

Animal Architects Building And The Evolution Of Intelligence

The city includes opportunities as well as constraints for humans and other animals alike. Urban animals are often subjected to complaints; they transgress geographical, legal as and cultural ordering systems, while roaming the city in what is often perceived as uncontrolled ways. But they are also objects of care, conservation practices and bio-political interventions. What then, are the "more-than-human" experiences of living in a city? What does it mean to consider spatial formations and urban politics from the perspective of human/animal relations? This book draws on a number of case studies to explore urban controversies around human/animal relations, in particular companion animals: free ranging dogs, homeless and feral cats, urban animal hoarding and "crazy cat ladies". The book explores 'zoocities', the theoretical framework in which animal studies meet urban studies, resulting in a reframing of urban relations and space. Through the expansion of urban theories beyond the human, and the resuscitation of sociological theories through animal studies literature, the book seeks to uncover the phenomenon of 'humanimal crowding', both as threats to be policed, and as potentially subversive. In this book, a number of urban controversies and crowding technologies are analysed, finally pointing at alternative modes of trans-species urban politics through the promises of humanimal crowding - of proximity and collective agency. The exclusion of animals may be an urban ideology, aiming at social order, but close attention to the level of practice reveals a much more diverse, disordered, and perhaps disturbing experience. The aim of this book is to expand the subject and matter of architecture, and to explore their interdependence. There are now many architectures. This book acknowledges architecture far beyond the familiar boundaries of the discipline and reassesses the object at its centre: the building. Architectural matter is not always physical or building fabric. It is whatever architecture is made of, whether words, bricks, blood cells, sounds or pixels. The fifteen chapters are divided into three sections - on buildings, spaces and bodies - which each deal with a particular understanding of architecture and architectural matter. The richness and diversity of subjects and materials discussed in this book locates architecture firmly in the world as a whole, not just the domain of architects. In stating that architecture is far more than the work of architects, this book aims not to deny the importance of architects in the production of architecture but to see their role in more balanced terms and to acknowledge other architectural producers. Architecture can, for example, be found in the incisions of a surgeon, the instructions of a choreographer or the movements of a user. Architecture can be made of anything and by anyone.

An inspiring, surprising, and fun collection of contemporary design for pets of different shapes, sizes, breeds, and species. The perfect book for design-conscious pet owners and animal lovers alike, Pet-ecture presents an irresistible assortment

of hundreds of houses and objects by the world's leading designers, created with our furred and feathered friends in mind - from cats and dogs to birds, rabbits, horses, fish, mice, guinea pigs - even kangaroos and turtles! Whether it's playful cat trees, concrete dog homes, luxury chicken coops, 3D-printed fish tanks, or a dog-shaped cat scratcher, Pet-ecture has the incredible range of design for animals covered. This compact and portable book includes works by some of the biggest names in global architecture and design, including Nendo, Kenya Hara, Sou Fujimoto, MAD Architects, Kengo Kuma, and Shigeru Ban. From the publisher of Nanotecture and Mobitecture.

Providing the most comprehensive source available, this book surveys the state of the art in artificial intelligence (AI) as it relates to architecture. This book is organized in four parts: theoretical foundations, tools and techniques, AI in research, and AI in architectural practice. It provides a framework for the issues surrounding AI and offers a variety of perspectives. It contains 24 consistently illustrated contributions examining seminal work on AI from around the world, including the United States, Europe, and Asia. It articulates current theoretical and practical methods, offers critical views on tools and techniques, and suggests future directions for meaningful uses of AI technology. Architects and educators who are concerned with the advent of AI and its ramifications for the design industry will find this book an essential reference.

North Carolina's black bears were once a threatened species, but now their numbers are rising in and around Asheville. But what happens when conservation efforts for a species are so successful that there's a boom in the population? Can humans and bears live compatibly? What are the long-term effects for the bears? Author Amy Cherrix follows the scientists who, in cooperation with local citizen scientists, are trying to answer to these questions and more. Part field science, part conservation science, *Backyard Bears* looks at black bears—and other animals around the globe—who are rapidly becoming our neighbors in urban and suburban areas. What happens when conservation efforts for a species are so successful that there's a boom in the population? Part field science, part conservation science, *Backyard Bears* looks at black bears—and other animals around the globe—who are rapidly becoming our neighbors in urban and suburban areas. North Carolina's black bears were once a threatened species, but now their numbers are rising in and around Asheville. Can humans and bears live compatibly? What are the long-term effects for the bears? Author Amy Cherrix follows the scientists who, in cooperation with local citizens, are trying to answer to these questions and more.

