

Archaeologies Of Touch

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Making - Tim Ingold 2013-04-12

Making creates knowledge, builds environments and transforms lives. Anthropology, archaeology, art and architecture are all ways of making, and all are dedicated to exploring the conditions and potentials of human life. In this exciting book, Tim Ingold ties the four disciplines together in a way that has never been attempted before. In a radical departure from conventional studies that treat art and architecture as compendia of objects for analysis, Ingold proposes an anthropology and archaeology not of but with art and architecture. He advocates a way of thinking through making in which sentient practitioners and active materials continually answer to, or 'correspond', with one another in the generation of form. Making offers a series of profound reflections on what it means to create things, on materials and form, the meaning of design, landscape perception, animate life, personal knowledge and the work of the hand. It draws on examples and experiments ranging from prehistoric stone tool-making to the building of medieval cathedrals, from round mounds to monuments, from flying kites to winding string, from drawing to writing. The book will appeal to students and practitioners alike, with interests in social and cultural anthropology, archaeology, architecture, art and design, visual studies and material culture.

Jesus and Archaeology - James H. Charlesworth 2006-07-28

Archaeology still has many things to reveal about the life and world of Jesus of Nazareth. To touch a two-thousand-year-old pot held by a Jew who lived in a small village frequented by Jesus can bring us closer to understanding those who were touched by Jesus. *Jesus and Archaeology* contains the revised and edited lectures that leading archaeologists and biblical scholars presented at a gathering in Jerusalem to celebrate the new millennium. Many contributors came directly from their excavations in places like Bethsaida, Capernaum, Nazareth, and Jerusalem to share their discoveries and insights, focusing on the question In what ways do new archaeological discoveries clarify the world, life, and thought of Jesus from Nazareth? Readers of *Jesus and Archaeology* will gain many new insights into the life and times of this fascinating Galilean Jew. Contributors: Paul N. Anderson Rami Arav Dan Bahat Richard A. Batey Avraham Biran Brian J. Capper James H. Charlesworth Bruce Chilton James D. G. Dunn J. K. Elliott Esther Eshel Craig A. Evans Sean Freyne Yizhar Hirschfeld William Klassen John S. Kloppenborg Achim Lichtenberger Frédéric Manns John Painter Michele Piccirillo, O.F.M. Bargil Pixner, O.S.B. Emile Puech John Reumann Peter Richardson Henry W. M. Rietz Daniel R. Schwartz Benedict Thomas Viviano, O.P. Urban C. von Wahlde John W. Welch Jürgen Zangenberg Joseph E. Zias

Haptic Modernism - Abbie Garrington 2015-05-29

This book contends that the haptic sense - combining touch, kinaesthesia and proprioception - was first fully conceptualised and explored in the modernist period, in response to radical new bodily experiences brought about by scientific, technological and

Archaeologies of the Heart - Kisha Supernant 2020-02-13

Archaeological practice is currently shifting in response to feminist, indigenous, activist, community-based, and anarchic critiques of how archaeology is practiced and how science is used to interpret the past lives of people. Inspired by the calls for a different way of doing archaeology, this volume presents a case here for a heart-centered archaeological practice. Heart-centered practice emerged in care-based disciplines, such as nursing and various forms of therapy, as a way to recognize the importance of caring for those on whom we work, and as an avenue to explore how our interactions with others impacts our own emotions and heart. Archaeologists are disciplined to separate mind and heart, a division which harkens back to the origins of western thought. The dualism between the mental and the physical is fundamental to the concept that humans can objectively study the world without being immersed in it. Scientific approaches to understanding the world assume

there is an objective world to be studied and that humans must remove themselves from that world in order to find the truth. An archaeology of the heart rejects this dualism; rather, we see mind, body, heart, and spirit as inextricable. An archaeology of the heart provides a new space for thinking through an integrated, responsible, and grounded archaeology, where there is care for the living and the dead, acknowledges the need to build responsible relationships with communities, and with the archaeological record, and emphasize the role of rigor in how work and research is conducted. The contributions bring together archaeological practitioners from across the globe in different contexts to explore how heart-centered practice can impact archaeological theory, methodology, and research throughout the discipline.

Deep Time of the Media - Siegfried Zielinski 2006

A quest to find something new by excavating the deep time of media's development - not by simply looking at new media's historic forerunners, but by connecting models, machines, technologies, and accidents that have until now remained separated. *Deep Time of the Media* takes us on an archaeological quest into the hidden layers of media development - dynamic moments of intense activity in media design and construction that have been largely ignored in the historical-media archaeological record. Siegfried Zielinski argues that the history of the media does not proceed predictably from primitive tools to complex machinery; in *Deep Time of the Media*, he illuminates turning points of media history - fractures in the predictable - that help us see the new in the old. Drawing on original source materials, Zielinski explores the technology of devices for hearing and seeing through two thousand years of cultural and technological history. He discovers the contributions of dreamers and modelers of media worlds, from the ancient Greek philosopher Empedocles and natural philosophers of the Renaissance and Baroque periods to Russian avant-gardists of the early twentieth century. separated, Zielinski writes. He describes models and machines - including a theatre of mirrors in sixteenth-century Naples, an automaton for musical composition created by the seventeenth-century Jesuit Athanasius Kircher, the eighteenth-century electrical tele-writing machine of Joseph Mazzolari, among others - that make this connection. Uncovering these moments in the media-archaeological record, Zielinski says, brings us into a new relationship with present-day moments; these discoveries in the deep time media history shed light on today's media landscape and may help us map our expedition to the media future.

Sight, Touch, and Imagination in Byzantium - Roland Betancourt 2018-04-12

Studies the interrelation of sight, touch, and the imagination in ancient and medieval Greek theories of perception and cognition.

