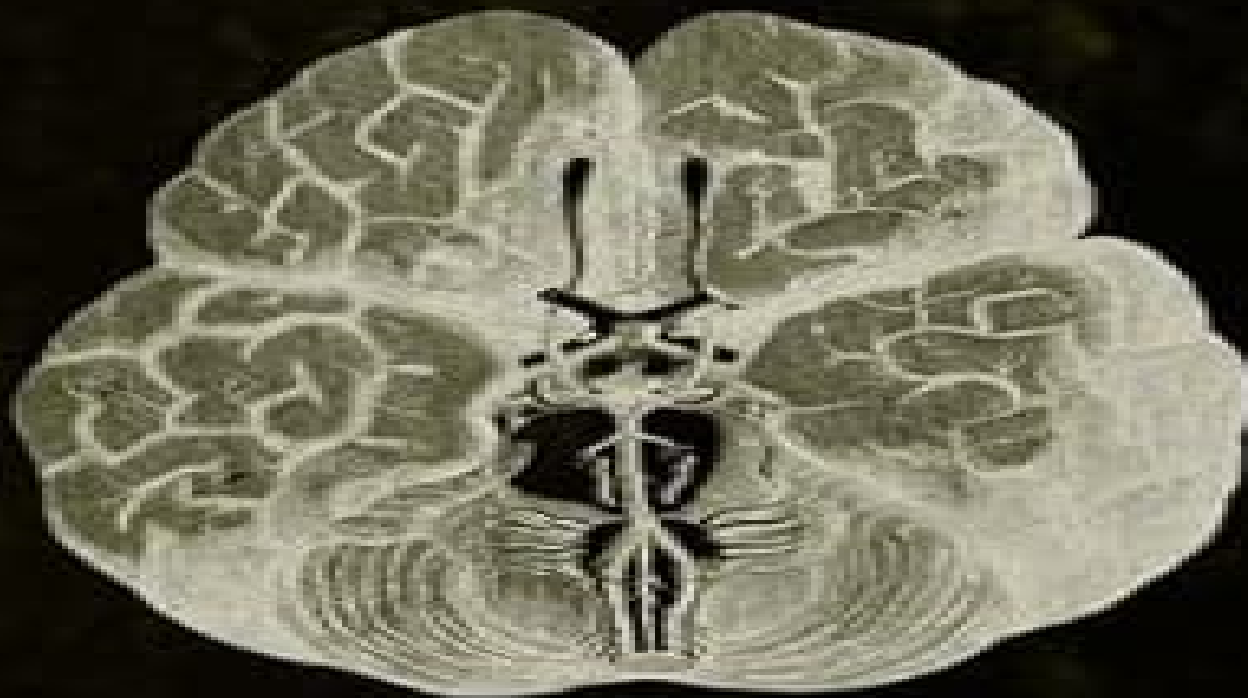


THE BRAIN TAKES SHAPE

An Early History



ROBERT L. MARTENSEN

Brain Takes Shape An Early History

Robert L. Martensen



Brain Takes Shape An Early History:

The Brain Takes Shape Robert L. Martensen, 2004-04-08 Using historical and anthropological perspectives to examine mind body relationships in western thought this book interweaves topics that are usually disconnected to tell a big important story in the histories of medicine science philosophy religion and political rhetoric Beginning with early debates during the Scientific Revolution about representation and reality Martensen demonstrates how investigators such as Vesalius and Harvey sought to transform long standing notions of the body as dominated by spirit like humors into portrayals that emphasized its solid tissues Subsequently Descartes and Willis and their followers amended this new philosophy to argue for the primacy of the cerebral hemispheres and cranial nerves as they downplayed the role of the spirit passion and the heart in human thought and behavior None of this occurred in a social vacuum and the book places these medical and philosophical innovations in the context of the religious and political crises of the Reformation and English Civil War and its aftermath Patrons and their interests are part of the story as are patients and new formulations of gender John Locke s psychology and the emergence in England of a constitutional monarchy figure prominently as do opponents of the new doctrines of brain and nerves and the emergent social order The book s concluding chapter discusses how debates over investigative methods and models of body order that first raged over 300 years ago continue to influence biomedicine and the broader culture today No other book on western mind body relationships has attempted this *The Brain Takes Shape* Robert Lawrence

