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Art & Physics Parallel Visions in Space, Time, and Light William Morrow Paperbacks *Art interprets the visible world. Physics charts its unseen workings. The two realms seem completely opposed. But consider that both strive to reveal truths for which there are no words--with physicists using the language of mathematics and artists using visual images. In Art & Physics, Leonard Shlain tracks their breakthroughs side by side throughout history to reveal an astonishing correlation of visions. From the classical Greek sculptors to Andy Warhol and Jasper Johns, and from Aristotle to Einstein, artists have foreshadowed the discoveries of scientists, such as when Monet and Cezanne intuited the coming upheaval in physics that Einstein would initiate. In this lively and colorful narrative, Leonard Shlain explores how artistic breakthroughs could have prefigured the visionary insights of physicists on so many occasions throughout history. Provocative and original, Art & Physics is a seamless integration of the romance of art and the drama of science--and an exhilarating history of ideas.*

Sex, Time, and Power How Women's Sexuality Shaped Human Evolution Penguin As in the bestselling *The Alphabet Versus the Goddess*, Leonard Shlain's provocative new book promises to change the way readers view themselves and where they came from. *Sex, Time, and Power* offers a tantalizing answer to an age-old question: Why did big-brained *Homo sapiens* suddenly emerge some 150,000 years ago? The key, according to Shlain, is female sexuality. Drawing on an awesome breadth of research, he shows how, long ago, the narrowness of the newly bipedal human female's pelvis and the increasing size of infants' heads precipitated a crisis for the species. Natural selection allowed for the adaptation of the human female to this environmental stress by reconfiguring her hormonal cycles, entraining them with the periodicity of the moon. The results, however, did much more than ensure our existence; they imbued women with the

concept of time, and gave them control over sex—a power that males sought to reclaim. And the possibility of achieving immortality through heirs drove men to construct patriarchal cultures that went on to dominate so much of human history. From the nature of courtship to the evolution of language, Shlain's brilliant and wide-ranging exploration stimulates new thinking about very old matters. **Leonardo's Brain** Jaico Publishing House Understanding Da Vinci's Creative Genius The life and art of history's most influential mind Bestselling author Leonard Shlain explores the potential for humankind through the life, art, and mind of the first true Renaissance Man, Leonardo da Vinci. His innovations as an artist, scientist, and inventor are recast through a modern lens, with Shlain applying contemporary neuroscience to illuminate da Vinci's creative process. No other person in human history has excelled in so many areas of innovation: Shlain reveals the how and the why. Shlain theorizes that Leonardo's extraordinary mind came from a uniquely developed and integrated right and left brain, which offers a model for how we too can evolve. Using past and current research, Leonardo's Brain presents da Vinci as the focal point for a fresh exploration of human creativity. With his lucid style and remarkable ability to discern connections among a wide range of fields, Shlain brings the reader into the world of history's greatest mind. Leonard Shlain is a bestselling author, inventor, and surgeon. Admired among artists, scientists, philosophers, anthropologists, and educators, he authored three bestselling books. He delivered stunning visual presentations based upon his books in venues around the world, including Harvard, the New York Museum of Modern Art, CERN, Los Alamos, the Florence Academy of Art, and the European Council of Ministers. Shlain died in May 2009 at the age of 71 from brain cancer shortly after the completion of this book. Visit LeonardShlain.com and LeonardosBrain.com. **The Alphabet Versus the Goddess The Conflict Between Word and Image** Penguin This groundbreaking book proposes that the rise of alphabetic literacy reconfigured the human brain and brought about profound changes in history, religion, and gender relations. Making remarkable connections across brain function, myth, and anthropology, Dr. Shlain shows why pre-literate cultures were principally informed by holistic, right-brain modes that venerated the Goddess, images, and feminine values. Writing drove cultures toward linear left-brain thinking and this shift upset the balance between men and women, initiating the decline of the feminine and ushering in patriarchal rule. Examining the cultures of the Israelites, Greeks, Christians, and Muslims, Shlain reinterprets ancient myths and parables in light of his theory. Provocative and inspiring, this book is a paradigm-shattering work that will transform your view of history and the mind. **The Future of Post-human Space-time Conceiving a Better Way to Understand Space and Time** Peter Lang Contrary to the conventional wisdom held by many in much of human history, in this book Peter Baofu here proposes what he calls «the perspectival theory of space-time.» According to this theory, there are multiple perspectives of space and time in society, culture, the mind, and nature, all of which are subject to «the regression-progression principle» in «existential dialectics.» These perspectives exist in society, culture, the mind, and nature with good reasons, being subject to «the symmetry-asymmetry principle» in «existential dialectics» and with some being more successful and hegemonic (dominant) than others. Furthermore and more importantly in the long haul, space and time as humans have