The Archaeology of Ancient Arizona - J. Jefferson Reid 1997-01-01

Carved from cliffs and canyons, buried in desert rock and sand are pieces of the ancient past that beckon thousands of visitors every year to the American Southwest. Whether Montezuma Castle or a chunk of pottery, these traces of prehistory also bring archaeologists from all over the world, and their work gives us fresh insight and information on an almost day-to-day basis. Who hasn't dreamed of boarding a time machine for a trip into the past? This book invites us to step into a Hohokam village with its sounds of barking dogs, children's laughter, and the ever-present grinding of mano on metate to produce the daily bread. Here, too, readers will marvel at the skills of Clovis elephant hunters and touch the lives of other ancestral people known as Mogollon, Anasazi, Sinagua, and Salado. Descriptions of long-ago people are balanced with tales about the archaeologists who have devoted their lives to learning more about "those who came before." Trekking through the desert with the famed Emil Haury, readers will stumble upon Ventana Cave, his "answer to a prayer." With amateur archaeologist Richard Wetherill, they will sense the peril of crossing the flooded San Juan River on the way to Chaco Canyon. Others profiled in the book are A. V. Kidder, Andrew Ellicott

Douglass, Julian Hayden, Harold S. Gladwin, and many more names synonymous with the continuing saga of southwestern archaeology. This book is an open invitation to general readers to join in solving the great archaeological puzzles of this part of the world. Moreover, it is the only up-to-date summary of a field advancing so rapidly that much of the material is new even to professional archaeologists. Lively and fast paced, the book will appeal to anyone who finds magic in a broken bowl or pueblo wall touched by human hands hundreds of years ago. For all readers, these pages offer a sense of adventure, that "you are there" stir of excitement that comes only with making new discoveries about the distant past.

As I Rest, Let My Face Touch Heaven - Matthew "Maasaw" Howard
2021-02-20

An intriguing earthen ovate earthen burial mound stretching over two hundred feet long and over forty feet tall stabilized by a mantle of floral species just off the central quadrangle deserted and alone has a peculiar topographic appearance and is obviously of human construction. Bear Spirit Mountain archaeological site shows great progress as research continues by Archaeologist Matt Howard and his team. JOHN THORTON HILLERARY Retired Geologist, USGS Book Author Matthew "Maasaw" Howard's two books, "Avonvdo Yona (Bear Spirit Mountain) An Ancestral Awakening" and most recently, "As I Rest, Let My Face Touch Heaven," are not traditional academic works...and this is what makes for their vitality and strength. As a Roman archaeologist and historian, I share a passion for understanding the past by unearthing and identifying long-buried or forgotten structures, monuments, artifacts, and man-made images. Matt's books clearly demonstrate his respect for the rigor and discipline of archaeology with his methodical researching, cataloging, documenting, and preserving the stone monuments, artifacts, burials, and rock art imagery. Matt Howard is uniquely qualified and positioned to serve as the chosen Protector of this most sacred and ancient Native American burial and ceremonial site. I find Matt's journey, as recorded in these books, is truly mesmerizing. DR. FRANCES S. BERNSTEIN, PH.D., ANCIENT HISTORY Archaeologist, Assistant Professor, Retired Author-"Classical Living: Reconnecting with the Rituals of Ancient Rome" The archaeological site known as "Bear Spirit Mountain" is one of the most significant discoveries made in the field of American Indian history found to date. This site dates to the late Pleistocene period and is a tremendous source of archaeological study for ancient American Indian customs and traditions. The sheer size of the site that measures in miles instead of acres has makes it stand out as one of the largest sites ever discovered in the Americas. JACK HRANICKY, RPA Archaeologist, Professor Book Author-Over fifty books published regarding the Pleistocene Period American Indian History For many years, the study of the indigenous stone monuments of the eastern U.S. has suffered from neglect on the part of professional archaeologists. It has fallen to dedicated and inspired amateur researchers like Matt Howard to document these enigmatic structures. With little formal training or equipment, Matt has provided a very significant contribution to the study of these monuments in his area, and he has drawn attention to their importance to the descendants of their creators, and to all of us as a matter of cultural heritage. I commend his efforts, and I encourage him to continue to document this important cluster of sites. DR. CURTISS HOFFMAN, PH.D., PROFESSOR EMERITUS OF ANTHROPOLOGY Bridgewater State University Noted Archaeologist and Anthropologist Author of "Stone Prayers: Native American Constructions of the Eastern Seaboard"

"As I Rest, Let My Face Touch Heaven, receives its inspiration from the American Indian Chief that one day looked down on several mountains and saw that they were formed by the Creator for his tribe to use as a ceremonial and burial site. It details the many thousands of years of hard work that went into the building and using one of the largest and oldest ceremonial/burial sites in all of the western hemisphere."

Things - Carolyn Korsmeyer 2019

Things: In Touch with the Past explores the value of artifacts that have survived from the past and that can be said to embody their histories. Such genuine or real things afford a particular kind of aesthetic experience-an encounter with the past-despite the fact that genuineness is not a perceptually detectable property. Although it often goes unnoticed, the sense of touch underlies such encounters, even though one is often not permitted literal touch. Carolyn Korsmeyer begins her account with the claim that wonder or marvel at old things fits within an experiential account of the aesthetic. She then presents her main argument regarding the role of touch-both when literal contact is made

and when proximity suffices, for touch is a fundamental sense that registers bodily position and location. Correct understanding of the identity of objects is presumed when one values things just because of what they are, and with discovery that a mistake has been made, admiration is often withdrawn. Far from undermining the importance of the genuine, these errors of identification confirm it. Korsmeyer elaborates this position with a comparison between valuing artifacts and valuing persons. She also considers the ethical issues of genuineness, for artifacts can be harmed in various ways ranging from vandalism to botched restoration. She examines the differences between a real thing and a replica in detail, making it clear that genuineness comes in degrees. Her final chapter reviews the ontology that best suits an account of persistence over time of things that are valued for being the real thing.

