The Triune Brain In Evolution Role In Paleocerebral Functions Hardcover Author Pd Maclean

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Your Mindful Compass

Cory, Gardner, and their contributors argue that how the brain is constructed determines how people behave socially. This has been a neglected thesis, except for a few pioneers, of whom Paul MacLean has been most outstanding. His animal observations, brain research, and evolutionary formulations have formed the basis of new important initiatives discussed in this collection.

Evolution of The Brain and Intelligence

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

Emotional Intelligence for IT Professionals

"A model of scientific writing: erudite, witty, and clear." —New York Review of Books In this Pulitzer Prize finalist and national bestseller, one of the world's leading cognitive scientists tackles the workings of the human mind. What makes us rational—and why are we so often irrational? How do we see in three dimensions? What makes us happy, afraid, angry, disgusted, or sexually aroused? Why do we fall in love? And how do we grapple with the imponderables of morality, religion, and consciousness? How the Mind Works synthesizes the most satisfying explanations of our mental life from cognitive

science, evolutionary biology, and other fields to explain what the mind is, how it evolved, and how it allows us to see, think, feel, laugh, interact, enjoy the arts, and contemplate the mysteries of life. This edition of Pinker's bold and buoyant classic is updated with a new foreword by the author.

Neuroscience for Coaches

Evolution of the Brain and Intelligence covers the general principles of behavior and brain function. The book is divided into four parts encompassing 17 chapters that emphasize the implications of the history of the brain for the evolution of behavior in vertebrates. The introductory chapter covers the studies of animal behavior and their implications about the nature of the animal’s world. The following chapters emphasize methodological issues and the meanings of brain indices and brain size, as well as the general anatomy of the brain. Other chapters discuss the history of the brain in the major vertebrate groups that were known about 300 million years ago to determine the fate of these early vertebrate groups. Discussions on broad trends in evolution and their implications for the evolution of intelligence are also included. Substantive matter on the brains, bodies, and associated mechanisms of behavior of vertebrates are covered in the remaining chapters of the book, with an emphasis on evolution “above the species level . This book is of value to anthropologists, behavioral scientists, zoologists, paleontologists, and neurosciences students.

The Motivated Brain

Learn the techniques used by the most successful IT people in the world. About This Book Get real-life case studies for different IT roles, developers, testers, analysts, project managers, DBAs Identify with your IT scenarios and take the right decision to move up in your career Improve your EQ and face any difficult scenario confidently and effectively Who This Book Is For This book is for professionals across the IT domain who work as developers, administrators, architects, administrators system analysts, and so on, who want to create a better working environment around them by improving their own emotional intelligence. This book assumes that you are a beginner to emotional intelligence and will help you understand the basic concepts before helping you with real life scenarios. What You Will Learn Improve your observation skills to understand people better Know how to identify what motivates you and those around you Develop strategies for working more effectively with others Increase your capacity to influence people and improve your communication skills Understand how to successfully complete tasks through other people Discover how to control the emotional content of your decision-making In Detail This book will help you discover your emotional quotient (EQ) through practices and techniques that are used by the most successful IT people in the world. It will make you familiar with the core skills of Emotional Intelligence, such as understanding the role that emotions play in life, especially in the workplace. You will learn to identify the factors that make your behavior consistent, not just to other employees, but to yourself. This includes recognizing,

harnessing, predicting, fostering, valuing, soothing, increasing, decreasing, managing, shifting, influencing or turning around emotions and integrating accurate emotional information into decision-making, reasoning, problem solving, etc., because, emotions run business in a way that spreadsheets and logic cannot. When a deadline lurks, you'll know the steps you need to take to keep calm and composed. You'll find out how to meet the deadline, and not get bogged down by stress. We'll explain these factors and techniques through real-life examples faced by IT employees and you'll learn using the choices that they made. This book will give you a detailed analysis of the events and behavioral pattern of the employees during that time. This will help you improve your own EQ to the extent that you don't just survive, but thrive in a competitive IT industry. Style and approach You will be taken through real-life events faced by IT employees in different scenarios. These real-world cases are analyzed along with the response of the employees, which will help you to develop your own emotion intelligence quotient and face any difficult scenario confidently and effectively.

Behave

Mind Wide Open

Though we have other distinguishing characteristics (walking on two legs, for instance, and relative hairlessness), the brain and the behavior it produces are what truly set us apart from the other apes and primates. And how this three-pound organ composed of water, fat, and protein turned a mammal species into the dominant animal on earth today is the story John S. Allen seeks to tell.

Primate Brain Evolution

This book offers the practical, ready-to-use MuSense program. Originally designed for music therapists working with individuals with profound multiple disabilities, the MuSense program provides comprehensive guidance to music therapists on how to effectively work with individuals whose needs can be extremely difficult to meet. Containing a robust, structured, evidence-based protocol of music therapy, and supported by case studies throughout, this book is also an essential resource in treatment planning for other diverse populations needing to develop enhanced body and sensory awareness.

