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A Christmas Carol

In a time of recession, the challenge of building and planning for tall buildings has become even more complex; the economics of development, legislative and planning frameworks, and the local politics of development must be navigated by those wishing to design and construct new tall buildings which fit within the fabric of their host cities. This book is a timely contribution to the debate about new tall buildings and their role and effect on our cities. It is divided into two main parts. In part one, the relationship between tall buildings and planning is outlined, followed by an exploration of the impacts that construction of tall buildings can have. It focuses, in particular, on the conservation debates that proposals for new tall buildings raise. The first part ends with an analysis of the way in which planning strategies have evolved to deal with the unique consequences of tall buildings on their urban locations. The second part of the book focuses on seven examples of medium-sized cities dealing with planning and conservation issues, and implications that arise from tall buildings. These have been chosen to reflect a wide range of methods to either encourage or to control tall buildings that cities are deploying. The case studies come from across the western world, covering England (Manchester, Liverpool, Newcastle and Birmingham), Norway (Oslo), Ireland (Dublin) and Canada (Vancouver) and represent a broad spectrum of approaches to dealing with this issue. In drawing together the experiences of these varied cities, the book contributes to the ongoing debate about the role of the tall building in our cities, their potential impacts, and experiences of those who use and inhabit them. The conclusions outline how cities should approach the strategic planning of tall buildings, as well as how they should deal with the consequences of individual buildings, particularly on the built heritage.

Wildlife, Fire & Future Climate

The Manhattan skyline is one of the great wonders of the modern world. But how and why did it form? Much has been written about the city's architecture and its general history, but little work has explored the economic forces that created the skyline. In *Building the Skyline*, Jason Barr chronicles the economic history of the Manhattan skyline. In the process, he debunks some widely held misconceptions about the city's history. Starting with Manhattan's natural and geological history, Barr moves on to how these formations influenced early land use and the development of neighborhoods, including the dense tenement neighborhoods of Five Points and the Lower East Side, and how these early decisions eventually impacted the location of skyscrapers built during the Skyscraper Revolution at the end of the 19th century. Barr then explores the economic history of skyscrapers and the skyline, investigating the reasons for their heights, frequencies, locations, and shapes. He discusses why skyscrapers emerged downtown and why they appeared three miles to the north in midtown-but not in between the two areas. Contrary to popular belief, this was not due to the depths of Manhattan's bedrock, nor the presence of Grand Central Station. Rather, midtown's emergence was a response to the economic and demographic forces that were taking place north of 14th Street after the Civil War. *Building the Skyline* also presents the first rigorous investigation of the causes of the building boom during the Roaring Twenties. Contrary to conventional wisdom, the boom was largely a rational response to the economic growth of the nation and city. The last chapter investigates the value of Manhattan Island and the relationship between skyscrapers and land prices. Finally, an Epilogue offers policy recommendations for a resilient and robust future skyline.

Building the Skyline

Describes the actions of babies and shows how babies like to be fed, changed, bathed, hugged, and cuddled.

Tall Tales

Portrays Navajo weaver and midwife Tall Woman, who held onto traditional Navajo ways, raised twelve children, and cared for the farm throughout her marriage to political leader and Blessingway singer Frank Mitchell.

Standing Tall in a Falling World (eBook)

This Graphic Novel Series features classic tales retold with attractive color illustrations. Educators using the Dale-Chall vocabulary system adapted each title. Each 70 page, softcover book retains key phrases and quotations from the original classics. Introduce literature to reluctant readers and motivate struggling readers. Students build confidence through reading practice. Motivation makes all the difference. What's more motivation than the expectation of success?

100 of the World's Tallest Buildings

An investigation into the potential response of terrestrial ecological systems to global change. This case study examines the refugia and future climate in the tall, wet forests of the Central Highlands of Victoria.

