

The Innermost Kernel Depth Psychology And Quantum Physics Wolfgang Paulis Dialogue With C G Jung

How relevant is Jung's work today? How and Why We Still Read Jung offers a fresh look at how Jung's work can still be read and applied to the modern day. Written by seasoned Jungian analysts and Jung scholars, the essays in this collection offer in depth and often personal readings of various works by Jung, including: Ambiguating Jung Jung and Alchemy: A Diamonic Reading Chinese Modernity and the Way of Return Jung: Respect for the Non-Literal Including contributions from around the world, this book will be of interest to Jungian analysts and academic Jung scholars globally. With a unique and fresh analysis of Jung's work by eminent authors in the field, this book will also be a valuable starting point for a first-time reader of Jung.

Synchronicity is when the universe gets personal. Through this book of games and enchanting stories, you'll learn how to monitor the play of coincidence and the symbolic resonance of incidents in daily life in order to tap into the deeper logic of events, receive extraordinary counsel, and have wonderful fun. You will be invited to become a kairomancer: someone who is poised to catch the messages in special moments when synchronicity is in play — and to take action to seize the opportunities those moments present. To be a kairomancer, you need to trust your feelings as you walk the roads of this world, to develop your personal science of shivers, and to recognize in your gut and

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your skin that you know far more than you hold on the surface of consciousness. This is a way of real magic, which is the art of bringing gifts from a deeper world into this one. Follow it, and you will put a champagne fizz of enchantment into your everyday life. Jung's legendary American lectures on dream interpretation In 1936 and 1937, C. G. Jung delivered two legendary seminars on dream interpretation, the first on Bailey Island, Maine, the second in New York City. *Dream Symbols of the Individuation Process* makes these lectures widely available for the first time, offering a compelling look at Jung as he presents his ideas candidly and in English before a rapt American audience. The dreams presented here are those of Nobel Prize-winning physicist Wolfgang Pauli, who turned to Jung for therapeutic help because of troubling personal events, emotional turmoil, and depression. Linking Pauli's dreams to the healing wisdom found in many ages and cultures, Jung shows how the mandala—a universal archetype of wholeness—spontaneously emerges in the psyche of a modern man, and how this imagery reflects the healing process. He touches on a broad range of themes, including psychological types, mental illness, the individuation process, the principles of psychotherapeutic treatment, and the importance of the anima, shadow, and persona in masculine psychology. He also reflects on modern physics, the nature of reality, and the political currents of his time. Jung draws on examples from the Mithraic mysteries, Buddhism, Hinduism, Chinese philosophy, Kundalini yoga, and ancient Egyptian concepts of body and soul. He also discusses the symbolism of the Catholic Mass, the

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Trinity, and Gnostic ideas in the noncanonical Gospels. With an incisive introduction and annotations, *Dream Symbols of the Individuation Process* provides a rare window into Jung's interpretation of dreams and the development of his psychology of religion. In his memoir, *Memories Dreams Reflections*, Carl Jung tells us that, as a child, he had the experience of possessing two personalities. 'Two Souls Alas' is the first book to suggest that Jung's experience of the difficult dynamic between these two personalities not only informs basic principles behind the development of Jung's psychological model but underscores the theory and practice of Analytical Psychology as a whole. Mark Saban suggested that what Jung took from his experience of inner division was the principle that psychological health depends upon the avoidance of one-sidedness – a precept that underpins Jung's seminal notion of individuation. In practice, this process requires again and again that any one-sided position, approach or belief is brought into tension with a conflicting 'opposite' position, in order that a third position can be achieved which transcends both of the earlier positions. In the second part of the book, Saban takes up this principle and uses it to perform an internal critique on Analytical Psychology as enshrined in Jung's *Collected Works*. He suggests that in certain arenas Jung's personal one-sidedness – specifically his persistent tendency to prioritise the inner dimension of psychological work, and to downplay or ignore the outer dimension - undermined Jung's capacity to fully follow through the 'logic' of the two personalities. Saban argues that, as a result, Analytical Psychology has failed to

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find a stance from which it can creatively engage with political, social and historical matters. This book opens up a new direction for post-Jungian psychology, and indicates some ways in which, by following the logic of the two personalities, the one-sidedness that has long shadowed Jungian psychology can begin to be corrected.

