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The Conscious Mind: In Search of a Fundamental Theory—David J. Chalmers. Is it possible to understand how the physical processes of the brain spawn the subjective experience of the conscious mind? Chalmers shakes up the reductionist world of neurological research by asserting that scientists need to approach the conscious experience as a basic, nonphysical component of the world, similar to time, space, and matter. He outlines a new theory of consciousness that observes this nonreductive approach and focuses on the "coherence" between consciousness, cognitive processes, and functional organization. With this theory in place, he further asserts that artificial intelligence is a viable possibility. OUP, 1996, 414 p., hardcover, $29.95.

The Enchanted World of Sleep—Peretz Lavie. The sleep patterns of humans as well as some animals are described here 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, reports Lavie, but how the brain functions during sleep and the reasons for dreams vary. Throughout this work, Lavie explains these problems and reveals many of the mysteries about dreaming, narcolepsy, and the importance of sleep and good health in a 24-hour society. Yale U Pr, 1996, 270 p., b&w photos and illus., hardcover, $27.50.

Einstein, History, and Other Passions: The Rebellion Against Science at the End of the Twentieth Century—Gerald Holton. Using Albert Einstein as the embodiment of the creative force that connects science with society, Holton embraces the humanistic side of science and fights the contemporary backlash against it. He sees the desire for a more romantic worldview as the cause of a displacement of reason and of a generational divide that has led to a rash of scientific illiteracy among the young. Surveying historical images of science and the evolution of the scientist as a trusted and esteemed person, he establishes science's place in the public mind, then turns his attention to Einstein's role in influencing culture. Addison-Wesley, 1996, 240 p., b&w photos and illus., paperback, $14.00.

Feynman's Lost Lecture: The Motion of Planets Around the Sun—David L. Goodstein and Judith R. Goodstein. This book and compact disc set gives readers and listeners the opportunity to hear Feynman lecture first-hand on why the planets move elliptically instead of in perfect circles. Feynman presented the lecture without high-level mathematics. In the spirit of Newton's *Principia,* Feynman created his own geometrical proof of Kepler's law of ellipses. The Goodsteins recap Feynman's life and then turn their attention to the lecture, explaining the history and intricacies of Feynman's theorem for the benefit of anyone with a working knowledge of geometry. Norton, 1996, 191 p., b&w illus., hardcover, $35.00 boxed set.

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Secrets of the Night Sky: The Most Amazing Things in the Universe You Can See with the Naked Eye—Bob Berman. No need for a telescope when you explore the northern night sky with DISCOVER magazine's "Night Watchman" columnist. How do you tell a military satellite from a weather satellite? What causes the Northern Lights? Berman answers these and other questions and provides detailed instructions for locating each object he describes. Originally published in hardcover in 1995. HarperPerennial, 1996, 320 p., b&w photos and illus., paperback, $14.00.

The Universe in a Handkerchief: Lewis Carroll's Mathematical Recreations, Games, Puzzles, and Word Plays—Martin Gardner. The literary works of Oxford mathematician Lewis Carroll, author of *Alice's Adventures in Wonderland*, are rife with anagrams, puzzles, and paradoxes, all of which he was masterful at creating. Gardner illustrates many examples of these inventions in Carroll's books, diaries, and letters. Original Carroll pamphlets on doublets and games are reproduced for the benefit of the reader willing to indulge in his wordplay. Copernicus, 1996, 158 p., b&w photos and illus., hardcover, $19.00.

Wind Energy in America: A History—Robert W. Righter. As fossil fuels become more expensive and scarce, alternatives such as wind power are becoming more attractive to consumers, especially those in rural areas. Before power lines came to many outlying areas in the United States, wind turbines supplied all the power some families needed free of charge. Righter recaps the history of wind power in the United States and abroad and concludes with a look to the future and the viability of wind as a major contributor to the power supply. U of Okla Pr, 1996, 361 p., hardcover, $34.95.