

## Rices Architectural Primer By Matthew Rice

Now in its 40th year, Emerging Trends in Real Estate is one of the most highly regarded and widely read forecast reports in the real estate industry. This updated edition provides an outlook on real estate investment and development trends, real estate finance and capital markets, trends by property sector and metropolitan area, and other real estate issues around the globe. Comprehensive and invaluable, the book is based on interviews with leading industry experts and also covers what's happening in multifamily, retail, office, industrial, and hotel development. Geocomputation is the use of software and computing power to solve complex spatial problems. It is gaining increasing importance in the era of the 'big data' revolution, of 'smart cities', of crowdsourced data, and of associated applications for viewing and managing data geographically - like Google Maps. This student focused book: Provides a selection of practical examples of geocomputational techniques and 'hot topics' written by world leading practitioners. Integrates supporting materials in each chapter, such as code and data, enabling readers to work through the examples themselves. Chapters provide highly applied and practical discussions of: Visualisation and exploratory spatial data analysis Space time modelling Spatial algorithms Spatial regression and statistics Enabling interactions through the use of neogeography All chapters are uniform in design and each includes an introduction, case studies, conclusions - drawing together the generalities of the introduction and specific findings from the case study application – and guidance for further reading. This accessible text has been specifically designed for those readers who are new to Geocomputation as an area of research, showing how complex real-world problems can be solved through the integration of technology, data, and geocomputational methods. This is the applied primer for Geocomputation in the social sciences.

The secular architecture items like ramparts, palace interiors, houses of the wealthy class hve all bee brought within the compass of this study.

How to Read Buildings is a practical primer to looking at architecture and all the elements that are included in buildings, from cornices and friezes to columns and porticos - all facets of buildings are included. Each chapter takes an architectural element and looks at its variety across various historical periods and geographical locations. Examples are shown through dozens of fine engravings with extended captions, creating a dip-in read and an effective I-Spy guide. Additional sections look at the clues offered by history, geography and religion (with a timeline showing how and where architectural elements have been introduced), and at the significance of the ornaments.

RICE'S ARCHITECTURAL PRIMER covers the grammar and vocabulary of British buildings, explaining the evolution of styles from Norman castles to Norman Foster. Its aim is to enable the reader to recognise, understand and date any British building. As Matthew Rice says, 'Once you can speak any language, conversation can begin, but without it communications can only be brief and brutish. The same is the case with Architecture: an inability to describe the component parts of a building leaves one tongue-tied and unable to begin to discuss what is or is not exciting, dull or peculiar about it.' RICE'S ARCHITECTURAL PRIMER will explain the language of architecture. With it in your hand, pocket or car, buildings will break down beguilingly into their component parts, ready for inspection and discussion. There will be no more references to that curly bit on top of the thing with the square protrusions. Ungainly and inept descriptions will be a thing of the past and, fluent in the world of volutes, hood moulds, lobed architraves and bucrania, you will be able to leave a cathedral or country house with as much to talk about as a film or play. RICE'S ARCHITECTURAL PRIMER starts with an explanation of the basic 'Grammar' of buildings: elevation, plan, roof, gable and eave. This will enable the reader to better make use of what is to follow. It will also cover the Orders of Architecture – Doric, Tuscan, Ionic, Corinthian and Composite – so that the vital basics of Classicism are covered. Following this is the 'Vocabulary'. This will be a chronological reference section covering, period by period, the windows, doors and doorcases, columns, chimneys, arches, balustrades and pediments that make up the built environment.

'A real-life thriller, a page-turner, a deeply shocking dissection of avarice and calculated callousness. We knew some of this story; it turns out we didn't know the half of it. Exhaustively researched and written with grace and gravity, Empire of Pain unpeels a most terrible American scandal. You feel almost guilty for enjoying it so much.' Melanie Reid, The Times The gripping and shocking story of three generations of the Sackler family and their roles in the stories of Valium and Oxycontin, by the prize-winning, bestselling author of Say Nothing. The Sackler name adorns the walls of many storied institutions – Harvard; the Metropolitan Museum of Art; Oxford; the Louvre. They are one of the richest families in the world, known for their lavish donations in the arts and the sciences. The source of the family fortune was vague, however, until it emerged that the Sacklers were responsible for making and marketing Oxycontin, a blockbuster painkiller that was a catalyst for the opioid crisis-an international epidemic of drug addiction which has killed nearly half a million people. In this masterpiece of narrative reporting and writing, Patrick Radden Keefe exhaustively documents the jaw-dropping and ferociously compelling reality. Empire of Pain is the story of a dynasty: a parable of 21st century greed.