"The Innermost Kernel" recounts the physicist and Nobel Laureate Wolfgang Pauli and his interest in Jungian psychology, philosophy and western world-view. It is also an exploration of the intellectual setting and context of Pauli's thinking, which has its starting point in the cultural and intellectual climate of fin-de-siècle Europe. As a contribution to the general history of quantum physics this study has a special focus on the psychological and philosophical issues discussed by physicists belonging to the Copenhagen school. The work is mainly based on the correspondence of the principle characters and explores some of the central issues discussed there, as for instance the subject-object relation, complementarity, the relation of conscious and unconscious, the process underlying concept-formation, the psychology of scientific discovery, the symbolic world of alchemy, the theories of archetypes and of synchronicity. Ultimately this book is about a remarkable scientist searching for a new understanding of the interrelatedness of man and world.

Challenges the conventional view of a "disenchanted" and secular modernity, and recovers the complex relation that exists between science, religion, and esotericism in the modern world. Max Weber famously characterized the ongoing process of

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intellectualization and rationalization that separates the natural world from the divine (by excluding magic and value from the realm of science, and reason and fact from the realm of religion) as the “disenchantment of the world.” Egil Asprem argues for a conceptual shift in how we view this key narrative of modernity. Instead of a sociohistorical process of disenchantment that produces increasingly rational minds, Asprem maintains that the continued presence of “magic” and “enchantment” in people’s everyday experience of the world created an intellectual problem for those few who were socialized to believe that nature should contain no such incalculable mysteries. Drawing on a wide range of early twentieth-century primary sources from theoretical physics, occultism, embryology, radioactivity, psychical research, and other fields, Asprem casts the intellectual life of high modernity as a synchronic struggle across conspicuously different fields that shared surprisingly similar intellectual problems about value, meaning, and the limits of knowledge. “The Problem of Disenchantment is, in its entirety, extraordinarily well researched, argued, and written—representing at once the most complete and nuanced treatment of the notion of disenchantment within this network of scientific, religious, philosophical, and esoteric discourses and currents.” — Nova Religio

Jung’s Psychoid Concept Contextualised investigates the body-mind question from a clinical Jungian standpoint and establishes a contextual topography for Jung’s psychoid concept, insofar as it relates to a deeply unconscious realm that is neither

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solely physiological nor psychological. Seen as a somewhat mysterious and little understood element of Jung's work, this concept nonetheless holds a fundamental position in his overall understanding of the mind, since he saw the psychoid unconscious as the foundation of archetypal experience. Situating the concept within Jung's oeuvre and drawing on interviews with clinicians about their clinical work, this book interrogates the concept of the psychoid in a novel way. Providing an elucidation of Jung's ideas by tracing the historical development of the psychoid concept, Addison sets its evolution in a variety of contexts within the history of ideas, in order to offer differing perspectives from which to frame an understanding. Addison continues this trajectory through to the present day by reviewing subsequent studies undertaken by the post-Jungian community. This contextual background affords an understanding of the psychoid concept from a variety of different perspectives, both cultural and clinical. The book provides an important addition to Jungian theory, demonstrating the usefulness of Jung's psychoid concept in the present day and offering a range of understandings about its clinical and cultural applications. This book will be of great interest to the international Jungian community, including academics, researchers and postgraduate students engaged in the study of Jungian or analytical psychology. It should also be essential reading for clinicians.

The Jungian approach to analysis and psychotherapy has been undergoing an extensive reconsideration during the past decade. Analytical Psychology calls special

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attention to the areas that have been most impacted: the core concepts and practices of the Jungian tradition, along with relevant intellectual and historical background. Internationally renowned authors drawing on the forefront of advance in neuroscience, evolution, psychoanalysis, and philosophical and historical studies, provide an overview of the most important aspects of these developments. Beginning with a chronicle of the history of the Jungian movement, areas covered include: * a background to the notion of 'archetype' * human development from a Jungian perspective * the creative extension of Jung's theory of psychological types * re-evaluation of traditional Jungian methods of treatment in the light of contemporary scientific findings * Jungian development of transference and countertransference * a new formulation of synchronicity. Analytical Psychology presents a unique opportunity to witness a school of psychotherapy going through a renaissance. Drawing on original insights from its founder, C.G. Jung, this book helps focus and shape the current state of analytical psychology and point to areas for future exploration.

The publication of W. Pauli's Scientific Correspondence by Springer-Verlag has motivated a vast research activity on Pauli's role in modern science. This excellent treatise sheds light on the ongoing dialogue between physics and psychology.

