

# Books

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**Codes of Evolution: The Synaptic Language Revealing the Secrets of Matter, Life, and Thought** — Rush W. Dozier Jr. The author offers four propositions that collectively make up a theory of evolution. He argues that the fundamental mechanism of evolution is unified selection; that the quantum, genetic, and synaptic codes unlock the secrets of the universe; that everything in the universe has descended from the Big Bang; and that the universe is inherently uncertain and unpredictable. He explains the codes and their implications, and argues that future evolution will be dominated by the human brain, not by genetic engineering and related techniques. Crown, 1992, 294 p., hardcover, \$20.00.

**The Evolution of Consciousness: The Origins of the Way We Think** — Robert Ornstein. The President of the Institute for the Study of Human Knowledge introduces a panoramic history of the mind's evolution. He argues that we are not rational, but adaptive—that our minds evolved to help us survive, not to reason why. Further, he maintains that our minds contain not two hemispheres, but a phalanx of adaptations to circumstances. Touchstone Bks, 1992, 305 p., paperback, \$14.00.

**Ghost Bears: Exploring the Biodiversity Crisis** — R. Edward Grumbine. The Director of the Sierra Institute uses the fate of the endangered grizzly bear—the “ghost bear”—to examine the links between human values, actions, and environmental management goals and their impact on organisms, ecosystems, and the biosphere. As a way to bring environmental destruction under control, he recommends the science of conservation biology and describes the connections between this new discipline and environmental laws, land management practices, and environmental values. Island CA, 1992, 290 p., hardcover, \$25.00.


**The New Physics** — Paul Davies, ed. This collection of reviews, written by 19 figures in the fields of modern physics, discusses such topics as the ultimate structure of matter, quantum gravity, low-temperature physics, optics and lasers, chaos and complexity, the foundations of quantum mechanics, and the structure, origin, and evolution of the universe. Profusely illustrated with color photographs and explanatory diagrams, it is designed for the scientist and non-scientist alike. Cambridge U Pr, 1992, 516 p., paperback, \$27.95.

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**The Scientific Image: From Cave to Computer** — Harry Robin. The author of film scripts, poetry, and essays on the history of science examines scientific images we have inherited from preliterate and succeeding cultures. He includes an ancient Chinese pulse chart and hand-drawn statistical diagrams charting the casualties of Napoleon's army during the Russian campaign in the winter of 1812-13. Each of the 199 illustrations, including 31 in color, is accompanied by commentary explaining the image and its context. Abrams, 1992, 240 p., hardcover, \$49.50.

**Vital Signs: The Trends That Are Shaping Our Future** — Lester R. Brown, Christopher Flavin, and Hal Kane. Three World Institute researchers have culled information from around the globe to produce 36 key indicators that track change in our environmental, economic, and social health. The book is organized in two parts. The first covers trends in the areas of food, agricultural resources, energy, atmosphere, economics, society, and the military. The second covers special features of the environment, the economy, and society. Norton, 1992, 131 p., paperback, \$10.95.

**When Did Wild Poodles Roam the Earth?** — David Feldman. The author of *Do Penguins Have Knees?* and *Why Do Clocks Run Clockwise?* offers a collection of answers to more puzzling conundrums. Find out what companies do with the caffeine left over from making decaffeinated coffee; what the “Q” stands for in “Q-tips,” and when wild poodles roamed the Earth. Harper-Collins, 1992, 395 p., hardcover, \$17.00.



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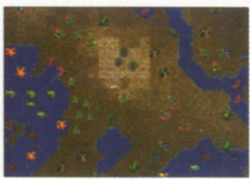
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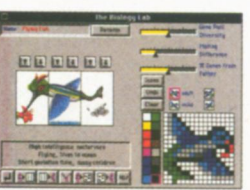
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