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The Astonishing Hypothesis: The Scientific Search for the Soul — Francis Crick. After codiscovering DNA's double helix, Crick moved on to neurological research in an effort to determine scientifically how the brain works. Analysis of the interaction and behavior of nerve cells leads him to conclude that this interaction makes us what we are. Crick then focuses on visual awareness. He probes the processes that take place in the brain upon seeing something and details how visual systems operate in relation to the nervous system, both in people and in other primates. The concluding chapters open a discussion about methods for testing this research, especially as it applies to neural networks. Scribner, 1994, 317 p., b&w photos & illus., hardcover, \$25.00.

The Cambridge Eclipse Photography Guide: How and Where to Observe and Photograph Solar and Lunar Eclipses — Jay M. Pasachoff and Michael A. Covington. After elucidating the history and mechanics of eclipses, the authors detail how to safely and effectively photograph, videotape, and observe them. A listing of the exact locations and times of eclipses occurring in the next decade provides a handy guide for enthusiasts. Cambridge U Pr, 1993, 135 p., color and b&w photos and illus., paperback, \$16.95.

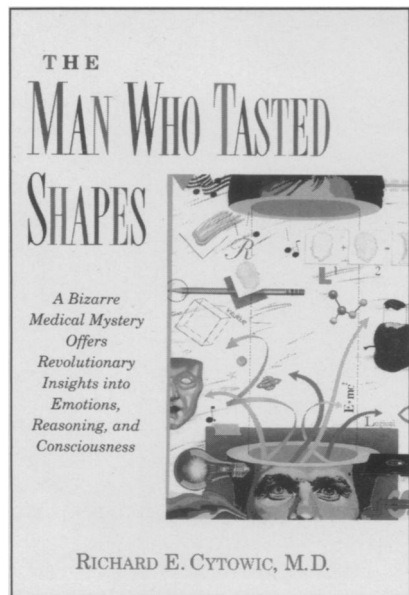
Hyperspace: A Scientific Odyssey Through Parallel Universes, Time Warps, and the 10th Dimension — Michio Kaku. The superstring theory, which cites the existence of six dimensions beyond space and time, called hyperspace, currently stands as one of the most plausible explanations of the construction of the universe. Here, Kaku easily guides even a lay reader through the intricacies and implications of hyperspace. He begins by detailing the simplicity that the laws of nature take on when expressed in higher dimensions. He then delves into the ramifications of such a theory, suggesting that wormholes, or tunnels connecting distant areas of time and space, may connect parallel universes and make time travel possible. He also discusses the timetable for "harnessing the power of hyperspace theory." OUP, 1994, 359 p., b&w illus., hardcover, \$25.00.

Mazes for the Mind: Computers and the Unexpected — Clifford A. Pickover. Challenging readers to expand their imagination "to the limit," Pickover offers hundreds of mazes, fractal spiders, electronic kaleidoscopes, and puzzles, plus histories of their origins and tips for creating these images on microcomputers. Using more than 200 of his own computer-generated images, Pickover details the creation of images and shows how various professional artists work. Readers with a general knowledge of mathematics and some computer background should not experience any difficulty comprehending the text or the few formulas included. Originally published in hardcover in 1992. St Martin, 1994, 426 p., b&w photos and illus. and color plates, paperback, \$19.95.

Natural Alternatives to Over-the-Counter and Prescription Drugs — Michael T. Murray. A naturopathic physician outlines the contents and side effects of common drugs and offers natural alternatives, including diet and lifestyle changes as well as all-natural remedies for common ailments such as acne, headaches, and high blood pressure. Several chapters about natural preventive medicine are included. Endnotes thoroughly document his recommendations. Morrow, 1994, 383 p., b&w illus., hardcover, \$25.00.

Science and Technical Writing: A Manual of Style — Philip Rubens, ed. Touted as the *Chicago Manual of Style* for science writers, this guide outlines proper style for virtually every kind of technical writing. Common problems such as properly footnoting and documenting the text and using appropriate punctuation, symbols, and terminology are thoroughly addressed, as are defining an audience and presenting graphics. Originally published in hardcover in 1992. H Holt & Co, 1994, 513 p., b&w illus., paperback, \$19.95.

Yearbook of Science and the Future 1994 — David Calhoun, ed. This year's edition of the *Encyclopedia Britannica* annual features articles about high-tech devices capable of steering cars, the emerging field of molecular archaeology, and the most recent developments in microscopy. Year-end reviews, listings of significant scientists, and a 3-year cumulative index for the yearbooks are also contained in this volume, which is suitable for students and adults. Ency Brit Inc, 1993, 512 p., b&w photos and illus. and color photos, hardcover, \$36.95.



Imagine a world of salty visions, purple odors, square tastes, and green wavy symphonies. Although only ten people in a million experience the world in this manner — the result of a condition called synesthesia — neurologist Richard Cytowic believes that by understanding the workings of this condition we can gain surprising insights into how all human minds function.

In 1979, Dr. Cytowic met a man who literally tasted shapes. Soon after, he met a woman who heard and smelled colors. He tells the captivating stories of these extraordinary individuals and relates how his unique experiments with forty other synesthetes over the course of a decade led him to conclude that we all have the amazing ability to perceive the world synesthetically, but this ability remains hidden from our conscious awareness.

Cytowic convincingly demonstrates that humans are irrational by design: our emotion, not our logic, is really in charge. His investigations deliver a fresh perspective on the nature of memory, the roots of creativity, the feasibility of artificial intelligence, and the importance of subjectivity in medical research.

— from *G.P. Putnam's Sons*

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