The enigmatic relation between religion and science still presents a challenge to European societies and to ideas about what it means to be 'modern.' This book

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argues that European secularism, rather than pushing back religious truth claims, in fact has been religiously productive itself. The institutional establishment of new disciplines in the nineteenth century, such as religious studies, anthropology, psychology, classical studies, and the study of various religious traditions, led to a professionalization of knowledge about religion that in turn attributed new meanings to religion. This attribution of meaning resulted in the emergence of new religious identities and practices. In a dynamic that is closely linked to this discursive change, the natural sciences adopted religious and metaphysical claims and integrated them in their framework of meaning, resulting in a special form of scientific religiosity that has gained much influence in the twentieth century. Applying methods that come from historical discourse analysis, the book demonstrates that religious semantics have been reconfigured in the secular sciences. Ultimately, the scientification of religion perpetuated religious truth claims under conditions of secularism.

An exploration of the connections between feminine consciousness and altered states from ancient times to present day • Explores the feminine qualities of the psychedelic self, ancient female roots of shamanism, and how altered states naturally tap into the female archetype • Discusses feminist psychedelic activism, female ecstasies, goddess consciousness, the dark feminine, and embodied

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paths to ecstasy • Includes contributions by Martina Hoffmann, Amanda Sage, Carl Ruck, and others Women have been shamans since time immemorial, not only because women have innate intuitive gifts, but also because the female body is wired to more easily experience altered states, such as during the process of birth. Whether female or male, the altered states produced by psychedelics and ecstatic trance expand our minds to tap into and enhance our feminine states of consciousness as well as reconnect us to the web of life. In this book, we discover the transformative powers of feminine consciousness and altered states as revealed by contributors both female and male, including revered scholars, visionary artists, anthropologists, modern shamans, witches, psychotherapists, and policy makers. The book begins with a deep look at the archetypal dimensions of the feminine principle and how entheogens give us open access to these ancient archetypes, including goddess consciousness and the dark feminine. The contributors examine the female roots of shamanism, including the role of women in the ancient rites of Dionysus, the Eleusinian Sacrament, and Norse witchcraft. They explore psychedelic and embodied paths to ecstasy, such as trance dance, holotropic breathwork, and the similarities of giving birth and taking mind-altering drugs. Looking at the healing potential of the feminine and altered states, they discuss the power of plant medicines, including

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ayahuasca, and the recasting of the medicine-woman archetype for the modern world. They explore the feminine in the creative process and discuss feminist psychedelic activism, sounding the call for more female voices in the psychedelic research community. Sharing the power of “femtheogenic” wisdom to help us move beyond a patriarchal society, this book reveals how feminine consciousness, when intermingled with psychedelic knowledge, carries and imparts the essence of inclusivity, interconnectedness, and balance our world needs to heal and consciously evolve.

Making Religion provides a unique overview of theoretical and practical aspects of the discursive study of religion. Leading scholars in the field discuss the opportunities and challenges of discourse analysis and its application in the study of religion.

The Innermost KernelDepth Psychology and Quantum Physics. Wolfgang Pauli's Dialogue with C.G. JungSpringer Science & Business Media

Swiss-born Carl Gustav Jung (1875–1961) was one of the pioneers of psychology, largely responsible for the introduction of now-familiar psychological terms such as “introvert,” “extrovert,” and “collective unconscious.” But in spite of this, Jung has often remained on the fringes of academic discourse. Seeking to understand Jung in view of not only his life, but also in light of his extensive

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reading and prolific writing, this new biography reclaims Jung as a major European thinker whose true significance has not been fully appreciated. Paul Bishop follows Jung from his early childhood to his years at the University of Basel and his close relationship—and eventual break—with Sigmund Freud. Exploring Jung's ideas, Bishop takes up the psychiatrist's suggestion that "the tragedies of Goethe's Faust and Nietzsche's Thus Spoke Zarathustra . . . mark the first glimmerings of a breakthrough of total experience in our Western hemisphere," engaging with Jung's scholarship to offer one of the fullest appreciations yet of his distinctive approach to culture. Bishop also considers the role that the Red Book, written between 1914 and 1930 but not published until 2009, played in the progression of Jung's thought, allowing Bishop to provide a new assessment of this divisive personality. Jung's attempt to synthesize the different parts of human life, Bishop argues, marks the man as one of the most important theorists of the twentieth century. Providing a compelling examination of the life of this highly influential figure, the concise and accessible Carl Jung will find a place on the shelves of students, scholars, and both clinical and amateur psychologists alike.