In Touch with the Future - Alberto Gallace 2014

This book explores the science of touch. It brings together the latest findings from cognitive neuroscience about the processing of tactile information in humans. The book provides a comprehensive overview of scientific knowledge regarding themes such as tactile memory, tactile awareness (consciousness) and tactile attention.

Essays on Aristotle's De Anima - Martha Craven Nussbaum 1995
'De Anima' is one of the most influential and widely-studied of Aristotle's works. This volume offers discussions of all aspects of this work by leading philosophers. Covering topics such as the relation between soul and body, memory, desire, and thought the essays present the philosophical substance of Aristotle's views to the modern reader.

The Filing Cabinet - Craig Robertson 2021-05-25

The history of how a deceptively ordinary piece of office furniture transformed our relationship with information The ubiquity of the filing cabinet in the twentieth-century office space, along with its noticeable absence of style, has obscured its transformative role in the histories of both information technology and work. In the first in-depth history of this neglected artifact, Craig Robertson explores how the filing cabinet profoundly shaped the way that information and data have been sorted, stored, retrieved, and used. Invented in the 1890s, the filing cabinet was a result of the nineteenth-century faith in efficiency. Previously, paper records were arranged haphazardly: bound into books, stacked in piles, curled into slots, or impaled on spindles. The filing cabinet organized loose papers in tabbed folders that could be sorted alphanumerically, radically changing how people accessed, circulated, and structured information. Robertson's unconventional history of the origins of the information age posits the filing cabinet as an information storage container, an "automatic memory" machine that contributed to a new type of information labor privileging manual dexterity over mental deliberation. Gendered assumptions about women's nimble fingers helped to naturalize the changes that brought women into the workforce as low-level clerical workers. The filing cabinet emerges from this unexpected account as a sophisticated piece of information technology and a site of gendered labor that with its folders, files, and tabs continues to shape how we interact with information and data in today's digital world.

Archaeologies of Touch - David Parisi 2018-02-27

A material history of haptics technology that raises new questions about the relationship between touch and media Since the rise of radio and television, we have lived in an era defined increasingly by the electronic circulation of images and sounds. But the flood of new computing technologies known as haptic interfaces—which use electricity, vibration, and force feedback to stimulate the sense of touch—offering an alternative way of mediating and experiencing reality. In Archaeologies of Touch, David Parisi offers the first full history of these increasingly vital technologies, showing how the efforts of scientists and engineers over the past three hundred years have gradually remade and redefined our sense of touch. Through lively analyses of electrical machines, videogames, sex toys, sensory substitution systems, robotics, and human-computer interfaces, Parisi shows how the materiality of touch technologies has been shaped by attempts to transform humans into more efficient processors of information. With haptics becoming ever more central to emerging virtual-reality platforms (immersive bodysuits loaded with touch-stimulating actuators), wearable computers (haptic messaging systems like the Apple Watch's Taptic Engine), and smartphones (vibrations that emulate the feel of buttons and onscreen objects), Archaeologies of Touch offers a timely and provocative engagement with the long history of touch technology that helps us confront and question the power relations underpinning the project of giving touch its own set of technical media.

[The Inner Touch](#) - Daniel Heller-Roazen 2007

An original, elegant, and far-reaching philosophical inquiry into what it means to feel alive.

[Archaeology of Louisiana](#) - Mark A. Rees 2010-11-30

Archaeology of Louisiana provides a groundbreaking and up-to-date overview of archaeology in the Bayou State, including a thorough analysis of the cultures, communities, and people of Louisiana from the Native Americans of 13,000 years ago to the modern historical archaeology of New Orleans. With eighteen chapters and twenty-seven distinguished contributors, *Archaeology of Louisiana* brings together the studies of some of the most respected archaeologists currently working in the state, collecting in a single volume a range of methods and theories to offer a comprehensive understanding of the latest archaeological findings. In the past two decades alone, much new data has transformed our knowledge of Louisiana's history. This collection, accordingly, presents fresh perspectives based on current information, such as the discovery that Native Americans in Louisiana constructed some of the earliest-known monumental architecture in the world—extensive earthen mounds—during the Middle Archaic period (6000–2000 B.C.) Other contributors consider a variety of subjects, such as the development of complex societies without agriculture, underwater archaeology, the partnering of archaeologists with the Caddo Nation and descendant communities, and recent research in historical archaeology and cultural resource management that promises to transform our current appreciation of colonial Spanish, French, Creole, and African American experiences in the Lower Mississippi Valley. Accessible and engaging, *Archaeology of Louisiana* provides a complete and current archaeological reference to the state's unique heritage and history.

[Algorithms of Education](#) - Kalervo N. Gulson 2022-05-17

A critique of what lies behind the use of data in contemporary education policy. While the science fiction tales of artificial intelligence eclipsing humanity are still very much fantasies, in *Algorithms of Education* the authors tell real stories of how algorithms and machines are transforming education governance, providing a fascinating discussion and critique of data and its role in education policy. *Algorithms of Education* explores how, for policy makers, today's ever-growing amount of data creates the illusion of greater control over the educational futures of students and the work of school leaders and teachers. In fact, the increased datafication of education, the authors argue, offers less and less control, as algorithms and artificial intelligence further abstract the educational experience and distance policy makers from teaching and learning. Focusing on the changing conditions for education policy and governance, *Algorithms of Education* proposes that schools and governments are increasingly turning to "synthetic governance"—a governance where what is human and machine becomes less clear—as a strategy for optimizing education. Exploring case studies of data infrastructures, facial recognition, and the growing use of data science in education, *Algorithms of Education* draws on a wide variety of fields—from critical theory and media studies to science and technology studies and education policy studies—mapping the political and methodological directions for engaging with datafication and artificial intelligence in education governance. According to the authors, we must go beyond the debates that separate humans and machines in order to develop new strategies for, and a new politics of, education.