Why Humans Like to Cry

"Your Mindful Compass" takes us behind the emotional curtain to see the mechanisms regulating individuals in social systems. There is great comfort and wisdom in knowing we can increase our awareness to manage the swift and ancient

mechanisms of social control. We can gain greater flexibility by seeing how social controls work in systems from ants to humans. To be less controlled by others, we learn how emotional systems influence our relationship-oriented brain. People want to know what goes on in families that give rise to amazing leaders and/or terrorists. For the first time in history we can understand the systems in which we live. The social sciences have been accumulating knowledge since the early fifties as to how we are regulated by others. S. Milgram, S. Ashe, P. Zimbardo and J. Calhoun, detail the vulnerability to being duped and deceived and the difficulty of cooperating when values differ. Murray Bowen, M.D., the first researcher to observe several live-in families, for up to three years, at the National Institute of Mental Health. Describing how family members overly influence one another and distribute stress unevenly, Bowen described both how symptoms and family leaders emerge in highly stressed families. Our brain is not organized to automatically perceive that each family has an emotional system, fine-tuned by evolution and "valuing" its survival as a whole, as much as the survival of any individual. It is easier to see this emotional system function in ants or mice but not in humans. The emotional system is organized to snooker us humans: encouraging us to take sides, run away from others, to pressure others, to get sick, to blame others, and to have great difficulty in seeing our part in problems. It is hard to see that we become anxious, stressed out and even that we are difficult to deal with. But "thinking systems" can open the doors of perception, allowing us to experience the world in a different way. This book offers both coaching ideas and stories from leaders as to strategies to break out from social control by de-triangling, using paradoxes, reversals and other types of interruptions of highly linked emotional processes. Time is needed to think clearly about the automatic nature of the two against one triangle. Time and experience is required as we learn strategies to put two people together and get self outside the control of the system. In addition, it takes time to clarify and define one's principles, to know what "I" will or will not do and to be able to take a stand with others with whom we are very involved. The good news is that systems' thinking is possible for anyone. It is always possible for an individual to understand feelings and to integrate them with their more rational brains. In so doing, an individual increases his or her ability to communicate despite misunderstandings or even rejection from important others. The effort involved in creating your Mindful Compass enables us to perceive the relationship system without experiencing it's threats. The four points on the Mindful Compass are: 1) Action for Self, 2) Resistance to Forward Progress, 3) Knowledge of Social Systems and the 4) The Ability to Stand Alone. Each gives us a view of the process one enters when making an effort to define a self and build an emotional backbone. It is not easy to find our way through the social jungle. The ability to know emotional systems well enough to take a position for self and to become more differentiated is part of the natural way humans cope with pressure. Now people can use available knowledge to build an emotional backbone, by thoughtfully altering their part in the relationship system. No one knows how far one can go by making an effort to be more of a self-defined individual in relationships to others. Through increasing emotional maturity, we can find greater individual freedom at the same time that we increase our ability to cooperate and to be close to others.

The Practitioner's Guide to Mirroring Hands

ISBN 0944850022 LCCN 87072980.

How the Mind Works

Taking its cue from "The Dragons of Eden, " Carl Sagan's 1977 bestselling classic, "Up from Dragons" traces the development of human intelligence back to its animal roots in an attempt to account for the vast differences between our species and all those that came before us.

The Eureka Factor

Did you know that the best time to learn something new is during the first two hours after you wake up and the last two hours before you go to sleep? Did you know that stressing key points in color can boost memory retention by 25 percent? Author Laura Erlauer has studied brain research and applied it to classroom teaching in a way that is both intuitive and scientific. Synthesizing recent research exploring how the brain works, she explains how students' emotions and stress affect their ability to learn, how the physical classroom environment influences learning, and what forms of assessment work best. Drawing on her experience as a teacher and principal, Erlauer summarizes current brain research and shows how teachers can use this knowledge in the classroom every day. The book covers a wide variety of topics, including * The most effective use of collaborative learning; * Simple ways to keep the attention of your students for the whole class period; * Keys to involving students in decision making to increase their engagement and achievement; * Ways to make lesson content relevant to motivate students; and * Things every teacher can to do limit stress in the classroom and school environment. Each chapter provides examples from real classrooms, showing how the research can be used to improve student learning. The ideas and strategies presented are from a variety of grade levels and subject areas and can be used immediately to create a classroom where students can reach their full potential.

The Triune Brain in Evolution

Richard Hill and Ernest L. Rossi's The Practitioner's Guide to Mirroring Hands: A Client-Responsive Therapy that Facilitates Natural Problem-Solving and Mind Body Healing describes in detail how Mirroring Hands is conducted, and explores the framework of knowledge and understanding that surrounds and supports its therapeutic process. Foreword by Jeffrey K. Zeig, Ph.D. In this instructive and illuminating manual, Hill and Rossi show you how Mirroring Hands enables clients to unlock their problem-solving and mind body healing capacities to arrive at a resolution in a way that many other therapies might not. The authors offer expert guidance as to its client-responsive applications and differentiate seven variations of the technique in order to give the practitioner confidence and comfort in their ability to work within and around the