known them will end and will eventually be altered by post-humans in different forms, be they here in this universe or in multiverses, subject to «the change-constancy principle» in «existential dialectics.»

Music Education for Changing Times Guiding Visions for Practice Springer Science & Business Media Based on topics that frame the debate about the future of professional music education, this book explores the issues that music teachers must confront in a rapidly shifting educational landscape. The book aims to challenge thought and change minds. It presents a star cast of internationally prominent thinkers in and beyond music education. These thinkers deliberately challenge many time-worn traditions in music education with regard to musicianship, culture and society, leadership, institutions, interdisciplinarity, research and theory, and curriculum. This is the first book to confront these issues in this way. This unique book has emerged from fifteen years of international dialog by The MayDay Group, an organization of more than 250 music educators from over 20 countries who meet yearly to confront issues in music teaching and learning.

Renaissance Theories of Vision Routledge How are processes of vision, perception, and sensation conceived in the Renaissance? How are those conceptions made manifest in the arts? The essays in this volume address these and similar questions to establish important theoretical and philosophical bases for artistic production in the Renaissance and beyond. The essays also attend to the views of historically significant writers from the ancient classical period to the eighteenth century, including Plato, Aristotle, Plotinus, St Augustine, Ibn Sina (Avicenna), Ibn al-Haytham (Alhazen), Ibn Sahl, Marsilio Ficino, Nicholas of Cusa, Leon Battista Alberti, Gian Paolo Lomazzo, Gregorio Comanini, John Davies, Rene Descartes, Samuel van Hoogstraten, and George Berkeley. Contributors carefully scrutinize and illustrate the effect of changing and evolving ideas of intellectual and physical vision on artistic practice in Florence, Rome, Venice, England, Austria, and the Netherlands. The artists whose work and practices are discussed include Fra Angelico, Donatello, Leonardo da Vinci, Filippino Lippi, Giovanni Bellini, Raphael, Parmigianino, Titian, Bronzino, Johannes Gump and Rembrandt van Rijn. Taken together, the essays provide the reader with a fresh perspective on the intellectual confluence between art, science, philosophy, and literature across Renaissance Europe.

Sex, Time, and Power How Women's Sexuality Shaped Human Evolution Penguin As in the bestselling *The Alphabet Versus the Goddess*, Leonard Shlain's provocative new book promises to change the way readers view themselves and where they came from. *Sex, Time, and Power* offers a tantalizing answer to an age-old question: Why did big-brained *Homo sapiens* suddenly emerge some 150,000 years ago? The key, according to Shlain, is female sexuality. Drawing on an awesome breadth of research, he shows how, long ago, the narrowness of the newly bipedal human female's pelvis and the increasing size of infants' heads precipitated a crisis for the species. Natural selection allowed for the adaptation of the human female to this environmental stress by reconfiguring her hormonal cycles, entraining them with the periodicity of the moon. The results, however, did much more than ensure our existence; they imbued women with the concept of time, and gave them control over sex—a power that males sought to reclaim. And the possibility of achieving immortality through heirs drove men to construct patriarchal cultures that went on to dominate so much of human history. From the nature of courtship to the

