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Slavery, Geography and Empire in Nineteenth-Century Marine Landscapes of Montreal and Jamaica
Empire and mobility in the long nineteenth century
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The Oxford Handbook of the Ends of Empire

Collection of essays focusing on the roles of intermediaries such as brokers and spies, messengers and translators, missionaries and entrepreneurs, in linking different parts of the ever more densely entangled systems of knowledge production and circulation at a key moment in the development of global scientific, commercial and political systems. The period 1770-1820 was decisive for the reformation of imperial projects in the wake of military catastrophe and politico-economic crisis, both in the Atlantic and the Asian/Pacific spheres -- economic and political worlds dominated by complex trade systems and violent contest. This conjuncture also saw the overhaul of networks and institutions of natural knowledge, whether commercial, voluntary or organs of state. Both the industrial and the second scientific revolutions have been dated to this moment. New and decisive relations were forged between different cultures' knowledge carriers. The authors consider knowledge movements of the epoch that escape simple models of metropolitan centre and remote colonial periphery. They question the immutable character of mediators and agents in knowledge communication.

The Renaissance of Letters

In a penetrating account of the evolution of British intelligence gathering in India, C. A. Bayly shows how networks of Indian spies were recruited by the British to secure military, political and social information about their subjects. He also examines the social and intellectual origins

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of these 'native informants', and considers how the colonial authorities interpreted and often misinterpreted the information they supplied. It was such misunderstandings which ultimately contributed to the failure of the British to anticipate the rebellions of 1857. The author argues, however, that even before this, complex systems of debate and communication were challenging the political and intellectual dominance of the European rulers.

Science in the Spanish and Portuguese Empires, 1500–1800

Eating the flesh of an Egyptian mummy prevents the plague. Distilled poppies reduce melancholy. A Turkish drink called coffee increases alertness. Tobacco cures cancer. Such beliefs circulated in the seventeenth and eighteenth centuries, an era when the term "drug" encompassed everything from herbs and spices—like nutmeg, cinnamon, and chamomile—to such deadly poisons as lead, mercury, and arsenic. In *The Age of Intoxication*, Benjamin Breen offers a window into a time when drugs were not yet separated into categories—illicit and licit, recreational and medicinal, modern and traditional—and there was no barrier between the drug dealer and the pharmacist. Focusing on the Portuguese colonies in Brazil and Angola and on the imperial capital of Lisbon, Breen examines the process by which novel drugs were located, commodified, and consumed. He then turns his attention to the British Empire, arguing that it owed much of its success in this period to its usurpation of the Portuguese drug networks. From the sickly sweet tobacco that helped finance the Atlantic slave trade to the cannabis that an East Indies merchant sold to the natural philosopher Robert Hooke in one of the earliest European coffeehouses, Breen shows how drugs have been entangled with science and

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empire from the very beginning. Featuring numerous illuminating anecdotes and a cast of characters that includes merchants, slaves, shamans, prophets, inquisitors, and alchemists, *The Age of Intoxication* rethinks a history of drugs and the early drug trade that has too often been framed as opposites—between medicinal and recreational, legal and illegal, good and evil. Breen argues that, in order to guide drug policy toward a fairer and more informed course, we first need to understand who and what set the global drug trade in motion.

Cuisine and Empire

This volume challenges the widespread belief that scientific knowledge as such is international. Employing case studies from Austria, Poland, the Czech lands, and Hungary, the authors show how scientists in the late Habsburg Monarchy simultaneously nationalized and internationalized their knowledge.

Iberian World Empires and the Globalization of Europe 1415–1668

This volume is a collection of essays that examines the practices and aims of science in the early modern Spanish and Portuguese empires (ca. 1500-1800), situating them in their historical, cultural, social, and political context.

