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# Astonishing Hypothesis The Scientific Search For The Soul

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Astonishing Hypothesis

Soul Made Flesh

How the SELF Controls Its BRAIN

Today's Leading Thinkers on the Unthinkable

Contemplating Minds

The Phenomenal Gift of Consciousness

The Quest for Consciousness

The Road to Reality

A Study in Consciousness

Rethinking Consciousness: A Scientific Theory of Subjective Experience

The 4-Step Solution for Changing Bad Habits, Ending Unhealthy Thinking, and Taking Control of Your Life

Bright Air, Brilliant Fire

Unraveling the Mystery of How the Brain Makes the Mind

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Seeing Red

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The Discovery of the Brain--and How it Changed the World

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Why Consciousness Is Widespread but Can't Be Computed

Francis Crick

States of Consciousness

Of Molecules and Men

The Scientific Search for the Soul

Life Itself

The Mystery of Consciousness

Why You Are Not Your Brain, and Other Lessons from the Biology of Consciousness

Mind Time

Consciousness

Quantum Consciousness

Eating and the Perfecting of Our Nature  
You Are Not Your Brain  
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The Consciousness Instinct  
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*Astonishing Hypothesis*  
*The Scientific Search*  
*For The Soul*

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## **BANKS HOOPER**

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**Astonishing Hypothesis** Simon and Schuster

This book presents a compelling unifying theory of which aspects of the brain are innate and which are not.

**Soul Made Flesh** Little, Brown

"Spurious Correlations ... is the most fun you'll ever have with graphs."--Bustle  
Military intelligence analyst and Harvard Law student Tyler Vigen illustrates the

golden rule that "correlation does not equal causation" through hilarious graphs inspired by his viral website. Is there a correlation between Nic Cage films and swimming pool accidents? What about beef consumption and people getting struck by lightning? Absolutely not. But that hasn't stopped millions of people from going to tylervigen.com and asking, "Wait, what?" Vigen has designed software that scours enormous data sets to find unlikely statistical correlations. He began pulling the funniest ones for his website and has

since gained millions of views, hundreds of thousands of likes, and tons of media coverage. Subversive and clever, *Spurious Correlations* is geek humor at its finest, nailing our obsession with data and conspiracy theory.

*How the SELF Controls Its BRAIN*

Prometheus Books

What goes on in our head when we have a thought? Why do the physical events that occur inside a fistful of gelatinous tissue give rise to the world of conscious experience? In *The Universe of Consciousness*, Gerald Edelman and Giulio Tononi present for the first time a full-scale theory of consciousness based on direct observation of the human brain in action. Their pioneering work, presented here in an elegant style, challenges much of the conventional

wisdom about consciousness. *The Universe of Consciousness* has enormous implications for our understanding of language, thought, emotion, and mental illness.

*Today's Leading Thinkers on the*

*Unthinkable* W. W. Norton & Company

"A first-class intellectual adventure."

—Brian Greene, author of *Until the End of Time* Illuminating his groundbreaking theory of consciousness, known as the attention schema theory, Michael S. A. Graziano traces the evolution of the mind over millions of years, with examples from the natural world, to show how neurons first allowed animals to develop simple forms of attention and then to construct awareness of the external world and of the self. His theory has fascinating implications for the

future: it may point the way to engineers for building consciousness artificially, and even someday taking the natural consciousness of a person and uploading it into a machine for a digital afterlife.

Contemplating Minds Basic Books

Consciousness is the major unsolved problem in biology. Written as an introduction to the field and drawing upon clinical, psychological and physiological observations, this book seeks to answer questions of consciousness within a neuroscientific framework.

*The Phenomenal Gift of Consciousness*

Springer Science & Business Media

In *Are You an Illusion?* today's scientific orthodoxy, which treats the self as nothing more than an elaborate illusion, comes under spirited attack. In an

impassioned defence of the importance of our own thoughts, feelings and experiences, Mary Midgley shows that there's much more to our selves than a jumble of brain cells. Exploring the remarkable gap that has opened up between our understanding of our own sense of self and today's science, she exposes some very odd claims and muddled thinking on the part of cognitive scientists and psychologists when they talk about the self and shows that many well-known philosophical problems in causality and free have been glossed over. Midgley argues powerfully and persuasively that the rich variety of our imaginative life cannot be contained in the narrow bounds of a highly puritanical materialism that simply equates brain and self. Engaging

with the work of prominent thinkers, Midgley investigates the source of our current attitudes to the self and reveals how ideas, traditions and myths have been twisted to fit in, seemingly naturally, with science's current preoccupation with the physical and, in doing so, have made many other valuable activities and ideas appear as anti-scientific. Midgley shows that the subjective sources of thought – our own experiences – are every bit as necessary in helping to explain the world as the objective ones such as brain cells. Are You an Illusion? offers a salutary analysis of science's claim to have done away with the self and a characteristic injection of common sense from one of our most respected philosophers into a debate increasingly in need of it.