Architecture is conventionally seen as being synonymous with building. In contrast, this book introduces and defines a new category - the unbuildable. The unbuildable involves projects that are not just unbuilt, but cannot be built. This distinct form of architectural project has an important and often surprising role in architectural discourse, working not in opposition to the buildable, but frequently complementing it. Using well-known examples of early Soviet architecture – Tatlin's Tower in particular – Nerma Cridge demonstrates the relevance of the unbuildable, how it relates to current

notions of seriality, copying and reproduction, and its implications for contemporary practice and discourse in the computational age. At the same time it offers a fresh view of our preconceptions and expectations of early Soviet architecture and the Constructivist Movement.

Construction behaviour occurs across the entire spectrum of the animal kingdom and affects the survival of both builders and other organisms associated with them. Animal Architecture provides a comprehensive overview of the biology of animal building. The book recognizes three broad categories of built structure: homes, traps, and courtship displays. Even though some of these structures are complex and very large, the behaviour required to build them is generally simple and the anatomy for building unspecialized. Standardization of building materials helps to keep building repertoires simple, while self-organizing effects help create complexity. In a case-study approach to function, insects demonstrate how homes can remain operational while they grow, spiderwebs illustrate mechanical design, and the displays of bowerbirds raise the possibility of persuasion through design rather than just decoration. Studies of the costs to builders provide evidence of optimal designs and of trade-offs with other life history traits. As ecosystem engineers, the influence of builders is extensive and their effect is generally to enhance biodiversity through niche construction. Animal builders can therefore represent model species for the study of the emerging subject of environmental inheritance. Building, and in particular building with silk, has been demonstrated to have important evolutionary consequences. This book is intended for students and researchers in comparative animal biology, but will also be of relevance and use to the increasing numbers of architects and civil engineers interested in developing ideas from the animal kingdom.

In this completely redesigned follow-up to the successful *Building A Dream*, readers will get a look at the architecture and the ideas and stories behind the structures which have been designed by some of the most renowned contemporary architects--Robert Venturi, Robert A. M. Stern, Arata Isozaki, Frank Gehry, Aldo Rossi, and Michael. Disney has set new standards for postmodern architecture and has become one of its leading patrons anywhere in the world. The resulting projects, which include quirky, fantastic theme parks, hotels, resorts, movie studios, and offices, are evidence of how Disney's long-standing use of popular, often surreal, imagery and iconography has been absorbed into the architects' styles. This stunning oversize and collectible volume will feature original architectural drawings and superb color photographs of the projects alongside an expertly written text that incorporates extensive interviews with the architects and executives involved.

Rural escapes for those yearning for a simpler existence, by the creators of the wildly popular Instagram account Cabin Porn. Created by a group of friends who preserve 55 acres of hidden forest in Upstate New York, Cabin Porn began as a scrapbook to collect inspiration for their building projects. As the collection grew, the site attracted a following, which is

now a huge and obsessive audience. The site features photos of the most remarkable handmade homes in the backcountry of America and all over the world. It has had over 10 million unique visitors, with 450,000 followers on Instagram. Now Zach Klein, the creator of the site (and a co-founder of Vimeo) goes further into the most alluring images from the site and new getaways, including more interior photography and how-to advice for setting up a quiet place somewhere. With their idyllic settings, unique architecture, and cozy interiors, the Cabin Porn photographs are an invitation to slow down, take a deep breath, and feel the beauty and serenity that nature and simple construction can create.

The Future of Modular Architecture presents an unprecedented proposal for mass-customized mid- and high-rise modular housing that can be manufactured and distributed on a global scale. Advocating for the adoption of open-source design based on a new modular standard, the book shows how the construction industry and architectural practice may soon be radically reshaped. By leveraging the existing intermodal freight transport system, global supply chains can be harnessed to realize the long-held promise that housing will be a well-designed and affordable industrial product. We are on the cusp of a transformative change in the way we design and build our cities. Author David Wallance argues that modular architecture is profoundly intertwined with globalization, equitable urbanism, and sustainable development. His book addresses these timely issues through a specific approach grounded in fundamental concepts. Going beyond the individual modular building, Wallance forecasts the emergence of a new type of design, manufacturing, and construction enterprise. Written in an approachable style with illustrated examples, the book is a must read for professionals in architecture and design, city planning, construction, real estate, as well as the general reader with an interest in these topics.