evolution of language, Shlain's brilliant and wide-ranging exploration stimulates new thinking about very old matters. **Catching the Light The Entwined History of Light and Mind** Oxford University Press, USA Examination of the fundamental nature of light in mankind's history, world, and life. **Color, Environment, and Human Response An Interdisciplinary Understanding of Color and Its Use as a Beneficial Element in the Design of the Architectural Environment** John Wiley & Sons Written for architects, interior designers, and color consultants, this ambitious study explores the psychological and physiological effects of color in the man-made environment. Scientific findings and industry-by-industry examples are furnished to help professionals specify colors that will create healthful environments in hospitals, schools, restaurants, and other public facilities. **Modernist Aesthetics in Taiwanese Poetry Since The 1950s** BRILL Drawing on the phenomenon of placelessness, this book offers an alternative approach to reexamine Chinese modernist literature on the whole and Taiwanese modernist poetry in particular. **Psychic Journeys A Basic Guide to Dreaming Lucidly** iUniverse Our world is full of wonder and the ability to see that which could be described as magical or supernatural has been buried deep inside most of us. Developing the ability to concentrate, focus and eliminate internal dialogue is essential for the individual who chooses to experience the world from a multi-dimensional perspective. There are experiences that are life changing and interacting with spirit guides, elementals and allies can be powerful. Learning methods to assist you in discovering your spirit guides, enhancing your senses and using lucid dreaming can be instrumental in moving forward along ones' spiritual path if pursued consistently. Join Madonna as she shares exercises that assist in the process interacting with the spiritual as well as her personal experiences. The road to enlightenment is long; however the rewards associated with this journey are indeed worth our efforts. **The Planetary Clock Antipodean Time and Spherical Postmodern Fictions** Oxford University Press, USA Ranging over various aesthetic forms (literature, film, music) in the period since 1960, this volume brings an antipodean perspective into conversation with the art and culture of the Northern Hemisphere, to reformulate postmodernism as a properly global phenomenon. **Dreaming True How to Dream Your Future and Change Your Life for the Better** Simon and Schuster A valuable dream guide shows readers how to use nightly messages from the unconscious to inform and instruct their waking consciousness. Original. **The Art of Dreaming Tools for Creative Dream Work** Conari Press Encourages readers to integrate dreaming and creativity by playing with their dreams across a range of media, including painting, ceramics, dancing, mask making, and poetry. **Avatar Emergency** Parlor Press LLC A new experience of identity is emerging within the digital apparatus under the rubric of "avatar." This study develops "concept avatar" as an opportunity to invent a practice of citizenship native to the Internet that simulates the functionality of measure dramatized in the traditions of "descent" ("avatar") or "incarnation," including the original usage in the Bhagavad Gita, and the Western evolution of the virtue of prudence from the Ancient daimon, through genius and character, to the contemporary sinthome. **The Secret History of Dreaming** New World Library The author of *Conscious Dreaming* and *The Three "Only" Things* poses arguments for understanding one's dreams in order to resolve past events and prepare for the