possibilities presented while in session. Furthermore, Hill and Rossi punctuate their description of how Mirroring Hands is conducted with a range of illustrative casebook examples and stage-by-stage snapshots of the therapy in action: providing scripted language prompts and images of a client's hand movement that demonstrate the processes behind the technique as it takes the client from disruption into the therapeutic; and from there to integration, resolution, and a state of well-being. This book begins by tracing the emergence of the Mirroring Hands approach from its origins in Rossi's studies and experiences with Milton H. Erickson and by presenting a transcription of an insightful discussion between Rossi and Hill as they challenge some of the established ways in which we approach psychotherapy, health, and well-being. Building upon this exchange of ideas, the authors define and demystify the nature of complex, non-linear systems and skillfully unpack the three key elements of induction to therapeutic consciousness focused attention, curiosity, and nascent confidence in a section dedicated to preparing the client for therapy. Hill and Rossi supply guidance for the therapist through explanation of therapeutic dialogue's non-directive language principles, and through exploration of the four-stage cycle that facilitates the client's capacity to access their natural problem-solving and mind body healing. The advocate Mirroring Hands as not only a therapeutic technique, but also for all practitioners engaged in solution-focused therapy. Through its enquiry into the vital elements of client-cue observation, symptom-scaling, and rapport-building inherent in the therapist/client relationship, this book shares great wisdom and insight that will help the practitioner become more attuned to their clients' inner worlds and communication patterns. Hill and Rossi draw on a wealth of up-to-date neuroscientific research and academic theory to help bridge the gap between therapy's intended outcomes and its measured neurological effects, and, towards the book's close, also open the door to the study of quantum field theory to inspire the reader's curiosity in this fascinating topic. An ideal progression for those engaged in mindfulness and meditation, this book is the first book on the subject specially written for all mental health practitioners and is suitable for students of counseling, psychotherapy, psychology, and hypnotherapy, as well as anyone in professional practice.

Affective Neuroscience

This original and lucid account of the complexities of love and its essential role in human well-being draws on the latest scientific research. Three eminent psychiatrists tackle the difficult task of reconciling what artists and thinkers have known for thousands of years about the human heart with what has only recently been learned about the primitive functions of the human brain. A General Theory of Love demonstrates that our nervous systems are not self-contained: from earliest childhood, our brains actually link with those of the people close to us, in a silent rhythm that alters the very structure of our brains, establishes life-long emotional patterns, and makes us, in large part, who we are. Explaining how relationships function, how parents shape their child’s developing self, how psychotherapy really works, and how our society dangerously flouts essential emotional laws, this is a work of rare passion and eloquence that will forever change the way you think about human intimacy. From the Trade Paperback edition.

Handbook of Child Sexual Abuse

BRILLIANTLY EXPLORING TODAY'S CUTTING-EDGE BRAIN RESEARCH, MIND WIDE OPEN IS AN UNPRECEDENTED JOURNEY INTO THE ESSENCE OF HUMAN PERSONALITY, ALLOWING READERS TO UNDERSTAND THEMSELVES AND THE PEOPLE IN THEIR LIVES AS NEVER BEFORE. Using a mix of experiential reportage, personal storytelling, and fresh scientific discovery, Steven Johnson describes how the brain works -- its chemicals, structures, and subroutines -- and how these systems connect to the day-to-day realities of individual lives. For a hundred years, he says, many of us have assumed that the most powerful route to self-knowledge took the form of lying on a couch, talking about our childhoods. The possibility entertained in this book is that you can follow another path, in which learning about the brain's mechanics can widen one's self-awareness as powerfully as any therapy or meditation or drug. In Mind Wide Open, Johnson embarks on this path as his own test subject, participating in a battery of attention tests, learning to control video games by altering his brain waves, scanning his own brain with a $2 million fMRI machine, all in search of a modern answer to the oldest of questions: who am I? Along the way, Johnson explores how we "read" other people, how the brain processes frightening events (and how we might rid ourselves of the scars those memories leave), what the neurochemistry is behind love and sex, what it means that our brains are teeming with powerful chemicals closely related to recreational drugs, why music moves us to tears, and where our breakthrough ideas come from. Johnson's clear, engaging explanation of the physical functions of the brain reveals not only the broad strokes of our aptitudes and fears, our skills and weaknesses and desires, but also the momentary brain phenomena that a whole human life comprises. Why, when hearing a tale of woe, do we sometimes smile inappropriately, even if we don't want to? Why are some of us so bad at remembering phone numbers but brilliant at recognizing faces? Why does depression make us feel stupid? To read Mind Wide Open is to rethink family histories, individual fates, and the very nature of the self, and to see that brain science is now personally transformative -- a valuable tool for better relationships and better living.

A General Theory of Love

“Fascinating . . . A thought-provoking journey into emotion science.” — Wall Street Journal “A singular book, remarkable for the freshness of its ideas and the boldness and clarity with which they are presented.” — Scientific American “A brilliant and original book on the science of emotion, by the deepest thinker about this topic since Darwin.” — Daniel Gilbert, best-selling author of Stumbling on Happiness The science of emotion is in the midst of a revolution on par with the discovery of relativity in physics and natural selection in biology. Leading the charge is psychologist and neuroscientist Lisa Feldman Barrett, whose research overturns the long-standing belief that emotions are automatic, universal, and hardwired in different brain regions. Instead, Barrett shows, we construct each instance of emotion through a unique interplay of brain, body, and culture. A lucid report from the cutting edge of emotion science, How Emotions Are Made reveals the profound

real-world consequences of this breakthrough for everything from neuroscience and medicine to the legal system and even national security, laying bare the immense implications of our latest and most intimate scientific revolution. “Mind-blowing.” — Elle “Chock-full of startling, science-backed findings . . . An entertaining and engaging read. ” — Forbes

Beyond Evolutionary Psychology

"This is MacLean's major work on the evolutionary development of the human brain. In its evolution the human forebrain expands along the lines of three basic formations that anatomical and biochemically reflect an ancestral relationship, respectively, to reptiles, early mammals, and late mammals. MacLean describes this as the Triune Brain." -- Amazon.com viewed July 29, 2020.

