

Books

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The Biophilia Hypothesis — Stephen Kellert and Edward O. Wilson, eds. Nearly 10 years ago, Wilson proposed that humans depend upon nature for more than material and physical sustenance. Indeed, in his view, we maintain an aesthetic bond with the natural world that is essential for spiritual and intellectual growth. This compilation of essays, authored by a multidisciplinary group of scientific luminaries, expounds upon the fundamental theory and then elaborates on research supportive of biophilia. Island Pr, 1993, 484 p., hardcover, \$27.50.

The Broken Dice and Other Mathematical Tales of Chance — Ivar Ekeland. The author of *Mathematics and the Unexpected* incorporates Norse sagas and biblical passages into thoughtful prose about common difficulties facing modern mathematicians and physicists. Ekeland effectively relates fate, destiny, and the magic of ancient times to current chaos, risk, and chance theories. An evaluation of the applications of chance in many areas, such as card playing, weather prediction, and probability, aids Ekeland's premise that chance fundamentally belongs to the universe and is beyond human control. U Ch Pr, 1993, 183 p., hardcover, \$19.95.

Indigestion: Living Better with Upper Intestinal Problems from Heartburn to Ulcers and Gallstones — Henry D. Janowitz. This survey of basic digestive ailments explains how the digestive organs work and addresses medications, treatments, prevention, and risks of specific conditions, such as peptic ulcers, esophagitis, gallbladder disease, and pancreatic disorders. An appendix touches on less common problems, such as difficulty in swallowing and "butterflies" in the stomach. Originally published in hardcover in 1992. Oxford U Pr, 1994, 227 p., b&w photos and illus., paperback, \$8.95.

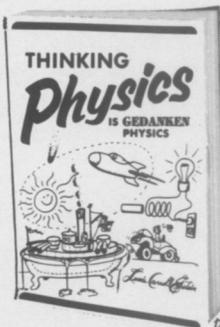
The New Houseplant: Bringing the Garden Indoors — Elvin McDonald. Those who think lemon trees flourish only in California can garner all the necessary information about light, soil, disease, temperature, and pruning techniques to enjoy a lemon tree — and 500 other typically outdoor plants — within the confines of their own home. The author first focuses on which species are most likely to thrive indoors and then elaborates on techniques for successfully growing, displaying, and harvesting everything from vegetables to flowering plants inside. Includes a resource list. Macmillan, 1993, 270 p., color photos, hardcover, \$40.00.

The Refrigerator and the Universe: Understanding the Laws of Energy — Martin Goldstein and Inge F. Goldstein. From the initial discovery of the concepts of energy and entropy to the intriguing applications of these fundamentals in fields as wide-ranging as geology and chemistry (and refrigeration), this is a veritable primer on thermodynamics. The book tracks the laws of energy into the 20th century, where they meet quantum mechanics and the theory of relativity and become capable of resolving age-old quandaries about the universe. HUP, 1993, 433 p., b&w illus., hardcover, \$29.95.

Ripples in the Cosmos: A View Behind the Scenes of the New Cosmology — Michael Rowan-Robinson. Deeply involved in the analysis of data obtained from the Infrared Astronomical Satellite (IRAS) in 1983, the author evaluates the importance and validity of the discovery of microwave background radiation and of the "ripples" subsequently detected by the Cosmic Background Explorer (COBE). Rowan-Robinson provides an insider's look at the work of scientists and technicians and reveals how they derive knowledge from their research. He elaborates on the ramifications of these theories for our ideas about the composition of the universe and what lies ahead. WH Freeman, 1993, 224 p., b&w photos and illus., hardcover, \$22.95.

What If the Moon Didn't Exist? Voyages to Earths That Might Have Been — Neil F. Comins. In answer to the title question, the author, a professor of astronomy, contends that Earth would rotate three times faster and that gale-force winds would make life tough for tall creatures like humans. Comins plays out this scenario and nine others that could have occurred at the birth of the solar system. By describing a vastly different Earth, such as one with less mass or one affected by a nearby star explosion, he strives to portray the fragility of our atmosphere and life forms. HarperCollins, 1993, 315 p., hardcover, \$20.00.

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BACKWATER

The main current in a creek is flowing to the right. The small current behind the rock is flowing to the

- a) right
- b) left
- c) neither way



SAMPLE PAGE... Answer and explanation on following page.

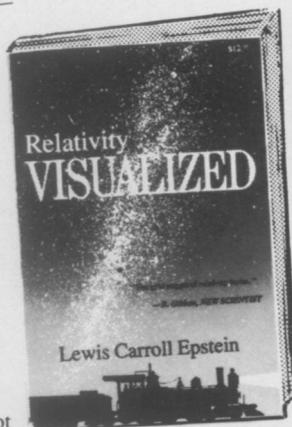
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