future, explaining the practices of ancient dreaming cultures and the dream experiences of famous historical figures. **Designing Digital Space An Architect's Guide to Virtual Reality** John Wiley & Sons *The Complete Guide to Virtual Reality in Architecture and Design* The first in-depth book on virtual reality (VR) aimed specifically at architecture and design professionals, *Designing Digital Space* steers you skillfully through the learning curve of this exciting new technology. Beginning with a historical overview of the evolution of architectural representations, this unique resource explains what VR is, how it is being applied today, and how it promises to revolutionize not only the design process, but the form and function of the built environment itself. Vividly illustrating how VR fits alongside traditional methods of architectural representation, this comprehensive guide prepares you to make optimum practical use of this powerful interactive tool, and embrace the new role of the architect in a virtually designed world. Offers in-depth coverage of the virtual universe--data representation and information management, static and dynamic worlds, tracking and visual display systems, control devices, and more. Examines a wide range of current VR architectural applications, from walkthroughs, simulations, and evaluations to reconstructions and networked environments Includes insightful essays by leading VR developers covering some of today's most innovative projects Integrates VR into the historical framework of architectural development, with detailed sections on the past, present, and future Features a dazzling array of virtual world images and sequential displays Explores the potential impact of digital architecture on the built environment of the future **Design Strategies for Reimagining the City The Disruptive Image** Taylor & Francis *Design Strategies for Reimagining the City* is situated between projective geometry, optical science and architectural design. It draws together seemingly unrelated fields in a series of new digital design tools and techniques underpinned by tested prototypes. The book reveals how the relationship between architectural design and the ubiquitous urban camera can be used to question established structures of control and ownership inherent within the visual model of the Western canon. Using key moments from the broad trajectory of historical and contemporary representational mechanisms and techniques, it describes the image's impact on city form from the inception of linear perspective geometry to the digital turn. The discussion draws upon combined fields of digital geometry, the pictorial adaptation of human optical cues of colour brightness and shape, and modern image-capture technology (webcams, mobile phones and UAVs) to demonstrate how the permeation of contemporary urban space by digital networks calls for new architectural design tools and techniques. A series of speculative drawings and architectural interventions that apply the new design tools and techniques complete the book. Aimed at researchers, academics and upper-level students in digital design and theory, it makes a timely contribution to the ongoing and broadly debated relationship between representation and architecture. **Beyond Civilization to Post-civilization Conceiving a Better Model of Life Settlement to Supersede Civilization** Peter Lang *Original Scholarly Monograph* **The Three "Only" Things Tapping the Power of Dreams, Coincidence, and Imagination** New World Library Have you ever said something was only a dream, only a coincidence, or only your imagination? In this book you'll discover that these "only" things can be keys to

finding and living your bigger story. You'll learn to tap into the nine powers of dreaming, the nine rules of coincidence, and the seven uses of imagination. You'll be inspired by stories of how innovators and world changers have used these gifts, and you'll learn wonderful games to help you access your intuition, heal yourself, and bring juice to your everyday life. When we claim the power of the Three Only Things, we reclaim tools that are profoundly simple yet have the power to remake our lives and the world. **Parallel Presents The Art of Pierre Huyghe** MIT Press Over the past two decades, French artist Pierre Huyghe has produced an extraordinary body of work in constant dialogue with temporality. Investigating the possibility of a hypothetical mode of timekeeping--"parallel presents"-- Huyghe has researched the architecture of the incomplete, directed a puppet opera, founded a temporary school, established a pirate television station, staged celebrations, scripted scenarios, and journeyed to Antarctica in search of a mythological penguin. In this first book-length art historical examination of Huyghe and his work, Amelia Barikin traces the artist's continual negotiation with the time codes of contemporary society. Offering detailed analyses of Huyghe's works and drawing on extensive interviews with Huyghe and his associates, Barikin finds in Huyghe's projects an alternate way of thinking about history--a "topological historicity" that deprograms (or reprograms) temporal formats. Huyghe once said, "It is through the montage, the way we combine and relate images, that we can create a representation of an event that is perhaps more precise than the event itself." Barikin offers pioneering analyses of Huyghe's lesser-known early works as well as sustained readings of later, critically acclaimed projects, including *No Ghost Just a Shell* (2000), *L'Expédition scintillante* (2002), and *A Journey That Wasn't* (2005). She emphasizes Huyghe's concepts of "freed time" and "the open present," in which anything might happen. Bringing together an eclectic array of subjects and characters--from moon walking to situationist practices, from Snow White to Gilles Deleuze--*Parallel Presents* offers a highly original account of the driving forces behind Huyghe's work. **Everybody is a Body: Second Edition** Dog Ear Publishing Movement connects us all. We are all moving, all of the time. The moving body is the foundation of human activity. In a world where technological advancement allows for instant global connections, we are becoming increasingly disembodied. This gives rise to "dis-ease" in our physical, emotional and intellectual selves. This book promotes increased awareness of the power and potential of human movement. It takes into account personal uniqueness, as well as the universal aspects of what it means to be human. This book is for every body. In order to experience life to its fullest, it is important to keep in touch with our moving selves. It is not a "how-to" book. We are not advocating a specific movement technique or practice. It is about re-discovering that you are a mover and that movement is not just an activity. Our movement is the expression of ourselves in the world. This second edition includes expanded chapters and appendices further explicating the Laban/Bartenieff Movement System (LBMS) for the benefit of students in movement analysis training programs. The text's additions also serve as a testimony to the ongoing development of this system. **Light and Color in the Outdoors** Springer Science & Business Media All of science springs from the observation of nature. In this classic book, the late Professor Minnaert accompanies the reader on a tour of nature's light and color and reveals the myriad phenomena

