

# NATURE'S MUSEUMS VICTORIAN SCIENCE AND THE ARCHITECTURE OF DISPLAY

1851 1852 1853 1854 1855 1856 1857 1858 1859 1860



# Natures Museums

**Felix Driver ,Mark Nesbitt,Caroline  
Cornish**

## **Natures Museums:**

**Nature's Museums** Carla Yanni, 2005-09-09 Yanni art history Rutgers U examines the relationship between architecture and science in the 19th century by considering the physical placement and display of natural artifacts in Victorian natural history museums She begins by discussing the problem of classification the social history of collecting as well as architectural competitions and

**Museums in Motion** Edward P. Alexander, Mary Alexander, 2008 In 1979 Edward P. Alexander's *Museums in Motion* was hailed as a much needed addition to the museum literature In combining the history of museums since the eighteenth century with a detailed examination of the function of museums and museum workers in modern society it served as an essential resource for those seeking to enter to the museum profession and for established professionals looking for an expanded understanding of their own discipline Now Mary Alexander has produced a newly revised edition of the classic text bringing it the twenty first century with coverage of emerging trends resources and challenges New material also includes a discussion of the children's museum as a distinct type of institution and an exploration of the role computers play in both outreach and traditional in person visits

**Photography, Natural History and the Nineteenth-Century Museum** Kathleen Davidson, 2017-12-02 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 the Victorian era but also how we understand the very structure of empire in relation to this genre at that time

**Reshaping Museum Space** Suzanne Macleod, 2005 *Reshaping Museum Space* pulls together the views of an international group of museum professionals architects designers and academics highlights the complexity significance and malleability of museum space and provides reflections upon recent developments in museum architecture and exhibition design Various chapters concentrate on the process of architectural and spatial reshaping and the problems of navigating the often contradictory agendas and aspirations of the broad range of professionals and stakeholders involved in any new project Contributors

review recent new build expansion and exhibition projects questioning the types of museum space required at the beginning of the twenty first century and highlighting a range of possibilities for creative museum design Essential reading for anyone involved in creating designing and project managing the development of museum exhibits and vital reading for students of the discipline

**Modern Nature** Lynn K. Nyhart, 2009-08-01 In *Modern Nature* Lynn K Nyhart traces the emergence of a biological perspective in late nineteenth century Germany that emphasized the dynamic relationships among organisms and between organisms and their environment Examining this approach to nature in light of Germany's fraught urbanization and industrialization as well the opportunities presented by new and reforming institutions she argues that rapid social change drew attention to the role of social relationships and physical environments in rendering a society and nature whole functional and healthy This quintessentially modern view of nature Nyhart shows stood in stark contrast to the standard naturalist's orientation toward classification While this new biological perspective would eventually grow into the academic discipline of ecology *Modern Nature* locates its roots outside the universities in a vibrant realm of populist natural history inhabited by taxidermists and zookeepers schoolteachers and museum reformers amateur enthusiasts and nature protectionists Probing the populist beginnings of animal ecology in Germany Nyhart unites the history of popular natural history with that of elite science in a new way In doing so she brings to light a major orientation in late nineteenth century biology that has long been eclipsed by Darwinism

**Science Museums in Transition** Carin Berkowitz, Bernard Lightman, 2017-07-19 The nineteenth century witnessed a dramatic shift in the display and dissemination of natural knowledge across Britain and America from private collections of miscellaneous artifacts and objects to public exhibitions and state sponsored museums The science museum as we know it an institution of expert knowledge built to inform a lay public was still very much in formation during this dynamic period *Science Museums in Transition* provides a nuanced comparative study of the diverse places and spaces in which science was displayed at a time when science and spectacle were still deeply intertwined when leading naturalists curators and popular showmen were debating both how to display their knowledge and how and whether they should profit from scientific work and when ideals of nationalism class politics and democracy were permeating the museum's walls Contributors examine a constellation of people spaces display practices experiences and politics that worked not only to define the museum but to shape public science and scientific knowledge Taken together the chapters in this volume span the Atlantic exploring private and public museums short and long term exhibitions and museums built for entertainment education and research and in turn raise a host of important questions about expertise and about who speaks for nature and for history