Oxford is one of the jewels of European architecture, much loved and much visited. The city offers an unparalleled collection of the best of English building through the centuries. Matthew Rice's Oxford is a feast of delightful watercolour illustrations and an informed and witty text, explaining how the city came into being and what to look out for today. While the focus is on architectural detail, Rice also describes how the city has been shaped by its history, most of all by generations of patrons who had the education and the resources to commission work from the greatest architects and builders of their day, an astonishing range of which still stands. More than anywhere else in England, it is possible in Oxford to take in the history of English architecture simply by walking today's streets, lanes, parks and meadows. 'A lovely book extensively illustrated with his idiosyncratic and witty watercolours' Daily Telegraph on Building Norfolk. 'His pictures sing from the page. Unlike photographs, the medium allows him to 'emphasise, exclude or exaggerate', and its washes are ideal for rendering, say, the uneven colour of a wall of carrstone. Architectural features have annotations in the author's own hand, and these can range from the witty to exasperated' World of Interiors on Building Norfolk

The founder of Architizer.com and practicing architect draws on his unique position at the crossroads of architecture and social media to highlight 100 important buildings that embody the future of architecture. We're asking more of architecture than ever before; the response will define our future. A pavilion made from paper. A building that eats smog. An inflatable concert hall. A research lab that can walk through snow. We're entering a new age in architecture—one where we expect our buildings to deliver far more than just shelter. We want buildings that inspire us while helping the environment; buildings that delight our senses while serving the needs of a community; buildings made possible both by new technology and repurposed materials. Like an

architectural cabinet of wonders, this book collects the most innovative buildings of today and tomorrow. The buildings hail from all seven continents (to say nothing of other planets), offering a truly global perspective on what lies ahead. Each page captures the soaring confidence, the thoughtful intelligence, the space-age wonder, and at times the sheer whimsy of the world's most inspired buildings—and the questions they provoke: Can a building breathe? Can a skyscraper be built in a day? Can we 3D-print a house? Can we live on the moon? Filled with gorgeous imagery and witty insight, this book is an essential and delightful guide to the future being built around us—a future that matters more, and to more of us, than ever.

Music, Sound and Space is the first collection to integrate research from musicology and sound studies on music and sound as they mediate everyday life. Music and sound exert an inescapable influence on the contemporary world, from the ubiquity of MP3 players to the controversial use of sound as an instrument of torture. In this book, leading scholars explore the spatialisation of music and sound, their capacity to engender modes of publicness and privacy, their constitution of subjectivity, and the politics of sound and space. Chapters discuss music and sound in relation to distinctive genres, technologies and settings, including sound installation art, popular music recordings, offices and hospitals, and music therapy. With international examples, from the Islamic soundscape of the Kenyan coast, to religious music in Europe, to First Nation musical sociability in Canada, this book offers a new global perspective on how music and sound and their spatialising capacities transform the nature of public and private experience.

This book documents the 30-year collaboration of one of America's finest architects and a great architectural photographer. Hugh Newell Jacobsen's projects have earned over 80 design awards, while Robert Lautman's photographs of Jacobsen's work have been published widely.

A practical guide to research for architects and designers—now updated and expanded! From searching for the best glass to prevent glare to determining how clients might react to the color choice for restaurant walls, research is a crucial tool that architects must master in order to effectively address the technical, aesthetic, and behavioral issues that arise in their work. This book's unique coverage of research methods is specifically targeted to help professional designers and researchers better conduct and understand research. Part I explores basic research issues and concepts, and includes chapters on relating theory to method and design to research. Part II gives a comprehensive treatment of specific strategies for investigating built forms. In all, the book covers seven types of research, including historical, qualitative, correlational, experimental, simulation, logical argumentation, and case studies and mixed methods. Features new to this edition include: Strategies for investigation, practical examples, and resources for additional information A look at current trends and innovations in research Coverage of design studio-based research that shows how strategies described in the book can be employed in real life A discussion of digital media and online research New and updated examples of research studies A new chapter on the relationship between design and research Architectural Research Methods is an essential reference for architecture students and researchers as well as architects, interior designers, landscape architects, and building product manufacturers.