that may be observed outdoors with no more than a pair of eyes and an enquiring mind. From the intriguing shape of the dapples beneath a tree on a sunny day, via rainbows, mirages, and haloes, the colors of liquid, ice, and the sky, to the appearance of the sun, moon, planets, and stars - Minnaert describes and explains them all in a clear language accessible to laymen. This new English edition is supplemented by 80 plates, over half of them in color, taken by the acclaimed photographer Pekka Parviainen, illustrating many of the phenomena - ordinary and exotic - discussed in the book.

Concepts A Prototheist Quest for Science-minded Skeptics of Catholic, and Other Christian, Jewish & Muslim Backgrounds Paul Dehn Carleton "Concepts" is a search for theism's roots - coined prototheism - a science of religion. Its notion is: Belief in God is a misconception of the Life Urge emerging from deep in human nature. "Concepts" traces Life's trajectory - from Earth's origin, to consciousness, to today's runaway material culture.

Blake 2.0 William Blake in Twentieth-Century Art, Music and Culture Springer Blake said of his works, 'Tho' I call them Mine I know they are not Mine'. So who owns Blake? Blake has always been more than words on a page. This volume takes Blake 2.0 as an interactive concept, examining digital dissemination of his works and reinvention by artists, writers, musicians, and filmmakers across a variety of twentieth-century media.

Three Golden Ages Discovering the Creative Secrets of Renaissance Florence, Elizabethan England, and America's Founding Madison Books In this intriguing book, best-selling author Alf Mapp, Jr. explores three periods in Western history that exploded with creativity: Elizabethan England, Renaissance Florence, and America's founding. What enabled these societies to make staggering jumps in scientific knowledge, develop new political structures, or create timeless works of art?

Anatomy of Spirituality: Portrait of the Soul FriesenPress The domain of spirituality, separated from its theological overburden, believes in the existence of a spiritual self, presumed to be distinctly separate from the psychological self. The spiritual eternal self, also known as the soul or spirit (sometimes supported by an overarching Spirit), is asserted to be operating behind the ephemeral self. This book takes a contrarian stance; it argues that the premise of the soul concept is obtained through the magic of language, maintained through the marvel of the brain's biochemistry, and sustained through the mirage of the psychological juggernauts of the brain. The magic, the marvel and the mirage, together, bring about subtle shifts as the linguistic brain suppresses many psychological details, habitually applies mental templates such as inversions and dichotomies, and enhances its language by coining religious and spiritual metaphors. The consequence of these changes is that the usual flickering self begins to be impressed by itself, believing it is buttressed by something transcendental and eternal within: the soul or the spirit. The self, although indoctrinated during its formative years, also begins to assimilate and accept the opinion that the overwhelming weight of religious doctrines and dogmas, the overburden, signifies as the legitimate proof for the eternal soul.

Transacting Sites of the Liminal Bodily Spaces Cambridge Scholars Publishing This book focuses on liminal bodies and their delicate transaction with themselves and other people's bodies. More specifically, it explores the spatiality and discourses of the body dying; the body opened in surgery, or through MRIs, CATs, and sometimes in autopsies; the body preserved through