[Software Studies](#) - Matthew Fuller 2008

This collection of short expository, critical and speculative texts offers a field guide to the cultural, political, social and aesthetic impact of software. Experts from a range of disciplines each take a key topic in software and the understanding of software, such as algorithms and logical structures.

[Media Archaeology](#) - Erkki Huhtamo 2011-06-12

"Huhtamo and Parikka, from the first and second generations of media archaeology, have brought together the best writings from almost all of the best authors in the field. Whether we speak of cultural materialism, media art history, new historicism or software studies, the essays compiled here provide not only an anthology of innovative historical case studies, but also a methodology for the future of media studies as material and historical analysis. *Media Archaeology* is destined to be a key handbook for a new generation of media scholars." —Sean Cubitt, author of *The Cinema Effect* "Taken together, this excellent collection of essays by a wide range of scholars and practitioners demonstrates how the emerging field of media archaeology not only excavates the ways in which newer media work to remediate earlier forms and practices but also sketches out how older media help to premeditate new ones."

—Richard Grusin, author of *Premediation: Affect and Mediality* after 9/11

"In *Media Archaeology*, a constellation of interdisciplinary writers explore society's relationship with the technological imaginary through history, with fascinating essays on influencing machines, Freud as media theorist, interactive games from the 19th century to the present day, just to name a few. As an artist, my mind is set on fire by discussions of the marvelous inventions that never made it to the mainstream, such as optophonic poetry, Christopher Strachey's 1952 'Love letter generator' for the Manchester Mark II computer, and the 'Baby talkie.'" —Zoe Beloff, artist and editor of *The Coney Island Amateur Psychoanalytic Society and Its Circle* "A long-awaited synthesis addressing media archaeology in all of its epistemological complexity. With wide-ranging intellectual breath and creative insight, Huhtamo and Parikka bring together an eminent array of international scholars in film and media studies, literary criticism, and history of science in the spirit of making the discourse of the humanities legible to artist-intellectuals. This foundational volume enables a sophisticated understanding of reproducible audiovisual media culture as apparatus, historical form, and avant-garde space of play." —Peter J. Bloom, author of *French Colonial Documentary: Mythologies of Humanitarianism* "An essential read for everyone interested in the histories of media and art." —Oliver Grau, author of *MediaArtHistories* "Media archaeology is a wonderful new shadow field. If you are willing to step outside the glow of new media, this book's approaches can shift how you experience the objects and experiences that fill the new everyday of contemporary life. No one captures the beauty of studying new media in the shadow of older media implements and practices better than Erkki Huhtamo, the Finnish writer, curator, and scholar of media technology and design famous for his creative work as a preservationist and an interpreter of pre-cinematic technologies of visual display. He has teamed up here with Jussi Parikka, the Finnish scholar who has brought us an insect theory of media, to give us this long-awaited collection of essays in media archaeology. The surprise of the book is that the essays collectively bring forward a range of approaches to considering archaeological practice, giving us new ways to think about our embodied and subjective orientations to technologies and objects through the lens of the material remnants of practice, rather than offering a narrow definition of the field. The collection moves between computational machines and influencing machines, preservation and imagination, offering a range of ways to live the new everyday of media experience through the imaginary of archaeology." —Lisa Cartwright, co-author of *Practices of Looking: An Introduction to Visual Culture* "Where McLuhan's *Understanding Media* ends, *Media Archaeology* actually begins. Refusing the often futile search for the eternal laws of media, *Media Archaeology* does something more difficult and rare. It literally brings the history of media alive by drawing into presence the enigmatic, heterogeneous, unruly past of the media—its artifacts, machines, imaginaries, tactics, and games. What results is a fabulous cabinet of (media) memories: the imaginary moving with kinetic frenzy, histories of what happens when media collide in the electronic space of the virtual, and stories about those strange interstitial spaces between analogue and digital." —Arthur Kroker, author of *The Will to Technology and the Culture of Nihilism* "Rupturing the continuities and established values of traditional media history, this exciting and thought-provoking collection makes a significant contribution to our understanding of media culture, and demonstrates that the presence of the past in present-day media is central to the recognition and re-cognition that media archaeology promotes." —John Fullerton, editor of *Screen Culture: History and Textuality* "Here, at last, is a collection of essays that are a critical step to comprehending the history of our impulse to see ourselves in the machines we have made. This could be the beginning of 'Archaeology of Intention.'" —Bernie Lubell, artist "Huhtamo and Parikka's expertly curated collection is a kaleidoscopic tour of media archaeology, giving us forceful evidence of that unruly domain's vitality while preserving its wonderful unpredictability. With this essential volume, countless new paths have been opened up for media and cultural historians." —Charles R. Acland, author of *Screen Traffic* "This brilliant collection of essays provides much needed material and historical grounding for our understanding of new media. At the same time, it animates that ground by recognizing the integral roles that imagination, embodiment, and even productive disturbance play in media historiography. Yet these essays constitute more than a collection of historical case studies; together, they transform the book's subject into its overall method. *Media Archaeology* performs media archaeology. Huhtamo and Parikka excavate the intellectual traditions and map the epistemological terrain of media archaeology itself, demonstrating that the field is ripe with possibilities not only for further historical

examination, but also for imagining exciting new scholarly and creative futures.” —Shannon Mattern, *The New School*

