

Books

Books is an editorial service for readers' information. To order any book listed or any U.S. book in print please remit retail price, plus \$1.00 handling charge for each book, to **Book Order Service**, Science News, 1719 N Street, N.W., Washington, D.C. 20036. All books sent postpaid. Domestic orders only.

The Body Almanac: Mind-Boggling Facts About Today's Human Body and High-Tech Medicine—Neil McAleer, foreword by Jonathan Miller. Along with many fascinating facts about the human body — for instance, that we lose over 100 pounds of skin in an average lifetime, and that the human brain, with its 10 billion nerve cells, has the ability to record over 86 million bits of information each day — the author discusses the workings of the human body and the sophisticated medical technology that helps to keep it healthy. Doubleday, 1985, 362 p., illus., \$24.95, paper, \$12.95.

A Field Guide to Western Reptiles and Amphibians — Robert C. Stebbins. This second edition in the Peterson Field Guide Series has been revised and updated to reflect the new knowledge that has accumulated in this area since the book first appeared in 1966. HM, 1985, 336 p., color/b&w illus., \$17.95, paper, \$12.95.

Human Intelligence: Perspectives and Prospects — Robert Kail and James W. Pellegrino. Presents and evaluates three perspectives on intelligence: the mental testing movement, cognitive psychology and the developmental tradition exemplified by Piaget's theory. Goes on to describe some theories on intelligence that have emerged in the 1980s. W H Freeman, 1985, 224 p., illus., \$19.95, paper, \$12.95.

The Hidden Universe — Michael Disney. In the past few years, according to the author, evidence has been accumulating that there is 10 to 100 times more mass in the universe than can be accounted for with our present theories and observations. Why astronomers think all this invisible material is present, what form it may take and how its presence might be proved are questions presently fascinating researchers. This book explains how scientists are trying to answer these and other questions about "missing mass" and to convey "the excitement of it all." Macmillan, 1985, 257 p., illus., \$17.95.

The Information Technology Revolution — Tom Forester, Ed. Includes selections from journals, magazines and books published between June 1980 and June 1984 that cover the key developments in information technology and the social changes resulting from this information revolution. A guide to further reading is included at the end of each chapter. MIT Pr, 1985, 674 p., paper, \$14.95.

The Knowledge Machine: Artificial Intelligence and the Future of Man — Donald Michie and Rory Johnston. On the edge of computer technology today researchers are working in the field of expert systems. The authors discuss these systems and then take the reader on an intellectual odyssey to the development of creative computers that can work to create knowledge independently of the programmer. Artificial intelligence, the authors feel, seeks to return technology to its "proper place as the obedient yet perceptive servant of humanity." Morrow, 1985, 300 p., illus., \$16.95.

Living Coral Reefs of the World — Dietrich H. H. Kühlmann, translated from the German by Sylvia Furness. Describes the enchanting beauty and extreme diversity of coral reefs. Summarizes and analyzes coral reef research. Discusses the biology of corals, the development of reefs and the complex interrelationships within the reef. The text is enhanced by many illustrations and color photographs. Arco, 1985, 185 p., color/b&w illus., \$24.95.

Making Babies: The New Science and Ethics of Conception — Peter Singer and Deane Wells. Looks at the process of *in vitro* fertilization. Describes the procedure as seen through the eyes of a couple taking part in it and considers the ethical debate stirred up by this procedure. Discusses the issues of egg donation, embryo donation and embryo freezing. Proceeds to look ahead to ways of making babies that have not yet been tried but are either already technically possible or else likely to become possible in the near future, such as ectogenesis, cloning, sex selection and gene manipulation. Scribner, 1985, 245 p., \$14.95.

Schools of the Future: How American Business and Education Can Cooperate to Save Our Schools — Marvin J. Cetron with Barbara Soriano and Margaret Gayle. Based on a study commissioned by the American Association of School Administrators, this book looks at the events and trends judged by school leaders to be significant in shaping America's schools in the next 20 years. McGraw, 1985, 167 p., charts and graphs, \$12.95.

He solved the mystery of liquid helium and was commissioned to paint a naked (female) toreador, asked to crack many of the most "secure" safes at Los Alamos during development of the atomic bomb and played a skillful frigideira in a Brazilian samba band, explained physics to "monster minds" like Einstein, Von Neumann and Pauli and accompanied ballet on the bongo drums, was judged both mentally deficient by a United States Army psychiatrist and worthy of the Nobel Prize by the Swedish Academy.

Feynman's life has in fact been a series of combustible combinations, improbable happenings made possible by his unique mixture of high intelligence, unlimited curiosity, eternal skepticism and raging chutzpah.

The origin of the title of this book is an example of the satire contained within: "*Surely You're Joking, Mr. Feynman!*" was the dean's wife's reply when Feynman, having tea at the dean's home as a naive Princeton graduate student, asked for *both* cream and lemon in his tea.

W. W. Norton,
1985, 350 pages,
8 1/2" x 5 3/4",
hardcover,
\$16.95

"Surely You're Joking, Mr. Feynman!" Adventures of a Curious Character

By Richard P. Feynman

Science News Book Order Service
1719 N St., NW, Washington, DC 20036
Please send _____ copy(ies) of "*Surely You're Joking, Mr. Feynman!*" I include a check payable to Science News Book Order Service for \$16.95 plus \$1.00 handling (total \$17.95) for each copy. Domestic orders only.

Name _____
Address _____
City _____
State _____ Zip _____

RB408