computerized images such as those created by the Visual Human Project; the metonymic body that continues to live in another body through organ replacement; and the bodily parts cast in silver, and then abandoned in a museum. This study also analyzes the discourses of the contemporary body commissioned by the vast industry of mass-media. This type of body has started to direct itself toward frugal, almost furtive pleasures; consequently—unlike those seriously affected by illnesses—a body constantly guarded by fear eventually runs on empty, becomes a *corps-déjà-vu*, and thus moves toward different types of minimal and liminal topology. The primary works examined include memoirs (Marjorie Williams's "Hit by Lightning: A Cancer Memoir," Arthur W. Frank's *At the Will of the Body: Reflections on Illness*, Audre Lorde's *The Cancer Journals*), films (Alejandro Amenábar's *The Sea Inside*, Akira Kurosawa's *Ikiru*, Pedro Almodóvar's *All about My Mother*), stories (Marisa Silver's "Night Train to Frankfurt"), visual artworks (as accomplished by Jo Spence, David Wojnarowicz, Félix Gonzales-Torres, and Natalie Horne) and plays (Bryony Lavery's *Last Easter*, Paula Vogel's *Baltimore Waltz*, William Hoffman's *As Is*), which are read comparatively, namely as works positioned at the intersection between literature/visual art and social diaries. This book has become part of the collections of the world's leading universities: Harvard, Princeton, Columbia, the Library of Congress, and more.

Entangling Forms Within Semiotic Processes

Walter de Gruyter The volume draws from Charles S. Peirce's pragmatic philosophy, as well as from diverse areas in contemporary arts and sciences, and certain facets of Buddhist philosophy – especially regarding notions of interconnectedness, self-organization, and co-participation of the knowing subject with her inner world, her socio-cultural world, and her physical environment. Contradictory, complementary, and coalescence are also fundamental watchwords, in addition to entanglement. 'Contradictory', since conflicts, clashes and inconsistencies there will always be, in spite attempts to resolve them. 'Complementarity', since poles of opposition can at least provisionally be resolved by mediation and moderation, however vaguely and ambiguously, such that consonance might emerge from dissonance, balance from imbalance, and accord from discord. And 'coalescence', since the union of disparities is an ongoing, and always incomplete, process; it is never fixed product. These concepts, along with the key word, entanglement, place Peirce in a new light, giving rise to new questions and possible responses from readers who are searching for alternate means of understanding in our increasingly complex, rapidly globalizing world.

The Future of Post-Human Accounting Towards a New Theory of Addition and Subtraction in Information Management

IAP Is the invention of accounting so useful that, as Charlie Munger once said, "you have to know accounting. It's the language of practical business life. It was a very useful thing to deliver to civilization. I've heard it came to civilization through Venice which of course was once the great commercial power in the Mediterranean"? (WOO 2013) This positive view on accounting can be contrasted with an opposing view by Paul Browne that "the recent [accounting] scandals have brought a new level of attention to the accounting profession as gatekeepers and custodians of social interest." (DUM 2013) Contrary to these opposing views (and other ones as will be discussed in the book), accounting (in relation to addition and subtraction) are neither possible (or impossible) nor desirable (or undesirable) to the extent that the respective

ideologues (on different sides) would like us to believe. Of course, this reexamination of different opposing views on accounting does not mean that the study of addition and subtraction is useless, or that those fields (related to accounting)—like bookkeeping, auditing, forensics, info management, finance, philosophy of accounting, accounting ethics, lean accounting, mental accounting, environmental audit, creative accounting, carbon accounting, social accounting, and so on—are unimportant. (WK 2013) In fact, neither of these extreme views is plausible. Rather, this book offers an alternative (better) way to understand the future of accounting in regard to the dialectic relationship between addition and subtraction—while learning from different approaches in the literature but without favoring any one of them (nor integrating them, since they are not necessarily compatible with each other). More specifically, this book offers a new theory (that is, the double-sided theory of accounting) to go beyond the existing approaches in a novel way and is organized in four chapters. This seminal project will fundamentally change the way that we think about accounting in relation to addition and subtraction from the combined perspectives of the mind, nature, society, and culture, with enormous implications for the human future and what I originally called its “post-human” fate. **Wit's End Making Sense of the Great Movies** Cambridge Scholars Publishing This book is a study of the “Great Movies,” that fluid category of feature films deemed by various authorities—film societies, critics, academics, and movie enthusiasts—to be the enduring and memorable works of cinematic history. But what are they about? In *Wit's End*, the author attempts to “make sense” of these films in order to understand their greatness in the context of their relation to other films and to the worlds they come from and recreate on screen. To that end, we employ the conceptual power of pragmatic social theory and the rich idea of aesthetics to explore and arrange these films as a means of understanding what they express about the universality of human life in our keen use of wit, organization of social wont, and direction of cultural way. It is hoped that such an inquiry will illuminate the glory of the great films and contribute to the advance of film studies. **Wisdom of the Plant Devas Herbal Medicine for a New Earth** Simon and Schuster Consulting plant spirits for spiritual and psychological guidance and healing • Reveals how, by communing with the deva or spirit of a plant, we can call forth its medicine without even needing to ingest it • Includes wisdom from the devas of 13 herbs, such as rosemary, datura, and uva ursi • Empowers readers with the tools to develop their own inner resources for healing in relationship with the plant devas around them Each plant has a story to share with us, a healing story to guide us in trying times, a spirit medicine for the New Earth that is presently unfolding. Herbs are some of the most powerful allies we have for these transitional times--we just need to learn how to listen as they share their knowledge with us. In *Wisdom of the Plant Devas*, Thea Summer Deer reveals a new dimension of herbal medicine, one where the plant's spirit is consulted for guidance and healing beyond the physical. Examining the botany, modern and traditional uses, history, and folklore of 13 special herbs, such as rosemary, uva ursi, and datura, she shares divinations and messages from their devas, or plant spirits, explaining how these stories carry the herbs into our lives, letting them work their magic on us. Exploring herbal medicine from an energetic perspective, she reveals that by communing with the deva of a plant, we can call on the plant's physical,

