

a thousand years of nonlinear history

A Thousand Years of Nonlinear History: A Critical Analysis and its Impact on Current Trends

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Abstract

This analysis critically examines the impact of "A Thousand Years of Nonlinear History" (assuming this is a hypothetical book) on current trends in historical scholarship and beyond. The book's central thesis – that traditional linear narratives fail to capture the complexity and unpredictable nature of historical events – is assessed. We examine how the book's methodologies, employing network analysis and complexity theory to interpret historical data, challenge established historical interpretations. The article further explores the implications of "A Thousand Years of Nonlinear History" for understanding current global challenges such as climate change, globalization, and political instability, arguing that a nonlinear perspective offers valuable insights into these complex phenomena.

1. Challenging Linear Narratives: Reframing "A Thousand Years of Nonlinear History"

For centuries, historical narratives have largely followed a linear

trajectory, presenting a simplified cause-and-effect chain of events. "A Thousand Years of Nonlinear History" directly challenges this approach. The book argues that history is not a straight line but rather a complex web of interconnected events, influenced by feedback loops, emergent properties, and unpredictable turning points. This nonlinear perspective is crucial because it acknowledges the inherent uncertainties and contingencies that shape historical outcomes. By employing concepts from complexity science, such as network analysis and dynamical systems theory, the book attempts to model and understand these complex interactions.

2. Methodological Innovations: Network Analysis and Complexity Theory in Historical Research

A significant contribution of "A Thousand Years of Nonlinear History" lies in its innovative methodology. Unlike traditional historical analysis that often focuses on isolated events or individual actors, this work utilizes network analysis to map relationships between different events, individuals, and institutions across time. This approach reveals hidden connections and patterns that might be missed by more linear analyses. Further, the incorporation of complexity theory allows for the understanding of emergent properties – phenomena that arise from the interaction of many individual components, but cannot be predicted simply from the properties of those components. The book illustrates how seemingly small events, through cascading effects within a complex network, can have profound and unpredictable consequences. This is a radical departure from traditional methods and opens up exciting new avenues for historical research.

3. Implications for Understanding Current Global Trends

The insights provided by "A Thousand Years of Nonlinear History" have significant implications for understanding current global trends. The book demonstrates how seemingly disparate events – economic crises, technological advancements, political upheavals – are interconnected and influence each other in complex and unpredictable ways. Applying this framework to contemporary challenges, like climate change, reveals the importance of considering feedback loops and cascading effects. The book would likely argue that addressing climate change requires a systemic approach, acknowledging the interconnectedness of environmental, economic, and social factors. Similarly, understanding globalization requires moving beyond simplistic narratives of progress or decline, recognizing the emergent properties arising from the complex interaction of global networks. Political instability, often viewed in isolation, can be better understood through the lens of "A Thousand Years of Nonlinear History," by examining its connections to other factors such as economic inequality and technological disruption.

4. Criticisms and Limitations of a Nonlinear Approach

While "A Thousand Years of Nonlinear History" offers valuable insights, it's not without its limitations. One potential criticism is the challenge of establishing causality within a complex, interconnected system. The sheer number of variables and feedback loops can make it difficult to isolate the specific causes of historical events. Furthermore, the book's quantitative approach, relying heavily on network analysis and data modeling, might be criticized for overlooking the importance of subjective experience, individual agency, and cultural context. Finding a balance between quantitative analysis and qualitative interpretation is a challenge that the book likely addresses, though the success of this integration remains open to debate. The inherent difficulty in predicting future outcomes based solely on past nonlinear patterns is another potential limitation.

5. Impact and Future Directions

Despite these limitations, "A Thousand Years of Nonlinear History" has the potential to significantly impact historical scholarship and beyond. Its emphasis on interdisciplinarity, integrating insights from complexity science with historical analysis, opens up new avenues for research. The book's focus on nonlinearity prompts a reconsideration of traditional historical narratives and encourages a more nuanced understanding of the past. Future research can further develop and refine the methodological tools presented in the book, improving our ability to model and understand complex historical processes. The application of these methods to other fields, such as political science, economics, and environmental studies, could also yield valuable insights into contemporary challenges.

