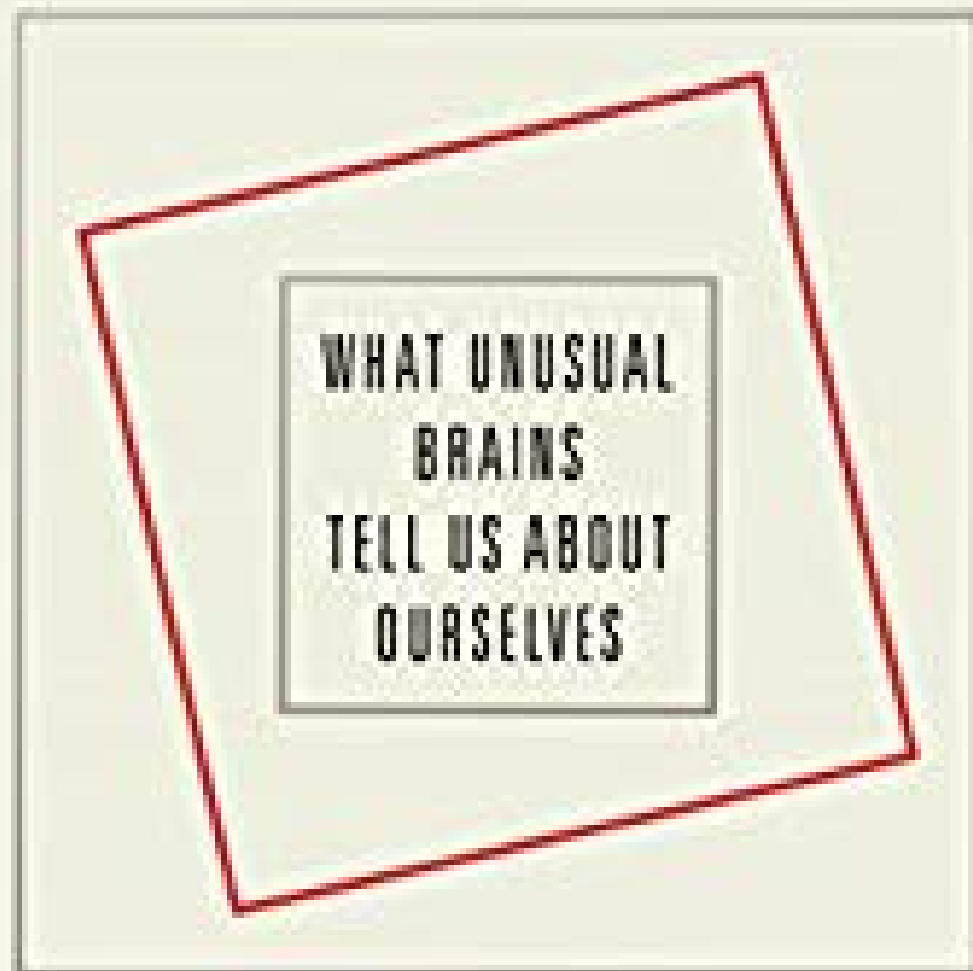


THE DISORDERED MIND



ERIC R. KANDEL

WINNER OF THE NOBEL PRIZE IN PHYSIOLOGY OR MEDICINE

Eric R. Kandel

The Disordered Mind: What Unusual Brains Tell Us About Ourselves



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A Nobel Prize-winning neuroscientist's probing investigation of what brain disorders can reveal about human being natureEric R. Kandel, the champion of the Nobel Prize in Physiology or Medicine for his foundational analysis into memory storage in the brain, is one of the pioneers of modern brain science. He confronts probably the most difficult questions we face: How does our mind, our individual sense of self, emerge from the physical matter of the mind? Studies of autism illuminate the neurological foundations of our interpersonal instincts; His work continues to shape our knowledge of how learning and memory space work and to breakdown age-old barriers between the sciences and the arts. and paradigm-shifting work on addiction has resulted in a new knowledge of the relationship between pleasure and willpower. While these disruptions bring great suffering, they are able to also reveal the mysteries of the way the human brain creates our most fundamental experiences and capabilities?the extremely nature of what it means to be human. The brain processes that give rise to our mind can become disordered, leading to diseases such as autism, unhappiness, schizophrenia, Parkinson's, addiction, and post-traumatic tension disorder. But sometimes those connections are disrupted.In his seminal new book, *The Disordered Mind*, Kandel draws on an eternity of pathbreaking research and the work of several other leading neuroscientists to take us on a unique tour of the mind. research into depression gives important insights on feelings and the integrity of the self; The brain's 86 billion neurons communicate with each other through very exact connections.By studying disruptions to typical mind functioning and exploring their potential remedies, we will deepen our knowledge of thought, feeling, behavior, memory space, and creativity. Only after that can we grapple with the big issue of how vast amounts of neurons generate awareness itself.



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Marvelous outline of neuroscience of the brain Often like Kandel, from his textbooks to his personal revelations (the latter more so). Eric Kandel, a Nobel Prize winning psychiatrist and neuroscientist, has written a remarkable and informative reserve. He presents the materials beautifully, so that even though technical terms (such as particular areas of the brain) are tossed in without full definition, the whole still bears you along with outstanding