Cephalopod Cognition

Self-Reg

Foreword by Daniel Goleman, author of Emotional Intelligence. This groundbreaking book, from one of the global innovators in the integration of brain science with psychotherapy, offers an extraordinary guide to the practice of “mindsight,” the potent skill that is the basis for both emotional and social intelligence. From anxiety to depression and feelings of shame and inadequacy, from mood swings to addictions, OCD, and traumatic memories, most of us have a mental “trap” that causes recurring conflict in our lives and relationships. Daniel J. Siegel, M.D., a clinical professor of psychiatry at the UCLA School of Medicine and co-director of the UCLA Mindful Awareness Research Center, shows us how to use mindsight to escape these traps. Through his synthesis of a broad range of scientific research with applications to everyday life, Dr. Siegel has developed novel approaches that have helped hundreds of patients free themselves from obstacles blocking their happiness. By cultivating mindsight, all of us can effect positive, lasting changes in our brains—and our lives. A book as inspiring as it is profound, Mindsight can help us master our emotions, heal our relationships, and reach our fullest potential.

The Brain-compatible Classroom

At once a pioneering study of evolution and an accessible and lively reading experience, The Mating Mind marks the arrival of a prescient and provocative new science writer. Psychologist Geoffrey Miller offers the most convincing–and radical–explanation for how and why the human mind evolved. Consciousness, morality, creativity, language, and art: these

are the traits that make us human. Scientists have traditionally explained these qualities as merely a side effect of surplus brain size, but Miller argues that they were sexual attractors, not side effects. He bases his argument on Darwin' s theory of sexual selection, which until now has played second fiddle to Darwin' s theory of natural selection, and draws on ideas and research from a wide range of fields, including psychology, economics, history, and pop culture. Witty, powerfully argued, and continually thought-provoking, The Mating Mind is a landmark in our understanding of our own species.

The Evolutionary Neuroethology of Paul MacLean

There's no such thing as a bad kid. That's what a lifetime of experience has taught Dr. Stuart Shanker. No matter how difficult, out of control, distracted, or exhausted a child might seem, there's a way forward: self-regulation. Overturning decades of conventional wisdom, this radical new technique allows children and the adults who care for them to regain their composure and peace of mind. Self-Reg is a groundbreaking book that presents an entirely new understanding of your child's emotions and behavior and a practical guide for parents to help their kids engage calmly and successfully in learning and life. Grounded in decades of research and working with children and parents by Dr. Shanker, Self-Reg realigns the power of the parent-child relationship for positive change. Self-regulation is the nervous system's way of responding to stress. We are seeing a generation of children and teens with excessively high levels of stress, and, as a result, an explosion of emotional, social, learning, behavior, and physical health problems. But few parents recognize the "hidden stressors" that their children are struggling with: physiological as well as social and emotional. An entrenched view of child rearing sees our children as lacking self-control or willpower, but the real basis for these problems lies in excessive stress. Self-regulation can dramatically improve a child's mood, attention, and concentration. It can help children to feel empathy, and to cultivate the sorts of virtues that most parents know are vital for their child's long-term wellbeing. Self-regulation brings about profound and lasting transformation that continues throughout life. Dr. Shanker translates decades of his findings from working with children into practical, prescriptive advice for parents, giving them concrete ways to develop their self-regulation skills and teach their children to do the same and engage successfully with life for optimal learning, social, and emotional growth.

Dragons of Eden

A guide to ACT: the revolutionary mindfulness-based program for reducing stress, overcoming fear, and finding fulfilment – now updated. International bestseller, 'The Happiness Trap', has been published in over thirty countries and twenty-two languages. NOW UPDATED. Popular ideas about happiness are misleading, inaccurate, and are directly contributing to our current epidemic of stress, anxiety and depression. And unfortunately, popular psychological approaches are making it even worse! In this easy-to-read, practical and empowering self-help book, Dr Russ Harries, reveals how millions of people

are unwittingly caught in the 'The Happiness Trap', where the more they strive for happiness the more they suffer in the long term. He then provides an effective means to escape through the insights and techniques of ACT (Acceptance and Commitment Therapy), a groundbreaking new approach based on mindfulness skills. By clarifying your values and developing mindfulness (a technique for living fully in the present moment), ACT helps you escape the happiness trap and find true satisfaction in life. Mindfulness skills are easy to learn and will rapidly and effectively help you to reduce stress, enhance performance, manage emotions, improve health, increase vitality, and generally change your life for the better. The book provides scientifically proven techniques to: reduce stress and worry; rise above fear, doubt and insecurity; handle painful thoughts and feelings far more effectively; break self-defeating habits; improve performance and find fulfilment in your work; build more satisfying relationships; and, create a rich, full and meaningful life.