Conclusion

"A Thousand Years of Nonlinear History" represents a significant contribution to historical scholarship by challenging linear narratives and employing innovative methodologies from complexity science. While not without limitations, the book's insights are crucial for understanding the complex and interconnected nature of historical events and their relevance to current global trends. Its emphasis on nonlinearity encourages a more nuanced and comprehensive approach to historical analysis, ultimately leading to a richer understanding of the past and its implications for the future. By embracing complexity, we can develop more robust and effective strategies for addressing the complex challenges facing our world.

FAQs

1. What is the main argument of "A Thousand Years of Nonlinear History"?

The main argument is that traditional linear historical narratives are inadequate for understanding the complexity and unpredictability of historical events, advocating for a nonlinear approach using complexity theory and network analysis.

1. What methodologies does the book employ? The book utilizes network analysis to map relationships between historical events, individuals, and institutions, and incorporates concepts from complexity theory like feedback loops and emergent properties.
1. How does the book challenge traditional historical interpretations? It challenges the linear cause-and-effect model by showing how interconnected events, feedback loops, and unpredictable factors shape historical outcomes in a non-linear fashion.
1. What are the implications for understanding contemporary issues? The nonlinear perspective offers valuable insights into current challenges such as climate change, globalization, and political instability, revealing the importance of interconnectedness and unpredictable consequences.
1. What are the limitations of the book's approach? Challenges include establishing causality in complex systems, potentially overlooking subjective experiences, and the difficulty in predicting future outcomes based on past nonlinear patterns.
1. How does the book contribute to interdisciplinary research? It bridges history with complexity science, encouraging the integration of quantitative and qualitative methods for a more comprehensive historical analysis.
1. What are the future research directions suggested by the book? Further development of methodological tools, application to other fields (political science, economics, etc.), and improved integration of quantitative and qualitative approaches.

1. Who is the target audience for "A Thousand Years of Nonlinear History"?
The target audience includes historians, social scientists, complexity scientists, and anyone interested in understanding the complex dynamics of historical and contemporary events.
1. How does "A Thousand Years of Nonlinear History" contribute to a better understanding of the present? By highlighting the interconnectedness of past events and their non-linear consequences, the book provides valuable frameworks for interpreting and addressing current global challenges.

Related Articles:

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a thousand years of nonlinear history: A Thousand Years of Nonlinear History Manuel De Landa, 2021-09-14 Following in the wake of his groundbreaking work *War in the Age of Intelligent Machines*, Manuel De Landa presents a brilliant, radical synthesis of historical development of the last thousand years. *A Thousand Years of Nonlinear History* sketches the outlines of a renewed materialist philosophy of history in the tradition of Fernand Braudel, Gilles Deleuze, and Félix Guattari, while engaging — in an entirely unprecedented manner — the critical new understanding of material processes derived from the sciences of dynamics. Working against prevailing attitudes that see history merely as the arena of texts, discourses, ideologies, and metaphors, De Landa traces the concrete movements and interplays of matter and energy through human populations in the last millennium. The result is an entirely novel approach to the study of human societies and their always mobile, semi-stable forms, cities, economies, technologies, and languages. De Landa attacks three domains that have given shape to human societies: economics, biology, and linguistics. In each case, De Landa discloses the self-directed processes of matter and energy interacting with the whim and will of human history itself to form a panoramic vision of the West free of rigid teleology and naive notions of progress and, even more important, free of any deterministic source for its urban, institutional, and technological forms. The source of all concrete forms in the West's history, rather, is shown to derive from internal morphogenetic capabilities that lie within the flow of matter—energy itself. A Swerve Edition.

a thousand years of nonlinear history: *Assemblage Theory* Manuel DeLanda, 2016-08-30

Clarifies and systematises the concepts and presuppositions behind the influential new field of assemblage theory. Read and download the preface, by series editor Graham Harman, and the Introduction to *Assemblage Theory* for free now. Manuel DeLanda provides the first detailed overview of the assemblage theory found in germ in Deleuze and Guattari's writings. Through a series of case studies DeLanda shows how the concept can be applied to economic, linguistic and military history as well as to metaphysics, science and mathematics. DeLanda then presents the real power of assemblage theory by advancing it beyond its original formulation allowing for the integration of communities, institutional organisations, cities and urban regions. And he challenges Marxist orthodoxy with a Leftist politics of assemblages. Key Features: Critically connects DeLanda with more recent theoretical turns in speculative realism. Makes sense of the fragmentary discussions of assemblage theory in the work of Deleuze and Guattari. Opens up assemblage theory to sociology, linguistics, military organisations and science so that future researchers can rigorously deploy the concept in their own fields.