Melbourne's Water Catchments

Upon the release of 100 of the World's Tallest Buildings, the first 100 of the world's tallest buildings will be more than 985 feet (300 meters) for the first time. This book will showcase many of the new tall buildings across Asia and the Middle East, in particular. Compiled by the Council on Tall Buildings and Urban Habitat (CTBUH), the book begins with insightful introductory essays by renowned tall buildings expert, Georges Binder, on key trends in the skyscraper typology (a preview of the future) and on the history of the world's tallest buildings by decade. This ambitious and comprehensive text provides in-depth descriptions of the buildings' design and significance, accompanied by stunning images, detailed drawings, and plans. Towering structures are often the subject of admiration merely for their sheer height or skyline silhouette and criticized for their poor environmental performance (not without justification). This book aims to change that impression by showing innovations that are particular to this group of tall buildings, in addition to generally good architectural design and engineering prowess. The CTBUH's Awards series draws from the multi-disciplinary expertise of the practitioners directly involved in bringing these buildings to life. This guide is intended for anyone working on the design and operation of tall buildings at both the building and urban scales.

Enigmatic Pilot

In recent years, the rapid pace of tall building construction has fostered a certain kind of placelessness, with many new tall buildings being built out of scale, context and place. By analyzing hundreds of tall buildings and by providing hundreds of visuals that inspire, stimulate and engage, Understanding Tall Buildings contends that well-designed tall buildings can rejuvenate cities, ignite economic activity, support social life and boost city pride. Although this book does not claim to possess all the solutions, it does propose specific tall building design guidelines that may help to promote placemaking. Through this work, it is the author's hope that ill-conceived developments will become less common in the future and that good placemaking will become the norm, not the exception. This book is a must-read for students and practitioners working to create better tall buildings and better urban environments.

Sixteen Acres

Drawing on the experience of several cities from different parts of the world, this text provides a global perspective on the urbanization phenomenon and tall building development, and examines their underlying logic, design drivers, contextual relationships and pitfalls.

Algebraic Number Theory

This book, the result of the Council on Tall Buildings and Urban Habitat 6th World Congress: Cities in the Third Millennium, examines the issues which must be addressed if we are to have a common understanding of the forces of change. Experts in architecture, engineering and planning contribute a commentary on the existing condition of urban design,

John Cappas

The title of this book may be read in two ways. One is 'algebraic number-theory', that is, the theory of numbers viewed algebraically; the other, 'algebraic-number theory', the study of algebraic numbers. Both readings are compatible with our aims, and both are perhaps misleading. Misleading, because a proper coverage of either topic would require more space than is available, and demand more of the reader than we wish to; compatible, because our aim is to illustrate how some of the basic notions of the theory of algebraic numbers may be applied to problems in number theory. Algebra is an easy subject to compartmentalize, with topics such as 'groups', 'rings' or 'modules' being taught in comparative isolation. Many students view it this way. While it would be easy to exaggerate this tendency, it is not an especially desirable one. The leading mathematicians of the nineteenth and early twentieth centuries developed and used most of the basic results and techniques of linear algebra for perhaps a hundred years, without ever defining an abstract vector space: nor is there anything to suggest that they suffered thereby. This historical fact may indicate that abstraction is not always as necessary as one commonly imagines; on the other hand the axiomatization of mathematics has led to enormous organizational and conceptual gains.

Native American DNA

Since the skyscraper's humble beginnings as a 10-story building in Chicago, more than 100 years ago, the super-tall building has been a source of wonder for the layman, and of inspiration, innovation, and fierce competition for architects, engineers, contractors, and the countless others involved with the complex challenge of constructing increasingly higher buildings. Originally built predominantly as stand-alone office buildings, super-tall skyscrapers have evolved into vertical cities, which are often part of a larger urban plan, with most new examples incorporating a mix of uses including residential, hotel, retail, entertainment, and leisure facilities. This book is a fully illustrated snapshot of 101 of today's tallest buildings

from around the world. The next wave of super-tall buildings is so impressive that a selection of projects currently under construction is presented in the second part of the book.

New Suburbanism: Sustainable Tall Building Development

Much of the anticipated future growth in the United States will take place in suburbia. The critical challenge is how to accommodate this growth in a sustainable and resilient manner. This book explores the role of suburban tall as a viable, sustainable alternative to continued suburban sprawl. It identifies 10 spatial patterns in which tall buildings have been integrated into the American suburbs. The study concludes that the Tall Building and Transit-Oriented-Development (TB-TOD) model is the most appropriate to promote sustainable suburbanism. The findings are based on analyzing over 300 projects in 24 suburban communities within three major metropolitan areas including: Washington, DC, Miami, Florida, and Chicago, Illinois. The book furnishes planning strategies that address the social, economic, and environmental aspects of sustainable tall building development. It also discusses sustainable architectural design and site planning strategies and provides case studies of sustainable tall buildings that were successfully integrated into suburban settings.