Visions of Empire

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This book explores cross-cultural medical encounters involving non-Western healers in a variety of imperial contexts from the Arctic, Asia, Africa, Americas and the Caribbean. It highlights contests over healing, knowledge and medicines through the frameworks of hybridisation and pluralism. The intertwined histories of medicine, empire and early globalisation influenced the ways in which millions of people encountered and experienced suffering, healing and death. In an increasingly global search for therapeutics and localised definition of acceptable healing, networks and mobilities played key roles. Healers' engagements with politics, law and religion underline the close connections between healing, power and authority. They also reveal the agency of healers, sufferers and local societies, in encounters with modernising imperial states, medical science and commercialisation. The book questions and complements the traditional narratives of triumphant biomedicine, reminding readers that "traditional" medical cultures and practitioners did not often disappear, but rather underwent major changes in the increasingly interconnected world.

Photography, Natural History and the Nineteenth-Century Museum

"Empire and Communications" is one of Innis's most important contributions to the debate about how media influences the development of consciousness and societies.-This is one of Innis's most important contributions to the debate about how media influences the development of consciousness and societies.

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Visible Empire

This open access book analyses Iberian expansion by using knowledge accumulated in recent years to test some of the most important theories regarding Europe's economic development. Adopting a comparative perspective, it considers the impact of early globalization on Iberian and Western European institutions, social development and political economies. In spite of globalization's minor importance from the commercial perspective before 1750, this book finds its impact decisive for institutional development, political economies, and processes of state-building in Iberia and Europe. The book engages current historiographies and revindicates the need to take the concept of composite monarchies as a point of departure in order to understand the period's economic and social developments, analysing the institutions and societies resulting from contact with Iberian peoples in America and Asia. The outcome is a study that nuances and contests an excessively-negative yet prevalent image of the Iberian societies, explores the difficult relationship between empires and globalization and opens paths for comparisons to other imperial formations.

Environments of Empire

"More than a history of science; it is a tour de force in the genre."—New York Times Book Review A dramatic new account of the parallel quests to harness time that culminated in the revolutionary science of relativity, Einstein's Clocks, Poincaré's Maps is "part history, part

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science, part adventure, part biography, part meditation on the meaning of modernity. In Galison's telling of science, the meters and wires and epoxy and solder come alive as characters, along with physicists, engineers, technicians and others. Galison has unearthed fascinating material" (New York Times). Clocks and trains, telegraphs and colonial conquest: the challenges of the late nineteenth century were an indispensable real-world background to the enormous theoretical breakthrough of relativity. And two giants at the foundations of modern science were converging, step-by-step, on the answer: Albert Einstein, an young, obscure German physicist experimenting with measuring time using telegraph networks and with the coordination of clocks at train stations; and the renowned mathematician Henri Poincaré, president of the French Bureau of Longitude, mapping time coordinates across continents. Each found that to understand the newly global world, he had to determine whether there existed a pure time in which simultaneity was absolute or whether time was relative. Esteemed historian of science Peter Galison has culled new information from rarely seen photographs, forgotten patents, and unexplored archives to tell the fascinating story of two scientists whose concrete, professional preoccupations engaged them in a silent race toward a theory that would conquer the empire of time.

Networks beyond Empires

The Renaissance of Letters traces the multiplication of letter-writing practices between the fourteenth and seventeenth centuries in the Italian peninsula and beyond to explore the importance of letters as a crucial document for understanding the Italian Renaissance. This

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edited collection contains case studies, ranging from the late medieval re-emergence of letter-writing to the mid-seventeenth century, that offer a comprehensive analysis of the different dimensions of late medieval and Renaissance letters—literary, commercial, political, religious, cultural, social, and military—which transformed them into powerful early modern tools. The Renaissance was an era that put letters into the hands of many kinds of people, inspiring them to see reading, writing, receiving, and sending letters as an essential feature of their identity. The authors take a fresh look at the correspondence of some of the most important humanists of the Italian Renaissance, including Niccolò Machiavelli and Isabella d'Este, and consider the use of letters for others such as merchants and physicians. This book is essential reading for scholars and students of Early Modern History and Literature, Renaissance Studies, and Italian Studies. The engagement with essential primary sources renders this book as an indispensable tool for those teaching seminars on Renaissance history and literature.

