
The Origins Of Musicality Mit Press

Noise, Water, Meat
What is Musical Creativity? Interdisciplinary Dialogues and Approaches
The Artful Species
The Psychology of Music in Multimedia
Musical Communication
The SAGE International Encyclopedia of Music and Culture
Foundations in Music Psychology
Music in Evolution and Evolution in Music
Music Cognition: The Basics
The Evolution of Music
Encyclopedia of Animal Behavior
Musical Communication
The Origins of Musicality
Die Anfänge Der Musik
The Life of Music
Music, Health, and Wellbeing
Composition and Cognition
The Cambridge History of Fifteenth-Century Music
Music, Language, and Human Evolution
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Learning and Teaching in the Music Studio
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This Is Your Brain on Music
The Evolving Animal Orchestra
The Singing Neanderthals
Musical Imaginations
Musical Creativity
Language, Music, and the Brain
Handbook of Imagination and Culture
Musical Cognition
The Grid Book
The Prehistory of Music
Music, Evolution, and the Harmony of Souls
Voice Leading
The Psychology of Music: A Very Short Introduction
The Evolving Animal Orchestra
The Cognitive Neuroscience of Music

Quantum Computer Music
The Illiterate Listener

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ERNESTO KAYLYN

Noise, Water, Meat Oxford University Press

This title includes the following features: The first book to describe the neural bases of music; Edited and written by the leading researchers in this field; An important addition to OUP's acclaimed list in music psychology

What is Musical Creativity? Interdisciplinary Dialogues and Approaches Oxford University Press

"Bringing together leading researchers from a variety of academic and applied backgrounds, this book examines how music can be used to communicate, as well as the biological, cognitive, social, and cultural processes which underlie such communication."--
BOOK JACKET.

The Artful Species Cambridge University Press

Nicholas Kenyon explores the enduring appeal of the classical canon at a moment when we can access all music—across time and cultures Immersed in music for much of his life as writer, broadcaster and concert presenter, former director of the BBC Proms, Nicholas Kenyon has long championed an astonishingly wide range of composers and performers. Now, as we think about culture in fresh ways, Kenyon revisits the stories that make up the classical tradition and foregrounds those which are too often overlooked. This inclusive, knowledgeable, and enthusiastic guide highlights the achievements of the women and men, amateurs and professionals, who bring music to life. Taking us from pianist Myra Hess's performance in London during the Blitz, to John Adams's composition of a piece for mourners after New York's 9/11 attacks, to Italian opera singers singing from their balconies amidst the 2020 pandemic, Kenyon shows that no matter how great the crisis, music has the power to bring us together. His personal, celebratory account transforms our understanding of how classical music is made—and shows us why it is more relevant than ever.

The Psychology of Music in Multimedia MIT Press

This collection initiates a resolutely interdisciplinary research dynamic specifically concerning musical creativity. Creativity is

one of the most challenging issues currently facing scientific psychology and its study has been relatively rare in the cognitive sciences, especially in artificial intelligence. This book will address the need for a coherent and thorough exploration. *Musical Creativity: Multidisciplinary Research in Theory and Practice* comprises seven sections, each viewing musical creativity from a different scientific vantage point, from the philosophy of computer modelling, through music education, interpretation, neuroscience, and music therapy, to experimental psychology. Each section contains discussions by eminent international specialists of the issues raised, and the book concludes with a postlude discussing how we can understand creativity in the work of eminent composer, Jonathan Harvey. This unique volume presents an up-to-date snapshot of the scientific study of musical creativity, in conjunction with ESCOM (the European Society for the Cognitive Sciences of Music). Describing many of the different aspects of musical creativity and their study, it will form a useful springboard for further such study in future years, and will be of interest to academics and practitioners in music, psychology, cognitive science, artificial intelligence, neuroscience and other fields concerning the study of human cognition in this most human of behaviours.