There's No Dream Too Tall

Stand out like you're 7 feet tall — how to think and act differently as a K-12 leader Tall people stand out in a crowd. Tall people think and act differently: people like author Steven Bollar. He has spent his career as a principal and administrator creating school cultures that make students excited to learn and achieve their goals. In *Stand Tall Leadership*, Steven shows you that it doesn't matter what your natural height really is—you can stand tall in everything you do by thinking and acting differently from those around you. Designed for K-12 leaders, this unique and engaging book helps you overcome challenges in your school, manage effectively, inspire your staff, build strong relationships, communicate clearly, and much more. The *Stand Tall Leadership* philosophy is all about creating the best possible environment at your school. Strong leadership skills are essential for making better decisions, maintaining your focus and priority, and maximizing outcomes with students, staff, parents, and the entire community. The principles and techniques in this book will strengthen your own leadership skills and assist you in developing effective leaders within your school. Providing hands-on tools and real-world guidance, this valuable resource will help you: Connect with staff, understand their needs, and set them up for success Keep your best employees and leaders right where they are, not chasing other opportunities Assess your leadership skills and make immediate, meaningful improvements Maintain focus in any situation to increase productivity and get outstanding results Repair damaged relationships that slow down progress and impede success *Stand Tall Leadership: Stand Tall to Think Differently and Lead Successfully* is a must-read for all K-12 leaders and administrators, as well as K-12 educators looking to develop their leadership skills.

The Sustainable Tall Building

This is a guide to both the basics and the details of tall building design, delving into the rudimentary aspects of design that an architect of a tall office building must consider, as well as looking at the rationale for why and how a building must be built the way it is. Liberally illustrated with clear, simple black and white illustrations showing how the building structure and details can be built, this book greatly assists the reader in their understanding of the building process for a modern office tower. It breaks down the building into three main components: the structure, the core and the facade, writing about them and illustrating them in a simple-to-understand manner. By focusing on the nuts and bolts of real-life design and construction, it provides a practical guide and desk-reference to any architect or architecture student embarking on a tall building project.

Taipei 101

This second edition of *Designing Tall Buildings*, an accessible reference to guide you through the fundamental principles of designing high-rises, features two new chapters, additional sections, 400 images, project examples, and updated US and international codes. Each chapter focuses on a theme central to tall-building design, giving a comprehensive overview of the related architecture and structural engineering concepts. Author Mark Sarkisian, PE, SE, LEED® AP BD+C, provides clear definitions of technical terms and introduces important equations, gradually developing your knowledge. Projects drawn from SOM's vast portfolio of built high-rises, many of which Sarkisian engineered, demonstrate these concepts. This book advises you to consider the influence of a particular site's geology, wind conditions, and seismicity. Using this contextual knowledge and analysis, you can determine what types of structural solutions are best suited for a tower on that site. You can then conceptualize and devise efficient structural systems that are not only safe, but also constructible and economical. Sarkisian also addresses the influence of nature in design, urging you to integrate structure and architecture for buildings of superior performance, sustainability, and aesthetic excellence.

Damping Technologies for Tall Buildings

Do you find yourself suffering under the pressures of your day-to-day life; are you on an emotional roller coaster ride, feeling physically drained and in poor health? Are you angry, anxious, fearful and guilt-ridden, as you straining under the demands to give more to your work – and others, at the expense of your family life, and feel you have little hope for your future? *STANDING TALL IN A FALLING WORLD* is a practical book offering instant inspirational application to help you rise above all of your circumstances and be everything you were created to be. The insights contained in these pages will encourage you to bring change to your life, your business and your future. These writings have been birthed out of life

experience and are not mere theory.

Second Century of the Skyscraper

A collection of poems celebrating African-American fathers.

