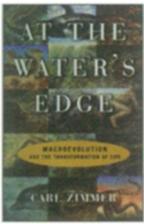
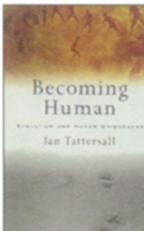


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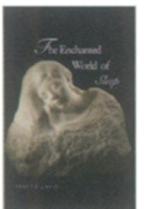
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At the Water's Edge: Macroevolution and the Transformation of Life—Carl Zimmer. Microevolution, or the Darwinian view of the generation-to-generation study of life, is a well-defined scientific discipline. It is the "untamed" frontier of macroevolution, which encompasses millions of years of change that intrigues Zimmer. The transitions from fish to tetrapod and from land mammal to whale are "two of the most beautiful opportunities for studying macroevolution." Zimmer's portrayal of the mutations leading to modern whales, dolphins, and porpoises encompasses many counterintuitive findings. For example, lungs developed to help gills with underwater breathing before fish left the sea. All in all, Zimmer enumerates the nuts and bolts of macroevolution in this survey of the field. Free Pr, 1998, 290 p., b&w illus., hardcover, \$25.00.



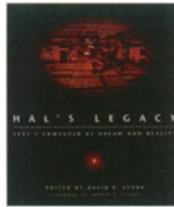
Becoming Human: Evolution and Human Uniqueness—Ian Tattersall. For Tattersall, people stand apart from other organisms because of their desire to discover why and what it is that makes them feel different. Curator of the department of anthropology at the American Museum of Natural History, Tattersall is extremely well versed in human fossil records and has studied some of the most coveted prehistoric sites, such as the caves adorned with ice age paintings at Lascaux. Asserting that modern humans have a creative spark that sets them apart from their predecessors, he presents a thoughtful narrative about the symbolic representation and religious beliefs of Cro-Magnons. Along the way, he imparts his feelings about kin selection, exaptation, group selection, and current theories about the advancement of brain physiology, speech, and upright bipedal walking. HarBrace, 1998, 258 p., hardcover, \$27.00.



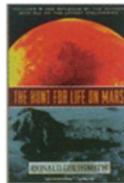
The Enchanted World of Sleep—Peretz Lavie. The sleep patterns of humans as well as some animals are described as Lavie shares the fruits of his many years of research into why we sleep and what sometimes causes us not to. Sleep is ubiquitous in the animal kingdom—although birds sleep with one eye open—but, as Lavie reports, how the brain functions during sleep and the reasons for dreams remain contentious. Lavie describes many of the mysteries surrounding dreaming, narcolepsy, and the importance of sleep for good health. Originally published in hardcover in 1996. Yale U Pr, 1998, 270 p., b&w photos/illus., paperback, \$16.00.

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HAL's Legacy: 2001's Computer As Dream and Reality—David G. Stork, ed. This tribute to the science fiction computer HAL, created for the movie *2001: A Space Odyssey*, describes the state of computer science relative to HAL's prophecy of machines that lip-read, recognize and synthesize speech, reason, and interact with people. Originally published in hardcover in 1997. MIT Pr, 1998, 384 p., color/b&w photos, paperback, \$17.50.



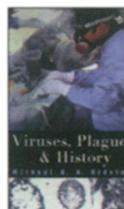
The Hunt for Life on Mars—Donald Goldsmith. The revelation 2 years ago that an ancient meteorite found in Antarctica harbors signs of life on Mars "rocked the world," says astronomer Goldsmith, who tries the case for life on Mars in a "scientific courtroom." There, other researchers recount their study of ALH 84001, as the sample is known, and witnesses provide opinions about extraterrestrial life and the significance of ALH 84001's "ovoids." The book is updated with an epilogue highlighting relevant Pathfinder discoveries. Originally published in hardcover in 1997. Plume, 1998, 286 p., b&w photos, paperback, \$13.95.



Paradise by Design: Native Plants and the New American Landscape—Kathryn Phillips. More a biography than a gardening book, this volume follows landscape architect Joni Jannecki, who prefers native plantings to conventional lawns and ornamental shrubs, as she plans three landscaping jobs. The three jobs act as case studies, letting the author integrate Jannecki's methodology with discussions of native ecology and pest plants, the nursery industry, and the backlash that can accompany this unusual style of landscaping. FS&G, 1998, 265 p., hardcover, \$25.00.



The Red Hourglass: Lives of Predators—Gordon Grice. The author appeals to our rubbernecking instincts, as he depicts the gruesome killing methods of some small predators inhabiting the area around his home in Oklahoma. In seven vignettes, Grice reveals the habits, behaviors, and interactions with people of a variety of scary creatures, including black widow spiders, rattlesnakes, and the razor-back pig, which is quite unlike the movie pig Babe. Delacorte, 1998, 259 p., hardcover, \$18.95.



Viruses, Plagues, and History—Michael B.A. Oldstone. Undoubtedly the greatest enemy known to humankind are viruses. Smallpox alone claimed more than 300 million lives in this century. Although smallpox is now extinct in the wild, Ebola, mad cow disease, and AIDS loom large on the viral horizon. Detailing the progress of immunizations and cures, Oldstone tracks the history of such diseases and of the people who have been instrumental in eradicating them. OUP, 1998, 211 p., b&w illus/photos, hardcover, \$25.00.

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