A Temperate Empire

Between 1777 and 1816, botanical expeditions crisscrossed the vast Spanish empire in an ambitious project to survey the flora of much of the Americas, the Caribbean, and the Philippines. While these voyages produced written texts and compiled collections of specimens, they dedicated an overwhelming proportion of their resources and energy to the creation of visual materials. European and American naturalists and artists collaborated to manufacture a staggering total of more than 12,000 botanical illustrations. Yet these images have remained largely overlooked—until now. In this lavishly illustrated volume, Daniela

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Bleichmar gives this archive its due, finding in these botanical images a window into the worlds of Enlightenment science, visual culture, and empire. Through innovative interdisciplinary scholarship that bridges the histories of science, visual culture, and the Hispanic world, Bleichmar uses these images to trace two related histories: the little-known history of scientific expeditions in the Hispanic Enlightenment and the history of visual evidence in both science and administration in the early modern Spanish empire. As Bleichmar shows, in the Spanish empire visual epistemology operated not only in scientific contexts but also as part of an imperial apparatus that had a long-established tradition of deploying visual evidence for administrative purposes.

Spaces of Global Knowledge

This book establishes a dialogue between colonial studies and the history of science, contributing to a renewed analytical framework grounded on a trans-national, trans-cultural and trans-imperial perspective. It proposes a historiographical revision based on self-organization and cooperation theories, as well as the role of traditionally marginalized agents, including women, in processes that contributed to the building of a First Global Age, from 1400 to 1800. The intermediaries between European and local bearers of knowledge played a central role, together with cultural translation processes involving local practices of knowledge production and the global circulation of persons, commodities, information and knowledge. Colonized worlds in the First Global Age were central to the making of Europe, while Europeans were, undoubtedly, responsible for the emergence of new balances of power and new cultural

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grounds. Circulation and locality are core concepts of the theoretical frame of this book. Discussing the connection between the local and the global, in terms of production and circulation of knowledge, within the framework of colonialism, the book establishes a dialogue between experts on the history of science and specialists on global and colonial studies.

Science and Empires

In *Networks beyond Empires*, Kuo finds that Chinese speech-group ties were key to understanding diasporic businesses and nationalism. These transnational networks transformed the Hong Kong-Singapore corridor into a space autonomous from Chinese official nationalism and British as well as Japanese empires.

Janello Torriani and the Spanish Empire

The age of European high imperialism was characterized by the movement of plants and animals on a historically unprecedented scale. The human migrants who colonized territories around the world brought a variety of other species with them, from the crops and livestock they hoped to propagate, to the parasites, invasive plants, and pests they carried unawares, producing a host of unintended consequences that reshaped landscapes around the world. While the majority of histories about the dynamics of these transfers have concentrated on the British Empire, these nine case studies--focused on the Ottoman, French, Dutch, German, and

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British empires--seek to advance a historical analysis that is comparative, transnational, and interdisciplinary to understand the causes, consequences, and networks of biological exchange and ecological change resulting from imperialism. Contributors: Brett M. Bennett, Semih Celik, Nicole Chalmer, Jodi Frawley, Ulrike Kirchberger, Carey McCormack, Idir Ouahes, Florian Wagner, Samuel Eleazar Wendt, Alexander van Wickeren, Stephanie Zehnle

The E-Commerce Book

Seema Alavi challenges the idea that all pan-Islamic configurations are anti-Western or pro-Caliphate. A pan-Islamic intellectual network at the cusp of the British and Ottoman empires became the basis of a global Muslim sensibility—a political and cultural affiliation that competes with ideas of nationhood today as it did in the last century.

Malarial Subjects

SCIENCE AND EMPIRES: FROM THE INTERNATIONAL COLLOQUIUM TO THE BOOK
Patrick PETITJEAN, Catherine JAMI and Anne Marie MOULIN The International Colloquium "Science and Empires - Historical Studies about Scientific Development and European Expansion" is the product of an International Colloquium, "Sciences and Empires - A Comparative History of Scientific Exchanges: European Expansion and Scientific Development in Asian, African, American and Oceanian Countries". Organized by the

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REHSEIS group (Research on Epistemology and History of Exact Sciences and Scientific Institutions) of CNRS (National Center for Scientific Research), the colloquium was held from 3 to 6 April 1990 in the UNESCO building in Paris. This colloquium was an idea of Professor Roshdi Rashed who initiated this field of studies in France some years ago, and proposed "Sciences and Empires" as one of the main research programmes for the The project to organize such a colloquium was a bit REHSEIS group. of a gamble. Its subject, reflected in the title "Sciences and Empires", is not a currently-accepted sub-discipline of the history of science; rather, it refers to a set of questions which found autonomy only recently. The terminology was strongly debated by the participants and, as is frequently suggested in this book, awaits fuller clarification.