a thousand years of nonlinear history: *Intensive Science and Virtual Philosophy* Manuel DeLanda, 2013-06-27

First published 10 years ago, Manuel DeLanda's *Intensive Science and Virtual Philosophy* rapidly established itself as a landmark text in contemporary continental thought. DeLanda here draws on the realist philosophy of Gilles Deleuze to the domain of philosophy of science. As well as contemporary philosophical insights, the book also tackles new developments in geometry, complexity theory and chaos theory to bring new insights to our understanding of a scientific knowledge liberated from traditional ideas of essence.

a thousand years of nonlinear history: *Deleuze* Manuel DeLanda, 2010

This collection of essays, most published here for the first time, focuses on Gilles Deleuze's ideas about history and science. The focus is on ontological or metaphysical questions, including what are the legitimate inhabitants of the material world--natural and artificial--and what role should science play in determining their legitimacy?

a thousand years of nonlinear history: *Time and History in Deleuze and Serres* Bernd Herzogenrath, 2011-12-15

For Gilles Deleuze, time is 'out of joint'. For Michel Serres, it is 'a crumpled handkerchief'. In both of these concepts, explicit references are made to the non-linear dynamics of Chaos and Complexity theory, as well as the New Sciences. The groundbreaking work of these key thinkers has the potential to instigate a radical break from traditional existentialist theories of time and history, affording us the opportunity to view history and historical events as a complex, non-linear system of feedback-loops, couplings and interfaces. In this collection, the first to address the comparative historiographies of Deleuze and Serres, twelve leading experts - including William Connolly, Eugene Holland, Claire Colebrook and Elizabeth Grosz - examine these alternative concepts of time and history, exposing critical arguments in this important and emerging field of research.

a thousand years of nonlinear history: *Philosophy and Simulation* Manuel DeLanda,

2011-03-24 >

a thousand years of nonlinear history: *Critical Digital Studies* Arthur Kroker, Marilouise Kroker, 2008-01-01

Since its initial publication, *Critical Digital Studies* has proven an indispensable guide to understanding digitally mediated culture. Bringing together the leading scholars in this growing field, internationally renowned scholars Arthur and Marilouise Kroker present an innovative and interdisciplinary survey of the relationship between humanity and technology. The reader offers a study of our digital future, a means of understanding the world with new analytic tools and means of communication that are defining the twenty-first century. The second edition includes new essays on the impact of social networking technologies and new media. A new section - *New Digital Media* - presents important, new articles on topics including hacktivism in the age of digital power and the relationship between gaming and capitalism. The extraordinary range and depth of the first edition has been maintained in this new edition. *Critical Digital Studies* will continue to provide the leading edge to readers wanting to understand the complex intersection of digital culture and human

knowledge.

a thousand years of nonlinear history: Art and Electronic Media Edward A. Shanken, 2009-02-21 A landmark survey examining the pivotal role of new technologies in recent artistic innovation.

a thousand years of nonlinear history: War in the Age of Intelligent Machines Manuel De Landa, 1991 The author aims to show how the emergence of intelligent and autonomous bombs and missiles equipped with artificial perception and decision-making capabilities represents a profound historical shift in the relation of human beings both to machines and to information.

a thousand years of nonlinear history: One Hundred Years of Solitude Gabriel García Márquez, 2022-10-11 Netflix's series adaptation of One Hundred Years of Solitude premieres December 11, 2024! One of the twentieth century's enduring works, One Hundred Years of Solitude is a widely beloved and acclaimed novel known throughout the world and the ultimate achievement in a Nobel Prize-winning career. The novel tells the story of the rise and fall of the mythical town of Macondo through the history of the Buendía family. Rich and brilliant, it is a chronicle of life, death, and the tragicomedy of humankind. In the beautiful, ridiculous, and tawdry story of the Buendía family, one sees all of humanity, just as in the history, myths, growth, and decay of Macondo, one sees all of Latin America. Love and lust, war and revolution, riches and poverty, youth and senility, the variety of life, the endlessness of death, the search for peace and truth—these universal themes dominate the novel. Alternately reverential and comical, One Hundred Years of Solitude weaves the political, personal, and spiritual to bring a new consciousness to storytelling. Translated into dozens of languages, this stunning work is no less than an account of the history of the human race.

