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Dictionary of the Physical Sciences — Cesare Emiliani. This dictionary covering physics, chemistry, the geological sciences and cosmology consists of both text and tables. The text contains over 5,000 definitions that, where useful, include formulas and illustrations. Data are organized in 70 tables, among which are the elements, physical constants, minerals and their properties, natural isotopes and conversion factors. Oxford U Pr, 1987, 365 p., illus., \$35, paper, \$19.95.

Extinction — Steven M. Stanley. A well-illustrated book that gives the wide variety of paleontological and geological evidence that bears on the nature of the great extinctions. Takes the reader on a trip through the history of life on earth and reconstructs each of the mass extinctions that have eliminated tens of thousands of species throughout the evolutionary record. Sci Am Bks(W H Freeman), 1987, 242 p., color/b&w illus., \$32.95.

High-Tech Society: The Story of the Information Technology Revolution — Tom Forester. A readable overview of the high-tech revolution so far and its implications for society. Covers the development of the computer, the telecommunications explosion, personal computing, automated factories, the electronic office and electronic banking and retailing. Identifies and discusses the key problems for the high-tech society. MIT Pr, 1987, 311 p., illus., \$19.95.

Islands — H. W. Menard. The birth, evolution and death of oceanic islands is explained and well illustrated here by an outstanding marine geologist. Many of the principles of modern geology are discussed in depth. Oceanic islands, according to author, provide nature's closest approximation to a laboratory. The book also covers the evolution of life on these islands, human settlement and the explorations by Europeans and the scientific discoveries that they made. Sci Am Bks(W H Freeman), 1987, 230 p., color/b&w illus., \$32.95.

Serengeti: Natural Order on the African Plain — Mitsuaki Iwago. Home to more than 2 million animals, the Serengeti National Park stretches for miles across East Africa. This Japanese wildlife photographer has captured in extraordinary color photographs life on the Serengeti Plain. Chronicle Bks, 1987, 304 p., color illus., \$30, paper, \$19.95.

Space: The Next Twenty-Five Years — Thomas R. McDonough. A space scientist here examines where we have been in space and what has been accomplished. He then goes on to reveal some of the possibilities of the future in space — projects that have been proposed, some already built and ready to be launched and others being debated. Looks at, among other projects, the possible return to the moon and establishment of a permanent scientific base there, ingenious spacecraft that are being planned for exploring the solar system, and the Hubble Space Telescope to be placed outside the earth's atmosphere. Tells what is being done or planned to search for extraterrestrial intelligence in the galaxy. Wiley, 1987, 237 p., illus., \$17.95.

Thinking Machines: The Search for Artificial Intelligence — Igor Aleksander and Piers Burnett. Attempts to demystify artificial intelligence by explaining for the lay reader how the technology works and how even relatively simple machines can be made to seem intelligent. Much of the fascination of artificial intelligence, according to the introduction, lies in the light it casts upon the original, and still by far the most advanced "thinking machine" — the human brain. The color illustrations, which greatly enhance the text, were produced by computer graphics. Knopf, 1987, 208 p., color illus., paper, \$17.95.

The Tools of Science: Ideas and Activities for Guiding Young Scientists — Jean Stangl. Shows how to introduce children to the world of science by providing hands-on experiences through which they may discover the importance of basic science tools, how to use them and ways to construct their own tools. Dodd, 1987, 147 p., illus., \$16.95, paper, \$8.95.

A World Beyond Healing: The Prologue and Aftermath of Nuclear War — Nicholas Wade. Presents a concise account of nuclear war — how it might start and what nuclear weapons would do to people, cities and the natural environment. Tells what the chances are of economic and ecological recovery in the aftermath of a nuclear exchange. In the preface the author indicates that he has tried to assess the evidence skeptically, to stress uncertainties in present scientific knowledge when they exist and to avoid both understatement and exaggeration. Norton, 1987, 190 p., \$15.95.



Woody Haggie

LOON MAGIC

By Tom Klein

Follows the common loon through the seasons and throughout its lifecycle. While focusing primarily on the common loon, it also provides extensive information on the arctic, red-throated and yellow-billed loons. *Loon Magic* is the first comprehensive book on the life and lore of loons; its pages contain the finest collection of loon photography ever assembled, including 22 full-page color photographs.

Whether in a cabin or a condo, readers will share the "watch" on a remote loon research study area, rejoice in a successful hatch and experience the loons' struggle as they adapt to man's encroachment into their wilderness home.

Paper Birch Press, 1985, 160 pages, 12½" x 9½", paperback, \$19.95

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