Building on the groundbreaking research of Irreducible Mind and Beyond Physicalism, Edward Kelly and Paul Marshall gather a cohort of leading scholars

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to address the most recent advances in the psychology of consciousness. Currently emerging as a middle ground between warring fundamentalisms of religion and science, an expanded science-based understanding of nature finally accommodates empirical realities of spiritual sorts while also rejecting rationally untenable overbeliefs. The vision sketched here provides an antidote to the prevailing postmodern disenchantment of the world and demeaning of human possibilities. It not only more accurately and fully reflects our human condition but engenders hope and encourages ego-surpassing forms of human flourishing. It offers reasons for us to believe that freedom is real, that our human choices matter, and that we have barely scratched the surface of our human potentials. It also addresses the urgent need for a greater sense of worldwide community and interdependence - a sustainable ethos - by demonstrating that under the surface we and the world are much more extensively interconnected than previously recognized.

Holism: Possibilities and Problems brings together leading contributors in a ground-breaking discussion of holism. The terms 'holism' and 'holistic' arouse strong emotional responses in contemporary culture, whether this be negative or positive, and the essays in this interdisciplinary collection probe, each in its own way, the possibilities and problems inherent in thinking holistically. Christian

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McMillan, Roderick Main and David Henderson bring together established academics and emerging scholars across subject areas and disciplinary approaches to reveal the multiplicity and complexity of issues involved in holism. Divided into four parts, the chapters determine key strands of thinking explicitly or implicitly underpinning contemporary holistic thought, including what ethical conclusions might most reasonably be drawn from such thought. Accessible and diverse, this extensive volume contains chapters from the perspective of history, ecology, psychotherapy, poetry, mythology, and an especially strong representation of continental philosophy and Jungian depth psychology. Due to its multi-disciplinary nature, the book represents an unparalleled discussion of the meanings and implications of holism. Written by an innovative and international calibre of contributors, this pioneering collection will be essential reading for practitioners in depth psychology and scholars of Jungian studies, as well as academics and students of philosophy, religious studies, spirituality, history and the history of ideas. The book is a rich resource for the enhancement of critical reflection among all those with an interest in holism.

Jung was intrigued from early in his career with coincidences, especially those surprising juxtapositions that scientific rationality could not adequately explain. He discussed these ideas with Albert Einstein before World War I, but first used the term

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"synchronicity" in a 1930 lecture, in reference to the unusual psychological insights generated from consulting the I Ching. A long correspondence and friendship with the Nobel Prize-winning physicist Wolfgang Pauli stimulated a final, mature statement of Jung's thinking on synchronicity, originally published in 1952 and reproduced here. Together with a wealth of historical and contemporary material, this essay describes an astrological experiment Jung conducted to test his theory. Synchronicity reveals the full extent of Jung's research into a wide range of psychic phenomena. This paperback edition of Jung's classic work includes a new foreword by Sonu Shamdasani, Philemon Professor of Jung History at University College London.

This book brings together the work of Carl Gustav Jung and Hans Urs von Balthasar, two of the most creative thinkers in psychology and theology in the twentieth century, to critically compare their ideas on the perennial question of God's involvement with evil. In later life Jung embarked on a project relating to Christianity, with psychotherapeutic and theological intentions, forming his collection of essays, *Symbolik des Geistes*, in which God and evil was a major theme. Balthasar gave significant attention to Jung's psychology in his own theological trilogy, but opposed the approach to God and evil that Jung presented. In this book Les Oglesby provides a thorough examination of convergences and divergences in Jung and Balthasar's thinking, their different approaches to the origins and reality of evil, as well as their alternative theological orientations. The book culminates with a study of each man's understanding of the

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central event of Christianity, Christ's death on the Cross and his descent to the dead and discusses how Balthasar's 'vertical' and Jung's 'horizontal' approach to this major happening can be held together fruitfully with one another. Illustrating how analytical psychology and Christian theology can mutually enrich one another when they are held in creative tension, this book invites reflection on the meaning of the central symbol of Christianity, and God's involvement with evil as an aid to integrated psychological living and theological maturity. It will prove fascinating for students of psychology and religion as well as for Jungian analysts and practical theologians. The book considers foundational thinking in quantum theory, focusing on the role the fundamental principles and principle thinking there, including thinking that leads to the invention of new principles, which is, the book contends, one of the ultimate achievements of theoretical thinking in physics and beyond. The focus on principles, prominent during the rise and in the immediate aftermath of quantum theory, has been uncommon in more recent discussions and debates concerning it. The book argues, however, that exploring the fundamental principles and principle thinking is exceptionally helpful in addressing the key issues at stake in quantum foundations and the seemingly interminable debates concerning them. Principle thinking led to major breakthroughs throughout the history of quantum theory, beginning with the old quantum theory and quantum mechanics, the first definitive quantum theory, which it remains within its proper (nonrelativistic) scope. It has, the book also argues, been