Tall Buildings and Urban Habitat

Believe in Yourself and Your Dream Will Find You! Every child is born with unique gifts and strengths, and as they grow, those begin to influence their interests and hobbies. As adults, we can sometimes see these gifts and tell our kids what they could-or should-be when they grow up. The problem is, kids can internalize our ideas for them as something they should want too. In There's No Dream Too Tall, Amie Dean offers a different approach-allowing kids the freedom to decide for themselves. Whether they want to be a teacher, a chef, a firefighter, a homemaker, or an architect, kids can look at their unique strengths and gifts and find their own way towards a future they will love. The world is wide open; there's no dream too tall. For a boy or a girl, whether big or quite small! There are millions of choices-no end to the list. So, look deep in yourself and consider your gifts. By showing kids that their different strengths can help them become who they want to be, we give them the power and permission to dream. And when we do that, they will believe that no matter how tall their dreams may be, they have what it takes to reach them!

Babies

tenant is looming in importance. The owner is having more influence on the building. As Gerald D. Hines has said, there are indications that the desire for more discretionary time will lead to more residential high-rises dose to or in the midst of downtown office buildings. Downtown living could become the desired alternative. Tall buildings will be approached increasingly from the standpoint of an urban ecology - that what happens to apart can influence the whole. Provid ing for public as well as private needs in a tall building project is just one example (facilities for schools, shops, religious, and other needs). More attention will be paid to maintaining streets as lively and interesting places. Will a new "world's tallest" be built? Will we go a mile high? The answer is probably "yes" to the first, "no" to the second. With the recent spate of super-tall buildings on the drawing boards, going to greater heights was in the back of many people's minds at the Chicago conference. But in the U nited States, at least, buildings of 70 to 80 stories would appear to provide needed space consistent with economy. The future, then, is described in depth by papers that go into specific areas.

Stand Tall Leadership

After publishing fourteen professional books, Stan wrote Tall Tales to leave a legacy for subsequent generations, as a human annuity, as a mark of his post-retirement work, and as a way of taking stock. Its done in four genresmemoir, essay, fi ction and poetry-and grouped by theme, with sections on his personal life, work life, his thoughts on religion, ten fi ctional tales, and two intermezzi with some poems. Thats it. Have fun.

Teaching Tall Tales

Alice is worried that she is four inches taller than the rest of the girls in class until she has a dream, which takes her to a place where the tall girls live and she finds somewhere to belong.

Planning for Tall Buildings

Goh Chok Tong was an improbable Prime Minister for an unlikely country. He had neither the connections nor the cunning to rise to the top, and was even once famously derided by his mentor Lee Kuan Yew for being "wooden" in his communication skills. Except for an imposing height most unusual in this part of the world, he was an ordinary man. He lost his father at a young age, lived in a two-bedroom public flat with his mother and four siblings and needed a government bursary to complete university. Yet somehow he succeeded. Tall Order tells the extraordinary story of his life and career over half a century, revealing how Singapore's second Prime Minister rose through a combination of strength, wit and a political nous which many, including himself, did not know he had. In this first of two volumes, Goh navigated years of a challenging apprenticeship to Lee, scoring numerous policy successes but also suffering political blows and humiliation. He was the man who first made Neptune Orient Lines, Singapore's national carrier, profitable, before entering politics. The stellar corporate stint was followed by his many novel policies and institutions that have since become household names in the country: Medisave, Total Defence, Residents' Committee and Nominated Member of Parliament. But the highlights were counterposed by setbacks, including overseeing the People's Action Party's first electoral defeat after independence at the Anson by-election. In the hands of acclaimed author and journalist Peh Shing Huei, this authorised biography reveals the private deliberations and negotiations between Goh and Lee before the maiden leadership transfer of independent Singapore. Tall Order is the first biography of Goh. This riveting book offers rare insights into Singapore's biggest and most important political and economic stories.