The Brokered World

Mobility was central to imperialism, from the human movements entailed in exploration, travel and migration to the information, communications and commodity flows vital to trade, science, governance and military power. While historians have written on exploration, commerce, imperial transport and communications networks, and the movements of slaves, soldiers and scientists, few have reflected upon the social, cultural, economic and political significance of mobile practices, subjects and infrastructures that underpin imperial networks, or examined the qualities of movement valued by imperial powers and agents at different times. This collection explores the intersection of debates on imperial relations, colonialism and empire with emerging work on mobility. In doing this, it traces how the movements of people,

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representations and commodities helped to constitute the British empire from the late-eighteenth century through to the Second World War.

Connecting Worlds

This book examines how and why British imperial rule shaped scientific knowledge about malaria and its cures in nineteenth-century India. This title is also available as Open Access.

Empires of Knowledge

New in the Second Edition Contains over 60% new material Complete and extensive glossary will be added Complete revision and update of the security chapter (reflecting the recent Yahoo experience) Strengthened coverage of E-Business to Business Increased and redesigned case studies Increased European and international coverage Revised, expanded, and enhanced illustrations New, attractive text design with features such as margin notes Increased size of tables containing website contacts Redesigned cover * Contains over 60% new material * Complete and extensive glossary will be added * Complete revision and update of the security chapter (reflecting the recent Yahoo experience) * Strengthened coverage of E-Business to Business * Increased and redesigned case studies * Increased European and international coverage * Revised, expanded, and enhanced illustrations * New, attractive text design with features such as margin notes * Increased size of tables containing website

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contacts * Redesigned cover

Experiencing Nature

"In this extraordinary volume, Krishan Kumar provides us with a brilliant tour of some of history's most important empires, demonstrating the critical importance of imperial ideas and ideologies for understanding their modalities of rule and the conflicts that beset them. In doing so, he interrogates the contested terrain between nationalism and empire and the legacies that empires leave behind."--Mark R. Beissinger, Princeton University "This is an excellent book with original insights into the history of empires and the discourses and rhetoric of their rulers and defenders. Kumar's writing is lively and free of jargon, and his research is prodigious. He manages to bring clarity and perspective to a complex subject."--Ronald Grigor Suny, author of "They Can Live in the Desert but Nowhere Else": A History of the Armenian Genocide "A masterly piece of work."--Anthony Pagden, author of The Burdens of Empire: 1539 to the Present

Empire of scholars

This handbook is currently in development, with individual articles publishing online in advance of print publication. At this time, we cannot add information about unpublished articles in this handbook, however the table of contents will continue to grow as additional articles pass

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through the review process and are added to the site. Please note that the online publication date for this handbook is the date that the first article in the title was published online.

Science Across the European Empires, 1800-1950

Offering one of the first analyses of how networks of science interacted within the British Empire during the past two centuries, this volume shows how the rise of formalized state networks of science in the mid nineteenth-century led to a constant tension between administrators and scientists.

