inherent to soil ecosystems and then reveal how to manage soil properly without the use of chemicals. Chelsea Green, 1999, 173 p., illus., paperback, \$16.95.



Time's Pendulum: From Sundials to Atomic Clocks, the Fascinating History of Timekeeping and How Our Discoveries Changed the World—Jo Ellen Barnett. A day on Earth has not always been 24 hours long, and digital clocks have not tracked every millisecond of time. Barnett maps the ways and means of humans in their quest to chart time, whether to attend prayer sessions on a regular basis or catch a train passing through town without waiting all day. Beginning with the sundial and the long struggle to allow for changes in the amount of daylight, she guides readers through hundreds of years of history by way of the church bell, the pendulum, and modern atomic clocks. Originally published in hardcover in 1998. Harbrace, 1999, 334 p., b&w illus., paperback, \$14.00.



Waiting for Aphrodite: Journey to the Time before Bones—Sue Hubbell. Her skillful portrayals of forgotten invertebrates in *Broadsides from the Other Orders* and *Far Flung* Hubbell, continue in Hubbell's riveting new tour of creepy crawlers. Earthworms, sea urchins, camel crickets, and Aphrodite, a bizarre sea mouse, may seem irrelevant to us—the dominant vertebrates of the planet; however, Earth swarms with invertebrates that support us almost invisibly with the aid of a host of fascinating traits. For instance, sponges are an "evolutionary sideshow": They do not harbor a single organ or a nervous system. Yet the larvae of one species produces the neurotransmitter serotonin, and a colony of sponges exhibits enough strength to filter the entire column of water above it through its members' bodies each day. Tidbits such as these lace the text and provide an enjoyable journey through this unseen world. HM, 1999, 242 p., illus., hardcover, \$24.00.



What Counts: How Every Brain Is Hardwired for Math—Brian Butterworth. Numbers permeate our lives. Even the most primitive societies implemented methods of counting and calculating. Butterworth contends that this ability can be likened to language as an inherent trait. As a cognitive neuroscientist at University College in London, Butterworth began his research with people such as victims of stroke, who lack the ability to count. He later began to consider shortcomings in mathematics as natural handicaps, like colorblindness. Finally, he searched for ways to account for people who possess keen mathematical abilities and for others who fumble through basic arithmetic. Butterworth believes performance differences, which he also addresses in this book, depend on experience and education. This leads him to critique mathematical teaching methods and offer better ways of imparting mathematical principles without heavily relying on memorization, for example. Free Pr, 1999, 416 p., illus., hardcover, \$26.00.

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