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At the Heart of the Bomb: The Dangerous Allure of Weapons Work — Debra Rosenthal. This political scientist observed and interviewed scientists, engineers and others involved in designing weapons systems and making bombs at Los Alamos Laboratory and Sandia National Laboratories. In examining how these individuals deal with the political and moral dilemmas of their work, she finds everything from moral disengagement to intensive rationalization. A fascinating portrayal of the rewards, pressures and conflicts of weapons work. Addison-Wesley, 1990, 244 p., hardcover, \$18.95.

Design for a Livable Planet: How You Can Help Clean Up the Environment — Jon Naar. An all-around guide to environmental action. This ecology writer provides background explanations of various environmental problems and detailed information on recommended individual and mass actions, as well as descriptions of various advocacy groups. Clearly written for the general reader. Har-Row, 1990, 338 p., paperback, \$12.95.

Inventing Reality: Physics as Language — Bruce Gregory. An astrophysicist tells the story of how physicists through the ages, including Bohr, Einstein and Feynman, have struggled to explain the physical world with words and mathematics. Looks at the discoveries in high-energy and particle physics as the evolution of a language, as scientists continually invent new vocabularies to explain how the world is put together. Originally published in hardcover in 1988. Wiley, 1990, 230 p., paperback, \$9.95.

Pandas — Chris Catton. Recounts Westerners' first sighting of the panda in 1869, the animal's early history in captivity and its fascinating natural history. Explores research showing that pandas are highly adapted to their life in the high bamboo forests and that destruction of this habitat is driving both the red panda and giant panda toward extinction. Catton also discusses the challenges of conservation and the prospects and limitations of breeding pandas in captivity. Beautifully illustrated with maps, line drawings and color photographs. Facts on File, 1990, 152 p., b&w/color illus., hardcover, \$22.95.

Taylor's Guide to Water-Saving Gardening. A comprehensive guide to conserving water in the landscape, featuring an encyclopedia of 259 flowers, ground covers, shrubs and trees. More than 300 color photographs highlight advice on altering existing plantings or creating new gardens for drought tolerance. H-M, 1990, 447 p., paperback, \$16.95.

Turning the World Inside Out: And 174 Other Simple Physics Demonstrations — Robert Erlich, foreword by Jearl Walker. A treasure chest of ideas for demonstrating aspects of physical science in simple, playful ways. These hands-on projects for the teacher, student or science enthusiast were developed by a college physics professor and are especially useful to instructors because they require minimal expense and setup time. Subjects covered include gravity and curved space-time, Newton's laws, mechanical oscillations and resonance, Doppler effects and beats, magnetism, and geometrical optics. Useful for eighth grade through college level. Princeton U Pr, 1990, 216 p., illus., hardcover, \$50.00, paperback, \$14.95.

Understanding Allergy, Sensitivity, and Immunity: A Comprehensive Guide — Janice Vickerstaff Joneja and Leonard Bielory. A research immunologist and an allergist review medical and biological research into the workings of the immune system and the controversies surrounding diagnosis and treatment of allergies. Written for the general reader, the book covers many areas, including how to tell an allergy from a persistent cold, how allergy tests work, the difference between autoimmune and immune deficiency diseases, and how patients and their doctors can detect the causes of allergy. Rutgers U Pr, 1990, 333 p., hardcover, \$35.00, paperback, \$13.95.

All of us have been profoundly affected by the rapid developments in computers, telecommunications, superconductivity, laser research and strategic defense. The acceleration of technological progress has left millions — even many whose work revolves around or depends on advances in these fields — feeling bewildered by the fast pace of change. As the 21st century approaches, many wonder what it all means, what's behind it, and — more importantly — what impact these discoveries are going to have on our lives. In *The Secret Life of Quanta*, Han — co-discoverer of the "color" charges of quarks — explains how the laws of quantum physics govern the modern high-tech world. Exercising his renowned gift for relating complex theories to non-scientific audiences, Han describes the fundamentals of atomic structure and the physical nature of chemical bonds as they apply to today's technical devices and processes.

— from the publisher

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Please send me _____ copy(ies) of *The Secret Life of Quanta*. I include a check payable to Science News Books for \$17.95 plus \$2.00 postage and handling (total \$19.95) for each copy. Domestic orders only.

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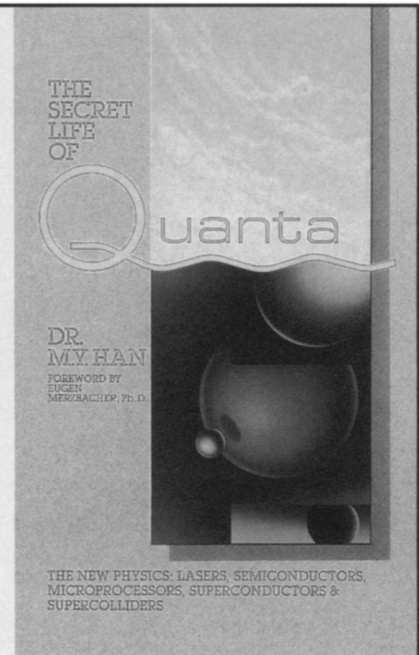
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- *The physics of atomic nuclei, quarks and gamma emission*
- *Light, electricity and magnetism: how atoms interact with electromagnetic radiation*
- *How atoms form molecules and hydrogen bonds: the basis for life itself*



TAB Books, 1990, 183 pages, 6" x 9 1/2", hardcover \$17.95