Science and Empire

The volume investigates how the British, French, German, and Dutch empires influenced or were influenced by scientific exploration as a means Western culture used to gain entry to the non-Western world from around 1800 to the middle of the twentieth century. The transnational perspective aids an understanding and comparison of the sciences as an instrument which the colonial powers employed to gain economic advantage and political control. The essays pay tribute to the 'metropolitan/centre' and 'colonial/periphery' viewpoints and to the different ways in which imperial expansion occurred. Science had specific meanings in the specific historical realities of European colonialism: the European case studies present similarities and differences in their imperial systems, and in the way in which science was used in relation

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to the level at which they interacted intellectually with the indigenous populations. As these were relationships of interdependence, science certainly helped to purvey solutions that were required by the imperial governments. However, it could equally well provide the basis for an institution of knowledge that was used by the colonized to create forms of civil disobedience ranging up to open resistance to the colonial power. Life sciences, natural history, and the 'non-exact' sciences could be incorporated within the colonial sciences by assimilation and transformation. This process helps us to comprehend the complex character of the interaction between Europe and the colonial world which is a major concern of the present volume. Its agenda lies in engaging with both the European perspective and the viewpoints of colonial life, thus embodying the historiographical concept of 'entangled histories'. It was in the process of these multiple engagements between (1) Europeans and the colonial world, and (2) European scientists at home and abroad that colonial science emerged and developed. Certain features and legacies of modern imperial science are brought together as key elements not only of Western imperialism, but of a global intelligence system.

The Struggle for Power in Early Modern Europe

Controversy over the role of human activity in causing climate change is pervasive in contemporary society. But, as Anya Zilberstein shows in this work, debates about the politics and science of climate are nothing new. Indeed, they began as early as the settlement of English colonists in North America, well before the age of industrialization. In the seventeenth and eighteenth centuries, many early Americans believed that human activity and population

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growth were essential to moderating the harsh extremes of cold and heat in the New World. In the preindustrial British settler colonies in particular, it was believed that the right kinds of people were agents of climate warming and that this was a positive and deliberate goal of industrious activity, rather than an unintended and lamentable side effect of development. *A Temperate Empire* explores the ways that colonists studied and tried to remake local climates in New England and Nova Scotia according to their plans for settlement and economic growth. For colonial officials, landowners, naturalists, and other elites, the frigid, long winters and short, muggy summers were persistent sources of anxiety. These early Americans became intensely interested in reimagining and reducing their vulnerability to the climate. Linking climate to race, they assured would-be migrants that hardy Europeans were already habituated to the severe northern weather and Caribbean migrants' temperaments would be improved by it. Even more, they drew on a widespread understanding of a reciprocal relationship between a mild climate and the prosperity of empire, promoting the notion that land cultivation and the expansion of colonial farms would increasingly moderate the climate. One eighteenth-century naturalist observed that European settlement and industry had already brought about a "more temperate, uniform, and equal" climate worldwide—a forecast of a permanent, global warming that was wholeheartedly welcomed. Illuminating scientific arguments that once celebrated the impact of economic activities on environmental change, *A Temperate Empire* showcases an imperial, colonial, and early American history of climate change.

The Age of Intoxication

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This collection of essays assesses the interrelationship between exploration, empire-building and science in the opening up of the Pacific Ocean by Europeans between the early 16th and mid-19th century. It explores both the role of various sciences in enabling European imperial projects in the region, and how the exploration of the Pacific in turn shaped emergent scientific disciplines and their claims to authority within Europe. Drawing on a range of disciplines (from the history of science to geography, imperial history to literary criticism), this volume examines the place of science in cross-cultural encounters, the history of cartography in Oceania, shifting understandings of race and cultural difference in the Pacific, and the place of ships, books and instruments in the culture of science. It reveals the exchanges and networks that connected British, French, Spanish and Russian scientific traditions, even in the midst of imperial competition, and the ways in which findings in diverse fields, from cartography to zoology, botany to anthropology, were disseminated and crafted into an increasingly coherent image of the Pacific, its resources, peoples, and histories. This is a significant body of scholarship that offers many important insights for anthropologists and geographers, as well as for historians of science and European imperialism.

Healers and Empires in Global History

Janello Torriani, or Juanelo Turriano (Cremona, ca. 1500 – Toledo, 1585), is the greatest—though forgotten—among Renaissance inventors and constructors of machines. His story is foundational for the understanding of the roots of the Scientific and the Industrial Revolutions.