Musical Communication Frontiers Media SA

Music is central to human cultural and intellectual experience. It is vitally important for the welfare of human society and - this book argues - should become more widely accepted in our community as a mainstream educational and therapeutic tool. This book explores the importance of music throughout human evolution, and its continued relevance to modern-day human society. Throughout, the emphasis is on the origin of music and how (and where) it is processed in our brains, exploring in detail the genetic and cultural evolution of modern, loquacious humans, how we may have evolved with unique neural and cognitive architecture, and why two complementary but distinct communication systems - language and music - remain a human universal. In addition the book explores, in some depth, the different theories that have been put forward to explain why musical communication was (and remains) advantageous to our species, with a particular emphasis

on the role of music and dance in enhancing altruistic and prosocial behaviours. The author suggests that music, and the social harmonization it brings, was of vital importance in early humans as we became more and more individualized by the emergence of modern language and the modern mind, and the realization that we are mortal. *Music, Evolution, and the Harmony of Souls* demonstrates the evolutionary sociobiological importance of music as a driver of cooperative and interactive behaviour throughout human existence, and what this evolutionary imperative means to twenty-first century humanity and beyond, from social and medical/neurological perspectives [The SAGE International Encyclopedia of Music and Culture](#) Yale University Press

The book can be viewed as representing the birth of evolutionary biomusicology. What biological and cognitive forces have shaped humankind's musical behavior and the rich global repertoire of musical structures? What is music for, and why does every human culture have it? What are the universal features of music and musical behavior across cultures? In this groundbreaking book, musicologists, biologists, anthropologists, archaeologists, psychologists, neuroscientists, ethologists, and linguists come together for the first time to examine these and related issues. The book can be viewed as representing the birth of evolutionary biomusicology—the study of which will contribute greatly to our understanding of the evolutionary precursors of human music, the evolution of the hominid vocal tract, localization of brain function, the structure of acoustic-communication signals, symbolic gesture, emotional manipulation through sound, self-expression, creativity, the human affinity for the spiritual, and the human attachment to music itself. Contributors Simha Arom, Derek Bickerton, Steven Brown, Ellen Dissanayake, Dean Falk, David W. Frayer, Walter Freeman, Thomas Geissmann, Marc D. Hauser, Michel Imberty, Harry Jerison, Drago Kunej, François-Bernard Mâche, Peter Marler, Björn Merker, Geoffrey Miller, Jean Molino, Bruno Nettl, Chris Nicolay, Katharine Payne, Bruce Richman, Peter J.B. Slater, Peter Todd, Sandra Trehub, Ivan Turk, Maria Ujhelyi, Nils L. Wallin, Carol Whaling

Foundations in Music Psychology MIT Press

Interdisciplinary perspectives on the capacity to perceive, appreciate, and make music. Research shows that all humans have a predisposition for music, just as they do for language. All of us can perceive and enjoy music, even if we can't carry a tune and consider ourselves "unmusical." This volume offers interdisciplinary perspectives on the capacity to perceive, appreciate, and make music. Scholars from biology, musicology, neurology, genetics, computer science, anthropology, psychology, and other fields consider what music is for and why every human culture has it; whether musicality is a uniquely human capacity; and what biological and cognitive mechanisms underlie it. Contributors outline a research program in musicality, and discuss issues in studying the evolution of music; consider principles, constraints, and theories of origins; review musicality from cross-cultural, cross-species, and cross-domain perspectives; discuss the computational modeling of animal song and creativity; and offer a historical context for the study of musicality. The volume aims to identify the basic neurocognitive mechanisms that constitute musicality (and effective ways to study these in human and nonhuman animals) and to develop a method for analyzing musical phenotypes that point to the biological basis of musicality. Contributors Jorge L. Armony, Judith Becker, Simon E. Fisher, W. Tecumseh Fitch, Bruno Gingras, Jessica Grahn, Yuko Hattori, Marisa Hoeschele, Henkjan Honing, David Huron, Dieuwke Hupkes, Yukiko Kikuchi, Julia Kursell, Marie-Élaine Lagrois, Hugo Merchant, Björn Merker, Iain Morley, Aniruddh D. Patel, Isabelle Peretz, Martin Rohrmeier, Constance Scharff, Carel ten Cate, Laurel J. Trainor, Sandra E. Trehub, Peter Tyack, Dominique Vuvan, Geraint Wiggins, Willem Zuidema

Music in Evolution and Evolution in Music MIT Press

Why do people attach importance to the wordless language we call music? *Music Cognition: The Basics* considers the role of our cognitive functions, such as perception, memory, attention, and expectation in perceiving, making, and appreciating music. In this volume, Henkjan Honing explores the active role these functions play in how music makes us feel; exhilarated, soothed, or inspired. Grounded in the latest research in areas of psychology, biology, and cognitive neuroscience, and with clear examples throughout, this book concentrates on underappreciated musical skills such as sense of rhythm, beat induction, and relative pitch, that make people intrinsically musical creatures—supporting the

conviction that all humans have a unique, instinctive attraction to music. The scope of the topics discussed ranges from the ability of newborns to perceive a beat, to the unexpected musical expertise of ordinary listeners. It is a must read for anyone studying the psychology of music, auditory perception, or simply interested in why we enjoy music the way we do.

