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Annual Review of Biochemistry, Vol. 51 — Esmond E. Snell et al., Eds. Some topics covered are the enzymology of oxygen, the biochemistry of interferons and their actions and protein folding. Annual Reviews, 1982, 1055 p., illus., \$23.

Crusaders for Fitness: The History of American Health Reformers — James C. Whorton. Demonstrates that health reform campaigns were not merely fads but ideologies composed of a mixture of religious and scientific ideas and themes from the popular culture. Princeton U Pr, 1982, 359 p., illus., \$19.50.

Crystals and Crystal Growing — Alan Holden and Phylis Morrison, introduction by Philip Morrison. This excellent book was originally part of the Physical Science Study Committee program, a physics course for high school students developed in the late 1950s. The authors did not feel that the text needed "modernizing." The book describes the atomic character of crystals, the techniques for preparing large single crystals and some experiments that display unexpected properties of crystals. MIT Pr, 1982, 318 p., illus., paper, \$7.95.

Elements of Early Modern Physics — J.L. Heilbron. This book is made up of the two long introductory chapters of Mr. Heilbron's monumental work *Electricity in the 17th and 18th Centuries: A Study of Early Modern Physics*, with a summary of the remaining chapters. U of Cal Pr, 1982, 301 p., illus., \$30, paper, \$10.95.

Generosity and Jealousy: The Swat Pukhtun of Northern Pakistan — Charles Lindholm. The Swat Pukhtun, an agricultural people who are also fierce and proud warriors, live in a remote and overcrowded mountain valley near the Afghan border. The anthropologist/author on three occasions lived among the Pukhtun and was the first Westerner to witness Pukhtun private life. The lives of these people are examined to reveal the reasons behind their ritualized generosity in a world of hostility. Columbia U Pr, 1982, 321 p., illus., \$28, paper, \$14.

Groping in the Dark: The First Decade of Global Modelling — Donella Meadows, John Richardson and Gerhart Bruckmann. This is a collection of conference proceedings, but is also much more than that — it is a readable history of global modeling concerned with the major models and those who make them. Written for those who make computer models of complex social systems, those who are responsible for making complex social systems work and those who live in and care about the complex systems. Wiley, 1982, 311 p., charts & graphs, paper, \$26.95.

Life Itself: Its Origin and Nature — Francis Crick. This Nobel Prize winner sketches the background against which the solution to the question of the origin of life on earth must stand. Crick then goes on to explore an idea called directed panspermia where microorganisms have traveled to earth in an unmanned spaceship sent by a higher civilization. Life, according to this theory, started on earth when these organisms were dropped into the primitive ocean and began to multiply. Originally published in hardback in 1981. S&S, 1982, 192 p., illus., paper, \$4.95.

The Myths of Human Evolution — Niles Eldredge and Ian Tattersall. Examines the new ideas in evolutionary theory and in the study of human evolution. A readable book that discusses evolution as a picture of stability for long periods, interrupted by abrupt change. Columbia U Pr, 1982, 197 p., illus., \$16.95.

Nuclear Power: Both Sides: The Best Arguments For and Against the Most Controversial Technology — Michio Kaku and Jennifer Trainer, Eds. A guide for the perplexed citizen that provides cogent arguments from both sides of this complex issue. The editors indicate that their "goal was to present the facts as accurately and comprehensively as possible so that people might draw their own conclusions about the consequences of living with — or without — nuclear power." Norton, 1982, 279 p., illus., \$14.95.

The Oxford Companion to Animal Behavior — David McFarland, Ed., foreword by Niko Tinbergen. A handbook, organized alphabetically, designed to provide the general reader with a guide to current scientific thought on all aspects of animal behavior. Aids further study by means of bibliographical references. Oxford U Pr, 1982, 657 p., illus., \$29.95.

When the Snakes Awake: Animals and Earthquake Prediction — Helmut Tributsch, translated by Paul Langner. Reports the unusual behavior of animals in the minutes, hours or days before earthquakes struck in many different parts of the world and from ancient times to the present. Sets forth an interesting hypothesis to account for conditions that might trigger abnormal animal behavior. Other premonitions of earthquakes such as clouded springs, strange fogs and luminous phenomena are discussed. MIT Pr, 1982, 248 p., \$20.

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