Up from Dragons

Consider Miles Davis, horn held high, sculpting a powerful musical statement full of tonal patterns, inside jokes, and thrilling climactic phrases—all on the fly. Or think of a comedy troupe riffing on a couple of cues from the audience until the whole room is erupting with laughter. Or maybe it’s a team of software engineers brainstorming their way to the next Google, or the Einsteins of the world code-cracking the mysteries of nature. Maybe it’s simply a child playing with her toys. What do all of these activities share? With wisdom, humor, and joy, philosopher Stephen T. Asma answers that question in this book: imagination. And from there he takes us on an extraordinary tour of the human creative spirit. Guided by neuroscience, animal behavior, evolution, philosophy, and psychology, Asma burrows deep into the human psyche to look right at the enigmatic but powerful engine that is our improvisational creativity—the source, he argues, of our remarkable imaginational capacity. How is it, he asks, that a story can evoke a whole world inside of us? How are we able to rehearse a skill, a speech, or even an entire scenario simply by thinking about it? How does creativity go beyond experience and help us make something completely new? And how does our moral imagination help us sculpt a better society? As he shows, we live in a world that is only partly happening in reality. Huge swaths of our cognitive experiences are made up by “what-ifs,” “almosts,” and “maybes,” an imagined terrain that churns out one of the most overlooked but necessary resources for our flourishing: possibilities. Considering everything from how imagination works in our physical bodies to the ways we make images, from the mechanics of language and our ability to tell stories to the creative composition of self-consciousness, Asma expands our personal and day-to-day forms of imagination into a grand scale: as one of the decisive evolutionary forces that has guided human development from the Paleolithic era to today. The result is an inspiring look at the rich relationships among improvisation, imagination, and culture, and a privileged glimpse into the unique nature of our evolved minds.

The Evolution of Imagination

Why do we do the things we do? Over a decade in the making, this game-changing book is Robert Sapolsky's genre-shattering attempt to answer that question as fully as perhaps only he could, looking at it from every angle. Sapolsky's storytelling concept is delightful but it also has a powerful intrinsic logic: he starts by looking at the factors that bear on a person's reaction in the precise moment a behavior occurs, and then hops back in time from there, in stages, ultimately ending up at the deep history of our species and its genetic inheritance. And so the first category of explanation is the neurobiological one. What goes on in a person's brain a second before the behavior happens? Then he pulls out to a slightly larger field of vision, a little earlier in time: What sight, sound, or smell triggers the nervous system to produce that behavior? And then, what hormones act hours to days earlier to change how responsive that individual is to the stimuli which trigger the nervous system? By now, he has increased our field of vision so that we are thinking about neurobiology and the sensory world of our environment and endocrinology in trying to explain what happened. Sapolsky keeps going--next to what features of the environment affected that person's brain, and then back to the childhood of the individual, and then to their genetic makeup. Finally, he expands the view to encompass factors larger than that one individual. How culture has shaped that individual's group, what ecological factors helped shape that culture, and on and on, back to evolutionary factors thousands and even millions of years old. The result is one of the most dazzling tours de horizon of the science of human behavior ever attempted, a majestic synthesis that harvests cutting-edge research across a range of disciplines to provide a subtle and nuanced perspective on why we ultimately do the things we dofor good and for ill. Sapolsky builds on this understanding to wrestle with some of our deepest and thorniest questions relating to tribalism and xenophobia, hierarchy and competition, morality and free will, and war and peace. Wise, humane, often very funny, Behave is a towering achievement, powerfully humanizing, and downright heroic in its own right.

Mindsight

What really motivates students to learn? What gets them interested—and keeps them interested—in pursuing knowledge and understanding? Recent neuroscientific findings have uncovered the source of our motivation to learn, or as neuroscientist Jaak Panksepp terms it, the drive to seek. Seeking is what gets us out of bed in the morning, the engine that powers our actions, and the need that manifests as curiosity. Informed by new findings on the nature of the brain's seeking system, internationally renowned educators Gayle Gregory and Martha Kaufeldt have identified key brain-friendly strategies for improving student motivation, knowledge acquisition, retention, and academic success. In this book, readers will learn * The science behind the motivated brain and how it relates to student learning. * Strategies for preparing a motivational environment and lesson. * Strategies for creating engaging learning experiences that capitalize on the brain's natural ways of learning. * Strategies for improving depth of knowledge, complex thinking, and synthesis to get students into the ever-desired state of flow. * How attention to the neuroscience of motivation will improve the classroom environment and student learning. The Motivated Brain shows teachers how to harness the power of their students' intrinsic motivation to

make learning fun, engaging, and meaningful.