"Between 1750 and 1840, the home took on unprecedented social and emotional significance. Focusing on the design, decoration, and reception of a range of elite and middling class homes from this period, *Domestic Space in Britain, 1750-1840* demonstrates that the material culture of domestic life was central to how this function of the home was experienced, expressed, and understood at this time. Examining craft production and collection, gift exchange and written description, inheritance and loss, it carefully unpacks the material processes that made the home a focus for contemporaries' social and emotional lives. The first book on its subject, *Domestic Space in Britain, 1750-1840* employs methodologies from both art history and material culture studies to examine previously unpublished interiors, spaces, texts, images, and objects. Utilising extensive archival research; visual, material, and textual analysis; and histories of emotion, sociability, and materiality, it sheds light on the decoration and reception of a broad array of domestic spaces. In so doing, it writes a new history of late eighteenth- and early nineteenth-century domestic space, establishing the materiality of the home as a crucial site for identity formation, social interaction, and emotional expression"--

VILLAGE BUILDINGS OF BRITAIN is an illustrated survey of vernacular building for everyone who believes in the importance of conservation and who wishes to have, in one beautiful volume, examples of village building styles from all over the country. Each of the eleven chapters includes a selection of buildings painted from life in watercolour in a highly original style which combines accuracy with charm. With his painter's eye for detail, Matthew Rice also picks out a variety of local features such as windows, doorways, ironworks and stonework which help to establish the character of each part of the country. In writing and illustrating this book Matthew Rice is not only arming his readers with a superb collection of architectural drawings but, with his heartfelt passion for conservation, trying to ensure that those people lucky enough to own a country cottage have a better idea of how to maintain or convert it in such a way that it continues to stand in harmony with its surroundings.

The countryside, towns and cities of Britain are full of churches. They represent some of the most iconic, beautiful and occasionally bizarre buildings in the country. They have a lot to say about our history, our art and our ideas. But how do you read them? Through charming illustrations, Rice's *Church Primer* reveals the basic grammar and vocabulary of church architecture throughout the United Kingdom. As Matthew Rice says, 'Once you can speak any language, conversations can begin, but without it communications can only be brief and brutish. The same is the case with Architecture: an inability to describe the component parts of a building leaves one tongue-tied and unable to begin to discuss what is or is not exciting, dull or peculiar about it.' Rice's *Church Primer* explains the language of architecture in churches, from the restrained Norman style of William the Conqueror to the gilded excesses of the Baroque. The primer begins with an explanation of the basic 'Grammar' of churches: elevation, plan, fronts, vaults and towers. This allows the reader to easily understand what follows. Next comes the 'Vocabulary' of styles in chronological order, from ancient Saxon churches to modern cathedrals. Each period covers component parts like doors, windows, towers, pews, panelling and pulpits. Finally, there is a map pinpointing some of the best churches around the country, so you can practise your newfound fluency in real life. With Matthew Rice's elegant and witty illustrations to guide you, suddenly you'll understand why naves are necessary, why towers are built as tall as possible and why sometimes even the most respectable church needs a good flying buttress.

Based on the popular Artech House classic, *Digital Communication Systems Engineering with Software-Defined Radio*, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core

concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

Ignition is a book of dispatches from the frontlines of communication strategy. Matthew L. Moseley draws on his eclectic life experiences to investigate the link between success and effective communication. Whether he's choreographing a fine dining experience at the top restaurant in America, using rock stars to register voters, helping a national chain save its reputation after a gaffe goes viral, or serving as media liaison at the epic ash-blast send-off for author Hunter S. Thompson, Moseley identifies the principles that guide communication strategies toward their goals. In extensive interviews with a wide variety of experts, including authors, fighter pilots, business leaders, politicians, and astrophysicists, Moseley tests these principles, teases out new, provocative ideas, and anticipates how forming stronger connections will help us address today's greatest challenges. Though it tackles serious subjects, offers an illuminating perspective on the evolution of human discourse, and shares important insights on interpersonal relations, Ignition is also a good, fun read. A broad range of colorful anecdotes gives this book of philosophical wisdom and practical advice the zest of a juicy memoir.

Human society is full of would-be "change agents," a restless mix of campaigners, lobbyists, and officials, both individuals and organizations, set on transforming the world. They want to improve public services, reform laws and regulations, guarantee human rights, get a fairer deal for those on the sharp end, achieve greater recognition for any number of issues, or simply be treated with respect. Striking then, why so many universities lack programs for social activists, to which students can turn for advice and inspiration. Instead, scholarly discussions of change are fragmented with few conversations crossing disciplinary boundaries, rarely making it onto the radar of those actively seeking change. This book bridges the gap between academia and practice, bringing together the best research from a range of academic disciplines and the evolving practical understanding of activists to explore the topic of social and political change. Drawing on many first-hand examples from the global experience of Oxfam, one of the world's largest social justice NGOs, as well as the author's insights from studying and working on international development, it tests ideas on how change happens and offers the latest thinking on what works to achieve progressive change.