Fans of American history and the hit Broadway play are sure to enjoy the true story of Founding Father Alexander Hamilton in this Level 3 biographical Reader from National Geographic Kids. Learn all about the revolutionary life of one of America's most popular historic figures. Level 3 text provides accessible yet wide-ranging information for fluent readers. The expert-vetted text, brilliant photos, and fun approach to reading are a winning formula with kids, parents, and educators.

Architecture and Revolution explores the consequences of the 1989 revolutions in Central and Eastern Europe from an architectural perspective. It presents new writings from a team of renowned architects, philosophers and cultural theorists from both the East and the West. They explore the questions over the built environment that now face architects, planners and politicians in the region. They examine the problems of buildings inherited from the communist era: some are environmentally inadequate, many were designed to serve a now redundant social programme and others carry the

stigma of association with previous regimes. Contributors include: Daniel Libeskind, Bernard Tschumi, Laura Mulvey, Helene Cixous, Andrew Benjamin and Frederic Jameson.

All kinds of animals build awesome homes in or near the water. From beavers to coral, many animals have interesting ways of building. Find out why these amazing animals build and how they do it. Bring augmented reality to your students by downloading the free Capstone 4D app and scanning for access to an online article, video, and discussion questions. Explores a variety of animal habitats, proving that nature has many talented architects.

This book looks at specific instances in the Renaissance, Enlightenment and our own time when architectural ideas and ideas of biological life come into close proximity with each other. These convergences are fascinating and complex, offering new insights into architecture and its role. Establishing architecture as a product of the ascendancy of the position of human life, the author shows here that while architecture is dependent on life forces for its existence, at the same time it must be, at some level, indifferent to the life within it. Life, for its part, privileges itself above all else, and seeks to continuously expand its field of expression. This, then, is the asymmetrical condition, and to understand it is to gain important new theoretical perspectives into the nature of architecture.

Offers architects and creative services professionals exclusive insights and strategies for success from the former CEO of HOK. *Designing a World Class Architecture Firm: The People, Stories and Strategies Behind HOK* tells the history of one of the largest design firms in the world and draws lessons from it that can help other architects, interior designers, urban planners and creative services professionals grow bigger or better. Former HOK CEO Patrick MacLeamy shares the revolutionary strategies HOK's founders deployed to create a brand-new type of architecture firm. He pulls no punches, revealing the triple crisis that almost bankrupted HOK and describes how any firm can survive and thrive. *Designing a World Class Architecture Firm* tells the inside story of many of HOK's most iconic buildings, including the National Air and Space Museum, Moscone Convention Center, Oriole Park at Camden Yards, the Houston Galleria and the reimaged LaGuardia Airport. Each chapter conveys lessons learned from HOK's successes—and failures—including: The importance of diversifying to depression-and-recession-proof your firm The benefit of organizing your firm around specialized leaders and project types The difference between leading and managing your people The value of simple financial metrics to ensure your firm's health and profitability The "run toward trouble" strategy which prevents problems from ballooning MacLeamy delivers his advice via inspirational stories such as how HOK survived when its home office in St. Louis went up in flames and humorous stories, like the time an HOK executive was mistaken for royalty on a trip to Saudi Arabia. In this tell-all guide, the driven architecture or design professional will find the tools needed to evolve or grow any firm.

Explore the remarkable homes built by animal architects! Beavers create complex structures to meet their needs, just like people do. Each beaver family builds a dam in a river or creek in order to make a pond. The furry engineers then build a lodge out of branches, logs, and mud in the middle of the pond. They stay safe and warm in a large room above the water in their lodge. Jaw-dropping photos, a habitat map, and fascinating information will captivate young readers as they learn about these truly spectacular animal towns.

This pocket book includes everyday information which the architect/designer has to find from a wide variety of sources.

The book includes data about planning, structure, services, building elements, materials and useful addresses.