Music Cognition: The Basics Routledge

Through forty-five creative and concise essays by an international team of authors, this *Cambridge History* brings the fifteenth century to life for both specialists and general readers. Combining the best qualities of survey texts and scholarly literature, the book offers authoritative overviews of central composers, genres, and musical institutions as well as new and provocative reassessments of the work concept, the boundaries between improvisation and composition, the practice of listening, humanism, musical borrowing, and other topics. Multidisciplinary studies of music and architecture, feasting, poetry, politics, liturgy, and religious devotion rub shoulders with studies of compositional techniques, musical notation, music manuscripts, and reception history. Generously illustrated with figures and examples, this volume paints a vibrant picture of musical life in a period characterized by extraordinary innovation and artistic achievement.

The Evolution of Music MIT Press

In recent decades, the relationship between music, emotions, health and well-being has become a hot topic. Scientific research and new neuro-imaging technologies have provided extraordinary new insights into how music affects our brains and bodies, and researchers in fields ranging from psychology and music therapy to history and sociology have turned their attention to the question of how music relates to mind, body, feelings and health, generating a wealth of insights as well as new challenges. Yet this work is often divided by discipline and methodology, resulting in parallel, yet separate discourses. In this context, *The Routledge Companion to Music, Mind and Well-being* seeks to foster truly interdisciplinary approaches to key questions about the nature of musical experience and to demonstrate the importance of the conceptual and ideological frameworks underlying research in this field. Incorporating perspectives from musicology, history, psychology, neuroscience, music education, philosophy, sociology, linguistics and music therapy, this volume opens the

way for a generative dialogue across both scientific and humanistic scholarship. The *Companion* is divided into two sections. The chapters in the first, historical section consider the varied ways in which music, the emotions, well-being and their interactions have been understood in the past, from Antiquity to the twentieth century, shedding light on the intellectual origins of debates that continue today. The chapters in the second, contemporary section offer a variety of current scientific perspectives on these topics and engage wider philosophical problems. The *Companion* ends with chapters that explore the practical application of music in healthcare, education and welfare, drawing on work on music as a social and ecological phenomenon. Contextualising contemporary scientific research on music within the history of ideas, this volume provides a unique overview of what it means to study music in relation to the mind and well-being.

Encyclopedia of Animal Behavior MIT Press

The *Artful Species* explores the idea that our aesthetic responses and art behaviors are connected to our evolved human nature. Our humanoid forerunners displayed aesthetic sensibilities hundreds of thousands of years ago and the art standing of prehistoric cave paintings is virtually uncontested. In Part One, Stephen Davies analyses the key concepts of the aesthetic, art, and evolution, and explores how they might be related. He considers a range of issues, including whether animals have aesthetic tastes and whether art is not only universal but cross-culturally comprehensible. Part Two examines the many aesthetic interests humans take in animals and how these reflect our biological interests, and the idea that our environmental and landscape preferences are rooted in the experiences of our distant ancestors. In considering the controversial subject of human beauty, evolutionary psychologists have traditionally focused on female physical attractiveness in the context of mate selection, but Davies presents a broader view which decouples human beauty from mate choice and explains why it goes more with social performance and self-presentation. Part Three asks if the arts, together or singly, are biological adaptations, incidental byproducts of nonart adaptations, or so removed from biology that they rate as purely cultural technologies. Davies does not conclusively support any one of the many positions considered here, but argues that there are grounds, nevertheless, for seeing

art as part of human nature. Art serves as a powerful and complex signal of human fitness, and so cannot be incidental to biology. Indeed, aesthetic responses and art behaviors are the touchstones of our humanity.

