

Eye, Brain, and Vision

By David Hubel

Science News Books
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When we "see," 125 million receptors in each retina translate photons of light into electrical nerve impulses that race to the visual cortex of the brain. How does the brain make sense of these signals? How do we process a staggering amount of information from the two eyes into one coherent image full of form, color, depth and movement? In *Eye, Brain, and Vision*, Nobel Laureate David Hubel guides readers to the frontiers of neuroscience, where he and other researchers are experimenting to probe the complex processes of vision. Hubel shows how scientists attempt to map visual areas of the brain, searching for the mechanisms by which we perceive color, recognize faces or react to what we see. He investigates how vision develops in infancy and examines the unexpected consequences of early visual deprivation. And he explores the tasks scientists face in deciphering the remaining mysteries of vision and the workings of the human brain.

—from the publisher

W. H. Freeman, 1988, 240 pages, 8¾" x 9½", hardcover, \$32.95
ISBN 0-7167-5020-1

From the Sloan Foundation Science Series

**In Praise of
Imperfection:
My Life and Work**
By Rita Levi-Montalcini

In 1986, Rita Levi-Montalcini became only the fourth woman in history to receive the Nobel Prize in Medicine. Here, this brilliant scientist presents both her life and her work as examples of the beauty of *imperfection*. Levi-Montalcini chose to study medicine during the early decades of this century, in what she describes as "a Victorian climate, ill-suited to my natural tendencies." When the racial laws of Fascist Italy barred Jews from working in the universities, she carried on her experiments in the makeshift kitchen laboratory of a Piedmont farmhouse. Her fierce determination brought her through the war and to the United States, where she continued the work that led to her celebrated discovery of nerve growth factor, a discovery that has opened new vistas in biology and medicine. *In Praise of Imperfection* is the inspiring testament of a compassionate and indomitable spirit.

—from the publisher

Basic Books, 1988, 220 pages, 6½" x 9½", hardcover, \$18.95 ISBN 0-465-03217-6

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The Statue Within

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—from the publisher

Basic Books, 1988, 326 pages, 6¼" x 9½", hardcover, \$22.95 ISBN 0-465-08223-8

Tsunami!

Walter C. Dudley and Min Lee

On April 1, 1946, at 7:00 A.M., a series of giant waves struck the Hawaiian Islands without warning. In the hardest hit areas, the waves engulfed property more than half a mile inland, leaving 159 persons dead and millions of dollars worth of damage. *Tsunami!* tells the fascinating, often tragic story of the great tsunami of 1946 and describes other major tsunamis in the Hawaiian Islands. The authors provide eyewitness accounts of these tsunamis along with scientific explanations of the tsunami phenomenon. An important feature of the book is the account of the origin and operation of the Pacific Tsunami Warning System, which was established in the late 1940s to ensure that the tragedy of 1946 would never be repeated in Hawaii. Illustrated with black and white photos and line drawings, *Tsunami!* is a gripping account of man's attempt to cope with a dangerous natural phenomenon.

—from the publisher

Univ. of Hawaii Press, 1988, 132 pages,
6" x 9", paperback, \$10.95
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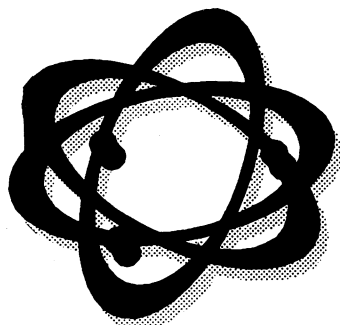
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INTERACTIONS

*A Journey Through the Mind of a Particle Physicist
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Warner Communications Co.,
1988, 345 pages,
9¼" x 6", hardcover, \$19.95
ISBN 0-446-51315-6

**by Nobel Prize Winner
Sheldon L. Glashow
with Ben Bova**

— from the publisher

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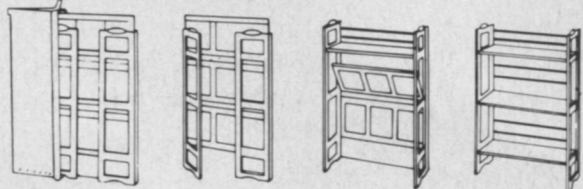
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