Birds are the most consistently inventive builders, and their nests set the bar for functional design in nature. Avian Architecture describes how birds design, engineer, and build their nests, deconstructing all types of nests found around the world using architectural blueprints and detailed descriptions of the construction processes and engineering techniques birds use. This spectacularly illustrated book features 300 full-color images and more than 35 case studies that profile key species worldwide. Each chapter covers a different type of nest, from tunnel nests and mound nests to floating nests, hanging nests, woven nests, and even multiple-nest avian cities. Other kinds of avian construction--such as bowers and harvest wells--are also featured. Avian Architecture includes intricate step-by-step sequences, visual spreads on nest-building materials and methods, and insightful commentary by a leading expert. Illustrates how birds around the world design, engineer, and build their nests Features architectural blueprints, step-by-step sequences, visual spreads on nest-building materials and methods, and expert commentary Includes 300 full-color images Covers more than 100 bird species worldwide

A colorful, magical tale set during the height of the Ottoman Empire, from the acclaimed author of *The Island of Missing Trees* (a Reese's Book Club Pick) Chosen for Camilla, Duchess of Cornwall's "Reading Room" Book Club In this novel, Turkey's preeminent female writer spins an epic tale spanning nearly a century in the life of the Ottoman Empire. In 1540, twelve-year-old Jahan arrives in Istanbul. As an animal tamer in the sultan's menagerie, he looks after the exceptionally smart elephant Chota and befriends (and falls for) the sultan's beautiful daughter, Princess Mihrimah. A palace education leads Jahan to Mimar Sinan, the empire's chief architect, who takes Jahan under his wing as they construct (with Chota's help) some of the most magnificent buildings in history. Yet even as they build Sinan's triumphant masterpieces—the incredible Suleymaniye and Selimiye mosques—dangerous undercurrents begin to emerge, with jealousy erupting among Sinan's four apprentices. A memorable story of artistic freedom, creativity, and the clash between science and fundamentalism, Shafak's intricate novel brims with vibrant characters, intriguing adventure, and the lavish backdrop of the Ottoman court, where love and loyalty are no match for raw power.

From termite mounds that in relative terms are three times as tall as a skyscraper, to the elaborate nests of social birds and the deadly traps of spiders, the constructions of the animal world can amaze and at times humble our own engineering and technology. But how do creatures with such small brains build these complex structures? What drives them to do it? Which skills are innate and which learned? Here, Mike Hansell looks at the extraordinary structures that animals build - whether homes, traps, or courtship displays - and reveals the biology behind their behaviour. He shows how small-brained animals achieve complex feats in a small-brained way, by repeating many simple actions and using highly evolved self-secreted materials. On the other hand, the building feats or tool use of large-brained animals, such as humans or chimps, require significantly more complex and costly behaviour. We look at wasp's nests, leaf-cutting ants, caddisflies and amoebae, and even the extraordinary bower bird, who seduces his mate with a decorated pile of twigs, baubles, feathers and berries. Hansell explores how animal structures evolved over time, how insect societies emerge, how animals can alter their wider habitat, and even whether some animals have an aesthetic sense.

Animal Models in Orthopaedic Research is a reference book of the major animal models used in the study of orthopaedic conditions and in the in vivo study of biomaterials. Use of animal models provides important knowledge about pathological conditions that can eventually lead to the development of more effective clinical treatment of diseases in bot "Did you know the natural world is a construction zone? Amazing animals all over the world are building all kinds of structures every single day. This fascinating, fact-filled book will captivate young scientists and naturalists and have them looking out for animal construction projects happening in their own backyards!"--

Fueled by ubiquitous computing ambitions, the edge is at the center of confluence of many emergent technological trends such as hardware-rooted trust and code integrity, 5G, data privacy and sovereignty, blockchains and distributed ledgers, ubiquitous sensors and drones, autonomous systems and real-time stream processing. Hardware and software pattern maturity have reached a tipping point so that scenarios like smart homes, smart factories, smart buildings, smart cities, smart grids, smart cars, smart highways are in reach of becoming a reality. While there is a great desire to bring born-in-the-cloud patterns and technologies such as zero-downtime software and hardware updates/upgrades to the edge, developers and operators alike face a unique set of challenges due to environmental differences such as resource constraints, network availability and heterogeneity of the environment. The first part of the book discusses various edge computing patterns which the authors have observed, and the reasons why these observations have led them to believe that there is a need for a new architectural paradigm for the new problem domain. Edge computing is examined from the app designer and architect's perspectives. When they design for edge computing, they need a new design language that can help them to express how capabilities are discovered, delivered and consumed, and how to leverage these

capabilities regardless of location and network connectivity. Capability-Oriented Architecture is designed to provide a framework for all of these. This book is for everyone who is interested in understanding what ubiquitous and edge computing means, why it is growing in importance and its opportunities to you as a technologist or decision maker. The book covers the broad spectrum of edge environments, their challenges and how you can address them as a developer or an operator. The book concludes with an introduction to a new architectural paradigm called capability-based architecture, which takes into consideration the capabilities provided by an edge environment. .

