

# 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 \$2.00 postage and handling for each book, to **Science News Books**, 1719 N St., N.W., Washington, DC 20036. To place Visa or MasterCard orders, call 1-800-544-4565. Domestic orders only.

**At Home in the Universe: The Search for the Laws of Self-Organization and Complexity**—Stuart Kauffman. In fine detail and on many different levels, Kauffman, a MacArthur Fellow, puts forth his theories about self-organization and the science of complexity. Darwin's theory of natural selection cannot adequately explain how order arises from complexity in the natural world, Kauffman contends. He holds that order arises naturally and spontaneously, following principles of self-organization. Natural selection then acts on these ordered systems. Kauffman tracks his search for the laws of complexity that govern the natural emergence of life from "a soup of molecules . . . into the biosphere we see today." OUP, 1995, 321 p., b&w photos and illus., hardcover, \$25.00.

**Brainscapes: An Introduction to What Neuroscience Has Learned About the Structure, Function, and Abilities of the Brain**—Richard Restak. A renowned neurologist provides a terse yet extraordinarily comprehensive overview of the brain for the nonscientist. Besides outlining the workings of the brain and its interactions with the rest of the body, Restak surveys current advances in pharmacology aimed at controlling neurotransmitters and modifying personality and behavior; new technology for brain study; and how environmental factors may play a part in neurological disease. Hyperion, 1995, 149 p., b&w illus., hardcover, \$19.95.

**Dream Reaper: The Story of an Old-Fashioned Inventor in the High-Tech, High-Stakes World of Modern Agriculture**—Craig Canine. This intriguing tale weaves together the creativity and ingenuity of an inventor and the hurdles he and his partner face in selling and producing what appears to be an amazingly efficient Bi-Rotor combine. Canine, a journalist, tracks the last 4 years in the saga of this machine, nearly 15 years in the making. He puts the Bi-Rotor in historical perspective, as part of a long-standing reaper war started some years ago by equally formidable inventors Cyrus McCormick and Obed Hussey. In doing so, Canine illustrates how modern agriculture in the United States has changed, creating a daunting and inhospitable economic atmosphere for this new dream reaper. Knopf, 1995, 300 p., b&w photos, hardcover, \$25.00.

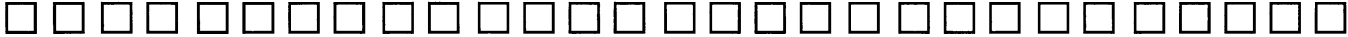
**Linus Pauling: A Life in Science and Politics**—Ted Goertzel and Ben Goertzel. The most influential founder of the field of molecular biology and solo winner of two Nobel prizes, Pauling was not only a scientific visionary but a political activist who took on McCarthyism and successfully campaigned to stop nuclear testing. This biography charts his life from childhood, to his greatest scientific moments, to his last years when his activism hindered his DNA research and created skepticism about his belief in the power of vitamin C. Basic, 1995, 300 p., hardcover, \$27.50.

**New Choices in Natural Healing: Over 1,800 of the Best Self-Help Remedies from the World of Alternative Medicine**—Bill Gottlieb, ed. Produced by *Prevention* magazine, this compendium of a wide range of health care alternatives is divided into three parts. Part one explains the general benefits and methods of natural healing, from ayurveda through yoga. Part two offers a variety of natural remedies for 160 specific health problems, including bronchitis, foot pain, night blindness, toothaches, and more. Part three provides an extensive resource list. Rodale Pr Inc, 1995, 687 p., b&w illus., hardcover, \$27.95.

**The Other Side of Psychology: How Experimental Psychologists Find Out About the Way We Think and Act**—Denise D. Cummins. In this treatise, an experimental psychologist traverses her field of *normal* psychology. Cummins explains how the "biologists" of clinical psychology come to understand how we perceive, learn, remember, think, scheme, love, and dream. Among the topics she investigates specifically are how others influence our behavior and why things look, sound, and feel the way they do. St Martin, 1995, 240 p., hardcover, \$22.95.

**The Sizesaurus: From Hectares to Decibels to Calories, A Witty Compendium of Measurements**—Stephen Strauss. This witty reference is sure to please anyone who has spent any time wondering how small a micron is or how big a Big Bang is, or how the Richter scale works. Strauss provides practical explanations for every imaginable measurement and concludes his tome with the sizesaurus, which provides every possible common equivalent. Kodansha, 1995, 242 p., b&w illus., hardcover, \$25.00.

*To order by Visa or MasterCard,  
call 1-800-544-4565  
In D.C. Area: 202-331-9653*

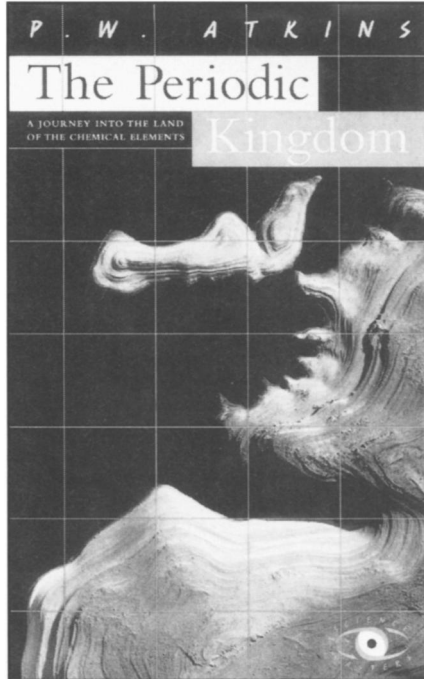


Come on a journey into the heart of matter—and enjoy the process—as a brilliant scientist and entertaining tour guide takes you on a fascinating voyage through the Periodic Kingdom, the world of the elements.

Just how does the periodic table help us make sense of the world around us? Using vivid imagery, ingenious analogies, and liberal doses of humor, P.W. Atkins answers this question. He shows us that the Periodic Kingdom, is a systematic place. Detailing the geography, history, and governing institutions of this imaginary landscape, he demonstrates how physical similarities can point to deeper affinities, and how the location of an element can be used to predict its properties.

Atkins tells us about the cosmic origins of the elements and introduces the intrepid explorers and cartographers who expanded the frontiers of the kingdom: chemist Humphry Davy, Russian scientist Dmitri Mendeleev, and the Manhattan Project scientists.

Here's an opportunity to discover a rich kingdom of the imagination, a kingdom of which our own world is a manifestation. —from Basic Books



Basic Books, 1995,  
161 pages, 5<sup>3</sup>/<sub>4</sub>" x 9<sup>1</sup>/<sub>2</sub>",  
hardcover, \$20.00

**To order by phone from  
Science News Books, call:  
1-800-544-4565**  
(Visa or MasterCard only)  
In D.C. area: 202-331-9653

|  |             |
|--|-------------|
| <b>Science News Books</b>  | PeriodKingH |
| 1719 N Street, NW,<br>Washington, DC 20036   |             |
| Please send me _____ copy(ies) of <b><i>The Periodic Kingdom</i></b> . I include a check payable to Science News Books for \$20.00 plus \$2.00 postage and handling for each book (total \$22.00). Domestic orders only. |             |
| Name _____   |             |
| Address _____  |             |
| City _____   |             |
| State _____  |             |
| Zip _____  |             |
| Daytime Phone _____  |             |
| (used only for problems with order) <span style="float: right;">RB2391</span>  |             |