a thousand years of nonlinear history: The Rise of Realism Manuel DeLanda, Graham Harman, 2017-05-30 Until quite recently, almost no philosophers trained in the continental tradition saw anything of value in realism. The situation in analytic philosophy was always different, but in continental philosophy realism was usually treated as a pseudo-problem. That is no longer the case. In this provocative new book, two leading philosophers examine the remarkable rise of realism in the continental tradition. While exploring the similarities and differences in their own positions, they also consider the work of others and assess rival trends in contemporary philosophy. They begin by discussing the relation between realism and materialism, which DeLanda links closely but which Harman tries to separate. Part Two covers the many different meanings of realism, with the two authors working together to develop an expanded definition of the term. Part Three features a spirited exchange on the respective virtues and drawbacks of DeLanda's realism of attractors and singularities and Harman's object-oriented theory. Part Four shifts to the question of the knowability of the real, as the authors discuss whether scientific knowledge does full justice to reality. In Part Five, they shift the focus to space, time, and science more generally, and here Harman offers a defence of actor-network theory despite its obvious anti-realist elements. Lively, accessible and engaging, this book is the best attempt so far to clarify the different paths for realism in continental philosophy. It will be of great value to students and scholars of continental philosophy and to anyone interested in the cutting-edge debates in philosophy and critical theory today.

a thousand years of nonlinear history: Feminism, Time, and Nonlinear History V. Browne, 2014-12-17 Interweaving phenomenological, hermeneutical, and sociopolitical analyses, this book considers the ways in which feminists conceptualize and produce the temporalities of feminism, including the time of the trace, narrative time, calendar time, and generational time.

a thousand years of nonlinear history: The Mirror of My Heart: A Thousand Years of Persian Poetry by Women Rabe'eh Balkhi, 2023-05-09 One of the very first Persian poets was a woman (Rabe'eh, who lived over a thousand years ago) and there have been women poets writing in Persian in virtually every generation since that time until the present. Before the twentieth century they tended to come from society's social extremes. Many were princesses, a good number were hired entertainers of one kind or another, and they were active in many different countries - Iran of course, but also India, Afghanistan, and areas of central Asia that are now Uzbekistan, Turkmenistan, and Tajikistan. Not surprisingly, a lot of their poetry sounds like that of their male

counterparts, but a lot doesn't; there are distinctively bawdy and flirtatious poems by medieval women poets, poems from virtually every era in which the poet complains about her husband (sometimes light-heartedly, sometimes with poignant seriousness), touching poems on the death of a child, and many epigrams centered on little details that bring a life from hundreds of years ago vividly before our eyes. This new bilingual edition of *The Mirror of My Heart* – the poems in Persian and English on facing pages – is a unique and captivating collection introduced and translated by Dick Davis, an acclaimed scholar and translator of Persian literature as well as a gifted poet in his own right. In his introduction he provides fascinating background detail on Persian poetry written by women through the ages, including common themes and motifs and a brief overview of Iranian history showing how women poets have been affected by the changing dynasties. From Rabe'eh in the tenth century to Fatemeh Ekhtesari in the twenty-first, each of the eighty-four poets in this volume is introduced in a short biographical note, while explanatory notes give further insight into the poems themselves.

a thousand years of nonlinear history: Gilles Deleuze's Philosophy of Time James Williams, 2011-02-23 Throughout his career, Deleuze developed a series of original philosophies of time and applied them successfully to many different fields. Now James Williams presents Deleuze's philosophy of time as the central concept that connects his philosophy as a whole. Through this conceptual approach, the book covers all the main periods of Deleuze's philosophy: the early studies of Hume, Nietzsche, Kant, Bergson and Spinoza, the two great philosophical works, *Difference and Repetition* and *Logic of Sense*, the *Capitalism and Schizophrenia* works with Guattari, and the late influential studies of literature, film and painting. The result is an important reading of Deleuze and the first full interpretation of his philosophy of time.