*Nature and culture* Samuel J. M. M. Alberti, 2017-10-03 This is a vital new work the first to take the University of Manchester's Museum as its subject By setting the museum in its cultural and intellectual contexts *Nature and culture* explores twentieth century collecting and display and the status of the object in the modern world Beginning with the origins of the Manchester Museum accounting for its development as an

internationally renowned university museum and concluding at its major expansion at the turn of the millennium this book casts new light on the history of museums How did objects become knowledge Who encountered museum objects on their way to museums What happened to collections within the museum How did visitors use and respond to objects In answering these questions Nature and culture illuminates not only the history of one institution but also contributes to wider

discussions in the history of science cultural history and museology **Dynamic Aspects Of Natural Products Chemistry**

Takeshi Ogura, 1997-11-21 Preface Natural products chemistry has a long history and could be regarded as having its roots in the use of many kinds of herbal mixtures as crude drugs in traditional medicine Systems of traditional medicine have been practiced in China and Japan for thousands of years and virtually all regions of the world have used natural materials to treat human disease It was clear that many plants herbs etc contain components with powerful biological activities The dawn of modern natural products chemistry began with the isolation of the active component morphine from opium Subsequently various alkaloids were isolated from medicinal plants and employed clinically The discovery and the development of penicillin as a microbial metabolite opened up the era of antibiotics which have saved countless lives in the past half century or so The isolation and synthesis of steroid hormones resulted in the development of new concepts in molecular stereochemistry and organic synthetic techniques as did the discovery of bioactive lipids such as prostaglandins and leukotrienes bioactive peptides such as enkephalins and endorphins and oligosaccharides including glycoproteins Further the discovery of plant hormones has led to great strides in plant biotechnology including plant tissue cultures and derivatives of insect hormones and pheromones are now used as pesticides Thus applications of natural products chemistry have become all pervasive in modern society Apart from the extensive practical applications of natural products and their derivatives natural products chemistry has played a central role in the development of modern organic chemistry as a result of its focus on structural and synthetic studies of often highly complex and inaccessible molecules Biosynthetic studies have also attracted much attention aiming to answer the questions of why and how such a large number and variety of compounds are synthesised by organisms Researchers in the field of biosynthesis first focused on elucidation of the pathways of secondary metabolism and then on the mechanisms of the enzymes catalyzing the biosynthetic reactions This was an extremely difficult task because rather large amounts of enzymes are required for the investigation of reaction mechanisms and the enzyme proteins are often unstable and not easy to purify However in recent years the development of molecular biology has made gene and protein engineering rather routine Thus studies of mechanistic enzymology can now be conducted with cloned and overexpressed enzyme proteins It has been shown that the enzymes responsible for the biosynthesis of antibiotics in *Streptomyces* spp are encoded in gene clusters Further cloning and functional analysis of the genes associated with flavonoid biosynthesis should soon cast light on the interesting question of why flavonoids are ubiquitously present in plant leaves Life is maintained not only by large molecules such as proteins and nucleic acids but also by many small molecules which have essential and diverse roles

in the physiology of living organisms Such compounds often have highly specific interactions with target receptors but the mechanisms involved largely remain to be explored Current methodology means that this task can be addressed and this in turn should lead to a host of new applications for natural products and their derivatives The key may be an interdisciplinary approach taking account of both biological function and molecular behaviour based on precise structure recognition As we increasingly understand the mechanisms of molecular recognition that operate in nature many possibilities should open up for artificial control or modification of biological functions as well as new challenges for synthetic organic chemists Our intention in this book is to focus on such dynamic aspects of natural products chemistry By dealing in detail with representative topics to which the most modern techniques of research have been applied we hope to emphasize the value of combining traditional approaches to natural products chemistry with current biochemical and molecular biological ideas Each chapter provides sufficient background information and experimental detail to make the subject accessible to non specialists It is our hope that these examples of recent progress in key areas of natural products chemistry will stimulate work in related topics by illustrating the power of a modern interdisciplinary approach to the subject