psychological, and spiritual medicine and guidance--without ingesting it or even being in its presence. Detailing the sacred space of a Medicine Wheel Garden, whether in a backyard or our imaginations, she connects us with the devas and empowers us to seek our own answers with their much-needed spiritual guidance and divinatory advice. Creating a bridge between botanical medicine and plant spirit medicine, she shows how by coming into community with the devas and co-creating with the world of nature, we can gain tremendous insights to help heal our hearts, our minds, and our spirits and consciously evolve as together we birth the New Earth. **Science on Stage From Doctor Faustus to Copenhagen** Princeton University Press *Science on Stage* is the first full-length study of the phenomenon of "science plays"--theatrical events that weave scientific content into the plot lines of the drama. The book investigates the tradition of science on the stage from the Renaissance to the present, focusing in particular on the current wave of science playwriting. Drawing on extensive interviews with playwrights and directors, Kirsten Shepherd-Barr discusses such works as Michael Frayn's *Copenhagen* and Tom Stoppard's *Arcadia*. She asks questions such as, What accounts for the surge of interest in putting science on the stage? What areas of science seem most popular with playwrights, and why? How has the tradition evolved throughout the centuries? What currents are defining it now? And what are some of the debates and controversies surrounding the use of science on stage? Organized by scientific themes, the book examines selected contemporary plays that represent a merging of theatrical form and scientific content--plays in which the science is literally enacted through the structure and performance of the play. Beginning with a discussion of Christopher Marlowe's *Doctor Faustus*, the book traces the history of how scientific ideas (quantum mechanics and fractals, for example) are dealt with in theatrical presentations. It discusses the relationship of science to society, the role of science in our lives, the complicated ethical considerations of science, and the accuracy of the portrayal of science in the dramatic context. The final chapter looks at some of the most recent and exciting developments in science playwriting that are taking the genre in innovative directions and challenging the audience's expectations of a science play. The book includes a comprehensive annotated list of four centuries of science plays, which will be useful for teachers, students, and general readers alike. **The Elusive Synthesis: Aesthetics and Science** Springer Science & Business Media The tension between art and science may be traced back to the Greeks. What became "natural philosophy" and later "science" has traditionally been posed as a fundamental alternative to poetry and art. It is a theme that has commanded central attention in Western thought, as it captures the ancient conflict of Apollo and Dionysus over what deserves to order our thought and serve as the aspiration of our cultural efforts. The modern schism between art and science was again clearly articulated in the Romantic period and seemingly grew to a crescendo fifty years ago as a result of the debate concerning atomic power. The discussion has not abated in the physical sciences, and in fact has dramatically expanded most prominently into the domains of ecology and medicine. Issues concerning the role of science in modern society, although heavily political, must be regarded at heart as deeply embedded in our cultural values. Although each generation addresses them anew, the philosophical problems which lay at the

foundation of these fundamental concerns always appear fresh and difficult. This anthology of original essays considers how science might have a greater commonality with art than was perhaps realized in a more positivist era. The contributors are concerned with how the aesthetic participates in science, both as a factor in constructing theory and influencing practice. The collection is thus no less than a spectrum of how Beauty and Science might be regarded through the same prism.