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Science and Empire in the Atlantic World

As Spain colonized the Americas during the sixteenth century, Spanish soldiers, bureaucrats, merchants, adventurers, physicians, ship pilots, and friars explored the natural world, gathered data, drew maps, and sent home specimens of America's vast resources of animals, plants, and minerals. This amassing of empirical knowledge about Spain's American possessions had two far-reaching effects. It overturned the medieval understanding of nature derived from Classical texts and helped initiate the modern scientific revolution. And it allowed Spain to commodify and control the natural resources upon which it built its American empire. In this book, Antonio Barrera-Osorio investigates how Spain's need for accurate information about its American colonies gave rise to empirical scientific practices and their institutionalization, which, he asserts, was Spain's chief contribution to the early scientific revolution. He also conclusively links empiricism to empire-building as he focuses on five areas of Spanish activity in America: the search for commodities in, and the ecological transformation of, the New World; the institutionalization of navigational and information-gathering practices at the Spanish Casa de la Contratación (House of Trade); the development of instruments and technologies for exploiting the natural resources of the Americas; the use of reports and questionnaires for gathering information; and the writing of natural histories about the Americas.

Einstein's Clocks, Poincare's Maps: Empires of Time

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Scholars have long argued over whether the 1648 Peace of Westphalia, which ended more than a century of religious conflict arising from the Protestant Reformation, inaugurated the modern sovereign-state system. But they largely ignore a more fundamental question: why did the emergence of new forms of religious heterodoxy during the Reformation spark such violent upheaval and nearly topple the old political order? In this book, Daniel Nexon demonstrates that the answer lies in understanding how the mobilization of transnational religious movements intersects with--and can destabilize--imperial forms of rule. Taking a fresh look at the pivotal events of the sixteenth and seventeenth centuries--including the Schmalkaldic War, the Dutch Revolt, and the Thirty Years' War--Nexon argues that early modern "composite" political communities had more in common with empires than with modern states, and introduces a theory of imperial dynamics that explains how religious movements altered Europe's balance of power. He shows how the Reformation gave rise to crosscutting religious networks that undermined the ability of early modern European rulers to divide and contain local resistance to their authority. In doing so, the Reformation produced a series of crises in the European order and crippled the Habsburg bid for hegemony. Nexon's account of these processes provides a theoretical and analytic framework that not only challenges the way international relations scholars think about state formation and international change, but enables us to better understand global politics today.

Vernacular Industrialism in China

The remains of Roman roads are a powerful reminder of the travel and communications

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system that was needed to rule a vast and diverse empire. Yet few people have questioned just how the Romans - both military and civilians - travelled, or examined their geographical understanding in an era which offered a greatly increased potential for moving around, and a much bigger choice of destinations. This volume provides new perspectives on these issues, and some controversial arguments; for instance, that travel was not limited to the elite, and that maps as we know them did not exist in the empire. The military importance of transport and communication networks is also a focus, as is the imperial post system (*cursus publicus*), and the logistics and significance of transport in both conquest and administration. With more than forty photographs, maps and illustrations, this collection provides a new understanding of the role and importance of travel, and of the nature of geographical knowledge, in the Roman world,

Muslim Cosmopolitanism in the Age of Empire

Brian Carruthers has built one of the largest, most profitable downline teams in all of network marketing in the last decade. His success system helped his team grow to more than 350,000 distributors, including countless stories of lives being changed for the better by the incomes generated. Beyond the surface success of gaining wealth and living the dream lifestyle as an eight-figure income earner, Brian's alignment of personal goals with a greater purpose of helping to change lives has fueled his passion for this profession. Brian pours nearly 20 years of knowledge, experience, and wisdom from being in the field working with thousands of distributors into this groundbreaking book. Use it as your comprehensive manual/guidebook

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and you will save yourself from going down the wrong paths, avoid the pitfalls that stop many networkers in their journeys, and cut years off your learning curve. Applying the wisdom from this book will make you more effective, more profitable, and you will have more fun on your rise to the top while you are Building Your Empire!