Archaeology: A Very Short Introduction - Paul Bahn 2012-08-30

This entertaining Very Short Introduction reflects the enduring popularity of archaeology - a subject which appeals as a pastime, career, and academic discipline, encompasses the whole globe, and surveys 2.5 million years. From deserts to jungles, from deep caves to mountain tops, from pebble tools to satellite photographs, from excavation to abstract theory, archaeology interacts with nearly every other discipline in its attempts to reconstruct the past. In this new edition, Paul Bahn brings the text up to date, including information about new discoveries and interpretations in the field, and highlighting the impact of developments such as the potential use of DNA and stable isotopes in teeth, as well the effect technology and science are having on archaeological exploration. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Archaeology from Space - Sarah Parcak 2019-07-09

National Geographic Explorer and TED Prize-winner Dr. Sarah Parcak welcomes you to the exciting new world of space archaeology, a growing field that is sparking extraordinary discoveries from ancient civilizations across the globe. In *Archaeology from Space*, Sarah Parcak shows the evolution, major discoveries, and future potential of the young field of satellite archaeology. From surprise advancements after the declassification of spy photography, to a new map of the mythical Egyptian city of Tanis, she shares her field's biggest discoveries, revealing why space archaeology is not only exciting, but urgently essential to the preservation of the world's ancient treasures. Parcak has worked in twelve countries and four continents, using multispectral and high-resolution satellite imagery to identify thousands of previously unknown settlements, roads, fortresses, palaces, tombs, and even potential pyramids. From there, her stories take us back in time and across borders, into the day-to-day lives of ancient humans whose traits and genes we share. And she shows us that if we heed the lessons of the past, we can shape a vibrant future. Includes Illustrations

Development History Of Ancient Chinese Glass Technology - 2021-02-04

Worldwide research on ancient glass began in the early 20th century. A consensus has been reached in the community of Archaeology that the first manmade or synthetic glasses, based on archaeological findings, originated in the Middle East during the 5000-3000's BC. By contrast, the manufacturing technology of pottery and ceramics were well developed in ancient China. The earliest pottery and ceramics dates back to the Shang Dynasty - the Zhou Dynasty (1700 BC-770 BC), while the earliest ancient glass artifacts unearthed in China dates back to the Western Han Dynasty. Utilizing the state-of-the art analytical and spectroscopic methods, the recent findings demonstrate that China had already developed its own glassmaking technology at latest since 200 BC. There are two schools of viewpoint on the origin of ancient Chinese glass. The more common one believes that ancient Chinese glass originated from the import of glassmaking technology from the West as a result of Sino-West trade exchanges in the Western Han Dynasty (206 BC-25 AD). The other scientifically demonstrates that homemade ancient Chinese glass with unique domestic formula containing both PbO and BaO were made as early as in the Pre-Qin Period or even the Warring States Period (770 BC-221 BC), known as Yousha or Faience. This English version of the previously published Chinese book entitled *Development History of Ancient Chinese Glass Technology* is for universities and research institutes where various research and educational activities of ancient glass and history are conducted. With 18 chapters, the scope of this book covers very detailed information on scientifically based findings of ancient Chinese glass development and imports and influence of foreign glass products as well as influence of the foreign glass manufacturing processes through the trade exchanges along the Silk Road(s).

The Robotic Imaginary - Jennifer Rhee 2018-10-16

Tracing the connections between human-like robots and AI at the site of dehumanization and exploited labor The word robot—introduced in Karel Čapek's 1920 play *R.U.R.*—derives from *rabota*, the Czech word for servitude or forced labor. A century later, the play's dystopian themes of dehumanization and exploited labor are being played out in factories, workplaces, and battlefields. In *The Robotic Imaginary*, Jennifer Rhee traces the provocative and productive connections of contemporary

robots in technology, film, art, and literature. Centered around the twinned processes of anthropomorphization and dehumanization, she analyzes the coevolution of cultural and technological robots and artificial intelligence, arguing that it is through the conceptualization of the human and, more important, the dehumanized that these multiple spheres affect and transform each other. Drawing on the writings of Alan Turing, Sara Ahmed, and Arlie Russell Hochschild; such films and novels as *Her* and *The Stepford Wives*; technologies like *Kismet* (the pioneering “emotional robot”); and contemporary drone art, this book explores anthropomorphic paradigms in robot design and imagery in ways that often challenge the very grounds on which those paradigms operate in robotics labs and industry. From disembodied, conversational AI and its entanglement with care labor; embodied mobile robots as they intersect with domestic labor; emotional robots impacting affective labor; and armed military drones and artistic responses to drone warfare, *The Robotic Imaginary* ultimately reveals how the human is made knowable through the design of and discourse on humanoid robots that are, paradoxically, dehumanized.

