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**The Children's Machine: Rethinking School in the Age of the Computer** — Seymour Papert. In this follow-up to *Mindstorms* (1983), Papert examines the role of computers in U.S. classrooms and finds them sorely underused. He argues that the new generation of students embraces computers as its own and is equipped with the capability to adapt quickly to new technologies — including the use of computers in every aspect of learning. Papert proposes ways to incorporate computers into many different subjects in conjunction with personal teaching. He also discusses implementation of Logo, the computer language he created for children. Basic, 1993, 241 p., b&w illus., hardcover, \$22.50.

**The Evening Star: Venus Observed** — Henry S.F. Cooper Jr. Until the 1960s, popular belief held that Venus resembled Earth so closely that it might actually harbor life. Now, in the wake of exploratory missions including the Magellan spacecraft, we know that the atmosphere of Venus is hot enough to melt lead and that life would be impossible there. Cooper, a science writer for *THE NEW YORKER*, tracks these findings and the status of the Magellan mission, the work of the scientists operating the program, and the future and importance of such endeavors. FS&G, 1993, 274 p., hardcover, \$22.00.

**The Macmillan Book of the Marine Aquarium** — Nick Dakin. This thorough reference features more than 500 color photographs of sea life, in addition to a wealth of useful information not only for setting up and maintaining a home aquarium, but also for learning how an ocean ecosystem survives and thrives. Also includes an extensive dictionary of tropical fish, each with a photograph, and chapters on diseases and the cold-water aquarium. A beautiful and informative guide for anyone with an interest in the field. Macmillan, 1993, 400 p., color photos, hardcover, \$60.00.

**Prentice Hall Guide to Scholarships and Fellowships for Math and Science Students: A Resource for Students Pursuing Careers in Mathematics, Science, and Engineering** — Mark Kantrowitz and Joann P. DiGennaro. This compendium of financial aid resources and opportunities provides the basic information needed for obtaining facts about and applying for more than 200 scholarships and fellowships and 84 competitions, internships, and summer jobs geared almost exclusively to students interested in the sciences. In addition, the opening chapters offer sound advice on how to find appropriate programs, how to estimate financial need, and how to apply not only to these programs but also to undergraduate and graduate schools. PH, 1993, 325 p., paperback, \$19.95.

**Time Machines: Time Travel in Physics, Metaphysics, and Science Fiction** — Paul J. Nahin. An avid reader of science fiction evaluates fictional time-travel scenarios and discusses the work of scientists — including Feynman, Einstein, and Gödel — who have expounded on this concept. Nahin elaborates on notions such as four-dimensional spacetime, black holes, and hyperspaces. Though generally written for the lay reader, the book includes appendixes that work through many mathematical frameworks of these concepts, as well as an extensive bibliography of scientific and science-fiction writing on time travel. Am Inst Physics, 1993, 408 p., b&w illus., hardcover, \$45.00.

**Uncovering the Past: A History of Archaeology** — William H. Stiebing Jr. A general overview of archaeology through the ages, including discussions of the present-day use of carbon-14 dating and computer visualization. By examining the logistics and significance of major finds, Stiebing provides a compelling, systematic depiction of the evolution of the field. Prometheus Bks, 1993, 315 p., b&w photos and illus., hardcover, \$24.95.

**Your Memory: How It Works and How to Improve It** — Kenneth L. Higbee. Updated from the original, 1977 edition to reflect advances in memory research, this volume offers techniques for improving memory in addition to an overview of what memory is, how it works, and the myths surrounding it. Includes key mnemonic techniques for remembering names, memorizing speeches, and improving study skills. Paragon Hse., 1993, 265 p., paperback, \$10.95.

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Three and a half million years ago, two upright figures walked together across the Laetoli desert in Tanzania, their footsteps captured forever in volcanic ash. Were these footprints made by one of our earliest ancestors, and what can they tell us about the human evolutionary journey?

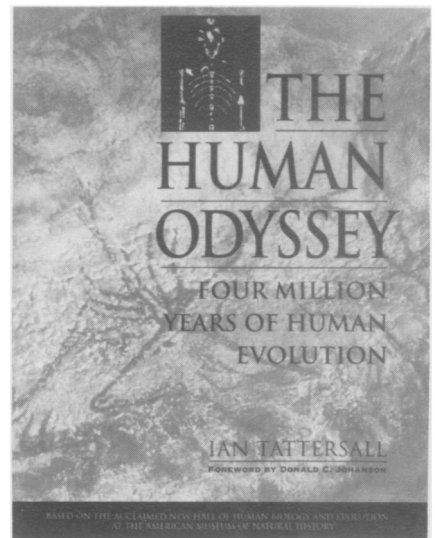
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— from *Prentice Hall General Reference*



*Prentice Hall General Reference*, 1993, 191 pages, 8-3/4" x 11-1/4", hardcover, \$27.50



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