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The Astronomical Almanac for the Year 1990

— Technical data for astronomy, space sciences, geodesy, surveying, navigation and other applications, prepared by the Nautical Almanac Office of the U.S. Naval Observatory and the Royal Greenwich Observatory in London. Includes, among other items, phases of the moon; planetary phenomena; times of sunrise, sunset, moonrise and moonset; rotation elements for the major planets; an index of observatories; and a glossary of astronomical terms. USGPO, 1989, approx. 520 p., hardcover, \$23.00.

Discovering: Inventing and Solving Problems at the Frontiers of Scientific Knowledge

— Robert Scott Root-Bernstein. The author contends that the most important problem in current scientific research is neither finding a cure for cancer or AIDS nor unlocking the grand unified theory, but discovering the key to scientific creativity. To help find that key, he creates six characters to debate the multifaceted issues lying at the core of scientific creativity. The inquirers analyze the laboratory notebooks, correspondence, publications and personal histories of Louis Pasteur, Alexander Fleming, Claude Berthollet and others to uncover the common denominator of successful scientific discovery. Harvard U Pr, 1989, 501 p., illus., hardcover, \$35.00.

Gut Reactions: Understanding Symptoms of the Digestive Tract

— W. Grant Thompson. A gastroenterologist explains for the general reader the causes, symptoms and treatments of irritable bowel syndrome, diverticula, heartburn, non-ulcer dyspepsia and other nonfatal syndromes of the digestive tract. Plenum, 1989, 377 p., charts & graphs, hardcover, \$22.95.

Improving Risk Communication

— The National Research Council. This interdisciplinary study examines the process of risk communication, the content of risk messages and ways to improve risk communication services in the community. The report provides recommendations on how to develop "a fundamental understanding of . . . successful risk communication" but is not a how-to manual for risk communicators. Subject areas addressed include radiation, chemicals, drugs, diseases and consumer products. Natl Acad Pr, 1989, 332 p., charts & graphs, paperback, \$29.95.

Lucy's Child: The Discovery of a Human Ancestor

— Donald Johanson and James Shreeve. A well-illustrated, readable account of how Johanson's research team discovered a new hominid in 1986. Describes ongoing anthropological debates over the origins of bipedalism and the meaning of certain celebrated fossil finds, and concludes with theories on why humans developed their large brains and thinking capacity. Morrow, 1989, 318 p., color & b/w illus., hardcover, \$22.95.

Nuts and Bolts of the Past: A History of American Technology, 1776-1860

— David Freeman Hawke. For the purposes of this book, the author defines technology as "something that makes it possible to do something that has never been done before (the airplane), to do mechanically something previously done manually (the sewing machine), or to do more effectively something previously done mechanically (the repeating rifle)." From there he embarks on a tale of the many devices that fit this definition, ranging from the cotton gin to the mass-produced clock to the first suspension bridge to sustain railroad travel. Originally published in hardcover in 1988. Har-Row, 1989, 307 p., illus., paperback, \$9.95.

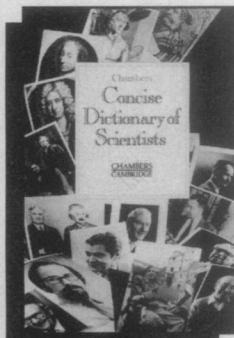
Reinventing the Future: Global Goals for the 21st Century

— Rushworth M. Kidder. In 1987, a group of 35 experts from 12 nations established 95 goals for improving global relations, hastening world peace, advancing civilization and establishing global ethics. The scientists, educators, government officials and philosophers who set these goals deem them attainable by 2000 and suggest them as guidelines for living in the 21st century. MIT, 1989, 194 p., hardcover, \$17.95.

The Wisdom of the Genes: New Pathways in Evolution

— Christopher Wills. A biologist presents some evolutionary mysteries, such as the amazing adaptive variation of Hawaiian fruitfly species, and goes on to explain for the general reader the basics of genetic science and evolutionary theory. Wills elaborates on his hypothesis that evolution has been aided over time by the acquired "wisdom" of all genes. Basic, 1989, 351 p., illus., hardcover, \$19.95.

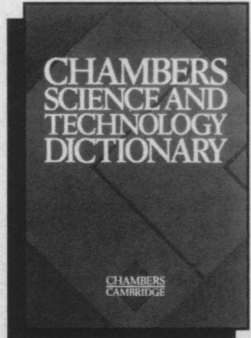
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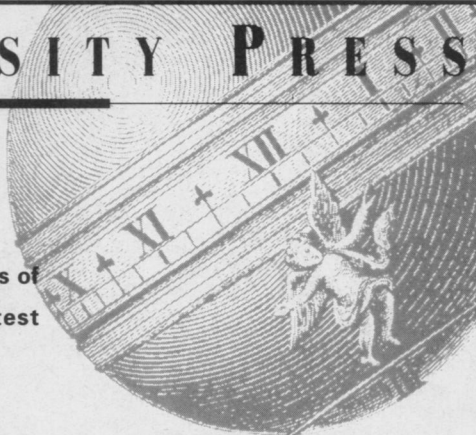
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