Music Therapy for Multisensory and Body Awareness in Children and Adults with Severe to Profound Multiple Disabilities

Are you concerned, conflicted, and confused about your life's meaning and purpose? Have you examined how you address the existential issues of the alternatives in religious beliefs and doctrines? The eternal human quest for a happy and fulfilled life can now enter a new phase as we create new understandings from the interactions of neuroscience, mental health, and religion. In this book, the prominent neuroscientist author lucidly explores trinities of perspectives, based on the intimate interface of a Triune Brain (an oversimplified view of our evolved reptile brain, primitive mammalian brain, and newly evolved primate brain), the Triune Mind (consisting of conscious, unconscious, nonconscious processes), and a Triune Worldview, (where neuroscience, mental health, and religion overlap and mutually inform each other). This book will encourage and help you think and feel anew in a mentally healthy way in your pursuit of happiness, fulfillment, and spiritual wholeness.

The Creative Brain

WALTER A. ROSENBLITH Footnotes to the Recent History of Neuroscience: Personal Reflections and Microstories The workshop upon which this volume is based offered me an opportunity to renew contact fairly painlessly with workers in the brain sciences, not just as a participant/observer but maybe as what might be called a teller of microstories. I had originally become curious about the brain by way of my wife's senior thesis, in which she attempted to relate electroencephalography to certain aspects of human behavior. As a then-budding physicist and communications engineer, I had barely heard about brain waves, nor had I studied physiology in a systematic way. My work on noise dealt with the effects of certain acoustical stimuli on biological structures and entire organisms. This was the period immediately after World War II when many scientists and engineers who had done applied work in the war effort were trying to find their way among the challenging new fields that were opening up. Francis Crick, among others, has described such a search taking place in the cafes of the "other" Cambridge, the one on the Cam. At that time the brain sciences, in his opinion, offered much less promise than molecular biology. However, he was sufficiently attracted by what they might eventually have to offer to keep an eye on them, and several decades later his work turned toward the brain.

So Human a Brain

This book is the second volume of autobiographical essays by distinguished senior neuroscientists; it is part of the first

collection of neuroscience writing that is primarily autobiographical. As neuroscience is a young discipline, the contributors to this volume are truly pioneers of scientific research on the brain and spinal cord. This collection of fascinating essays should inform and inspire students and working scientists alike. The general reader interested in science may also find the essays absorbing, as they are essentially human stories about commitment and the pursuit of knowledge. The contributors included in this volume are: Lloyd M. Beidler, Arvid Carlsson, Donald R. Griffin, Roger Guillemin, Ray Guillery, Masao Ito. Martin G. Larrabee, Jerome Lettvin, Paul D. MacLean, Brenda Milner, Karl H. Pribram, Eugene Roberts and Gunther Stent. Key Features * Second volume in a collection of neuroscience writing that is primarily autobiographical * Contributors are senior neuroscientists who are pioneers in the field

The Mating Mind

Humans are unique in shedding tears of sorrow. We do not just cry over our own problems: we seek out sad stories, go to film and the theatre to see Tragedies, and weep in response to music. What led humans to develop such a powerful social signal as tears, and to cultivate great forms of art which have the capacity to arouse us emotionally? Friedrich Nietzsche argued that Dionysian drives and music were essential to the development of Tragedy. Here, the neuropsychiatrist Michael Trimble, using insights from modern neuroscience and evolutionary biology, attempts to understand this fascinating and unique aspect of human nature--Book jacket.

The Happiness Trap

Some investigators have argued that emotions, especially animal emotions, are illusory concepts outside the realm of scientific inquiry. However, with advances in neurobiology and neuroscience, researchers are demonstrating that this position is wrong as they move closer to a lasting understanding of the biology and psychology of emotion. In Affective Neuroscience, Jaak Panksepp provides the most up-to-date information about the brain-operating systems that organize the fundamental emotional tendencies of all mammals. Presenting complex material in a readable manner, the book offers a comprehensive summary of the fundamental neural sources of human and animal feelings, as well as a conceptual framework for studying emotional systems of the brain. Panksepp approaches emotions from the perspective of basic emotion theory but does not fail to address the complex issues raised by constructionist approaches. These issues include relations to human consciousness and the psychiatric implications of this knowledge. The book includes chapters on sleep and arousal, pleasure and fear systems, the sources of rage and anger, and the neural control of sexuality, as well as the more subtle emotions related to maternal care, social loss, and playfulness. Representing a synthetic integration of vast amounts of neurobehavioral knowledge, including relevant neuroanatomy, neurophysiology, and neurochemistry, this book will be one of the most important contributions to understanding the biology of emotions since Darwins The Expression of

the Emotions in Man and Animals

Seven and a Half Lessons about the Brain

Focusing on comparative cognition in cephalopods, this book illuminates the wide range of mental function in this often overlooked group.

The Triune Brain, Hypnosis and the Evolution of Consciousness

Many coaching tools and techniques are now fairly well established, but how do they actually work? Neuroscience for Coaches equips coaches with information that will help them answer this question and therefore deliver greater value to clients. Based on over twelve years of research, this book provides a clear explanation of the aspects of neuroscience that are relevant to coaching so you can describe to clients from a neuroscientific perspective why particular techniques and methods work and the benefits to them. This fully updated 2nd edition of Neuroscience for Coaches includes new interviews with Marshall Goldsmith, Susan Greenfield, Christian van Nieuwerburgh and Kim Morgan, along with new material on oxytocin, goals and mindfulness. It covers the latest neuroscientific research and, crucially, the ways in which coaches can use this information effectively and practically in their everyday work. Neuroscience for Coaches is a vital resource for keeping up to date with recent scientific developments, tools and techniques in coaching.