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equally important in quantum field theory, which has been the frontier of quantum theory for quite a while now, and more recently, in quantum information theory, where principle thinking was given new prominence. The approach allows the book to develop a new understanding of both the history and philosophy of quantum theory, from Planck's quantum to the Higgs boson, and beyond, and of the thinking the key founding figures, such as Einstein, Bohr, Heisenberg, Schrödinger, and Dirac, as well as some among more recent theorists. The book also extensively considers the nature of quantum probability, and contains a new interpretation of quantum mechanics, "the statistical Copenhagen interpretation." Overall, the book's argument is guided by what Heisenberg called "the spirit of Copenhagen," which is defined by three great divorces from the preceding foundational thinking in physics—reality from realism, probability from causality, and locality from relativity—and defined the fundamental principles of quantum theory accordingly.

This book is an introduction to the ideas of the Swiss psychologist and psychoanalyst, C. G. Jung. The first chapter describes his early home life whilst subsequent chapters are devoted to his work in various sectors. This started in psychiatry at Burgholzli Hospital in Zurich, where Eugen Bleuler was the Director, a significant figure in Jung's life for many years. The book goes on to describe at some length the professional relationship between Freud and Jung, and the disastrous impact of their subsequent acrimonious split in 1913 on themselves but, more importantly, on the profession of

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psychoanalysis itself, both at that time and subsequently. Several chapters elaborate Jung's main concepts, including an extensive investigation of his all-important work on psychological alchemy, which includes 10 black and white illustrations from the alchemical text *The Rosarium Philosophorum* and 10 black and white ox-herding pictures of Kuo-an from the twelfth-century Buddhist tradition. The rest of the book depicts some of the significant women and men who contributed to analytical psychology, which is the term Jung chose to designate his psychoanalytic discipline. This is used interchangeably with the term psychoanalysis as many Jungians designate themselves psychoanalysts, including the author, as a New York State licensed psychoanalyst. This is also an account of some of the scientific, philosophical, and psychological influences on Jung's thinking. The book concludes with an entry on China, where the author has spent the last few years analysing, lecturing, supervising, and teaching analytical psychology to Chinese psychotherapists, counsellors, and students in Beijing and Shanghai. This comprehensive work is essential reading for all those with an interest in C. G. Jung and his work.

The Nineteenth Triannual Congress of the International Association for Analytical Psychology (IAAP) was held in Copenhagen, Denmark, from August 18-23, 2013. Copenhagen 2013 – 100 years on: Origins, Innovations and Controversies was the theme, honoring the psychological transformations experienced by C.G. Jung beginning in 1913, while also reflecting upon the evolving world and Jungian Community a century

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later.

O'Brien and O'Brien and their collection of international contributors introduce the historical and current theory and practice of Corporate Analytical Psychology. Uniquely and practically bringing Jungian ideas to the corporate world, the chapters discuss the increasing need for ethical corporations in the context of individuation and moral hazard, demonstrate how to manage and define complexes that inhibit creativity and productivity, and shows practitioners how to recognise and connect with symbols as an active and living manifestation of the personal and collective psyche. The book is illustrated with practical examples and case studies encountered by the authors during their 30 years of experience consulting the world's leading companies and institutions. "The history is fascinating, as are the insights into the personalities of these great thinkers."—New Scientist Is there a number at the root of the universe? A primal number that everything in the world hinges on? This question exercised many great minds of the twentieth century, among them the groundbreaking physicist Wolfgang Pauli and the famous psychoanalyst Carl Jung. Their obsession with the power of certain numbers—including 137, which describes the atom's fine-structure constant and has great Kabbalistic significance—led them to develop an unlikely friendship and to embark on a joint mystical quest reaching deep into medieval alchemy, dream interpretation, and the Chinese Book of Changes. 137 explores the profound intersection of modern science with the occult, but above all it is the tale of an extraordinary, fruitful friendship

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between two of the greatest thinkers of our times. Originally published in hardcover as *Deciphering the Cosmic Number*.