*Monumental Jesus* Margaret M. Grubiak, 2020-02-11 The American landscape is host to numerous works of religious architecture sometimes questionable in taste and large if not titanic in scale In her lively study of satire and religious architecture Margaret Grubiak challenges how we typically view such sites by shifting the focus from believers to doubters and from producers to consumers Grubiak considers an array of sacred architectural constructions from Touchdown Jesus at the University of Notre Dame to the Wizard of Oz Mormon temple outside Washington D C to the renamed Gumby Jesus of the Christ of the Ozarks statue in Eureka Springs Arkansas and how such constructions are confronted by the doubt and dismissiveness articulated by the more skeptical of their viewers These responses of doubt activate our religious built environment in ways unanticipated but illuminating asking us at times forcefully to consider and clarify what it is we believe Opening up new avenues of thinking about how people deal with theological questions in the vernacular Grubiak's book shows how religious doubt is made manifest in the humorous satirical blasphemous and popular culture responses to religious architecture and image in modern America

*Midcentury Architecture Landscape Urbanism and Design* Communities of Science in Nineteenth-Century Ireland Juliana Adelman, 2015-10-06 Adelman challenges historians to reassess the relationship between science and society showing that the unique situation in Victorian Ireland can nonetheless have important implications for wider European interpretations of the development of this relationship during a period of significant change

*Natural History* Ross J. Wilson, 2017-08-07 The concept of natural heritage has become increasingly significant with the threat of dwindling resources environmental degradation and climatic change As humanity's impact on the condition of life on earth has become more prominent a discernible shift in the relationship between western society and the environment has taken place This is reflective of wider historical processes which reveal a constantly changing association between humanity's definition and

perception of what nature constitutes or what can be defined as natural From the ornate collections of specimens which formed the basis of a distinct concept of nature emerging during the Enlightenment this definition and the wider relationship between humanity and natural history have reflected issues of identity place and politics in the modern era This book examines this process and focuses on the ideas values and agendas that have defined the representation and reception of the history of the natural world including geology and palaeontology within contemporary society addressing how the heritage of natural history whether through museums parks tourist sites or popular culture is used to shape social political cultural and moral identities It will be of interest to scholars and practitioners within heritage studies public history ecology environmental studies and geography

**A Companion to Museum Studies** Sharon Macdonald, 2011-08-24 A Companion to Museum Studies captures the multidisciplinary approach to the study of the development roles and significance of museums in contemporary society Collects first rate original essays by leading figures from a range of disciplines and theoretical stances including anthropology art history history literature sociology cultural studies and museum studies Examines the complexity of the museum from cultural political curatorial historical and representational perspectives Covers traditional subjects such as space display buildings objects and collecting and more contemporary challenges such as visiting commerce community and experimental exhibition forms

**Museum Skepticism** David Carrier, 2006-05-31 DIV Prominent art historian looks at the birth of the art museum and contemplates its future as a public institution div

**The Museum** Owen Hopkins, 2021-11-23 Packed with stunning imagery and featuring the world's most celebrated cultural institutions architectural historian and museum curator Owen Hopkins looks at the fascinating history of The Museum

**Mobile Museums** Felix Driver, Mark Nesbitt, Caroline Cornish, 2021-04-19 Mobile Museums presents an argument for the importance of circulation in the study of museum collections past and present It brings together an impressive array of international scholars and curators from a wide variety of disciplines including the history of science museum anthropology and postcolonial history to consider the mobility of collections The book combines historical perspectives on the circulation of museum objects in the past with contemporary accounts of their re mobilisation notably in the context of Indigenous community engagement Contributors seek to explore processes of circulation historically in order to re examine inform and unsettle common assumptions about the way museum collections have evolved over time and through space By foregrounding questions of circulation the chapters in Mobile Museums collectively represent a fundamental shift in the understanding of the history and future uses of museum collections The book addresses a variety of different types of collection including the botanical the ethnographic the economic and the archaeological Its perspective is truly global with case studies drawn from South America West Africa Oceania Australia the United States Europe and the UK Mobile Museums helps us to understand why the mobility of museum collections was a fundamental aspect of their history and why it continues to matter today Praise for Mobile Museums This book advances a paradigm shift in studies of museums and

collections A distinguished group of contributors reveal that collections are not dead assemblages The nineteenth and twentieth centuries were marked by vigorous international traffic in ethnography and natural history specimens that tell us much about colonialism travel and the history of knowledge and have implications for the remobilisation of museums in the future Nicholas Thomas University of Cambridge The first major work to examine the implications and consequences of the migration of materials from one scientific or cultural milieu to another it highlights the need for a more nuanced understanding of collections and offers insights into their potential for future re mobilisation Arthur MacGregor