Reptile

In a book perfect for readers of Charles Duhigg’s The Power of Habit, David Eagleman’s Incognito, and Leonard Mlodinow’s Subliminal, the cognitive neuroscientists who discovered how the brain has aha moments—sudden creative insights—explain how they happen, when we need them, and how we can have more of them to enrich our lives and empower personal and professional success. Eureka or aha moments are sudden realizations that expand our understanding of the world and ourselves, conferring both personal growth and practical advantage. Such creative insights, as psychological scientists call them, were what conveyed an important discovery in the science of genetics to Nobel laureate Barbara McClintock, the melody of a Beatles ballad to Paul McCartney, and an understanding of the cause of human suffering to the Buddha. But these moments of clarity are not given only to the famous. Anyone can have them. In The Eureka Factor, John Kounios and Mark Beeman explain how insights arise and what the scientific research says about stimulating more of them. They discuss how various conditions affect the likelihood of your having an insight, when insight is helpful and when deliberate methodical thought is better suited to a task, what the relationship is between insight and intuition, and how the brain’s right hemisphere contributes to creative thought. Written in a lively, engaging style, this book

goes beyond scientific principles to offer productive techniques for realizing your creative potential—at home and at work. The authors provide compelling anecdotes to illustrate how eureka experiences can be a key factor in your life. Attend a dinner party with Christopher Columbus to learn why we need insights. Go to a baseball game with the director of a classic Disney Pixar movie to learn about one important type of aha moment. Observe the behind-the-scenes arrangements for an Elvis Presley concert to learn why the timing of insights is crucial. Accessible and compelling, The Eureka Factor is a fascinating look at the human brain and its seemingly infinite capacity to surprise us. Praise for The Eureka Factor "Delicious . . . In The Eureka Factor, neuroscientists John Kounios and Mark Beeman give many other examples of [a] kind of lightning bolt of insight, but back this up with the latest brain-imaging research."—Newsweek "An incredible accomplishment . . . [The Eureka Factor] is not just a chronicle of the journey that numerous scientists (including the authors) have taken to examine insight but is also a fascinating guide to how advances in science are made in general. Messrs. Kounios and Beeman examine how a parade of clever experiments can be designed to answer specific questions and rule out alternative possibilities. . . . Wonderful ideas appear as if out of nowhere—and we are delighted."—The Wall Street Journal "An excellent title for those interested in neuroscience or creativity . . . The writing is engaging and readable, mixing stories of famous perceptions with explanations of how such revelations happen."—Library Journal (starred review) "A lively and accessible 'brain' book with wide appeal."—Booklist "[An] ingenious, thoughtful update on how the mind works."—Kirkus Reviews "The Eureka Factor presents a fascinating and illuminating account of the creative process and how to foster it."—James J. Heckman, Nobel laureate in economics From the Hardcover edition.

Triune Brain, Triune Mind, Triune Worldview

The only person who has produced a cogent understanding of the extraordinary phenomenon of hypnosis is Julian Jaynes, one of the most important figures of the twentieth century, but tragically overlooked. Jaynes linked hypnosis to the bicameral (two-hemisphered) structure of the brain, and inferred that consciousness arose from the breakdown of a prior "master-slave" mode of functioning that he called the "bicameral mind". The architecture of consciousness is the opposite of the architecture of bicameralism. The former hasn't replaced the latter. It simply sits on top of it, and in certain circumstances the old architecture can reassert itself. This is what happens with hypnosis. All of human behavior may be understood in terms of the ongoing conflict between these two architectures. Although most people seem conscious, they are often in a thinly-disguised bicameral mode that reflects the master-slave paradigm. This book is one of a series by the Pythagorean Illuminati.

It's Not Always Depression

Fascinating patient stories and dynamic exercises help you connect to healing emotions, ease anxiety and depression, and

discover your authentic self. Sara suffered a debilitating fear of asserting herself. Spencer experienced crippling social anxiety. Bonnie was shut down, disconnected from her feelings. These patients all came to psychotherapist Hilary Jacobs Hendel seeking treatment for depression, but in fact none of them were chemically depressed. Rather, Jacobs Hendel found that they'd all experienced traumas in their youth that caused them to put up emotional defenses that masqueraded as symptoms of depression. Jacobs Hendel led these patients and others toward lives newly capable of joy and fulfillment through an empathic and effective therapeutic approach that draws on the latest science about the healing power of our emotions. Whereas conventional therapy encourages patients to talk through past events that may trigger anxiety and depression, accelerated experiential dynamic psychotherapy (AEDP), the method practiced by Jacobs Hendel and pioneered by Diana Fosha, PhD, teaches us to identify the defenses and inhibitory emotions (shame, guilt, and anxiety) that block core emotions (anger, sadness, fear, disgust, joy, excitement, and sexual excitement). Fully experiencing core emotions allows us to enter an openhearted state where we are calm, curious, connected, compassionate, confident, courageous, and clear. In It's Not Always Depression, Jacobs Hendel shares a unique and pragmatic tool called the Change Triangle—a guide to carry you from a place of disconnection back to your true self. In these pages, she teaches lay readers and helping professionals alike • why all emotions—even the most painful—have value. • how to identify emotions and the defenses we put up against them. • how to get to the root of anxiety—the most common mental illness of our time. • how to have compassion for the child you were and the adult you are. Jacobs Hendel provides navigational tools, body and thought exercises, candid personal anecdotes, and profound insights gleaned from her patients' remarkable breakthroughs. She shows us how to work the Change Triangle in our everyday lives and chart a deeply personal, powerful, and hopeful course to psychological well-being and emotional engagement.