Science, Empire and the European Exploration of the Pacific

The Victorian era heralded an age of transformation in which momentous changes in the field of natural history coincided with the rise of new visual technologies. Concurrently, different parts of the British Empire began to more actively claim their right to being acknowledged as indispensable contributors to knowledge and the progress of empire. This book addresses the complex relationship between natural history and photography from the 1850s to the 1880s in Britain and its colonies: Australia, New Zealand and, to a lesser extent, India. Coinciding with the rise of the modern museum, photography's arrival was timely, and it rapidly became an essential technology for recording and publicising rare objects and valuable collections. Also during this period, the medium assumed a more significant role in the professional practices and reputations of naturalists than has been previously recognized, and it figured increasingly within the expanding specialized networks that were central to the production and dissemination of new knowledge. In an interrogation that ranges from the first forays into museum photography and early attempts to document collecting expeditions to the importance of traditional and photographic portraiture for the recognition of scientific discoveries, this book not only recasts the parameters of what we actually identify as natural history photography in

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the Victorian era but also how we understand the very structure of empire in relation to this genre at that time.

Building an Empire (Next Level Edition)

Offering one of the first analyses of how networks of science interacted within the British Empire during the past two centuries, this volume shows how the rise of formalized state networks of science in the mid nineteenth-century led to a constant tension between administrators and scientists.

Science and Empire

In early twentieth-century China, Chen Diexian (1879–1940) was a maverick entrepreneur—at once a prolific man of letters and captain of industry, a magazine editor and cosmetics magnate. He tinkered with chemistry in his private studio, used local cuttlefish to source magnesium carbonate, and published manufacturing tips in how-to columns. In a rapidly changing society, Chen copied foreign technologies and translated manufacturing processes from abroad to produce adaptations of global commodities that bested foreign brands. Engaging in the worlds of journalism, industry, and commerce, he drew on literati practices associated with late-imperial elites but deployed them in novel ways within a culture of educated tinkering that generated industrial innovation. Through the lens of Chen's career,

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Eugenia Lean explores how unlikely individuals devised unconventional, homegrown approaches to industry and science in early twentieth-century China. She contends that Chen's activities exemplify "vernacular industrialism," the pursuit of industry and science outside of conventional venues, often involving ad hoc forms of knowledge and material work. Lean shows how vernacular industrialists accessed worldwide circuits of law and science and experimented with local and global processes of manufacturing to navigate, innovate, and compete in global capitalism. In doing so, they presaged the approach that has helped fuel China's economic ascent in the twenty-first century. Rather than conventional narratives that depict China as belatedly borrowing from Western technology, Vernacular Industrialism in China offers a new understanding of industrialization, going beyond material factors to show the central role of culture and knowledge production in technological and industrial change.

Empire and Communications

"Global" knowledge was constructed, communicated and contested during the long nineteenth century in numerous ways and places. This book focuses on the life-geographies, material practices and varied contributions to knowledge, be they medical or botanical, cartographic or cultural, of actors whose lives crisscrossed an increasingly connected world. Integrating detailed archival research with broader thematic and conceptual reflection, the individual case studies use local specificity to shed light on global structures and processes, revealing the latter to be lived and experienced phenomena rather than abstract historiographical categories. This volume makes an original and compelling contribution to a growing body of scholarship on

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the global history of knowledge. Given its wide geographic, disciplinary and thematic range this book will appeal to a broad readership including historical geographers and specialists in history of science and medicine, imperial history, museum studies, and book history.

Empire and Information

British knowledge about China changed fundamentally in the eighteenth and nineteenth centuries. Rather than treating these changes in British understanding as if Anglo-Sino relations were purely bilateral, this study looks at how British imperial networks in India and Southeast Asia were critical mediators in the British encounter of China.

The Nationalization of Scientific Knowledge in the Habsburg Empire, 1848-1918

At the start of the twenty-first century we are acutely conscious that universities operate within an entangled world of international scholarly connection. Now available in paperback, *Empire of scholars* examines the networks that linked academics across the colonial world in the age of 'Victorian' globalization. Stretching across the globe, these networks helped map the boundaries of an expansive but exclusionary 'British academic world' that extended beyond the borders of the British Isles. Drawing on extensive archival research conducted in the United Kingdom, Canada, Australia, New Zealand and South Africa, this book remaps the intellectual geographies of Britain and its empire. In doing so, it provides a new context for writing the

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history of ideas and offers a critical analysis of the connections that helped fashion the global world of universities today.