**Museums and empire** John M. MacKenzie, 2017-03-01 Museums and Empire is the first book to examine the origins and development of museums in six major regions of the British Empire in the nineteenth and twentieth centuries It analyses museum histories in thirteen major centres in Canada South Africa Australia New Zealand India and South East Asia setting them into the economic and social contexts of the cities and colonies in which they were located Written in a lively and informative style it also touches upon the history of many other museums in Britain and other territories of the Empire A number of key themes emerge from its pages the development of elites within colonial towns and cities the emergence of the full range of cultural institutions associated with this and the reception and modification of the key scientific ideas of the age It will be essential reading for students and academics concerned with museum studies and imperial history and to a wider public devoted to the cause of museums and heritage

**Redisplaying Museum Collections** Hannah Paddon, 2016-04-08 This is the first book to examine in depth the multi million pound redisplay and reinterpretation process in British museums in the early twenty first century Acknowledging the importance of the Heritage Lottery Fund HLF as project catalyst Hannah Paddon explains and explores the complex process from the initial stages of project conceptualisation to the final stages of museum re opening and exhibition evaluation She also provides an in depth look using three case study museums at the factors which shape each museum redisplay project including topics such as museum architecture government agendas and the exhibition team Finally the book offers discussions and conclusions around pitfalls and successes and thoughts about the future of collection redisplay

Assembling the Dinosaur Lukas Rieppel, 2023-01-18 A lively account of the dinosaur's role in Gilded Age America examining the connection between business paleontology and museums Although dinosaur fossils were first found in England a series of dramatic discoveries during the late 1800s turned North America into a world center for vertebrate paleontology At the same time the United States emerged as the world's largest industrial economy and creatures like Tyrannosaurus Brontosaurus and Triceratops became emblems of American capitalism Large fierce and spectacular American dinosaurs dominated the popular imagination making front page headlines and appearing in feature films Assembling the Dinosaur follows dinosaur fossils from the field to the museum and into the commercial culture of North America's Gilded Age Business tycoons like Andrew Carnegie and J P Morgan made common cause with vertebrate paleontologists to capitalize on the widespread appeal of dinosaurs using them to project American exceptionalism back into



prehistory Learning from the show stopping techniques of P T Barnum museums exhibited dinosaurs to attract entertain and educate the public By assembling the skeletons of dinosaurs into eye catching displays wealthy industrialists sought to cement their own reputations as generous benefactors of science showing that modern capitalism could produce public goods in addition to profits Behind the scenes museums adopted corporate management practices to control the movement of dinosaur bones restricting their circulation to influence their meaning and value in popular culture Tracing the entwined relationship of dinosaurs capitalism and culture during the Gilded Age Lukas Rieppel reveals the outsized role these giant reptiles played during one of the most consequential periods in American history Praise for Assembling the Dinosaur A penetrating study of legitimacy and capitalism in the realm of fossils Verlyn Klinkenborg The New York Review of Books A solid entry into the growing body of literature on Gilded Age American paleontology but it is particularly valuable for its contribution to enhancing our understanding of how science and its representation during that period were influenced by and in turn affected society as a whole By incorporating cultural economic and scientific developments Rieppel shines new light on the history of both American paleontology and museum exhibition practice Ilja Nieuwland Science Biennial Report on the Illinois State Museum of Natural History Illinois State Museum,1912 Catalogue of the Library of the Illinois State Museum of Natural History Report for 1909 10 *The Value and Valuation of Natural Science Collections* John R. Nudds,Charles William Pettitt,1997

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