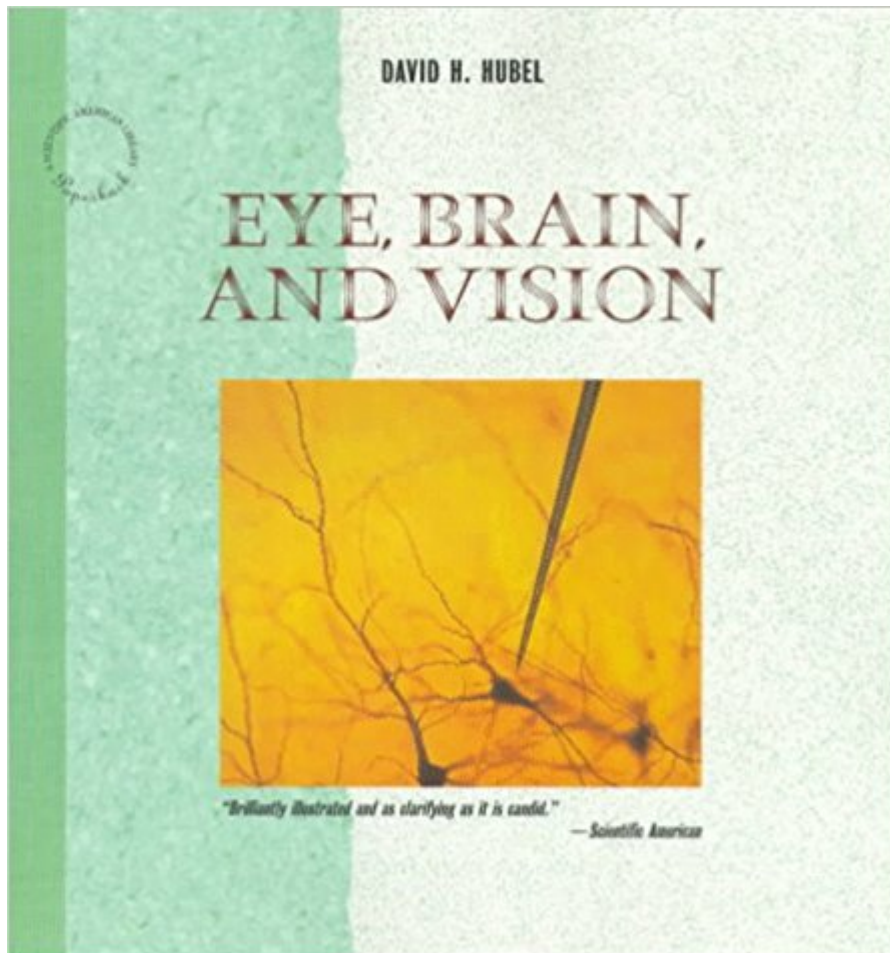




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Eye, Brain, And Vision (Scientific American Library Series)



Synopsis

For over thirty years, Nobel Prize winner David H. Hubel has been at the forefront of research on questions of vision. In *Eye, Brain, and Vision*, he brings you to the edge of current knowledge about vision, and explores the tasks scientists face in deciphering the many remaining mysteries of vision and the workings of the human brain.

Book Information

Series: Scientific American Library Series (Book 22)

Paperback: 256 pages

Publisher: W. H. Freeman; 2nd edition (May 15, 1995)

Language: English

ISBN-10: 0716760096

ISBN-13: 978-0716760092

Product Dimensions: 8.6 x 0.6 x 9.3 inches

Shipping Weight: 1.2 pounds

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Customer Reviews

"Eye, Brain, and Vision" is an informative read about the inner workings of how vision is perceived. The book was well laid out and fairly easy to understand without the consult of other sources. The book first introduces the reader with a brief overview of cellular neuroscience. Covering neurons, neural pathways, membrane potentials, impulses, inhibition etc. Throughout the book Hubel gives examples to clarify concepts and provides detailed figures supporting the described findings. Overall I found this book to be interesting and informative. In my opinion the first couple chapters were somewhat dull, but I really enjoyed the book when Hubel begins talking about the various experiments conducted in this field. The style of the book is factual with concepts building up on previous chapters. Hubel provides many scientific experiments, many of which are his own, to support his claims and he briefly explains the experimental design to the reader for a better overall understanding. Structure: The book was organized in such a way to provide the reader sufficient information about neuroanatomy and function before diving into more complex subjects. I consider

the first 4 chapters (Impulses, Synapses, and Circuits; The Eye; Primary Visual Cortex) to be chapters that provide the reader with background information. Even Hubel noted in these chapters that some of these explanations are simplified so that it would be easier to conceptualize. The rest of the book covering Architecture of the Eye, Magnification and Modules, The Corpus Callosum and Stereopsis, Color and Vision, Deprivation and Development, Present and Future were in my opinion the most interesting part of the book.

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