Slavery, Geography and Empire in Nineteenth-Century Marine Landscapes of Montreal and Jamaica

Empires of Knowledge charts the emergence of different kinds of scientific networks – local and long-distance, informal and institutional, religious and secular – as one of the important phenomena of the early modern world. It seeks to answer questions about what role these networks played in making knowledge, how information traveled, how it was transformed by travel, and who the brokers of this world were. Bringing together an international group of historians of science and medicine, this book looks at the changing relationship between knowledge and community in the early modern period through case studies connecting Europe, Asia, the Ottoman Empire, and the Americas. It explores a landscape of understanding (and misunderstanding) nature through examinations of well-known intelligencers such as overseas missions, trading companies, and empires while incorporating more recent scholarship on the many less prominent go-betweens, such as translators and local experts, which made these networks of knowledge vibrant and truly global institutions. Empires of Knowledge is the perfect introduction to the global history of early modern science and medicine.

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Empire and mobility in the long nineteenth century

Slavery, Geography and Empire in Nineteenth-Century Marine Landscapes of Montreal and Jamaica is among the first Slavery Studies books - and the first in Art History - to juxtapose temperate and tropical slavery. Charmaine A. Nelson explores the central role of geography and its racialized representation as landscape art in imperial conquest. One could easily assume that nineteenth-century Montreal and Jamaica were worlds apart, but through her astute examination of marine landscape art, the author re-connects these two significant British island colonies, sites of colonial ports with profound economic and military value. Through an analysis of prints, illustrated travel books, and maps, the author exposes the fallacy of their disconnection, arguing instead that the separation of these colonies was a retroactive fabrication designed in part to rid Canada of its deeply colonial history as an integral part of Britain's global trading network which enriched the motherland through extensive trade in crops produced by enslaved workers on tropical plantations. The first study to explore James Hakewill's Jamaican landscapes and William Clark's Antigua genre studies in depth, it also examines the Montreal landscapes of artists including Thomas Davies, Robert Sproule, George Heriot and James Duncan. Breaking new ground, Nelson reveals how gender and race mediated the aesthetic and scientific access of such - mainly white, male - artists. She analyzes this moment of deep political crisis for British slave owners (between the end of the slave trade in 1807 and complete abolition in 1833) who employed visual culture to imagine spaces free of conflict and to alleviate their pervasive anxiety about slave resistance. Nelson explores how vision and cartographic knowledge translated into authority, which allowed

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colonizers to 'civilize' the terrains of the so-called New World, while belying the oppression of slavery and indigenous displacement.

Asian Empire and British Knowledge

Science and Empire in the Atlantic World is the first book in the growing field of Atlantic Studies to examine the production of scientific knowledge in the Atlantic world from a comparative and international perspective. Rather than focusing on a specific scientific field or single national context, this collection captures the multiplicity of practices, people, languages, and agendas that characterized the traffic in knowledge around the Atlantic world, linking this knowledge to the social processes fundamental to colonialism, such as travel, trade, ethnography, and slavery.

Travel and Geography in the Roman Empire

Rachel Laudan tells the remarkable story of the rise and fall of the world's great cuisines—from the mastery of grain cooking some twenty thousand years ago, to the present—in this superbly researched book. Probing beneath the apparent confusion of dozens of cuisines to reveal the underlying simplicity of the culinary family tree, she shows how periodic seismic shifts in culinary philosophy—beliefs about health, the economy, politics, society and the gods—prompted the construction of new cuisines, a handful of which, chosen as the cuisines of

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empires, came to dominate the globe. *Cuisine and Empire* shows how merchants, missionaries, and the military took cuisines over mountains, oceans, deserts, and across political frontiers. Laudan's innovative narrative treats cuisine, like language, clothing, or architecture, as something constructed by humans. By emphasizing how cooking turns farm products into food and by taking the globe rather than the nation as the stage, she challenges the agrarian, romantic, and nationalistic myths that underlie the contemporary food movement.

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