The History of Neuroscience in Autobiography

From the author of How Emotions Are Made, a myth-busting primer on the brain, in the tradition of Seven Brief Lessons on Physics and Astrophysics for People in a Hurry

How Emotions Are Made

A comprehensive guide to the identification, assessment, and treatment of child sexual abuse The field of child sexual abuse has experienced an explosion of research, literature, and enhanced treatment methods over the last thirty years. Representing the latest refinements of thought in this field, Handbook of Child Sexual Abuse: Identification, Assessment, and Treatment combines the most current research with a wealth of clinical experience. The contributing authors, many of whom are pioneers in their respective specialties, include researchers and clinicians, forensic interviewers and law enforcement professionals, caseworkers and victim advocates, all of whom do the work of helping children who have been

sexually victimized. Offering a snapshot of the state of the field as it stands today, Handbook of Child Sexual Abuse explores a variety of issues related to child sexual abuse, from identification, assessment, and treatment methods to models for implementation and prevention, including: The impact of sexual abuse on the developing brain The potential implications of early sexual victimization Navigating the complexities of multidisciplinary teams Forensic interviewing and clinical assessment Treatment options for children who have traumagenic symptoms as a response to their sexual victimization Treating children with sexual behavior problems and adolescents who engage in illegal sexual behavior Secondary trauma and vicarious traumatization Cultural considerations and prevention efforts Edited by a leader in the field of child therapy, this important reference equips helping professionals on the front lines in the battle against child sexual abuse—not merely with state-of-the-art knowledge—but also with a renewed vision for the importance of their role in the shaping of our culture and the healing of victimized children.

The Lives of the Brain

“A history of the human brain from the big bang, fifteen billion years ago, to the day before yesterday . . . It's a delight.”—The New York Times Dr. Carl Sagan takes us on a great reading adventure, offering his vivid and startling insight into the brain of man and beast, the origin of human intelligence, the function of our most haunting legends—and their amazing links to recent discoveries. “How can I persuade every intelligent person to read this important and elegant book? . . . He talks about all kinds of things: the why of the pain of human childbirth . . . the reason for sleeping and dreaming . . . chimpanzees taught to communicate in deaf and dumb language . . . the definition of death . . . cloning . . . computers . . . intelligent life on other planets. . . . Fascinating . . . delightful.”—The Boston Globe “In some lost Eden where dragons ruled, the foundations of our intelligence were laid. . . . Carl Sagan takes us on a guided tour of that lost land. . . . Fascinating . . . entertaining . . . masterful.”—St. Louis Post-Dispatch

Anatomy of Neuropsychiatry

Given the past decade's explosion of neurobiological and paleontologi cal data and their increasingly sophisticated analyses, interdisciplinary syntheses between these two broad disciplines are of value and interest to many different scientists. The collected papers of this volume will appeal to students of primate and hominid evolution, neuroscientists, sociobiolo gists, and other behaviorists who seek a better understanding of the substrates of primate, including human, behavior. Each species of living primates represents an endpoint in evolution, but comparative neurologists can produce approximate evolutionary se quences by careful analyses of representative series. Because nervous tissue does not fossilize, only a comparison of structures and functions among extant primates can be used to investigate the fine details of primate bra~n evolution. Paleoneurologists, who directly examine the fossil record via endocasts or cranial capacities of

fossil skulls, can best provide information about gross details, such as changes in brain size or sulcal patterns, and determine when they occurred. Physical anthropologists and paleontologists have traditionally relied more on paleoneurology, whereas neuroscientists and psychologists have relied more on comparative neurology. This division has been a detriment to the advancement of these fields and to the conceptual bases of primate brain evolution. Both methods are important and a synthesis is desirable. To this end, two symposia were held in 1980--one at the meeting of the American Association of Physical Anthro pologists in Niagara Falls, U. S. A. , and one at the precongressional meeting of the International Primatological Society in Torino, Italy.

Comparative Neuroscience and Neurobiology

Anatomy of Neuropsychiatry presents the anatomical systems that take part in the scientific and clinical study of emotional functions and neuropsychiatric disorders. It discusses the limbic system—the cortical and subcortical structures in the human brain involved in emotion, motivation, and emotional association with memory—at length and how this is no longer a useful guide to the study of psychiatric disorders. The book provides an understanding of brain anatomy, with an emphasis on the new anatomical framework which has emerged during the last quarter century. The goal is to help the reader develop an understanding of the gross anatomical organization of the human forebrain. A re-evaluation of brain anatomy, with an emphasis on the new anatomical framework which has emerged during the last quarter century A compellingly expanded conceptualization of Broca's famous limbic lobe Clinical and basic science boxes highlighting specific concepts, structures, or neuronal circuits from a clinical perspective