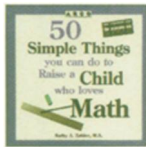


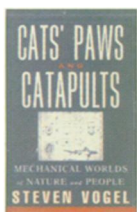
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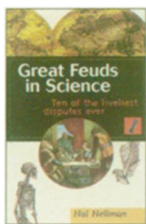


50 Simple Things You Can Do to Raise a Child Who Loves Science and Nature—Marion A. Brisk. **50 Simple Things You Can Do to Raise a Child Who Loves Math**—Kathy A. Zahler. For parents looking to pique a child's interest in the sciences during the elementary school years, these books furnish ideas for activities that are not only fun and educational but also demonstrate how

math and science enter into daily life outside of school and homework. Applications in the math title begin with managing an allowance, cooking, and figuring batting averages of baseball players and end with problem solving scenarios, visualization techniques, and higher math including fractions and negative numbers. Science and nature projects are divided into five parts: shapes, colors, and light; kitchen science; nature and the environment; games and puzzles; and places to go. Macmillan, 1998, 162 p., illus., paperback, \$11.95.

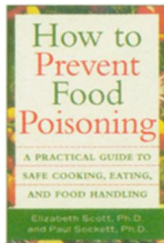


Cats' Paws and Catapults: Mechanical Worlds of Nature and People—Steven Vogel. Which came first? The chicken's oval egg or the engineer's linear beam? Chickens may predate engineers, but Vogel asserts that the beam is the better structure and that the science of biomechanics takes note of natural environmental feats only after an engineer has perfected them. For example, if boats swam like fish, Vogel argues, they would have to be under water, not on it. As we forge the field of micro-engineering, a working knowledge of natural technology, the fundamental tools of engineering, are critical. Through hundreds of examples, Vogel imparts this essential wisdom as he compares and contrasts our rectilinear world with nature's curved, flexible realm. Norton, 1998, 382 p., illus., hardcover, \$27.50.

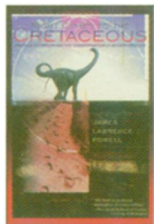


Great Feuds in Science: Ten of the Liveliest Disputes Ever—Hal Hellman. Wallis vs. Hobbes. Newton vs. Leibniz. Voltaire vs. Needham. No, this isn't a boxing card but a sampling of some of the intellectual feuds waged over time. As Hellman reveals, not all of these verbal tangos are based on hard facts or personal belief; often pride, jealousy, ambition, and politics fuel the fire. For example, Hellman suggests that a personal slight may have triggered the conflict between Pope Urban VIII and Galileo about whether the Earth revolves around the Sun. No matter how flimsy the foundations of these debates, it is Hellman's belief that they provide necessary grist for advancing science as a whole. Wiley, 1998, 240 p., hardcover, \$24.95.

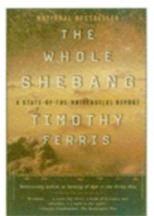
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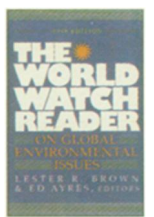
How to Prevent Food Poisoning: A Practical Guide to Safe Cooking, Eating, and Food Handling—Elizabeth Scott and Paul Sockett. In the wake of numerous instances of food poisoning, ranging from bad ham at a church social in southern Maryland to an outbreak of *E. coli* in the hamburgers at a national fast-food chain, this guide is geared to consumers interested in safeguarding their food and food preparation. The fundamentals of food poisoning, including causes, symptoms, and foods likely to harbor dangerous bacteria, are followed by a straightforward approach to safely purchasing, transporting, preparing, and storing edibles. Wiley, 1998, 207 p., paperback, \$14.95.



Night Comes to the Cretaceous: Dinosaur Extinction and the Transformation of Modern Geology—James Lawrence Powell. How is it possible that a scientific "fact" can suddenly be overthrown by an opposing assertion? And what chain of events ensues upon a challenge to entrenched belief? For example, most scientists attributed the demise of dinosaurs to a gradual downturn in fortune, perhaps the result of an ice age. Then Luis Alvarez and his son stumbled upon evidence suggesting that the dinosaur's disappearance was a far more sudden catastrophe. The later discovery of an impact crater buried in the Yucatan Peninsula substantiated the Alvarezes' theory. The changing conception of dinosaur extinction frames Powell's lucid and compelling account of the trench work of modern scientists that stands in sharp contrast to their mythical ivory tower image. Freeman, 1998, 250 p., illus., hardcover, \$22.95.



The Whole Shebang: A State-of-the-Universe(s) Report—Timothy Ferris. An astute science popularizer, Ferris provides a synopsis of the cosmological advances revolutionizing our view of the origin of the universe as well as speculation on breakthroughs to come. Beginning with the Big Bang, Ferris provides thorough explanations of quantum physics, relativity, and unified theories, including the "inflationary" cosmological model. Originally published in hardcover in 1997. Touchstone, 1998, 393 p., paperback, \$14.00.



The World Watch Reader on Global Environmental Issues—Lester R. Brown and Ed Ayres, eds. This compilation of reports originally published in *WORLD WATCH* magazine seeks to establish a broad overview of the largest problems facing humanity in the immediate future. Together, these chapters offer solutions to the most pressing issues facing humankind, such as maintaining a healthy energy supply, averting overfishing and damage to coastal areas and oceans, and sustaining an ample supply of fresh water. Norton, 1998, 358 p., b&w illus., paperback, \$14.95.

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