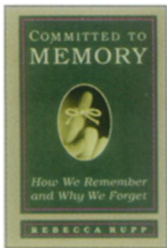


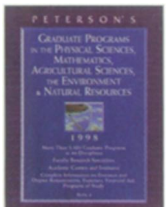
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Committed to Memory: How We Remember and Why We Forget—Rebecca Rupp. Rupp reveals the intricacies of recall through charming literary examples in the form of quotes, poems, and even the Gettysburg Address. Dozens of vignettes touch on the various aspects of memory, the mechanisms

of the brain that produce memory, the study of memory through PET scans and MRIs, suppression of memory, and of course, its loss in both the short and long terms. This lucid, entertaining volume concludes with a series of mnemonics—which you will hopefully remember. Crown, 1998, 331 p., hardcover, \$23.00.



Graduate Programs in the Physical Sciences, Mathematics, Agricultural Sciences, and the Environment and Natural Resources—Robert Crepeau, ed. This guide profiles more than 3,300 graduate programs in 46 disciplines at 1,600 institutions.

Find out the names, credentials, and current research pursuits of the faculty; programs of study; costs, location, application information; and whom to contact, all grouped by category. Petersons, 1998, 1032 p., b&w photos, paperback, \$34.95.



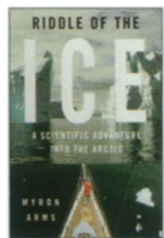
Isaac Newton: The Last Sorcerer—Michael White. Certainly not the first biography of Newton, this one is nevertheless garnering accolades because of White's exhaustive research and the doubt he casts on Newton's distinguished reputation. Most people credit Newton with advancing optics, formulating a theory of gravity (the apple story is demolished here), and developing calculus, all of which White deftly explores. However, he reveals Newton as an alchemist—an interest not so clearly separate from chemistry and other scientific fields at the time, but hardly conventional. Newton also shunned Christianity, his family, and their tightly held Christian values. In all, White provides a balanced and insightful account of the life and times of Isaac Newton. Addison-Wesley, 1997, 402 p., hardcover, \$27.00.



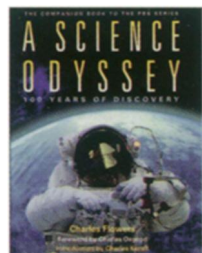
A Primer of Drug Action: A Concise, Nontechnical Guide to the Actions, Uses, and Side Effects of Psychoactive Drugs—Robert M. Julien. Mechanisms of drug action, the receptors upon which many psychoactive drugs act, nonpharmacological alternatives to treating psychiatric illness, in-depth discussions of psychoactive drugs from nicotine to LSD, and other topics make up this revised, eighth edition. Freeman, 1998, 548 p., illus., paperback, \$21.95.



Remaking the World: Adventures in Engineering—Henry Petroski. Engineering's most ardent advocate and the author of *Engineers of Dreams*, Petroski continues his efforts with this collection of essays originally published in *AMERICAN SCIENTIST*. As always, his focus is on the role of engineering feats in the overall improvement of society. In this book, he points to some of the more terrific accomplishments: the Hoover Dam, the English Channel tunnel, and the Petronas Towers in Malaysia. Among the featured personalities are Henry Martyn Robert, better known for Robert's Rules of Order than for his military engineering, and George Washington Gale Ferris, creator of the celebrated amusement park ride. Petroski ably imparts both the principles of his craft and an appreciation of its successes. Knopf, 1997, 239 p., b&w photos, hardcover, \$24.00.



Riddle of the Ice: A Scientific Adventure into the Arctic—Myron Arms. Bound for the Tourngat region of Northern Labrador by sailboat in the hot summer of 1991, Arms met unforeseen and peculiar circumstances when his trip was halted by sea ice. Confounded by this phenomenon, he spent the next 3 years researching Arctic ice production and global climate at leading scientific institutions specializing in these studies. His newfound knowledge inspired him to try another voyage northward to study the ice. This time, he made it past the Arctic Circle. Following the style of a sailor's log, Arms' journey in his 50-foot sailboat unfolds here, as does an array of theories about water flow, temperature, and global warming as it affects the frosty northern seas. Anchor NY, 1998, 267 p., hardcover, \$22.95.



A Science Odyssey: 100 Years of Discovery—Charles Flowers. Presented as a companion to the recently aired PBS mini-series of the same name, this book surveys recent progress and unravels the mysteries of our everyday world by means of science. Like the television series, the book is divided into five parts: astronomy and physics; technology and engineering; geology, biochemistry, and paleoanthropology; medicine and health care; and psychology and neuroscience. It tells the compelling stories of the people who provided the impetus for discovery, from Albert Einstein to Frederick Banting, who identified insulin. Of course, with progress comes defeat, ill-effects, and an assortment of ethical challenges—dilemmas also dissected within these pages. The many photos convey the visual appeal of the television series. Morrow, 1998, 316 p., color/b&w photos, hardcover, \$30.00.

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