The Archaeology of Ethiopia - Niall Finneran 2007-11-08

This book provides the first truly comprehensive multi-period study of the archaeology of Ethiopia, surveying the country's history, detailing the discoveries from the late Stone Age, including the famous 'Lucy' and moving onto the emergence of food production, prehistoric rock art and an analysis of the increasing social complexity that can be obs

Studies in Social Theory in the Archaeology of the Ancient Near East - Ianir Milevski 2016-09-05

This volume presents a series of studies by scholars working in Middle Eastern archaeology who actively apply social theory to interpret their fieldwork. It aims to highlight the value of using social theory in the interpretation of field work in a region where, traditionally, such approaches have not played a major role. There are a number of factors that account for why social theory is often under-exploited by archaeologists in this part of the world. In many countries, where large numbers of the foreign archaeologists are involved, a division between those doing fieldwork and those undertaking archaeological interpretation can easily arise. Or, the lack of interest in social theory may stem from a legacy of positivism that overrides other approaches. There is also the fact that archaeology and anthropology often belong to separate academic departments and are considered two separate disciplines disconnected from each other. In some cases the centrality of historical paradigms has precluded the use of social theory. There are also divisions between universities and other research institutions, such as departments of antiquities, which is not conducive to interdisciplinary cooperation. This factor is especially debilitating in contexts of rapid destruction of sites and the exponential growth of salvage excavations and emergency surveys. The papers integrate a wide range of perspectives including 'New' or 'Processual' archaeology, Marxist, 'Post-Processual', evolutionist, cognitive, symbolic, and Cyber- archaeologies and touch on many topics including 3D representation, GIS, mapping and social theory, semiotics and linguistics, gender and bioarchaeology, social and technical identities, and modern historical modelling and social practices in Middle Eastern archaeology.

Modelwork - Martin Brückner 2021-10-12

How making models allows us to recall what was and to discover what still might be Whether looking inward to the intricacies of human anatomy or outward to the furthest recesses of the universe, expanding the boundaries of human inquiry depends to a surprisingly large degree on the making of models. In this wide-ranging volume, scholars from diverse fields examine the interrelationships between a model's material foundations and the otherwise invisible things it gestures toward, underscoring the pivotal role of models in understanding and shaping the world around us. Whether in the form of reproductions, interpretive processes, or constitutive tools, models may bridge the gap between the tangible and the abstract. By focusing on the material aspects of models, including the digital ones that would seem to displace their analogue forebears, these insightful essays ground modeling as a tactile and emphatically humanistic endeavor. With contributions from scholars in the history of science and technology, visual studies, musicology, literary studies, and material culture, this book demonstrates that models serve as invaluable tools across every field of cultural development, both historically and in the present day. *Modelwork* is unique in calling attention to modeling's duality, a dynamic exchange between imagination and matter. This singular publication shows us how models shape our ability to ascertain the surrounding world and to find new ways to transform it. Contributors: Hilary Bryon, Virginia Tech; Johanna

Drucker, UCLA; Seher Erdoğan Ford, Temple U; Peter Galison, Harvard U; Lisa Gitelman, New York U; Reed Gochberg, Harvard U; Catherine Newman Howe, Williams College; Christopher J. Lukasik, Purdue U; Martin Scherzinger, New York U; Juliet S. Sperling, U of Washington; Annabel Jane Wharton, Duke U.

Power Button - Rachel Plotnick 2018-09-25

Push a button and turn on the television; tap a button and get a ride; click a button and “like” something. The touch of a finger can set an appliance, a car, or a system in motion, even if the user doesn't understand the underlying mechanisms or algorithms. How did buttons become so ubiquitous? Why do people love them, loathe them, and fear them? In *Power Button*, Rachel Plotnick traces the origins of today's push-button society by examining how buttons have been made, distributed, used, rejected, and refashioned throughout history. Focusing on the period between 1880 and 1925, when “technologies of the hand” proliferated (including typewriters, telegraphs, and fingerprinting), Plotnick describes the ways that button pushing became a means for digital command, which promised effortless, discreet, and fool-proof control. Emphasizing the doubly digital nature of button pushing—as an act of the finger and a binary activity (on/off, up/down)—Plotnick suggests that the tenets of precomputational digital command anticipate contemporary ideas of computer users. Plotnick discusses the uses of early push buttons to call servants, and the growing tensions between those who work with their hands and those who command with their fingers; automation as “automagic,” enabling command at a distance; instant gratification, and the victory of light over darkness; and early twentieth-century imaginings of a future push-button culture. Push buttons, Plotnick tells us, have demonstrated remarkable staying power, despite efforts to cast button pushers as lazy, privileged, and even dangerous.

Sensing Law - Sheryl Hamilton 2016-11-25

A rich collection of interdisciplinary essays, this book explores the question: what is to be found at the intersection of the sensorium and law's empire? Examining the problem of how legal rationalities try to grasp what can only be sensed through the body, these essays problematize the Cartesian framework that has long separated the mind from the body, reason from feeling and the human from the animal. In doing so, they consider how the sensorium can operate, variously, as a tool of power or as a means of countering the exercise of regulatory force. The senses, it is argued, operate as a vector for the implication of subjects in legal webs, but also as a powerful site of resistance to legal definition and determination. From the sensorium of animals to technologically mediated perception, the ways in which the law senses and the ways in which senses are brought before the law invite a questioning of the categories of liberal humanism. And, as this volume demonstrates, this questioning opens up the both interesting and important possibility of imagining other sensual subjectivities.

Machine Learners - Adrian Mackenzie 2017-11-16

If machine learning transforms the nature of knowledge, does it also transform the practice of critical thought? Machine learning—programming computers to learn from data—has spread across scientific disciplines, media, entertainment, and government. Medical research, autonomous vehicles, credit transaction processing, computer gaming, recommendation systems, finance, surveillance, and robotics use machine learning. Machine learning devices (sometimes understood as scientific models, sometimes as operational algorithms) anchor the field of data science. They have also become mundane mechanisms deeply embedded in a variety of systems and gadgets. In contexts from the everyday to the esoteric, machine learning is said to transform the nature of knowledge. In this book, Adrian Mackenzie investigates whether machine learning also transforms the practice of critical thinking. Mackenzie focuses on machine learners—either humans and machines or human-machine relations—situated among settings, data, and devices. The settings range from fMRI to Facebook; the data anything from cat images to DNA sequences; the devices include neural networks, support vector machines, and decision trees. He examines specific learning algorithms—writing code and writing about code—and develops an archaeology of operations that, following Foucault, views machine learning as a form of knowledge production and a strategy of power. Exploring layers of abstraction, data infrastructures, coding practices, diagrams, mathematical formalisms, and the social organization of machine learning, Mackenzie traces the mostly invisible architecture of one of the central zones of contemporary technological cultures. Mackenzie's account of machine learning locates places in which a sense of agency can take root. His archaeology of the

operational formation of machine learning does not unearth the footprint of a strategic monolith but reveals the local tributaries of force that feed into the generalization and plurality of the field.