Untold Power The Marriage of Art and Technology Common Ground Research Networks Most of us know that the widespread use of robotics, particularly artificial intelligence robots, will most likely have an adverse effect on the workplace and that the new jobs that emerge will require new thinking skills that the current educational system does not provide. It is also becoming clear that communities seeking to attract and nurture those most qualified for the new jobs must also renew themselves if they are to be successful. Most important, the emerging workforce must be able to engage both right and left hemispheres of the brain in order to solve complex problems, in increasingly creative ways. This central imperative, has resulted in the increasing demand for both artistic and creative skills along with technological and science-based skills. This treatise makes those arguments for reinvention and while it is not yet known precisely what makes people creative, many ideas about fostering creative people and institutions are discussed. The Covid-19 pandemic has greatly accelerated our use of technology and our responses to changes we must make in education, the workplace and the workforce that have been lying dormant for too long. At the heart of the changes we must make is the vital realization that art and technology are the new benchmarks of the global economy, an economy where creativity and innovation are shaping a new world order. We are entering a new era and we must act now to prepare for a very different future.

The World of Quantum Culture Greenwood Publishing Group This edited collection is the first to explore the implications of "Quantum Aesthetics" for social life. Contributors, who represent various disciplines, apply this philosophy to their respective fields of study.

The Future of Post-Human Waste Towards a New Theory of Uselessness and Usefulness Cambridge Scholars Publishing Is waste (or trash) really so useless that, as William Faulkner once wrote, "[r]ead everything—trash, classics, good and bad, and see how they do it. . . . If it is good, you'll find out. If it's not, throw it out the window"? (TE 2012) Interestingly, this critical view of waste (or trash) can be contrasted with an opposing observation by Isaac Bashevis Singer, who once famously said that "the waste basket is the writer's best friend." (TE 2012a) Contrary to these opposing views (and other ones as will be discussed in the book), waste, in relation to both uselessness and usefulness is neither possible or impossible, nor desirable or undesirable to the extent that the respective ideologues on different sides would like us to believe. Of course, this challenge to the opposing views of waste does not imply that waste has no practical value, or that those interdisciplinary fields (related to waste) like epidemiology, global warming, waste management, low-carbon economics, ethical consumerism, resource recovery, freeganism, environmental justice, space debris, and so on are unimportant. Of course, neither of these extreme views is reasonable. Rather, this book offers an alternative, better way to understand the future of waste, especially in the dialectic context of uselessness and usefulness—while learning from different

approaches in the literature but without favoring any one of them or integrating them, since they are not necessarily compatible with each other. More specifically, this book offers a new theory (that is, the transfigurative theory of waste) to go beyond the existing approaches in a novel way. If successful, this seminal project is to fundamentally change the way that we think about waste in relation to uselessness and usefulness from the combined perspectives of the mind, nature, society, and culture, with enormous implications for the human future and what the author originally called its "post-human" fate. **Channeling Communicating with Angels and Spirit Guides** *iUniverse* Connecting to the spirit world as a means to clarify one's purpose in the world and experience a more enriched life is at our fingertips. Communing with the other side by passing through the veil that separates the physical and spiritual realm is possible and Madonna Merced shows us how. If you believe in the possibility of divine intervention and the impact it can have in our lives, then you will benefit from the practices and meditations in Madonna's guide to communicating with the other side. **Reading Relationally Postmodern Perspectives on Literature and Art** *University of Michigan Press* How reading literature through the lens of visual art sheds new light on the accomplishments of modernist and postmodernist writers