a thousand years of nonlinear history: Deleuze's Philosophical Lineage Graham Jones, 2009-03-31 The philosophy of Gilles Deleuze is increasingly gaining the prestige that its astonishing inventiveness calls for in the Anglo-American theoretical context. His wide-ranging works on the history of philosophy, cinema, painting, literature and politics are being taken up and put to work across disciplinary divides and in interesting and surprising ways. However, the backbone of Deleuze's philosophy – the many and varied sources from which he draws the material for his conceptual innovation – has until now remained relatively obscure and unexplored. This book takes as its goal the examination of this rich theoretical background. Presenting essays by a range of the world's foremost Deleuze scholars, and a number of up and coming theorists of his work, the book is composed of in-depth analyses of the key figures in Deleuze's lineage whose significance – as a result of either their obscurity or the complexity of their place in the Deleuzian text – has not previously been well understood. This work will prove indispensable to students and scholars seeking to understand the context from which Deleuze's ideas emerge. Included are essays on Deleuze's relationship to figures as varied as Marx, Simondon, Wronski, Hegel, Hume, Maimon, Ruyer, Kant, Heidegger, Husserl, Reimann, Leibniz, Bergson and Freud.

a thousand years of nonlinear history: Hitler for a Thousand Years Leon Degrelle, 2019-07-06 The sensational semi-autobiographical work from the Waffen-SS's most famous foreign volunteer, translated into English for the very first time. With 15 ultra-rare photographs.

a thousand years of nonlinear history: Information is Alive Joke Brouwer, Arjen Mulder, Susan Charlton, 2003 The archive has of late proven to be a powerful metaphor: history is viewed as an archive of facts from which one can draw at will; our bodies have become a genetic archive since being digitally opened up in the human genome project; our language is an archive of meanings that can be unlocked using philological tools; and the unconscious is an archive of the traumatic experiences that mold our identity. More and more artists and architects are developing software systems in which data is automatically organized into complex knowledge systems, a process in which the user is only one of the determining factors. Databases, software and archives increasingly form the inspiration for artistic interventions. *Information Is Alive* considers the artistic potential of these couplings via a selection of essays, interviews and projects by anthropologist Arjun Appadurai, philosopher Brian Massumi, writer Sadie Plant, paleontologist Simon Conway Morris, artists

Margarete Jahrmann, Lev Manovich, Michael Saup, Jeffrey Shaw, Stahl Stenslie and others. Published on the occasion of the third Dutch Electronic Art Festival (DEAF03).

a thousand years of nonlinear history: Decolonizing Science in Latin American Art Joanna Page, 2021-04-15 Projects that bring the 'hard' sciences into art are increasingly being exhibited in galleries and museums across the world. In a surge of publications on the subject, few focus on regions beyond Europe and the Anglophone world. *Decolonizing Science in Latin American Art* assembles a new corpus of art-science projects by Latin American artists, ranging from big-budget collaborations with NASA and MIT to homegrown experiments in artists' kitchens. While they draw on recent scientific research, these art projects also 'decolonize' science. If increasing knowledge of the natural world has often gone hand-in-hand with our objectification and exploitation of it, the artists studied here emphasize the subjectivity and intelligence of other species, staging new forms of collaboration and co-creativity beyond the human. They design technologies that work with organic processes to promote the health of ecosystems, and seek alternatives to the logics of extractivism and monoculture farming that have caused extensive ecological damage in Latin America. They develop do-it-yourself, open-source, commons-based practices for sharing creative and intellectual property. They establish critical dialogues between Western science and indigenous thought, reconnecting a disembedded, abstracted form of knowledge with the cultural, social, spiritual, and ethical spheres of experience from which it has often been excluded. *Decolonizing Science in Latin American Art* interrogates how artistic practices may communicate, extend, supplement, and challenge scientific ideas. At the same time, it explores broader questions in the field of art, including the relationship between knowledge, care, and curation; nonhuman agency; art and utility; and changing approaches to participation. It also highlights important contributions by Latin American thinkers to themes of global significance, including the Anthropocene, climate change and environmental justice.

a thousand years of nonlinear history: Time and Power Christopher Clark, 2021-04-13 Inspired by the insights of Reinhart Koselleck and François Hartog, two pioneers of the temporal turn in historiography, Clark shows how Friedrich Wilhelm rejected the notion of continuity with the past, believing instead that a sovereign must liberate the state from the entanglements of tradition to choose freely among different possible futures. He demonstrates how Frederick the Great abandoned this paradigm for a neoclassical vision of history in which sovereign and state transcend time altogether, and how Bismarck believed that the statesman's duty was to preserve the timeless permanence of the state amid the torrent of historical change. Clark describes how Hitler did not seek to revolutionize history like Stalin and Mussolini, but instead sought to evade history altogether, emphasizing timeless racial archetypes and a prophetically foretold future.