Martensen, 2023 Tells the story of how long standing notions about the body as dominated by spirit like humors were transformed into scientific descriptions of its solid tissues This book shows how debates over investigative methods and models of body order influence biomedicine and the broader culture **Imagining the Brain: Episodes in the History of**

Brain Research Chiara Ambrosio, William Macle hose, 2018-12-01 Progress in Brain Research series highlights new advances in the field with this new volume presenting interesting chapters Each chapter is written by an international board of authors Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in the Progress of Brain Research series Updated release includes the latest information on the *Imagining the Brain* Episodes in the Visual History of Brain Research **A History of the Brain** Andrew P. Wickens, 2014-12-08 A History of the

Brain tells the full story of neuroscience from antiquity to the present day It describes how we have come to understand the biological nature of the brain beginning in prehistoric times and progressing to the twentieth century with the development of Modern Neuroscience This is the first time a history of the brain has been written in a narrative way emphasizing how our understanding of the brain and nervous system has developed over time with the development of the disciplines of anatomy pharmacology physiology psychology and neurosurgery The book covers beliefs about the brain in ancient Egypt Greece and Rome the Medieval period Renaissance and Enlightenment the nineteenth century the most important advances in the twentieth century and future directions in neuroscience The discoveries leading to the development of modern neuroscience

gave rise to one of the most exciting and fascinating stories in the whole of science Written for readers with no prior knowledge of the brain or history the book will delight students and will also be of great interest to researchers and lecturers with an interest in understanding how we have arrived at our present knowledge of the brain

Carnal Reading Joseph Pappa, 2011-05-16 The question of an erotic readership has always vexed scholars With little evidence of anyone's actually reading erotic material scholars have had to make do with variations of an ideal reader approach Insofar as it presupposes authorial intention and a stable meaning this theoretical model proves unsatisfactory Using an interdisciplinary approach **Carnal Reading** Early Modern Language and Bodies proposes a new theory of erotic reading that refigures bodily responses as constitutive of cognitive understanding In its content and style erotic writing was perceived to interact physically with the reader's body or more specifically the sensitive soul via the imagination Lively descriptions infused desires that could permanently affect not only the entire animal economy or constitution but also a person's reasoning faculties All good writing was meant to move the passions but there was no way to determine whether the warmth derived from reading was erotic or otherwise Chapter 1 Thoughts Swelled with Carnosity Imagination Enthusiasm and Love briefly rehearses Adrian John's account of how religious reading can inspire enthusiasm in readers This understanding of how religious reading inflames the imagination applies equally well to amorous discourses The Passions Music Infusion and Teen Age Reading Habits chapter 2 examines early modern conduct books and discourses about music to illustrate the notion of the early modern body as permeable and as such impressionable to all forms of stimulating media The chapter offers a close reading of Manley's *New Atlantis* to demonstrate how reading habits could transform a young person's constitution Chapter 3 The Physiological Aesthetics of Erotic Response Intention Style Association focuses on contemporary literary critiques that privilege lively depictions and the consequences that style has on authorial intention The final chapter Sexy Rhetoric Nice Figures or Books that Do It the old Grammar rule

Violence and the Genesis of the Anatomical Image Rose Marie San Juan, 2022-11-28 Nothing excited early modern anatomists more than touching a beating heart In his 1543 treatise Andreas Vesalius boasts that he was able to feel life itself through the membranes of a heart belonging to a man who had just been executed a comment that appears near the woodcut of a person being dissected while still hanging from the gallows In this highly original book Rose Marie San Juan confronts the question of violence in the making of the early modern anatomical image Engaging the ways in which power operated in early modern anatomical images in Europe and to a lesser extent its colonies San Juan examines literal violence upon bodies in a range of civic religious pedagogical and exploratory contexts She then works through the question of how bodies were thought to be constituted systemic or piecemeal singular or collective and how gender determines this question of constitution In confronting the issue of violence in the making of the anatomical image San Juan explores not only how violence transformed the body into a powerful and troubling double but also how this kind of body permeated attempts to produce knowledge about the world at large Provocative and challenging this book will

be of significant interest to scholars across fields in early modern studies including art history and visual culture science and medicine