101 of the World's Tallest Buildings

This is the story of the Chicago criminal legend, John Louis Cappas. To crime buffs, Tall Money is a hellacious and felonious Chicago epic. To younger readers, it's a cautionary and wild tale of drugs and treachery aimed at a generation steeped in

bling, casual violence, materialism and coming-of-age incarceration. Tall Money is Risky Business gone terribly, terribly awry. "The soul I once thought John had lost is now seen in all of its human glory. The world of crime and punishment does not produce success stories with any regularity or certainty. I consider John Cappas to be a success story and I am now proud to say I know him well. The best part of my job is when the faith that is placed in another person proves to be justified. John has achieved in ways I never imagined and, I think, will do so even more in the future." Charles P. Kocoras
United States District Judge June 26, 2012

Designing Tall Buildings

A thought-provoking, behind-the-scenes look at the redevelopment plans for the World Trade Center site examines the deceptions and betrayals as factions and institutions converge to create a new culture at Ground Zero. Reprint. 15,000 first printing.

Nowhere Else on Earth

The Sustainable Tall Building: A Design Primer is an accessible and highly illustrated guide, which primes those involved in the design and research of tall buildings to dramatically improve their performance. Using a mixture of original research and analysis, best-practice design thinking and a detailed look at exemplar case studies, author Philip Oldfield takes the reader through the architectural ideas, engineering strategies and cutting-edge technologies that are available to the tall building design team. The book takes a global perspective, examining high-rise design in different climates, cultures and contexts. It considers common functions such as high-rise housing and offices, to more radical designs such as vertical farming and vertical cemeteries. Innovation is provided by examining not only the environmental performance of tall buildings but also their social sustainability, guiding the reader through strategies to create successful communities at height. The book starts by critically appraising the sustainability of tall building architecture past and present, before demonstrating innovative ways for future tall buildings to be designed. These include themes such as climatically responsive architecture, siting a tall building in the city, zero-carbon towers, skygardens and community spaces at height, sustainable structural systems and novel façades. In doing so, the book provides essential reading for architects, engineers, consultants, developers, researchers and students engaged with sustainable design and high-rise architecture.

Tall: the design and construction of high-rise architecture

Enigmatic Pilot is Kris Saknussemm's outrageously brilliant yet profoundly moving exploration and excavation of the American dream—and nightmare. In 1844, in a still-young America, the first intimations of civil war are stirring throughout

the land. In Zanesville, Ohio, the Sitturd family—Hephaestus, a clubfooted inventor; his wife, Rapture, a Creole from the Sea Islands; and their prodigiously gifted six-year-old son, Lloyd, whose libido is as precocious as his intellect—are forced to flee the only home they have ever known for an uncertain future in Texas, whence Hephaestus's half-brother, Micah, has sent them a mysterious invitation, promising riches and wonders too amazing to be entrusted to paper. Thus begins one of the most incredible American journeys since Huck Finn and Jim first pushed their raft into the Mississippi. Along the way, Lloyd will learn the intricacies of poker and murder, solve the problem of manned flight, find—and lose—true love, and become swept up in an ancient struggle between two secret societies whose arcane dispute has shaped the world's past and threatens to reshape its future. Each side wants to use Lloyd against the other, but Lloyd has his own ideas—and access to an occult technology as powerful as his imagination. From the Trade Paperback edition.

The White Bone

Chronicles efforts to protect the Great Bear Rainforest's ecosystem throughout history, and suggests ways to become involved in protecting it and other natural places.

The Future of the City

Tall wood buildings have been at the foreground of innovative building practice in urban contexts for a number of years. From London to Stockholm, from Vancouver to Melbourne timber buildings of up to 20 storeys have been built, are under construction or being considered. This dynamic trend was enabled by developments in the material itself, prefabrication and more flexibility in fire regulations. The low CO2 footprint of wood - often regionally sourced - is another strong argument in its favour. This publication explains the typical construction types such as panel systems, frame and hybrid systems. An international selection of 13 case studies is documented in detail with many specially prepared construction drawings, demonstrating the range of the technology.

In Daddy's Arms I Am Tall

This book charts the history of the water catchments and water supply for the city of Melbourne, which has many unique aspects that are a critical part of the history of Melbourne, Victoria and Australia. Much of the development of the water supply system was many decades ahead of its time and helped buffer the city of Melbourne from major diseases, droughts and water shortages. The authors present a chronology of the evolution of the catchment and water supply system pre-1900 to today. They discuss major developments, policies, and construction and management activities. Each chapter is illustrated with historical black and white images as well as newly taken photos that contrast present scenes with those

from the past. Chapters also include many fascinating stories of life within the water catchments and working for the Melbourne and Metropolitan Board of Works. Finally, the book includes many extraordinary insights into current and future issues with Melbourne's water supply, including issues associated with the highly controversial North-South Pipeline and the desalination plant.