This book is unique in describing the history of post war reconstruction from an entirely new perspective by focusing on the changing relationship between architects and building workers. It considers individual, as well as collective, interactions with technical change and in doing so brings together, for the first time, an extraordinary range of sources including technical archives, oral history and visual material to describe the construction process both during and in the decades after the war. It focuses on the social aspects of production and the changes in working life for architects and building workers with increasing industrialization, in particular analysing the effect on the building process of introducing dimensionally co-ordinated components. Both architects and building workers have been accused of creating a built environment now popularly discredited: architects responsible for poor design and building workers for poor workmanship. However, many of the structures and ideas underpinning this period of rapid change were revolutionary in their commitment to a complete transformation of the building process. An Architecture of Parts adds to the growing literature on changes in the building world during and immediately after the Second World War. It is significant, both empirically and historically, in its examination of the ideas, technology and relationships that fired industrialization of the building process in mid-century Britain.

Independent readers will learn all about nature's most amazing builders in this new leveled reader from National Geographic Kids. Meet brilliant birds, inventive insects, ocean architects—and more!

It's not only humans who can build incredible structures: around the world, mammals, birds, and insects can be found building incredible things. From biggest beaver dams to tiniest caddisfly cases, this beautifully illustrated picture book explores each animal's incredible home and uncover the reasons why they build. Featuring bower birds and weaver birds, gophers and beavers, termites, honey bees, and many more, each amazing animal architect from around the world tells its own 'micro story' about its incredible architectural skills in this delightfully unique wildlife book.

Today's architecture has failed the body with its long heritage of purity of form and aesthetic of cleanliness. A resurgence of interest in flesh, especially in art, has led to a politics of abjection, completely changing traditional aesthetics, and is now giving light to an alternative discussion about the body in architecture. This book is dedicated to a future vision of the body in architecture, questioning the contemporary relationship between our Human Flesh and the changing Architectural Flesh. Through the analysis and design of a variety of buildings and projects, Flesh is proposed as a concept that extends the meaning of skin, one of architecture's most fundamental metaphors. It seeks to challenge a common misunderstanding of skin as a flat and thin surface. In a time when a pervasive discourse about the impact of digital technologies risks turning the architectural skin ever more disembodied, this book argues for a thick embodied flesh by exploring architectural interfaces that are truly inhabitable. Different concepts of Flesh are investigated, not only concerning the architectural and aesthetic, but also the biological aspects. The latter is materialised in form of Synthetic Neoplasms, which are proposed as new semi-living entities, rather than

more commonly derived from scaled-up analogies between biological systems and larger scale architectural constructs. These 'neoplastic' creations are identified as partly designed object and partly living material, in which the line between the natural and the artificial is progressively blurred. Hybrid technologies and interdisciplinary work methodologies are thus required, and lead to a revision of our current architectural practice.

Collects photographs of structures created by animals, from the six-foot-high hills of tiny red ants to the colorfully decorated courtship arenas of the bowerbird, showcasing the connections between human and animal architecture.

Showcases the homes of wild creatures around the world, including the cozy houses of rabbits, mice, moles, and platypuses; the intricate cities of bee hives and coral reefs; and unusual birds' nests that are sewn together and decorated.

Animal Architects Building and the Evolution of Intelligence Basic Books

A guide to the different kinds of homes animals build describes how animals build homes in such places as the earth, in trees, in nests, under the ocean, and in human houses.