Oxford's Sedleian Professors of Natural Philosophy Christopher Hollings, Mark McCartney, 2024-02-08 This edited volume traces the varied history of Oxford's Sedleian Professorship of Natural Philosophy through the first four centuries of its existence combining contributions from historians of medicine science mathematics and universities with personal reminiscences of some of the more recent holders of the post

The Body as Object and Instrument of Knowledge Charles T. Wolfe, Ofer Gal, 2010-04-07 It was in 1660s England according to the received view in the Royal Society of London that science acquired the form of empirical enquiry we recognize as our own an open collaborative experimental practice mediated by specially designed instruments supported by civil discourse stressing accuracy and replicability Guided by the philosophy of Francis Bacon by Protestant ideas of this worldly benevolence by gentlemanly codes of decorum and by a dominant interest in mechanics and the mechanical structure of the universe the members of the Royal Society created a novel experimental practice that superseded former modes of empirical inquiry from Aristotelian observations to alchemical experimentation This volume focuses on the development of empiricism as an interest in the body as both the object of research and the subject of experience Re embodying empiricism shifts the focus of interest to the life sciences medicine physiology natural history In fact many of the active members of the Royal Society were physicians and a significant number of those disciples of William Harvey and through him inheritors of the empirical anatomy practices developed in Padua during the 16th century Indeed the primary research interests of the early Royal Society were concentrated on the body human and animal and its functions much more than on mechanics Similarly the Académie des Sciences directly contradicted its self imposed mandate to investigate Nature in mechanistic fashion devoting a significant portion of its Mmoires to questions concerning life reproduction and monsters consulting empirical botanists apothecaries and chemists and keeping closer to experience than to the Cartesian standards of well founded knowledge These highlighted empirical studies of the body were central in a workshop in the beginning of 2009 organized by the unit for History and Philosophy of Science in Sydney The papers that were presented by some of the leading figures in this area are presented in this volume

Health and Wellness in the Renaissance and Enlightenment Joseph P. Byrne, 2013-07-16 Examining a 300 year period that encompasses the Scientific Revolution this engrossing book offers a fresh and clearly organized discussion of the human experience of health medicine and health care from the Age of Discovery to the era of the French Revolution Health and Wellness in the Renaissance and Enlightenment compares and contrasts health care practices of various cultures from around the world during the vital period from 1500 to 1800 These years which include the Age of Discovery and the Scientific Revolution were a period of rapid advance of both science and medicine New drugs were developed and new practices some of which stemmed from increasingly frequent contact between various cultures were initiated Examining the medical systems of Europe Asia Africa and the colonial world this comprehensive study covers a wide array of topics including education and

training of medical professionals and the interaction of faith religion and medicine The book looks specifically at issues related to women s health and the health of infants and children at infectious diseases and occupational and environmental hazards and at brain and mental disorders Chapters also focus on advances in surgery dentistry and orthopedics and on the apothecary and his pharmacopoeia *Subjects of Substance* Julian Henneberg, 2020-07-02 Recent U S literature has both been informed by and critically engaged with materialist conceptions of selfhood Over the past decades disciplines like neuroscience and evolutionary biology have increasingly recast the human self as a malleable construct produced by physiological processes In a parallel development literary authors have created their own conceptions of somatic subjectivity in conjunction or contrast with scientific and medical discourses *Subjects of Substance* examines the forms functions and effects of materialist models of mind in selected memoirs and novels Authors discussed include Michael W Clune Don DeLillo Kay Redfield Jamison Siri Hustvedt Richard Powers Elyn R Saks and David Foster Wallace

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