Image Objects - Jacob Gaboury 2021-08-03

How computer graphics transformed the computer from a calculating machine into an interactive medium, as seen through the histories of five technical objects. Most of us think of computer graphics as a relatively recent invention, enabling the spectacular visual effects and lifelike simulations we see in current films, television shows, and digital games. In fact, computer graphics have been around as long as the modern computer itself, and played a fundamental role in the development of our contemporary culture of computing. In *Image Objects*, Jacob Gaboury offers a prehistory of computer graphics through an examination of five technical objects—an algorithm, an interface, an object standard, a programming paradigm, and a hardware platform—arguing that computer graphics transformed the computer from a calculating machine into an interactive medium. Gaboury explores early efforts to produce an algorithmic solution for the calculation of object visibility; considers the history of the computer screen and the random-access memory that first made interactive images possible; examines the standardization of graphical objects through the Utah teapot, the most famous graphical model in the history of the field; reviews the graphical origins of the object-oriented programming paradigm; and, finally, considers the development of the graphics processing unit as the catalyst that enabled an explosion in graphical computing at the end of the twentieth century. The development of computer graphics, Gaboury argues, signals a change not only in the way we make images but also in the way we mediate our world through the computer—and how we have come to reimagine that world as computational.

Haunted Data - Lisa Blackman 2019-01-24

Haunted Data explores the concepts that are at work in our complex relationships with data. Our engagement with data – big or small – is never as simplistic or straightforward as might first appear. Indeed, Blackman argues that our relationship with data is haunted with errors, dead ends, ghostly figures, and misunderstandings that challenge core assumptions about the nature of thought, consciousness, mind, cognition, affect, communication, control and rationality, both human and non-human. Using contemporary controversies from 'weird science' including the field of priming and its uncanny relations to animal telepathy, as well as artificial intelligences and their curious relation to psychic research ('clairvoyant computers'), Blackman shows how some of the current crises in science in these areas reveal more than scientists are willing or even able to acknowledge. In addition to proposing a new theory of how we might engage with data, *Haunted Data* also provides a nuanced survey of the historical context to contemporary debates, going back to the 19th Century origins of modern computation and science to explain the ubiquity and oddness of our data relations. Drawing from radical philosophies of science, feminist science studies, queer theory, cultural studies, and the field of affect studies, the book develops a manifesto for how artists, philosophers and scientists might engage creatively and critically with science within the context of digital communication.

How We Became Sensorimotor - Mark Paterson 2021-10-26

An engrossing history of the century that transformed our knowledge of the body's inner senses. The years between 1833 and 1945 fundamentally transformed science's understanding of the body's inner senses, revolutionizing fields like philosophy, the social sciences, and cognitive science. In *How We Became Sensorimotor*, Mark Paterson provides a systematic account of this transformative period, while also demonstrating its substantial implications for current explorations into phenomenology, embodied consciousness, the extended mind, and theories of the sensorimotor, the body, and embodiment. Each chapter of *How We Became Sensorimotor* takes a particular sense and historicizes its formation by means of recent scientific studies, case studies, or coverage in the media. Ranging among a diverse array of sensations, including balance, fatigue, pain, the “muscle sense,” and what Maurice Merleau-Ponty termed “motricity,” Paterson's analysis moves outward from the familiar confines of the laboratory to those of the industrial world and even to wild animals and their habitats. He uncovers important stories, such as how forgotten pain-measurement schemes transformed criminology, or how Penfield's outmoded concepts of the sensory and motor homunculi of the brain still mar psychology textbooks. Complete with original archival research featuring illustrations and correspondence, *How We Became Sensorimotor* shows how the shifting and sometimes contested historical background to our understandings of the senses are being extended even today.

The Order of Things - Michel Foucault 2005-08-18

Possibly one of the most significant, yet most overlooked, works of the twentieth century, it was *The Order of Things* that established Foucault's reputation as an intellectual giant.

Touchscreen Archaeology - Wanda Strauven 2021-05-17

The touchscreen belongs to a century-long history of hands-on media practices and touchable art objects. This media-archaeological excavation examines the nature of our sensual involvement with media and invites the reader to think about the touchscreen beyond its technological implications. In six chapters, the book questions and historicizes both aspects of the touchscreen, considering "touch" as a media practice and "screen" as a touchable object.

The Power of Touch - Elizabeth Pye 2016-09-16

Despite the fact that we have a range of senses with which to perceive the world around us, museums and other cultural institutions have traditionally used sight as the main way to convey information. In everyday life, though, we use touch constantly in conjunction with sight. Why, then, does it play so small a role in the study and enjoyment of museum objects? Contributors to this volume explore how the sense of touch can be utilized in cultural institutions to facilitate understanding and learning.