The Quest for Consciousness Simon and Schuster

"In his third lecture Crick anticipates events and trends that have in fact come to pass in the past four decades, including the increasing use of computer technology and robotics in mind-brain research, explorations into right-side versus left-side uses of the brain, and controversies surrounding the existence of the soul."--BOOK JACKET.

The Road to Reality W. W. Norton & Company

Beginning with the seemingly simple act of seeing red, this brilliantly unsettling essay builds toward an explanation of why consciousness makes compelling evolutionary sense. From sensations that probably began in bodily expression to the evolutionary advantages of a

conscious self, Seeing Red tracks the "hard problem" of consciousness to its source and its solution, a solution in which the very hardness of the problem may make all the difference.

*A Study in Consciousness* Farrar, Straus and Giroux

Leading scientists and science writers reflect on the life-changing, perspective-changing, new science of human goodness. In these pages you will hear from Steven Pinker, who asks, "Why is there peace?"; Robert Sapolsky, who examines violence among primates; Paul Ekman, who talks with the Dalai Lama about global compassion; Daniel Goleman, who proposes "constructive anger"; and many others. Led by renowned psychologist Dacher Keltner, the Greater Good Science Center, based

at the University of California in Berkeley, has been at the forefront of the positive psychology movement, making discoveries about how and why people do good. Four times a year the center publishes its findings with essays on forgiveness, moral inspiration, and everyday ethics in Greater Good magazine. The best of these writings are collected here for the first time. A collection of personal stories and empirical research, *The Compassionate Instinct* will make you think not only about what it means to be happy and fulfilled but also about what it means to lead an ethical and compassionate life.

**Rethinking Consciousness: A Scientific Theory of Subjective Experience**

Yale University Press

How does consciousness arise out of the

functioning of the human brain? How is consciousness related to the behaviour that it accompanies? How does the world that we perceive relate to the real world? Between them, these three questions constitute what is commonly known as the Hard Problem of consciousness. This major new work from a distinguished scientist presents an accessible and compelling analysis of our conscious lives, with profound implications for human nature. To many, its conclusions will be very surprising.

**The 4-Step Solution for Changing Bad Habits, Ending Unhealthy Thinking, and Taking Control of Your Life** MIT Press

States of Consciousness expands on the pioneering work of J.H. Jackson, offering contemporary models for studying

consciousness in both pathology and normal altered states, including relaxation, sleep, meditation, and hypnosis. The author clarifies distinctions between the neuroscientific and psychiatric components of consciousness; at the same time, his theories are rooted firmly in the biopsychosocial approach. The book's scope and the author's attention to detail make it a work of great versatility.

**Bright Air, Brilliant Fire** Harvard University Press

Two neuroscience experts explain how their 4-Step Method can help break destructive thoughts and actions and change bad habits for good. A leading neuroplasticity researcher and the coauthor of the groundbreaking books *Brain Lock* and *The Mind and the Brain*,



Jeffrey M. Schwartz has spent his career studying the structure and neuronal firing patterns of the human brain. He pioneered the first mindfulness-based treatment program for people suffering from OCD, teaching patients how to achieve long-term relief from their compulsions. For the past six years, Schwartz has worked with psychiatrist Rebecca Gladding to refine a program that successfully explains how the brain works and why we often feel besieged by bad brain wiring. Just like with the compulsions of OCD patients, they discovered that bad habits, social anxieties, self-deprecating thoughts, and compulsive overindulgence are all rooted in overactive brain circuits. The key to making life changes that you want-to make your brain work for you-is

to consciously choose to "starve" these circuits of focused attention, thereby decreasing their influence and strength. As evidenced by the huge success of Schwartz's previous books, as well as Daniel Amen's *Change Your Brain, Change Your Life*, and Norman Doidge's *The Brain That Changes Itself*, there is a large audience interested in harnessing the brain's untapped potential, yearning for a step-by-step, scientifically grounded and clinically proven approach. In fact, readers of *Brain Lock* wrote to the authors in record numbers asking for such a book. In *You Are Not Your Brain*, Schwartz and Gladding carefully outline their program, showing readers how to identify negative brain impulses, channel them through the power of focused attention, and

ultimately lead more fulfilling and empowered lives.

**Unraveling the Mystery of How the Brain Makes the Mind** Oxford

University Press, USA

National Book Award Finalist: “This man’s ideas may be the most influential, not to say controversial, of the second half of the twentieth century.”—Columbus Dispatch At the heart of this classic, seminal book is Julian Jaynes's still-controversial thesis that human consciousness did not begin far back in animal evolution but instead is a learned process that came about only three thousand years ago and is still developing. The implications of this revolutionary scientific paradigm extend into virtually every aspect of our psychology, our history and culture, our

religion—and indeed our future. “Don’t be put off by the academic title of Julian Jaynes’s *The Origin of Consciousness in the Breakdown of the Bicameral Mind*. Its prose is always lucid and often lyrical...he unfolds his case with the utmost intellectual rigor.”—The New York Times “When Julian Jaynes . . . speculates that until late in the twentieth millennium BC men had no consciousness but were automatically obeying the voices of the gods, we are astounded but compelled to follow this remarkable thesis.”—John Updike, *The New Yorker* “He is as startling as Freud was in *The Interpretation of Dreams*, and Jaynes is equally as adept at forcing a new view of known human behavior.”—*American Journal of Psychiatry*