C. G. Jung, a man who accomplished a revolution in analytical psychology and made an impact both directly and indirectly on a great number of people, also took women seriously. The release of *The Red Book* has greatly added to our knowledge of Jung's relationship with the feminine: from his mother, his wife and his extramarital affairs to the effect these had on the formulation of his psychology and on the women who had the courage to explore the need for a spiritual link to Jung and who became known as the Valkyries. In this revised and expanded study of the many women in Jung's close circle, Anthony explores the women who followed Jung during his lifetime, his need for their company, and their contributions to his work. The book includes studies of Emma Jung, Sabina Spielrein and Toni Wolff, as well as Jung's mother Emilie, and many other collaborators and followers. It also includes chapters on *The Red Book*, the Zurich Psychological Club and Dadaism. Including never-before published primary material, including interviews with the women themselves, *Salome's Embrace* assesses their work and its value for the generations of Jungian analysts that have followed, including women who practice depth psychology today. The book will be of great interest to analytical psychologists and Jungian psychotherapists in practice and in training, academics and students of Jungian and post-Jungian studies, gender, and women's history.

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In tracing the history of Darwin's accomplishment and the trajectory of evolutionary theory during the late nineteenth and early twentieth centuries, most scholars agree that Darwin introduced blind mechanism into biology, thus banishing moral values from the understanding of nature. According to the standard interpretation, the principle of survival of the fittest has rendered human behavior, including moral behavior, ultimately selfish. Few doubt that Darwinian theory, especially as construed by the master's German disciple, Ernst Haeckel, inspired Hitler and led to Nazi atrocities. In this collection of essays, Robert J. Richards argues that this orthodox view is wrongheaded. A close historical examination reveals that Darwin, in more traditional fashion, constructed nature with a moral spine and provided it with a goal: man as a moral creature. The book takes up many other topics—including the character of Darwin's chief principles of natural selection and divergence, his dispute with Alfred Russel Wallace over man's big brain, the role of language in human development, his relationship to Herbert Spencer, how much his views had in common with Haeckel's, and the general problem of progress in evolution. Moreover, Richards takes a forceful stand on the timely issue of whether Darwin is to blame for Hitler's atrocities. Was Hitler a Darwinian? is intellectual history at its boldest. AI for Arts is a book for anyone fascinated by the man-machine connection, an

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unstoppable evolution that is intertwining us with technology in an ever-greater degree, and where there is an increasing concern that it will be technology that comes out on top. Thus, presented here through perhaps its most esoteric form, namely art, this unfolding conundrum is brought to its apex. What is left of us humans if artificial intelligence also surpasses us when it comes to art? The articulation of an artificial intelligence art manifesto is long overdue, so hopefully this book can fill a gap that will have repercussions not only for aesthetic and philosophical considerations but possibly more so for the development of artificial intelligence.

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The notion of reality is of supreme significance for our understanding of nature, the world around us, and ourselves. As the history of philosophy shows, it has been under permanent discussion at all times. Traditional discourse about reality covers the full range from basic metaphysical foundations to operational approaches concerning human kinds of gathering and utilizing knowledge, broadly speaking epistemic approaches. However, no period in time has experienced a number of moves changing and, particularly, restraining traditional concepts of reality that is

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comparable to the 20th century. Early in the 20th century, quite an influential move of such a kind was due to the so-called Copenhagen interpretation of quantum mechanics, laid out essentially by Bohr, Heisenberg, and Pauli in the mid 1920s. Bohr's dictum, quoted by Petersen (1963, p.12), was that "it is wrong to think that the task of physics is to find out how nature is. Physics concerns what we can say about nature." Although this standpoint was not left unopposed – Einstein, Schrödinger, and others were convinced that it is the task of science to find out about nature itself – epistemic, operational attitudes have set the fashion for many discussions in the philosophy of physics (and of science in general) until today.