The Epistemology of Non-Visual Perception - Dimitria Electra Gatzia 2020-01-03

Most of the research on the epistemology of perception has focused on visual perception. This is hardly surprising given that most of our knowledge about the world is largely attributable to our visual experiences. The present volume is the first to instead focus on the epistemology of non-visual perception - hearing, touch, taste, and cross-sensory experiences. Drawing on recent empirical studies of emotion, perception, and decision-making, it breaks new ground on discussions of whether or not perceptual experience can yield justified beliefs and how to characterize those beliefs. *The Epistemology of Non-Visual Perception* explores questions not only related to traditional sensory perception, but also to proprioceptive, interoceptive, multisensory, and event perception, expanding traditional notions of the influence that conscious non-visual experience has on human behavior and rationality. Contributors investigate the role that emotions play in decision-making and agential perception and what this means for justifications of belief and knowledge. They analyze the notion that some sensory experiences, like touch, have epistemic privilege over others, as well as perception's relationship to introspection, and the relationship between action perception and belief. Other essays engage with topics in aesthetics and the philosophy of art, exploring the role that artworks can play in providing us with perceptual knowledge of emotions. The essays collected here, written by top researchers in their respective fields, offer perspectives from a wide range of philosophical disciplines and will appeal to scholars interested in philosophy of mind, epistemology, philosophical psychology, among others.

Vilcabamba and the Archaeology of Inca Resistance - Brian S. Bauer 2015-12-31

The sites of Vitcos and Espiritu Pampa are two of the most important Inca cities within the remote Vilcabamba region of Peru. The province has gained notoriety among historians, archaeologists, and other students of the Inca, since it was from here that the last independent Incas waged a nearly forty-year-long war (AD 1536-1572) against Spanish control of the Andes. Building on three years of excavation and two years of archival work, the authors discuss the events that took place in this area, speaking to the complex relationships that existed between the Europeans and Andeans during the decades that Vilcabamba was the final stronghold of the Inca empire. This has long been a topic of interest for the public; the results of the first large-scale scientific research conducted in the region will be illuminating for scholars as well as for general readers who are enthusiasts of this period of history and archaeology.

Intercorporeality - Christian Meyer 2017

This book draws inspiration from Maurice Merleau-Ponty's concept of intercorporeality to offer a new, multidisciplinary perspective on the body. By drawing attention to the body's ability to simultaneously sense and be sensed, Merleau-Ponty transcends the object-subject divide and describes how bodies are about, into, and within other bodies. Such

inherent relationality constitutes the essence of intercorporeality, and the chapters in this book examine such relationality from a host of diverse perspectives. The book begins with an introductory chapter in which the editors review the current research on bodily interaction, and introduce the notion of intercorporeality as a potentially integrative framework. The first section then offers four chapters devoted to clarifying theoretical and developmental perspectives on intercorporeality. Section 2 contains three chapters that provide insight on intercorporeality from evolutionary, historical, and cross-sectional perspectives. In Section 3, four chapters examine the intercorporeal nature of meaning-making during human interaction. Section 4 then presents three chapters that explore the intercorporeal nature of multi-agent interactions and the role that non-animate bodies (i.e., objects) play in such interaction. Throughout all the chapters, the authors work to integrate research in their specific discipline into the larger, transdisciplinary notion of intercorporeality. This collection provides an indisputably unique perspective on bodies-in-interaction, while simultaneously offering an interdisciplinary way forward in contemporary scholarship on bodies, meaning, and interaction.

A Village Goes Mobile - Sirpa Tenhunen 2018-04-27

In *A Village Goes Mobile*, Sirpa Tenhunen examines how the mobile telephone has contributed to social change in rural India. Tenhunen's long-term ethnographic fieldwork in West Bengal began before the village had a phone system in place and continued through the introduction and proliferation of the smartphone. She here analyzes how mobile telephones emerged as multidimensional objects which, in addition to enabling telephone conversations, facilitated status aspirations, internet access, and entertainment practices. She explores how this multifaceted use of mobile phones has affected agency and power dynamics in economic, political, and social relationships, and how these new social constellations relate to culture and development. In eight chapters, Tenhunen asks such questions as: Who benefits from mobile telephony and how? Can people use mobile phones to change their lives, or does phone use merely amplify existing social patterns and power relationships? Can mobile telephony induce development? Going beyond the case of West Bengal, Tenhunen develops a framework to understand how new media mediates social processes within interrelated social spheres and local hierarchies by relating, media-saturated forms of interaction to pre-existing contexts.

Playing with the Book - Hannah Field 2019-07-02

A beautifully illustrated exploration of how Victorian novelty picture books reshape the ways children read and interact with texts. The Victorian era saw an explosion of novelty picture books with flaps to lift and tabs to pull, pages that could fold out, pop-up scenes, and even mechanical toys mounted on pages. Analyzing books for young children published between 1835 and 1914, *Playing with the Book* studies how these elaborately designed works raise questions not just about what books should look like but also about what reading is, particularly in relation to children's literature and child readers. Novelty books promised (or threatened) to make reading a physical as well as intellectual activity, requiring the child to pull a tab or lift a flap to continue the story. These books changed the relationship between pictures, words, and format in both productive and troubling ways. Hannah Field considers these aspects of children's reading through case studies of different formats of novelty and movable books and intensive examination of editions that have survived from the nineteenth century. She discovers that children ripped, tore, and colored in their novelty books—despite these books' explicit instructions against such behaviors. Richly illustrated with images of these ingenious constructions, *Playing with the Book* argues that novelty books construct a process of reading that involves touch as well as sight, thus reconfiguring our understanding of the phenomenology of reading.

Archaeologies of Touch - David Parisi 2018

David Parisi offers the first full history of new computing technologies known as haptic interfaces—which use electricity, vibration, and force feedback to stimulate the sense of touch—showing how the efforts of scientists and engineers over the past 300 years have gradually remade and redefined our sense of touch. *Archaeologies of Touch* offers a timely and provocative engagement with the long history of touch technology that helps us confront and question the power relations underpinning the project of giving touch its own set of technical media.