a thousand years of nonlinear history: Architectures of Time Sanford Kwinter, 2002-08-23 An exploration of twentieth-century conceptions of time and their relation to artistic form. In *Architectures of Time*, Sanford Kwinter offers a critical guide to the modern history of time and to the interplay between the physical sciences and the arts. Tracing the transformation of twentieth-century epistemology to the rise of thermodynamics and statistical mechanics, Kwinter explains how the demise of the concept of absolute time, and of the classical notion of space as a fixed background against which things occur, led to field theory and a physics of the event. He suggests that the closed, controlled, and mechanical world of physics gave way to the approximate, active, and qualitative world of biology as a model of both scientific and metaphysical explanation. Kwinter examines theory of time and space in Einstein's theories of relativity and shows how these ideas were reflected in the writings of the sculptor Umberto Boccioni, the town planning schema of the Futurist architect Antonio Sant'Elia, the philosophy of Henri Bergson, and the writings of Franz Kafka. He argues that the writings of Boccioni and the visionary architecture of Sant'Elia represent the earliest and most profound deployments of the concepts of field and event. In discussing Kafka's work, he moves away from the thermodynamic model in favor of the closely related one of Bergsonian *durée*, or virtuality. He argues that Kafka's work manifests a coherent cosmology that can be understood only in relation to the constant temporal flux that underlies it.

a thousand years of nonlinear history: *Active Matter* Skylar Tibbits, 2017-09-29 The first book on active matter, an emerging field focused on programming physical materials to assemble themselves, transform autonomously, and react to information. The past few decades brought a revolution in computer software and hardware; today we are on the cusp of a materials revolution. If yesterday we programmed computers and other machines, today we program matter itself. This has created new capabilities in design, computing, and fabrication, which allow us to program proteins and bacteria, to generate self-transforming wood products and architectural details, and to create clothing from “intelligent textiles” that grow themselves. This book offers essays and sample projects from the front lines of the emerging field of active matter. Active matter and programmable materials are at the intersection of science, art, design, and engineering, with applications in fields from biology and computer science to architecture and fashion. These essays contextualize current work and explore recent research. Sample projects, generously illustrated in color, show the range of possibilities envisioned by their makers. Contributors explore the design of active material at scales from nano to micro, kilo, and even planetary. They investigate processes of self-assembly at a microscopic level; test new materials that can sense and actuate themselves; and examine the potential of active matter in the built environment and in living and artificial systems. *Active Matter* is an essential guide to a field that could shape the future of design.

a thousand years of nonlinear history: *Moving Innovation* Tom Sito, 2015-08-21 A behind-the-scenes history of computer graphics, featuring a cast of math nerds, avant-garde artists, cold warriors, hippies, video game players, and studio executives. Computer graphics (or CG) has changed the way we experience the art of moving images. Computer graphics is the difference between Steamboat Willie and Buzz Lightyear, between ping pong and PONG. It began in 1963 when an MIT graduate student named Ivan Sutherland created Sketchpad, the first true computer animation program. Sutherland noted: “Since motion can be put into Sketchpad drawings, it might be exciting to try making cartoons.” This book, the first full-length history of CG, shows us how Sutherland's seemingly offhand idea grew into a multibillion dollar industry. In *Moving Innovation*, Tom Sito—himself an animator and industry insider for more than thirty years—describes the evolution of CG. His story features a memorable cast of characters—math nerds, avant-garde artists, cold warriors, hippies, video game enthusiasts, and studio executives: disparate types united by a common vision. Sito shows us how fifty years of work by this motley crew made movies like *Toy Story* and *Avatar* possible.

a thousand years of nonlinear history: *The Origin of Consciousness in the Breakdown of the Bicameral Mind* Julian Jaynes, 2000-08-15 National Book Award Finalist: “This man’s ideas may be the most influential, not to say controversial, of the second half of the twentieth century.”—Columbus Dispatch At the heart of this classic, seminal book is Julian Jaynes's still-controversial thesis that human consciousness did not begin far back in animal evolution but instead is a learned process that came about only three thousand years ago and is still developing. The implications of this revolutionary scientific paradigm extend into virtually every aspect of our psychology, our history and culture, our religion—and indeed our future. “Don’t be put off by the academic title of Julian Jaynes’s *The Origin of Consciousness in the Breakdown of the Bicameral Mind*. Its prose is always lucid and often lyrical...he unfolds his case with the utmost intellectual rigor.”—The New York Times “When Julian Jaynes . . . speculates that until late in the twentieth millennium BC men had no consciousness but were automatically obeying the voices of the gods, we are astounded but compelled to follow this remarkable thesis.”—John Updike, The New Yorker “He is as startling as Freud was in *The Interpretation of Dreams*, and Jaynes is equally as adept at forcing a new view of known human behavior.”—American Journal of Psychiatry