In *Time and the Psyche*, a diverse selection of contributors explores the multi-layered aspects of time through the lens of analytical psychology. The book aims to bridge the gap between theory and practice, emphasising time's fundamental role in the workings and expressions of the psyche, and additionally exploring cultural and clinical dimensions. The contributors deal with temporality in our inner world and its manifestations as expressed by products of our psyche, covering topics including disturbances of temporality within the psychoanalytic session, the acausal connecting principle of synchronicity, time as expressed in film, objects, literature, and culture, and temporality as understood in various

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types of dreams and imaginary practices. The book also explores the time-bound world, time versus timelessness, the realm of the eternal, human versus cosmic time, Chronos versus Kairos and other temporality-related dimensions and their relationship to our psyche and our experience in the world. With contributors from backgrounds in clinical work, the arts, literature, and philosophy, this collection is unique in its scope. *Time and the Psyche* is a thought-provoking reading for academics and students of Jungian and post-Jungian studies, analytical psychologists and Jungian analysts in practice and in training.

Western Esotericism in Scandinavia is a detailed encyclopaedic work covering all major esoteric currents in Denmark, Finland, Norway, and Sweden.

A great many theorists have argued that the defining feature of modernity is that people no longer believe in spirits, myths, or magic. Jason ?. Josephson-Storm argues that as broad cultural history goes, this narrative is wrong, as attempts to suppress magic have failed more often than they have succeeded. Even the human sciences have been more enchanted than is commonly supposed. But that raises the question: How did a magical, spiritualist, mesmerized Europe ever convince itself that it was disenchanting? Josephson-Storm traces the history of the myth of disenchantment in the births of philosophy, anthropology, sociology, folklore, psychoanalysis, and religious studies. Ironically, the myth of mythless

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modernity formed at the very time that Britain, France, and Germany were in the midst of occult and spiritualist revivals. Indeed, Josephson-Storm argues, these disciplines' founding figures were not only aware of, but profoundly enmeshed in, the occult milieu; and it was specifically in response to this burgeoning culture of spirits and magic that they produced notions of a disenchanted world. By providing a novel history of the human sciences and their connection to esotericism, *The Myth of Disenchantment* dispatches with most widely held accounts of modernity and its break from the premodern past.

This collection embraces a range of lively and informed discussions of important themes in contemporary psychoanalytic discourse. The chapters grow out of presentations at "Psychoanalysis, Culture and Society," a conference organised by the Centre for Psychoanalysis, Middlesex University, for post-graduate students and research fellows. The essays demonstrate that the future of psychoanalytic studies is full of promise.

In the letters contained in this book, David Bohm argues that the dominant formal, mathematical approach in physics is seriously flawed. In the 1950s and 60s, Bohm took a direction unheard of for a professor of theoretical physics: while still researching in physics, working among others with Yakir Aharonov and later Jeffrey Bub, he also spent time studying "metaphysics"—such as Hegel's

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dialectics and Indian panpsychism. 50 years on, questions raised about the direction and philosophical assumptions of theoretical physics show that Bohm's arguments still have contemporary relevance.

Although much has been said and written about coincidences, there is a marked absence when it comes to the development of a comprehensive model that incorporates the many different ways in which they can be understood and explained. One reason for this omission is undoubtedly the sharp divide that exists between those who find coincidences meaningful and those who do not, with the result that the conclusions of the many books and articles on the subject have tended to fall into distinct camps. *The Many Faces of Coincidence* attempts to remedy this impasse by proposing an inclusive categorisation for coincidences of all shapes and sizes. At the same time, some of the implications arising from the various explanations are explored, including the possibility of an underlying unity of mind and matter constituting the ground of being.

This edited volume is the first specialized book in English about the Swiss zoologist and anthropologist Adolf Portmann (1897-1982). It provides a clarification and update of Portmann's theoretical approach to the phenomenon of life, characterized by terms such as inwardness and self-presentation. Portmann's concepts of secondary altriciality and the social uterus have become foundational in philosophical anthropology, providing a benchmark of the difference between humans and animals. In its content, this book brings together two approaches: historical and philosophical analysis of Portmann's studies in the life sciences and application of Portmann's thought in the fields of biology, anthropology, and biosemiotics. Significant

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attention is also paid to the methodological implications of his intended reform of biology. Besides contributions from contemporary biologists, philosophers, and historians of science, this volume also includes a translation of an original essay by Portmann and a previously unpublished manuscript from his most remarkable English-speaking interpreter, philosopher Marjorie Grene. Portmanns conception of life is unique in its focus on the phenomenal appearance of organisms. Confronted with the enormous amount of scientific knowledge being produced today, it is even clearer than it was during Portmanns lifetime that although biologists employ physical and chemical methods, biology itself is not (only) physics and chemistry. These exact methods must be applied according to what has meaning for living beings. If biology seeks to understand organisms as autonomous agents, it needs to take display and the interpretation of appearances as basic characteristics of life. The topic of this book is significantly relevant to the disciplines of theoretical biology, philosophy, philosophical anthropology, and biosemiotics. The recent epigenetic turn in biology, acknowledging the interconnections between organismal development, morphology and communication, presents an opportunity to revisit Portmanns work and to reconsider and update his primary ideas in the contemporary context.