Musical Communication Oxford University Press

An accessible scientific explanation for the traditional rules of voice leading, including an account of why listeners find some musical textures more pleasing than others. Voice leading is the musical art of combining sounds over time. In this book, David Huron offers an accessible account of the cognitive and perceptual foundations for this practice. Drawing on decades of scientific research, including his own award-winning work, Huron offers explanations for many practices and phenomena, including the perceptual dominance of the highest voice, chordal-tone doubling, direct octaves, embellishing tones, and the musical feeling of sounds "leading" somewhere. Huron shows how traditional rules of voice leading align almost perfectly with modern scientific accounts of auditory perception. He also reviews pertinent research establishing the role of learning and enculturation in auditory and musical perception. Voice leading has long been taught with reference to Baroque chorale-style part-writing, yet there exist many more musical styles and practices. The traditional emphasis on Baroque part-writing understandably leaves many musicians wondering why they are taught such an archaic and narrow practice in an age of stylistic diversity. Huron explains how and why Baroque voice leading continues to warrant its central pedagogical status. Expanding beyond choral-style writing, Huron shows how established perceptual principles can be used to compose, analyze, and critically understand any kind of acoustical texture from tune-and-accompaniment songs and symphonic orchestration to jazz combo arranging and abstract electroacoustic music. Finally, he offers a psychological explanation for why certain kinds of musical textures are more likely to be experienced by listeners as pleasing.

The Origins of Musicality Oxford University Press

In *Composition and Cognition*, renowned composer and theorist Fred Lerdahl builds on his careerlong work of developing a comprehensive model of music cognition. Bringing together his dual expertise in composition and music theory, he reveals the way in which his research has served as a foundation for his

compositional style and how his intuitions as a composer have guided his cognitively oriented theories. At times personal and reflective, this book offers an overall picture of the musical mind that has implications for central issues in contemporary composition, including the recurrent gap between method and result, and the tension between cognitive constraints and utopian aesthetic views of musical progress. Lerdahl's succinct volume provides invaluable insights for students and instructors, composers and music scholars, and anyone engaged with contemporary music.

Die Anfänge Der Musik Oxford University Press

Music has a universal and timeless potential to influence how we feel, yet, only recently, have researchers begun to explore and understand the positive effects that music can have on our wellbeing. This book brings together research from a number of disciplines to explore the relationship between music, health and wellbeing.

The Life of Music Routledge

Music has been examined from multiple perspectives: as a product of human history, for example, or a product of human culture. But there is also a long tradition, intensified in recent decades, of thinking about music as a product of the human mind. Whether considering composition, performance, listening, or appreciation, the constraints and capabilities of the human mind play a formative role. The field that has emerged around this approach is known as the psychology of music. Written in a lively and accessible manner, this volume connects the science to larger questions about music that are of interest to practicing musicians, music therapists, musicologists, and the general public alike. For example: Why can one musical performance move an audience to tears, and another compel them to dance, clap, or snap along? How does a "hype" playlist motivate someone at the gym? And why is that top-40 song stuck in everyone's head?

ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Music, Health, and Wellbeing Univ of California Press

In the age of digital music it seems striking that so many of us still

want to produce music concretely with our bodies, through the movement of our limbs, lungs and fingers, in contact with those materials and objects which are capable of producing sounds. The huge sales figures of musical instruments in the global market, and the amount of time and effort people of all ages invest in mastering the tools of music, make it clear that playing musical instruments is an important phenomenon in human life. By combining the findings made in music psychology and performative ethnomusicology, Marko Aho shows how playing a musical instrument, and the pleasure musicians get from it, emerges from an intimate dialogue between the personally felt body and the sounding instrument. An introduction to the general aspects of the tactile resources of musical instruments, musical style and the musician is followed by an analysis of the learning process of the regional kantele style of the Perho river valley in Finnish Central Ostrobothnia.

Composition and Cognition Springer Nature

A state-of-the-art overview of the latest theory and research in music psychology, written by leaders in the field. This authoritative, landmark volume offers a comprehensive state-of-the-art overview of the latest theory and research in music perception and cognition. Eminent scholars from a range of disciplines, employing a variety of methodologies, describe important findings from core areas of the field, including music cognition, the neuroscience of music, musical performance, and music therapy. The book can be used as a textbook for courses in music cognition, auditory perception, science of music, psychology of music, philosophy of music, and music therapy, and as a reference for researchers, teachers, and musicians. The book's sections cover music perception; music cognition; music, neurobiology, and evolution; musical training, ability, and performance; and musical experience in everyday life. Chapters treat such topics as pitch, rhythm, and timbre; musical expectancy, musicality, musical disorders, and absolute pitch; brain processes involved in music perception, cross-species studies of music cognition, and music across cultures; improvisation, the assessment of musical ability, and singing; and music and emotions, musical preferences, and music therapy. Contributors Fleur Bouwer, Peter Cariani, Laura K. Cirelli, Annabel J. Cohen, Lola L. Cuddy, Shannon de L'Etoile, Jessica A. Grahm, David M. Greenberg, Bruno Gingras, Henkjan Honing, Lorna S.