A groundbreaking history of architecture told through the relationship between buildings and energy The story of architecture is the story of humanity. The buildings we live in, from the humblest pre-historic huts to today's skyscrapers, reveal our priorities and ambitions, our family structures and power structures. And to an extent never explored until now, architecture has been shaped in every era by our access to energy, from fire to farming to fossil fuels. In this groundbreaking history of world architecture, Barnabas Calder takes us on a dazzling tour of some of the most astonishing buildings of the past fifteen thousand years, from Uruk, via Ancient Rome and Victorian Liverpool, to China's booming megacities. He reveals how every building - from the Parthenon to the Great Mosque of Damascus to a typical Georgian house - was influenced by the energy available to its architects, and why this matters. Today architecture consumes so much energy that 40% of the world's greenhouse gas emissions come from the construction and running of buildings. If we are to avoid catastrophic climate change then now, more than ever, we need beautiful but also intelligent architecture, and to retrofit - not demolish - the buildings we already have.

Simple text explains the varied ways in which such animals as beavers, hummingbirds, termites, and bald eagles build their homes.

Applying Properties of Animals Skins to Inspire Architectural Envelopes Biology influences design projects in many ways; the related discipline is known as biomimetics or biomimicry. Using the animal kingdom as a source of inspiration, Ilaria Mazzoleni seeks to instill a shift in thinking about the application of biological principles to design and architecture. She focuses on the analysis of how organisms have adapted to different environments and translates the learned principles into the built environment. To illustrate the methodology, Mazzoleni draws inspiration from the diversity of animal coverings, referred to broadly as skin, and applies them to the design of building envelopes through a series of twelve

case studies. Skin is a complex organ that performs a multitude of functions; namely, it serves as a link between the body and the environment. Similarly, building envelopes act as interfaces between their inhabitants and external elements. The resulting architectural designs illustrate an integrative methodology that allows architecture to follow nature. "Ilaria Mazzoleni, in collaboration with biologist Shauna Price, has developed a profound methodology for architectural and design incentives that anticipates and proposes novel ways to explore undiscovered biological inspirations for various audiences." —Yoseph Bar-Cohen

The power of stories to raise our concern for animals has been postulated throughout history by countless scholars, activists, and writers, including such greats as Thomas Hardy and Leo Tolstoy. This is the first book to investigate that power and explain the psychological and cultural mechanisms behind it. It does so by presenting the results of an experimental project that involved thousands of participants, texts representing various genres and national literatures, and the cooperation of an internationally-acclaimed bestselling author. Combining psychological research with insights from animal studies, ecocriticism and other fields in the environmental humanities, the book not only provides evidence that animal stories can make us care for other species, but also shows that their effects are more complex and fascinating than we have ever thought. In this way, the book makes a groundbreaking contribution to the study of relations between literature and the nonhuman world as well as to the study of how literature changes our minds and society. "As witnessed by novels like *Black Beauty* and *Uncle Tom's Cabin*, a good story can move public opinion on contentious social issues. In *Human Minds and Animal Stories* a team of specialists in psychology, biology, and literature tells how they discovered the power of narratives to shift our views about the treatment of other species. Beautifully written and based on dozens of experiments with thousands of subjects, this book will appeal to animal advocates, researchers, and general readers looking for a compelling real-life detective story." - Hal Herzog, author of *Some We Love, Some We Hate, Some We Eat : Why It's So Hard To Think Straight About Animals*

Animal behavior has long been a battleground between the competing claims of nature and nurture, with the possible role of cognition in behavior as a recent addition to this debate. There is an untapped trove of behavioral data that can tell us a great deal about how the animals draw from these neural strategies: The structures animals build provide a superb window on the workings of the animal mind. *Animal Architects* examines animal architecture across a range of species, from those whose blueprints are largely innate (such as spiders and their webs) to those whose challenging structures seem to require intellectual insight, planning, and even aesthetics (such as bowerbirds' nests, or beavers' dams). Beginning with instinct and the simple homes of solitary insects, James and Carol Gould move on to conditioning; the "cognitive map" and how it evolved; and the role of planning and insight. Finally, they reflect on what animal building tells

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us about the nature of human intelligence-showing why humans, unlike many animals, need to build castles in the air. A fantastic, original exploration of how animals build their homes and the fascinating structures they create. From gladiator frogs to chimpanzees, learn about how animals all over the world build their homes. Each spread contains a beautiful, colourful illustration of each animal and its home, plus a unique fold-out information panel, with stats and a simple architectural diagram showcasing the creation of the 'architect'. Look inside chimpanzee nests, beaver dams, termite mounds, stork nests and many more - and get to know the clever animals who build them!

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