Combining physics and philosophy, this is a uniquely interdisciplinary examination of quantum information science. Suitable as both a discussion of the conceptual and philosophical problems of this field and a comprehensive stand-alone introduction, this book will benefit both experienced and new researchers in quantum information and the philosophy of physics. Research in Analytical Psychology: Empirical Research provides an original overview of empirical research in Analytical Psychology, focusing on quantitative and qualitative methods.

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This unique collection of chapters from an international range of contributors covers all the major concepts of Analytical Psychology and provides a strong empirical foundation. The book covers a wide range of concepts and fields, and is presented in five parts. Part I, Epistemological Foundations, looks at psychological empiricism and naturalism. Part II, Fundamental Concepts of Analytical Psychology, presents chapters on complexes, archetypes, dream interpretation, and image. Part III, Trauma, addresses neuroscience, dreams and infant observation research. Part IV, Psychotherapy and Psychotherapeutic Methods examines sandplay, picture interpretation, quality management and training. Finally, Part V, Synchronicity, contains chapters concerning the experience of psychophysical correlations and synchronistic experiences in psychotherapy. Each chapter provides an overview of research in the field and closes with general conclusions, and the book as a whole will enable practitioners to evaluate the empirical status of their concepts and methods and, where necessary, update them. It also presents the necessary material for a re-evaluation of the status of Analytical Psychology within the broader academic field, supporting a move back into the heart of current debates in psychology and psychotherapy. This book will be essential reading for analytical psychologists in practice and in training, academics and students of Analytical Psychology and post-Jungian ideas, and academics and students of other disciplines seeking to integrate methods from Analytical Psychology into their research. It is complemented by its companion volume, *Research in Analytical Psychology: Applications from Scientific, Historical, and Cross-Cultural Research*.

Alchemists are generally held to be the quirky forefathers of science, blending occultism with metaphysical pursuits. Although many were intelligent and well-intentioned thinkers, the oft-

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cited goals of alchemy paint these antiquated experiments as wizardry, not scientific investigation. Whether seeking to produce a miraculous panacea or struggling to transmute lead into gold, the alchemists radical goals held little relevance to consequent scientific pursuits. Thus, the temptation is to view the transition from alchemy to modern science as one that discarded fantastic ideas about philosophers stones and magic potions in exchange for modest yet steady results. It has been less noted, however, that the birth of atomic science actually coincided with an efflorescence of occultism and esoteric religion that attached deep significance to questions about the nature of matter and energy. Mark Morrisson challenges the widespread dismissal of alchemy as a largely insignificant historical footnote to science by prying into the revival of alchemy and its influence on the emerging subatomic sciences of the late 19th and early 20th centuries. Morrisson demonstrates its surprising influence on the emerging subatomic sciences of the late 19th and early 20th centuries. Specifically, Morrisson examines the resurfacing of occult circles during this time period and how their interest in alchemical tropes had a substantial and traceable impact upon the science of the day. Modern Alchemy chronicles several encounters between occult conceptions of alchemy and the new science, describing how academic chemists, inspired by the alchemy revival, attempted to transmute the elements; to make gold. Examining scientists publications, correspondence, talks, and laboratory notebooks as well as the writings of occultists, alchemical tomes, and science-fiction stories, he argues that during the birth of modern nuclear physics, the trajectories of science and occultism---so often considered antithetical---briefly merged. Dreaming is vital to the human story. It is essential to our survival and evolution, to creative endeavors in every field, and, quite simply, to getting us through our daily lives. All of us

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dream. Now Robert Moss shows us how dreams have shaped world events and why deepening our conscious engagement with dreaming is crucial for our future. He traces the strands of dreams through archival records and well-known writings, weaving remarkable yet true accounts of historical figures who were influenced by their dreams. In this wide-ranging, visionary book, Moss creates a new way to explore history and consciousness, combining the storytelling skills of a bestselling novelist with the research acumen of a scholar of ancient history and the personal experience of an active dreamer.

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