Jakobson, Ji Chul Kim, Stefan Koelsch, Edward W. Large, Miriam Lense, Daniel Levitin, Charles J. Limb, Psyche Loui, Stephen McAdams, Lucy M. McGarry, Malinda J. McPherson, Andrew J. Oxenham, Caroline Palmer, Aniruddh Patel, Eve-Marie Quintin, Peter Jason Rentfrow, Edward Roth, Frank A. Russo, Rebecca Scheurich, Kai Siedenburg, Avital Sternin, Yanan Sun, William F. Thompson, Renee Timmers, Mark Jude Tramo, Sandra E. Trehub, Michael W. Weiss, Marcel Zentner

[The Cambridge History of Fifteenth-Century Music](#) Open Book Publishers

For most of the history of film-making, music has played an integral role serving many functions - such as conveying emotion, heightening tension, and influencing interpretation and inferences about events and characters. More recently, with the enormous growth of the gaming industry and the Internet, a new role for music has emerged. However, all of these applications of music depend on complex mental processes which are being identified through research on human participants in multimedia contexts. The Psychology of Music in Multimedia is the first book dedicated to this fascinating topic. The Psychology of Music in Multimedia presents a wide range of scientific research on the psychological processes involved in the integration of sound and image when engaging with film, television, video, interactive games, and computer interfaces. Collectively, the rich chapters in this edited volume represent a comprehensive treatment of the existing research on the multimedia experience, with the aim of

disseminating the current knowledge base and inspiring future scholarship. The focus on empirical research and the strong psychological framework make this book an exceptional and distinctive contribution to the field. The international collection of contributors represents eight countries and a broad range of disciplines including psychology, musicology, neuroscience, media studies, film, and communications. Each chapter includes a comprehensive review of the topic and, where appropriate, identifies models that can be empirically tested. Part One presents contrasting theoretical approaches from cognitive psychology, philosophy, semiotics, communication, musicology, and neuroscience. Part Two reviews research on the structural aspects of music and multimedia, while Part Three focuses on research examining the influence of music on perceived meaning in the multimedia experience. Part Four explores empirical findings in a variety of real-world applications of music in multimedia including entertainment and educational media for children, video and computer games, television and online advertising, and auditory displays of information. Finally, the closing chapter in Part Five identifies emerging themes and points to the value of broadening the scope of research to encompass multisensory, multidisciplinary, and cross-cultural perspectives to advance our understanding of the role of music in multimedia. This is a valuable book for those in the fields of music psychology and musicology, as well as film and media studies.

Music, Language, and Human Evolution Springer Nature
In this groundbreaking union of art and science, rocker-turned-neuroscientist Daniel J. Levitin explores the connection between music—its performance, its composition, how we listen to it, why we enjoy it—and the human brain. Taking on prominent thinkers who argue that music is nothing more than an evolutionary accident, Levitin poses that music is fundamental to our species, perhaps even more so than language. Drawing on the latest research and on musical examples ranging from Mozart to Duke Ellington to Van Halen, he reveals: • How composers produce some of the most pleasurable effects of listening to music by exploiting the way our brains make sense of the world • Why we are so emotionally attached to the music we listened to as teenagers, whether it was Fleetwood Mac, U2, or Dr. Dre • That practice, rather than talent, is the driving force behind musical expertise • How those insidious little jingles (called earworms) get stuck in our head A Los Angeles Times Book Award finalist, *This Is Your Brain on Music* will attract readers of Oliver Sacks and David Byrne, as it is an unprecedented, eye-opening investigation into an obsession at the heart of human nature.

The Tangible in Music Oxford University Press

"Bringing together leading researchers from a variety of academic and applied backgrounds, this book examines how music can be used to communicate, as well as the biological, cognitive, social, and cultural processes which underlie such communication."--
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