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Blueprints: Solving the Mystery of Evolution—Maitland A. Edey and Donald C. Johanson. A science writer and a noted anthropologist, writing in a conversational style for the general reader, trace the "evolution of evolution" and introduce the principal architects of evolutionary and genetic theory. The closing chapter explores the decisions humans need to make, now that we have a hand in controlling our own evolution. Little, 1989, 432 p., illus., hardcover, \$19.95.

The Dreams of Reason: The Computer and the Rise of the Sciences of Complexity—Heinz R. Pagels. The sciences of complexity involve the study of systems such as the body and its organs, the economy, population and evolution, animal behavior and large molecules. Some of these complex systems can be simulated on computers and easily modeled; others cannot be simulated by anything simpler than the system itself. This book focuses on three themes: the rise of the sciences of complexity; the role of the computer as a research instrument and the reordering of knowledge it requires; and the philosophy of science. The author believes the new sciences of complexity will bring closer together the thinking about and the doing of science. Originally published in hardcover by Simon & Schuster in 1988. Bantam, 1989, 352 p., paperback, \$9.95.

The Guide to Amateur Astronomy—Jack Newton and Philip Teece. Two amateur astronomers lead the general reader through the basics of this popular pursuit—such as buying a first telescope and observing the sun—and move on to advanced planet peering and building your own observatory. Numerous color and black and white photographs show features that can be seen with the naked eye and various telescopes. There is a large section on astrophotography—Jack Newton's specialty—and Teece's illustrations appear throughout the book. Cambridge U Pr, 1988, 327 p., hardcover, \$24.95.

Innumeracy: Mathematical Illiteracy and Its Consequences—John Allen Paulos. The author contends that innumeracy, "an inability to deal comfortably with the fundamental notions of number and chance," pervades both our private and our public lives. He explains the prevalence of numerical illiteracy through witty examples of stock scams, sports records, elections, drug testing results, lotteries and more. No knowledge of mathematics is required. Hill & Wang, 1988, 135 p., hardcover, \$16.95.

The Natural History of Deer—Rory Putman. Written for the enthusiastic naturalist, this book discusses the known biology and natural history of the world's deer. Origins, habitat, feeding and social organization are covered. There is a chapter on antlers, and 24 color plates show such species as the Chinese water deer and the hog deer. Cornell U Pr, 1988, 191 p., color/b&w illus., hardcover, \$24.95.

Peacemaking Among Primates—Frans de Waal. The author writes for the general reader about our species' shared "heritage of accommodation" with other primates. His vast research on five species—chimpanzees, rhesus monkeys, stump-tailed monkeys, bonobos and humans—has uncovered common threads of aggression and reconciliation, leading him to conclude that "... for humans, making peace is as natural as making war." De Waal makes his points using description, anecdote and captivating photographs instead of statistical data. He includes a bibliography of his technical papers for readers who desire the details. Harvard U Pr, 1989, 294 p., illus., hardcover, \$29.95.

Speakable and Unspeakable in Quantum Mechanics—J.S. Bell. The collected papers on the conceptual and philosophical problems of quantum mechanics written between 1964 and 1986 by renowned physicist John S. Bell. Two of the works are targeted to the general reader, while the other 20 provide a technical overview of the field. Originally published in hardcover in 1987. Cambridge U Pr, 1988, 212 p., paperback, \$14.95.

Understanding the Alcoholic's Mind: The Nature of Craving and How to Control It—Arnold M. Ludwig. A clinical look at the ways in which many alcoholics control their craving for alcohol. Written for the general reader by a physician who has worked with alcoholics for 25 years, the book explains the thought processes and behaviors alcoholics have used to get and stay sober. Oxford U Pr, 1988, 188 p., hardcover, \$16.95.

APOCALYPSE WHEN?
Cosmic Catastrophe and the Fate of the Universe
FRANK CLOSE

William Morrow & Co., Inc., 1989, 242 p., 9 1/2" x 6 1/4", hardcover, \$17.95 ISBN 0-688-08413-3

As different areas of science prove to be stranger in fact than in any fiction, new discoveries show the universe to be far more fragile and unpredictable than we have ever imagined. The latest evidence from space probes, cosmology, particle physics and geology reveals a disturbing message: The earth is at risk from natural forces far beyond our control.

Even while assuring the reader that our home is probably not in any immediate danger, Close, one of Britain's leading theoretical physicists and an international authority on particle physics, touches on our insignificance and vulnerability.

Apocalypse When? is a lively adventure at the cutting edge of astrophysics as Close invites the reader to join him as he explores facts and theories about our solar system, our galaxy and our universe and explains the strange world of atoms and their particles. He even takes a look at emerging ideas on space colonization and the possible evolution of humankind.

Apocalypse When? investigates the current theories of different areas of science to provide some possible answers in a very readable and easily understood format.

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