Too Tall Alice

A monograph on the world's tallest building, rising 101 stories above its surrounding environment.

Tall Woman

Damping Technologies for Tall Buildings provides practical advice on the selection, design, installation and testing of damping systems. Richly illustrated with images and schematics, this book presents expert commentary on different damping systems, giving readers a way to accurately compare between different device categories and gain and understand the advantages and disadvantages of each. In addition, the book covers their economical and sustainability implications. Case studies are included to provide a direct understanding on the possible applications of each device category. Provides an expert guide on the selection and deployment of the various types of damping technologies Drawn from extensive contributions from international experts and research projects that represent the current state-of-the-art and design in damping technologies Includes 25+ real case studies collected with very detailed information on damping design, installation, testing and other building implications

The Environmental Performance of Tall Buildings

A thrilling journey into the minds of African elephants as they struggle to survive. If, as many recent nonfiction bestsellers have revealed, animals possess emotions and awareness, they must also have stories. In *The White Bone*, a novel imagined entirely from the perspective of African elephants, Barbara Gowdy creates a world whole and separate that yet illuminates our own. For years, young Mud and her family have roamed the high grasses, swamps, and deserts of the sub-Saharan. Now the earth is scorched by drought, and the mutilated bodies of family and friends lie scattered on the ground, shot down by ivory hunters. Nothing—not the once familiar terrain, or the age-old rhythms of life, or even memory itself—seems reliable anymore. Yet a slim prophecy of hope is passed on from water hole to water hole: the sacred white bone of legend will point the elephants toward the Safe Place. And so begins a quest through Africa's vast and perilous plains—until at last the survivors face a decisive trial of loyalty and courage. In *The White Bone*, Barbara Gowdy performs a feat of imagination virtually unparalleled in modern fiction. Plunged into an alien landscape, we orient ourselves in elephant time, elephant

space, elephant consciousness and begin to feel, as Gowdy puts it, "what it would be like to be that big and gentle, to be that imperiled, and to have that prodigious memory."

Tall Wood Buildings

This is a book for tall people, those who relate to them, and anyone interested in height in general. Being tall coincides with considerable professional, athletic, and social benefits. Yet there are also some problems, and these raise some questions. For instance, if longer levers and more cells really are behind increased risk of injuries and cancer, then how is it that giraffes get by? And why is it that society reveres tall stature but then compromises our safety with cramped cars and other things? And, as tall women might be pondering, where have all the tall, dark, and handsome men gone? Lastly, what can be done about all this? These questions and more will all be answered by a tall protagonist over eight chapters: Evolution, Scaling, Spine, Manufactured, Ergonomics, Growth, Longevity, and Society.

Tall Order

As the ever-changing skylines of cities all over the world show, tall buildings are an increasingly important solution to accommodating growth more sustainably in today's urban areas. Whether it is residential, a workplace or mixed use, the tower is both a statement of intent and the defining image for the new global city. The Tall Buildings Reference Book addresses all the issues of building tall, from the procurement stage through the design and construction process to new technologies and the building's contribution to the urban habitat. A case study section highlights the latest, the most innovative, the greenest and the most inspirational tall buildings being constructed today. A team of over fifty experts in all aspects of building tall have contributed to the making of the Tall Buildings Reference Book, creating an unparalleled source of information and inspiration for architects, engineers and developers.

Tall Life

The Tall Buildings Reference Book

If you liked Dune, Atlantis Gene and Star Wars—you will love the book Battlefield Earth! In the year A.D. 3000, Earth is a dystopian wasteland, plundered of its natural resources by alien conquerors known as Psychlos. Fewer than thirty-five thousand humans survive in a handful of communities scattered across the face of a post-apocalyptic Earth. From the ashes of humanity rises a young hero, Jonnie Goodboy Tyler. Setting off on an initial quest to discover a hidden evil, Jonnie unlocks

