

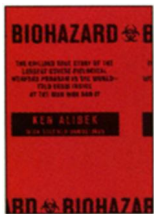
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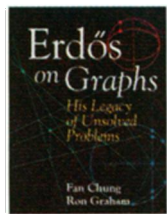


**Archimedes: What Did He Do Besides Cry Eureka?**—Sherman Stein. Archimedes' reputation most notably is in his discovery, while taking a bath, of how to measure density. Upon this revelation, the story goes, he ran naked through the streets crying, "Eureka, Eureka."

Stein's brief account more clearly defines Archimedes 2,200-year-old legacy by setting forth the Roman mathematician's deeds both in written and numeric form. Among the most compelling of these accomplishments was Archimedes' theories of the lever and center of gravity, his methods of summing geometric series and squares, and his technique to find the volume and surface area of a sphere. Like the tools available to Archimedes at the time, the numerous mathematical formulas in this book do not extend beyond high school-level algebra. Math Assn, 1999, 155 p., illus., paperback, \$29.95.



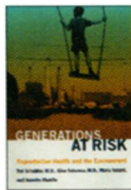
**Biohazard: The Chilling True Story of the Largest Covert Biological Weapons Program in the World—Told From Inside by the Man Who Ran It**—Ken Alibek with Stephen Handelman. For 17 years, Alibek played a key role in Russia's massive operation to stockpile the world's most efficient means of biological warfare. Upon defecting in 1992, Alibek revealed this clandestine operation to U.S. intelligence agencies. Now, he shares his experience with the public. His first-person account details the work of 60,000 scientists and support staff formulating deadly pathogens. With the end of the Cold War, huge stockpiles of anthrax, plague, and smallpox were destroyed. Alibek claims, however, that the expertise to produce such weapons now is available to terrorist groups and "rogue regimes." In relaying the practices he oversaw in Russia, he attempts to educate people about the social dangers of mass-producing and hoarding biological weaponry. RH, 1999, 319 p., hardcover, \$24.95.



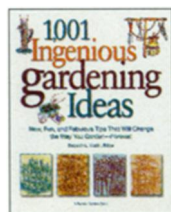
**Erdős on Graphs: His Legacy of Unsolved Problems**—Fan Chung and Ron Graham. Two friends of the late mathematician Paul Erdős, seek to foster his enthusiasm for numbers through this monograph focusing on Erdős' unsolved problems in graph theory. These include extremal graph theory, Ramsey numbers, and hypergraphs. Some problems are in raw stages; some show the work of other people in forwarding the endeavor. Yet all of them reflect Erdős' considerable expertise. For those interested in pursuing Erdős' challenges, Chung and Graham will honor Erdős' promise of monetary rewards for solving certain problems. AK Peters, 1999, 142 p., illus., paperback, \$25.00.

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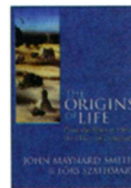
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**Generations at Risk: Reproductive Health and the Environment**—Ted Schettler, Gina Solomon, Maria Valenti, and Annette Huddle. If you are planning to mow your lawn, swim in a pool, play golf, eat fish, or put gas in your car, then you should consider the health consequences of the chemicals associated with these activities. Produced by a team of physicians, scientists, and environmentalists, this book offers an assessment of the risk of a host of common chemicals. It also suggests how people can avoid overexposure and proposes policy measures to alleviate the threat. Chemical exposure most affects the reproductive system and the developing child, the authors' main topics. This dense text exhaustively explores topics as specific as potential links between flea-and-tick products and brain tumors in children, a common weed killer 2-4 D and lymphoma, and toluene in paints and birth defects. MIT Pr, 1999, 417 p., hardcover, \$29.95.



**1,001 Ingenious Gardening Ideas: New, Fun, and Fabulous Tips That Will Change the Way You Garden—Forever**—Deborah L. Martin, ed. Based on a survey of more than 300 gardeners from around the United States, this compilation of shortcuts and useful ideas incorporates a wide range of expertise. Readers learn how a disposable diaper makes watering transplants a breeze, how to make "no-turn" compost piles, why dogwoods are the first trees to signal drought, and how to safely ward rabbits from the vegetable patch. Rodale, 1999, 342 p., illus., hardcover, \$27.95.



**The Origins of Life: From the Birth of Life to the Origin of Language**—John Maynard Smith and Eörs Szathmáry. In considering the complexity of life-forms on Earth, the Darwinian concept of natural selection can seem too simplistic. For instance, we can breed cows to produce more milk, but we cannot make them talk. Smith and Szathmáry's treatise elucidates the evolution of complexity by virtue of genetic mutations unknown to Darwin. Being products of lists of instructions, organisms over time have become increasingly complex. The authors show how the variation necessary for diversity comes from the basic idea that evolution depends on changes in the information that is passed between generations. They elaborate on some major transitions in the way that information has been stored and transmitted. OUP, 1999, 180 p., b&w illus., hardcover, \$27.95.



**Unauthorized Freud: Doubters Confront a Legend**—Frederick Crews, ed. Revisionist essays authored by an assortment of modern professionals in psychology-related fields collectively assault not only the veracity of Sigmund Freud's work, but also his research methodology. In his introduction, Crews accuses Freud of injecting "whimsy" into his proclamations. The charge sets the tone for the following articles, gathered from journals and other publications that share this sentiment. Originally published in hardcover in 1998. Penguin, 1999, 301 p., paperback, \$13.95.

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