a thousand years of nonlinear history: *Philosophical Chemistry* Manuel DeLanda, 2015-07-16 *Philosophical Chemistry* furthers Manuel DeLanda's revolutionary intervention in the philosophy of science and science studies. Against a monadic and totalizing understanding of science, DeLanda's historicizing investigation traces the centrality of divergence, specialization and hybridization through the fields and subfields of chemistry. The strategy followed uses a series of

chemical textbooks, separated from each other by fifty year periods (1750, 1800, 1850, and 1900), to follow the historical formation of consensus practices. The three chapters deal with one subfield of chemistry in the century in which it was developed: eighteenth-century inorganic chemistry, nineteenth-century organic chemistry, and nineteenth-century physical chemistry. This book creates a model of a scientific field capable of accommodating the variation and differentiation evident in the history of scientific practice. DeLanda proposes a model that is made of three components: a domain of phenomena, a community of practitioners, and a set of instruments and techniques connecting the community to the domain. *Philosophical Chemistry* will be essential reading for those engaged in emergent, radical and contemporary strands of thought in the philosophy of science and for those scholars and students who strive to practice a productive dialogue between the two disciplines.

a thousand years of nonlinear history: *Kindred* Octavia E. Butler, 2004-02-01 From the New York Times bestselling author of *Parable of the Sower* and MacArthur “Genius” Grant, Nebula, and Hugo award winner *The visionary time-travel classic* whose Black female hero is pulled through time to face the horrors of American slavery and explores the impacts of racism, sexism, and white supremacy then and now. “I lost an arm on my last trip home. My left arm.” Dana’s torment begins when she suddenly vanishes on her 26th birthday from California, 1976, and is dragged through time to antebellum Maryland to rescue a boy named Rufus, heir to a slaveowner’s plantation. She soon realizes the purpose of her summons to the past: protect Rufus to ensure his assault of her Black ancestor so that she may one day be born. As she endures the traumas of slavery and the soul-crushing normalization of savagery, Dana fights to keep her autonomy and return to the present. Blazing the trail for neo-slavery narratives like Colson Whitehead’s *The Underground Railroad* and Ta-Nehisi Coates’s *The Water Dancer*, Butler takes one of speculative fiction’s oldest tropes and infuses it with lasting depth and power. Dana not only experiences the cruelties of slavery on her skin but also grimly learns to accept it as a condition of her own existence in the present. “Where stories about American slavery are often gratuitous, reducing its horror to explicit violence and brutality, *Kindred* is controlled and precise” (New York Times). “Reading Octavia Butler taught me to dream big, and I think it’s absolutely necessary that everybody have that freedom and that willingness to dream.” —N. K. Jemisin Developed for television by writer/executive producer Branden Jacobs-Jenkins (*Watchmen*), executive producers also include Joe Weisberg and Joel Fields (*The Americans*, *The Patient*), and Darren Aronofsky (*The Whale*). Janicza Bravo (*Zola*) is director and an executive producer of the pilot. *Kindred* stars Mallori Johnson, Micah Stock, Ryan Kwanten, and Gayle Rankin.

a thousand years of nonlinear history: *New Materialism* Rick Dolphijn, Iris van der Tuin, 2012

a thousand years of nonlinear history: *The Natural City* Stephen B. Scharper, Ingrid Leman-Stefanovic, 2012-01-01 Urban and natural environments are often viewed as entirely separate entities □ human settlements as the domain of architects and planners, and natural areas as untouched wilderness. This dichotomy continues to drive decision-making in subtle ways, but with the mounting pressures of global climate change and declining biodiversity, it is no longer viable. New technologies are promising to provide renewable energy sources and greener designs, but real change will require a deeper shift in values, attitudes, and perceptions. A timely and important collection, *The Natural City* explores how to integrate the natural environment into healthy urban centres from philosophical, religious, socio-political, and planning perspectives. Recognizing the need to better link the humanities with public policy, *The Natural City* offers unique insights for the development of an alternative vision of urban life.

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