

Ziesler and Fateh Singh

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Descartes' Dream: The World According to Mathematics - Philip J. Davis and Reuben Hersh. A collection of essays showing how mathematics, mainly through the computer, has permeated all facets of modern life. "The movement of our computer culture," says the preface, "has been so rapid and so pervasive that it defies the talents of reportage to express adequately where it is, let alone to arrive at the deeper philosophical importance of its existence." The authors, who are both mathematicians, are concerned that too much mathematization of the world "may not be good for us." Originally published in 1986 in hardback by Harcourt Brace Jovanovich. HM, 1987, 321 p., illus., paper, \$12.95.

The Dread Disease: Cancer and Modern American Culture - James T. Patterson. Almost a third of the U.S. population living in 1987 can expect, according to the preface, to develop cancer. This book explores cancer in the context of American culture from the 1880s to the present. Elucidates the ways cancer has reflected social and personal concerns in the United States during the modern industrial era: concerns about illness, health, medical practices and death and dying. Harvard U Pr, 1987, 380 p., illus., \$25.95.

Extraterrestrials: Science and Alien Intelligence - Edward Regis Jr., Ed. Leading scientists and philosophers here discuss both the pros and cons of the possible existence of extraterrestrials, as well as the nature of extraterrestrial intelligent life. Points up the critical questions involved in the issue of extraterrestrial life. Originally published in hardback in 1985. Cambridge U Pr, 1987, 278 p., paper, \$12.95.

The Great Journey: The Peopling of Ancient America - Brian M. Fagan. In this well-illustrated. readable book an anthropologist tells of the search for the first Americans - a quest, according to the introduction, for early artifacts and human fossils and for indisputable proof of the antiquity of humans in the Americas. Relates the changing ideas about the origins of the peoples of the Americas and brings the story up to date, marshaling archaeological and other scientific evidence to present this account of the first Americans. Thames Hudson (Norton), 1987, 288 p., illus., \$19.95

the work of teams within laboratories of the government or large corporations. Includes an extensive bibliography and a biographical dictionary. Facts on File, 1987, 352 p., color/b&w The International Encyclopedia of Astronomy - Patrick Moore, Ed. This comprehensive, well-illustrated encyclopedia contains more than 2,500 articles and includes seven major essays by leading international astronomers. Orion Bks(Crown), 1987, 464 p., color/b&w illus., \$40.

Lasers: Invention to Application — Jesse H. Ausubel and H. Dale Langford, Eds. A National Academy of Engineering publication celebrating the 25th anniversary of the invention of the laser. Provides a brief history of the laser, describes some of the characteristics and performance capabilities of different types of laser devices, describes briefly the breadth and diversity of laser applications and summarizes some of the current accomplishments and possible future advances in laser technology. Discusses the use of lasers in industries, communications and information processing, medicine and science. Natl Acad Pr, 1987, 134 p., color/b&w illus., paper, \$14.95.

The Natural History of Squirrels — John Gurnell. Explores the tree squirrels of the Northern Hemisphere in their natural habitats. Examines the different species, their food and feeding habits, patterns of activity and behavior, space use and social organization, population dynamics, squirrel ecology and its relation to humans. Facts on File, 1987, 201 p., color/b&w illus.,

The Psychology of Women: Ongoing Debates Mary Roth Walsh, Ed. The editor, a leading researcher in the psychology of women, has chosen 14 controversies in this field and presents here opposing points of view from the published literature. For each of the 14 topics she includes a brief introduction and suggestions for further reading. Yale U Pr, 1987, 484 p., \$40, paper,

Vanishing Tribes: Primitive Man on Earth -Alain Chenevière. Magnificently illustrated, this book profiles humans from all over the world who still live as they did at the dawn of civilization. Describes these primitive peoples, their migrations, their customs and their beliefs. The author/ photographer, who lived among these peoples, has here transcribed tribal myths that until now were only transmitted orally from generation to generation. Doubleday, 1987, 267 p., color photographs, \$35.

Who Goes First?: The Story of Self-Experimentation in Medicine - Lawrence K. Altman. The story of physicians and researchers, developers of new knowledge or techniques, who have tested the newly developed theory, drug or technique on themselves. The author, a physician, spent more than two decades researching this controversial practice of self-experimentation, which has resulted in many treatments in practice today. Random, 1987, 430 p., \$22.50.

Wildflowers of the American West: A Photographic Celebration of Nature's Beauty -Rose Houk. Spectacular photographs and botanical paintings of western wildflowers that are common, native species. Divided into four parts illustrating and describing plants of plains, mountains, deserts and coast, the book covers 18 western states. Each of the four sections includes an introduction and the descriptions of individual plants, telling interesting stories behind their names, facts about their biology and folklore about their medicinal use. Chronicle Bks, 1987, 108 p., color illus., \$27.50, paper, \$14.95.

The History of Invention — Trevor I. Williams. A beautifully illustrated book that encompasses the whole history of material civilization from the working of flint and the beginning of agriculture to, in 1986, the launching of the Russian space station, MIR-1, and the commissioning in France of the first fast-breeder nuclear power station. Points up the way in which technological factors have shaped, and continue to shape, human history. For much of history inventors are anonymous - for example, the maker of the first wheel and the first slingshot. Then the situation changes and inventions can be attributed to particular individuals. Now we are moving toward an era where much technological progress results from

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