clarity. This question was raised especially after Watson, the IBM pc, defeated the world champions of the TV display "Jeopardy" in February 2011 and several people began to talk about the possibility of human beings being displaced by computer systems because of their increased intelligence. Kandel is one of the leading scholars addressing this hard subject matter. Professor Eric R. But it's as good an up-to-date consider the condition of neurophysics in the brain as you'll find anywhere. I obtained a whole lot of new insights (for example, that my cat offers likely harm to the lateral nucleus of his amygdala - and right here I believed he was simply nuts). Brain disorders reveal humanity and understanding This is almost a reference book, except that, 1) it draws on short case studies and fascinating stories of research discoveries and patients; and 2), instead of being limited to stating the reality, Dr. Kandel asks questions throughout. He knows his subject, but he's still curious and is still exploring the brain, the mind, and consciousness. The burgeoning topic of transgender people is also explored. This new reserve helps to get rid of many misunderstanding people have about consciousness, imagination, and how exactly we build our notions of the globe. In case you are on the spectrum, this might shed some light. Whether you are going through a existence episode or not really this book ought to be needed reading for all adults; He concludes with a chapter on consciousness, or, "the great staying mystery of the mind." As a good example, one chapter discusses the annals of research on autism and what we know so far. highly recommended. Today, understanding that genes play a role in autism can be oddly comforting, because it means researchers are on the path to learning more. One learns that autism also is subject to environmental influence and possibly a gene mutation. Kandel clarifies why people on the spectrum will get sensory overload plus some behaviors. If the reader includes a limited science history, it may be a hardcore slog through the specific neurological terminology, however the writer includes both illustrations in addition to a detailed index in the hard back edition for reference. If you know somebody on the spectrum, this will help you understand them better. He addresses a range of conditions devoting a chapter for every; "Descartes assumed that awareness was component of a divine ethereal universe that entered the human brain through the pineal gland which he thought to be the seat of the soul. You get the impression that, throughout this book, disorder is abnormal or there's a baseline that everyone operates on and that there's a select quantity of people that are 'defective' with