the mystery of humanity's demise and unearths a crucial weakness in their oppressors. Spreading the seeds of revolt, Jonnie and a small band of survivors pit their quest for freedom in an all-out rebellion that erupts across the continents of Earth and the cosmic sprawl of the Psychlo empire. For the fate of the Galaxy lies on the Battlefield of Earth. "Over 1,000 pages of thrills, spills, vicious aliens and noble humans. I found Battlefield Earth un-put-downable." —Neil Gaiman "Battlefield Earth is a terrific story! The carefully underplayed comedy I found it delicious. A masterpiece." —Robert A. Heinlein "Pulse-pounding mile-a-minute sci-fi action adventure that does not stop. It is a masterpiece of popular adventure science fiction." —Brandon Sanderson "Space opera that hits the right notes. It's provocative, exhilarating and genuinely enjoyable." —SCIFI.COM "Like the Harry Potter series, it's got concepts like good vs. evil, the noble savage and the hero's journey—and people go crazy over it!" —Dr. David Powers, Educator Awards and Accolades: Top 100 science fiction books Top three of the best 100 English language novels of the 20th century by the Random House Modern Library Readers Poll US Golden Scroll and Saturn Awards Tetradramma d'Oro Award Gutenberg Award Read the novel that changed the shape of science fiction * Over 4,000,000 copies sold * Translated in 25 languages * 21st Century edition with expanded content: author's never-before-published handwritten notes & an exclusive author interview An engaging read for STEM learning The imaginative diversity of the novel's characters and alien races, its military artifacts and striking technologies and mathematics make it the perfect motivation for STEM learning. "Want to get your kid excited about STEM? Battlefield Earth will give you the talking points, in fact, they'll already be talking about it." —S.G. Educator Accelerated Reader level 5.8, students earn 62 points Lexile 780 Discussion guide available for book clubs and educators.

Battlefield Earth

Tall tale characters like Pecos Bill, Slue Foot Sue, and John Henry put a fun new twist on teaching history, geography, and literature through these engaging activities. Tall Tale Trading Cards instruct about the great rivers, a timeline chronicles the effect of the nation's railroads, and a giant geography poster game makes learning the states a snap!

Understanding Tall Buildings

Tall buildings represent one of the most energy-intensive architectural typologies, while at the same time offering the high density work and living conditions that many believe will be an important constituent of future sustainable communities. How, then, can their environmental impact be lessened? This insightful book takes in: an overview of the tall building and its impacts (looking at cityscape, place, mobility, microclimate, energy and economics) design principles and the development of the sustainable tall building global perspectives (covering North and South America, Europe, the Middle East and Asia) detailed, qualitative case studies of buildings in design and operation the future for sustainable tall buildings. Not simply another showcase for future utopian designs and ideals, the information presented here is based on hard research from

operating buildings. Highly illustrated and combining analysis with solid detail for practice, this is essential reading for architects, building engineers, design consultants, retrofitters and urban planners interested in or working with tall buildings, and researchers/students in these disciplines.

Roadmap on the Future Research Needs of Tall Buildings

Who is a Native American? And who gets to decide? From genealogists searching online for their ancestors to fortune hunters hoping for a slice of casino profits from wealthy tribes, the answers to these seemingly straightforward questions have profound ramifications. The rise of DNA testing has further complicated the issues and raised the stakes. In *Native American DNA*, Kim TallBear shows how DNA testing is a powerful—and problematic—scientific process that is useful in determining close biological relatives. But tribal membership is a legal category that has developed in dependence on certain social understandings and historical contexts, a set of concepts that entangles genetic information in a web of family relations, reservation histories, tribal rules, and government regulations. At a larger level, TallBear asserts, the “markers” that are identified and applied to specific groups such as Native American tribes bear the imprints of the cultural, racial, ethnic, national, and even tribal misinterpretations of the humans who study them. TallBear notes that ideas about racial science, which informed white definitions of tribes in the nineteenth century, are unfortunately being revived in twenty-first-century laboratories. Because today’s science seems so compelling, increasing numbers of Native Americans have begun to believe their own metaphors: “in our blood” is giving way to “in our DNA.” This rhetorical drift, she argues, has significant consequences, and ultimately she shows how Native American claims to land, resources, and sovereignty that have taken generations to ratify may be seriously—and permanently—undermined.

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