*What Mad Pursuit* Pyr Books

Alva Noë is one of a new breed—part philosopher, part cognitive scientist, part neuroscientist—who are radically altering the study of consciousness by asking difficult questions and pointing out obvious flaws in the current science. In *Out of Our Heads*, he restates and reexamines the problem of consciousness, and then proposes a startling solution: Do away with the two hundred-year-old paradigm that places consciousness within the confines of the brain. Our culture is obsessed with the brain—how it perceives; how it remembers; how it determines our intelligence, our morality, our likes and our dislikes. It's widely believed that consciousness itself, that Holy Grail of science and philosophy, will soon be

given a neural explanation. And yet, after decades of research, only one proposition about how the brain makes us conscious—how it gives rise to sensation, feeling, and subjectivity—has emerged unchallenged: We don't have a clue. In this inventive work, Noë suggests that rather than being something that happens inside us, consciousness is something we do. Debunking an outmoded philosophy that holds the scientific study of consciousness captive, *Out of Our Heads* is a fresh attempt at understanding our minds and how we interact with the world around us.

**Irreducible Mind** Rowman & Littlefield  
One place where the scientific debate has been written for a broad audience is in the book review column of the

international journal *Artificial Intelligence*, which has evolved from simple reviews to a multidisciplinary forum where reviewers and authors debate the latest, often competing, theories of human and artificial intelligence.

*Creeping Up on the Hard Problem* Yale University Press

“The father of cognitive neuroscience” illuminates the past, present, and future of the mind-brain problem How do neurons turn into minds? How does physical “stuff”—atoms, molecules, chemicals, and cells—create the vivid and various worlds inside our heads? The problem of consciousness has gnawed at us for millennia. In the last century there have been massive breakthroughs that have rewritten the science of the brain,

and yet the puzzles faced by the ancient Greeks are still present. In *The Consciousness Instinct*, the neuroscience pioneer Michael S. Gazzaniga puts the latest research in conversation with the history of human thinking about the mind, giving a big-picture view of what science has revealed about consciousness. The idea of the brain as a machine, first proposed centuries ago, has led to assumptions about the relationship between mind and brain that dog scientists and philosophers to this day. Gazzaniga asserts that this model has it backward—brains make machines, but they cannot be reduced to one. New research suggests the brain is actually a confederation of independent modules working together. Understanding how consciousness could

emanate from such an organization will help define the future of brain science and artificial intelligence, and close the gap between brain and mind.

Captivating and accessible, with insights drawn from a lifetime at the forefront of the field, *The Consciousness Instinct* sets the course for the neuroscience of tomorrow.

*The Scientific Search for the Soul*

Cambridge University Press

Candid, provocative, and disarming, this is the widely-praised memoir of the co-discoverer of the double helix of DNA.

*Seeing Red* Fortress Press

"Brilliant...as audacious as its title....Mr. Dennett's exposition is nothing short of brilliant." --George Johnson, New York Times Book Review  
*Consciousness Explained* is a full-scale exploration of

human consciousness. In this landmark book, Daniel Dennett refutes the traditional, commonsense theory of consciousness and presents a new model, based on a wealth of information from the fields of neuroscience, psychology, and artificial intelligence. Our current theories about conscious life-of people, animal, even robots--are transformed by the new perspectives found in this book.

*My View of the World* University of Chicago Press

It has long been one of the most fundamental problems of philosophy, and it is now, John Searle writes, "the most important problem in the biological sciences": What is consciousness? Is my inner awareness of myself something separate from my body? In what began

as a series of essays in The New York Review of Books, John Searle evaluates the positions on consciousness of such well-known scientists and philosophers as Francis Crick, Gerald Edelman, Roger Penrose, Daniel Dennett, David Chalmers, and Israel Rosenfield. He challenges claims that the mind works like a computer, and that brain functions can be reproduced by computer programs. With a sharp eye for confusion and contradiction, he points out which avenues of current research are most likely to come up with a biological examination of how conscious states are caused by the brain. Only when we understand how the brain works will we solve the mystery of consciousness, and only then will we begin to understand issues ranging from

artificial intelligence to our very nature as human beings.

**The Blackwell Companion to Consciousness** Vintage

As science crafts detailed accounts of human nature, what has become of the soul? This collaborative project strives for greater consonance between contemporary science and Christian faith. Outstanding scholars in biology, genetics, neuroscience, cognitive science, philosophy, theology, biblical studies, and ethics join here to offer contemporary accounts of human nature consistent with Christian teaching. Their central theme is a nondualistic account of the human person that does not consider the "soul" an entity separable from the body; scientific statements about the physical nature of human

beings are about exactly the same entity as are theological statements concerning the spiritual nature of human beings. For all those interested in fundamental

questions of human identity posed by the present context, this volume will provide a fascinating and authoritative resource.

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