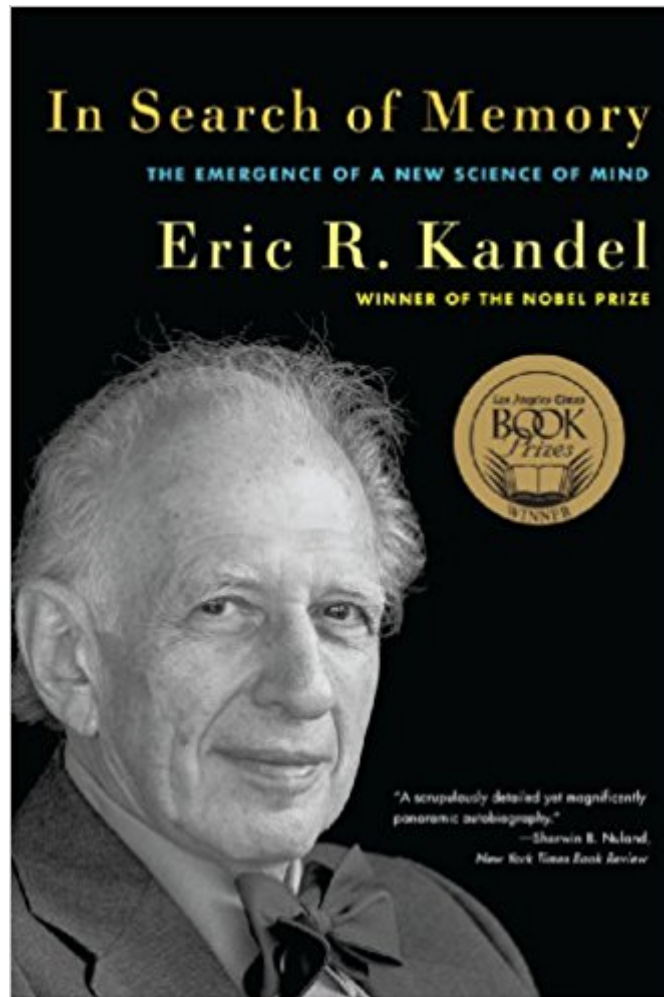


The book was found

In Search Of Memory: The Emergence Of A New Science Of Mind



Synopsis

A stunning book. • Oliver Sacks Memory binds our mental life together. We are who we are in large part because of what we learn and remember. But how does the brain create memories? Nobel Prize winner Eric R. Kandel intertwines the intellectual history of the powerful new science of the mind • a combination of cognitive psychology, neuroscience, and molecular biology • with his own personal quest to understand memory. A deft mixture of memoir and history, modern biology and behavior, In Search of Memory brings readers from Kandel's childhood in Nazi-occupied Vienna to the forefront of one of the great scientific endeavors of the twentieth century: the search for the biological basis of memory.

Book Information

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Customer Reviews

"The search for memory" is the best book I've read this year. I've studied Artificial Intelligence in the early 90's, and love science, and a good story. For someone with this background, this book is pure candy. Kandel's life is intertwined with his attempt to understand what makes us tick. He writes about the scars that Nazi occupation has left on a young Jewish boy in Vienna. These scars lead to a passionate quest for "why", why do people act as they do. Luckily for us, Kandel's attempt to answer this question leads him on a quest that has him surfing the perfect wave of the brain research his whole life. And in this book, we get to experience the wave with him. For me, science books are often either too technical, or too mushy. This one manages to hit the golden middle ground. After reading it, I have a lot better understanding of the brain & memory in general, and some topics I was

not really looking to understand: genetics & cell biology. The book is well organized. Kandel's personal memories mix with science and keep things from being too dry. The discoveries he describes come alive with the personalities that made them. And when you forget the exact meaning of some technical term such as "modulating circuit", there is a great glossary appendix to refresh your memory. And the topic of the book is so fascinating. Memory is at the core of who we are, why do we remember our summer holiday from 1972 so well, and forget what we had for breakfast today. Science, that invites you to think those grand philosophical thoughts. The book ends around 2004 with author applying his work to Alzheimer's disease. From Kristalnacht to biotech in a lifetime, what a journey. The only thing I wanted to ask Mr.

This is an extraordinary book about neuroscience, physiology, molecular biology and neurobiology and also about people and history. I bought the book with the intention to satisfy my curiosity in the latest developments in the science of mind. I was ready to handle an experience of reading through dry, complex theories and do some hard work of extracting information that I can make sense with my limited knowledge. Surprisingly, the book has none of that; it is written so well, as if it is the transcript of an one on one conversation between friends, so captivating, so clear and so human. I could not let go of it, reading until small hours when reluctantly, I had to go to sleep so next day I could show up at work in a reasonable shape. The book interweaves threads of science, personal life stories, career, friends, Jewish history, Nobel prize ceremony and biotechnology. The main story is about neuroscience, with emphasis on personal scientific work that culminated with Nobel prize award in 2000. The book can be divided in following sections: personal life, history of neuroscience and molecular biology, short term memory, long term memory, complex behavior and DNA, consciousness, mental illnesses, the experience of receiving Nobel prize, Austria and its relationship with Jewish community in the past and today and an insight analysis of trends in biotechnology from a business point of view. The book is focused on the biology of short term and long term memory. Eric does an excellent job explaining the evolution of neuroscience up to the point when he started his career, so the reader has a good understanding of contemporary issues and of the formation of neurobiology.

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