schizophrenia, anxiety, unhappiness, dementia, PTSD, Huntington's, Parkinson's and autism. Clarity from Chaos Dr. As a rundown of the status of neuroscience today, this deserves a fifth superstar. It's a chapter filled with interesting background. Kandell's main premise is usually that psychiatrists and neurophysiologists will get a better understanding of the functions of the human brain, by learning disorders of the mind. He targets autism, unhappiness, bipolar disorder, dementia, schizophrenia, Alzheimers, Parkinson's, Huntington's, anxiousness, PTSD, and addiction. In each instance, the author defines the disorder, gives the history of its diagnosis and treatment modalities and discusses the most recent research when it comes to genetics, brain scans, pet studies, surgery, or pharmacological techniques. Where applicable, he carries a paired approach of psychiatry and medication. Learnt a lot Masterful tour of neuropsychiatry The Disordered Mind The Disordered Brain by Eric R. By the finish of the 20th Century, neuroscientific research managed to get utterly clear that consciousness is a specific sequence of neural pathways which can be traced, measured, and manipulated. very interesting book Really hard to put down and lets you know everything approximately how the mind works. That's reassuring. Most exciting may be the prospect of the merging of psychoanalysis and the brand new biology of your brain to provide answers and perhaps cures for those who are suffering. Light inside my tunnel of darkness. This book is simple to read and helps relate life events to family and life itself. autism, depressive disorder, bi-polar disorder, schizophrenia, dementia, Parkinson's, Huntington's, anxiety, post-traumatic stress, addictions, gender identity, mind disorders and creativeness, and more. The way mothers of autistic children were treated during the past is quite sad. Also the section on creativity and mental disorders reveals that many leading painters, writers, poets and performers excel specifically because they have problems with a mental disorder like autism or bipolar disorder. Essential read for curious minds A stimulating reading in one of my favorite authors, a Nobel prize winner who may write beautifully., Great book. nice packaging and design liked the colors and the design An excellent presentation of what is the human brain and how exactly to study it One of the perennial queries in philosophy is what makes a human a individual? Brilliant author. There exists a generalized view that awareness and self-awareness is what makes us human. But, we may ask, what is consciousness?My just reservation is his stance that one mechanisms of the mind have already been firmly established, when, from what I've read elsewhere, that's not necessarily the case. The answer emerged promptly from philosophers and neuroscientists indicating that Watson was indeed a brilliant intelligent device, but they also concluded that "Watson was unable to know that it won at Jeopardy," which was since it lacks consciousness and self-recognition.). He's a staunch materialist (as am I), but I question if it doesn't make him need to believe that the neural and

genetic foundations of the circumstances he describes, such as for example Alzheimer's, are solidly set up and incontrovertible (are amyloid beta deposits certainly a reason behind Alzheimer's or a result or an association? Trained as a physician, he also created a double curiosity in neuroscience and psychoanalysis. Kandel's earlier book, *In Search of Memory*, has been an inspiration in my neuroscience research. A WONDERFUL, SIMPLE DESCRIPTION OF THE WAY THE BRAIN CREATES US! Born in Vienna (1929), his family members escaped after Hitler occupied Austria. The first chapter includes both historical and contemporary methods to the study of the mind (I now have a fresh respect for synapses), and demonstrates that Kandel is a good narrator/storyteller. Just simply because Oliver Sacks used disturbances in the mind to illuminate how our brain, emotions, and cognitive skills function in healthy individuals, Nobel Prize winning neuroscientist Eric Kandel illuminates how our brain developed those unique human being attributes associated with consciousness, creativity, and social consciousness by learning autism, schizophrenia, personality disorders, age-related illnesses, and PTSD. He starts his new publication by challenging, as Nietzsche did nearly 400 years back, Descartes' well-known axiom "I think, therefore I am. For every condition, Kandel draws upon historical background and scientific analysis to date. Some absolutely exciting revelations include the usage of a drug to treat some physical ailment which surprisingly relieved symptoms of mental disorders too. Having a dad who suffered for a long time from Alzheimers, this reviewer discovered enlightenment and a sense of hope for the future concerning this disease. Kandel is certainly a free of charge NetGalley ebook that I examine in early August. His goal is to increase human understanding, and understanding brain disorders gives us insight. Amid these conceptions, Kandel goes into neurological and cognitive findings, treatments, and individual disclosures, after telling of the origins/background of these conditions.



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