A beautifully packaged, idiosyncratic introduction to British building styles, by the acclaimed illustrator and architectural enthusiast Matthew Rice. The Language of Buildings covers the grammar and vocabulary of British buildings, explaining the evolution of styles from Norman castles to Norman Foster. Its aim is to enable the reader to recognize, understand and date any British building. As Matthew Rice says, "Once you can speak any language, conversation can begin, but without it communications can only be brief and brutish. The same is the case with Architecture: an inability to describe the component parts of a building leaves one tongue-tied and unable to begin to discuss what is or is not exciting, dull or peculiar about it." The Language of Buildings will explain the language of architecture. With it in your hand, buildings will break down beguilingly into their component parts, ready for inspection and discussion. There will be no more references to that curly bit on top of the thing with the square protrusions. Ungainly and inept descriptions will be a thing of the past and, fluent in the world of volutes, hood moulds, lobed architraves and bucrania, you will be able to leave a cathedral or country house with as much to talk about as a film or play. The Language of Buildings starts with an explanation of the basic "Grammar" of buildings: elevation, plan, roof, gable and eave. This will enable the reader to better make use of what is to follow. It will also cover the Orders of Architecture--Doric, Tuscan, Ionic, Corinthian and Composite--so that the vital basics of Classicism are covered. Following this is the "Vocabulary." This will be a chronological reference section covering, period by period, the windows, doors and doorcases, columns, chimneys, arches, balustrades and pediments that make up the built environment.

It seems easy to disregard those inner wounds inside in hopes that they will go away. But wounds that aren't dealt with become more infected and they manifest in many ways and many areas of our lives without us knowing it. It seems easier to ignore them than to work on them. At first the work can feel intense but then with each layer that is healed relief comes. Soon it becomes easier to embrace the idea of dealing with the wounds and unloading the weights that come with them. If you are longing to unload the weights of abuse and pain then this workbook is a great start for you. Take courage and begin your work toward freedom.

Companies all over the world could greatly benefit from moving part of even all their staff to work from home as virtual employees. Using the techniques and strategies inside The Invisible Organization, all that is possible quickly and efficiently. If you are the CEO of a company that could benefit by generating more profits, shedding overhead and thriving staff, this book is a must read. Penned by former CEO of Tony Robbins and Chet Holmes Business Breakthroughs, International, Russo successfully scaled the company with nearly 100% growth per year, and about 300 remote staff, owning no infrastructure. Russo helps clients create the leadership management strategy as outlined in his book and advises CEOs on moving "virtual" with confidence. Why is this book different than other books on working virtually? Because it comes from the CEOs perspective as an operating executive; dealing with the strategy of creating momentum around changing the company, slowly at first and then accelerating as results prove viable. The book is more of a blueprint designed to accomplish this singular act of internal revolution.

Provides step-by-step demonstrations that integrate Adobe Photoshop, AutoCAD, Google Sketchup, freehand drawings and Adobe InDesign to create visual presentations.

Accessibly written, and with over 300 watercolour illustrations, Building Norfolk is an illustrated history of Norfolk's buildings, up to the present day. In the middle ages, Norfolk was one of England's most powerful regions, with Norwich the second biggest city in the British Isles. But by the time of the industrial revolution Norfolk was something of a backwater, and the transformations of this period passed it by. As a result, there is a higher density of old buildings left in Norfolk than anywhere else in Britain, and Building Norfolk does full justice to this extraordinary heritage of barns, farms, manor houses, villages, market towns, stone walls, churches and the great houses of Holkham and Houghton. But the book is not only about the past. Matthew Rice passionately believes in the value of earlier, local, solutions in addressing the challenges of future development. In its final quarter, his book becomes a plea for a well-mannered, intelligent modern interpretation of vernacular architecture, and concludes with a proposal for Worsted, a new town to built following the lessons of generations of Norfolk builders. Rice's support of Prince Charles' new town of Poundbury and his criticism of the current state of planning in Norfolk are sure to attract attention and controversy.

Explaining that musicality is an essential touchstone of the human experience, a concise introduction to the study of the nature of music, its community and its cultural values explains the diverse work of today's ethnomusicologists and how researchers apply anthropological and other social disciplines to studies of human and cultural behaviors. Original.

Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators

worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

HERE LIES MEMORY explores the place of memory in living, daily, scarred and sacred lives. Two Pittsburgh families struggle to survive trauma and love. A man wills himself to go blind, not to forget, but to remember in new ways. Another man drinks beer after beer until he can no longer drink away what he must face directly. This novel explores what language and photographs do to memory, desire, and love, and what gentrification is doing to the souls of families and neighborhoods.

Matthew Rice is a painter, author and architectural enthusiast; obsessive about birds, poultry, the countryside and is fantastic in the kitchen. His passion for nature and the countryside is reflected in this evocative undated yearbook. There is space to write notes or keep track of birthdays, anniversaries or when you planted the broad beans! Recording your 'country' year will keep the memories alive forever.

\*\*This deluxe collection contains five complete novels by Edgar Rice Burroughs, including the original illustrations \*\* Barsoom, a name that has inspired the imaginations of readers for a century. Edgar Rice Burroughs created his vision of a dying Mars to serve as a backdrop for the adventures of John Carter, one time Earthman. These tales of swashbuckling intrigue, war, and romance have served as the foundation of such diverse careers as those of Carl Sagan and George Lucas. Resurrected Press has collected the first five of these tales, A Princess of Mars, The Gods of Mars, The Warlord of Mars, Thuvia, Maid of Mars, and The Chessmen of Mars in one volume to entertain yet another generation with these marvelous stories.

Bewerkte compilatie van de stof behandeld in de colleges van de architect aan de Technische Universiteit Delft.

This compact and accessible book is for anyone who would like to understand more about the architectural history of English churches. Clear and easy to use, the text explains the key components of church architecture--stylistic developments, functional requirements, regional variations, and arcane vocabulary. Readers can equip themselves to explore historic churches knowledgeably, evaluate dates and restoration phases, interpret stained glass and monuments, and make their own discoveries. Written by one of the editors of the Pevsner Architectural Guides and distilling years of experience visiting churches, the book includes explanations of how to learn more from building plans, tips for further research, searching for clues, and analyzing the evidence.

This book gives writers pointers and guidelines on how to improve their action scenes by implementing some of the same kinds of techniques used in film-making. Loaded with new terminology and definitions, an introduction to the basic concepts of an Action Scene, and application of the concepts, this book gives writers the tools to write their own expert-level action scenes! KAPOW! BANG! ZOOM!

A knee injury ends Rayfield "Liftoff" Lifton's dreams of becoming a first-round draft NBA pick, so he pursues a career in law. After a dozen years as a state prosecutor, he gets a second chance at glory when he takes on what could turn out to be a high-profile case against a white-supremacist group under a controversial new hate-crimes law.

'A tender and touching love story, beautifully told' Observer 10 Best Debut Novelists of 2021 'A beautiful and powerful novel about the true and sometimes painful depths of love' Candice Carty-Williams, bestselling author of QUEENIE 'An unforgettable debut... it's Sally Rooney meets Michaela Coel meets Teju Cole' New York Times 'A love song to Black art and thought' Yaa Gyasi, bestselling author of HOMEGOING and TRANSCENDENT KINGDOM Two young people meet at a pub in South East London. Both are Black British, both won scholarships to private schools where they struggled to belong, both are now artists - he a photographer, she a dancer - trying to make their mark in a city that by turns celebrates and rejects them. Tentatively, tenderly, they fall in love. But two people who seem destined to be together can still be torn apart by fear and violence. At once an achingly beautiful love story and a potent insight into race and masculinity, Open Water asks what it means to be a person in a world that sees you only as a Black body, to be vulnerable when you are only respected for strength, to find safety in love, only to lose it. With gorgeous, soulful intensity, Caleb Azumah Nelson has written the most essential British debut of recent years. 'An amazing debut novel. You should read this book. Let's hear it for Caleb Azumah Nelson, also known as the future' Benjamin Zephaniah 'A short, poetic and intellectual meditation on art and a relationship between a young couple' Bernardine Evaristo, author of GIRL, WOMAN, OTHER 'A very touching and heartfelt book' Diana Evans, award-winning author of ORDINARY PEOPLE 'A lyrical modern love story, brilliant on music and art, race and London life, I enjoyed it hugely' David Nicholls, author of ONE DAY and SWEET SORROW 'Caleb is a star in the making' Nikesha Shukla, editor of THE GOOD IMMIGRANT and BROWN BABY 'A stunning piece of art' Bolu Babalola, bestselling author of LOVE IN COLOUR 'For those that are missing the tentative depiction of love in Normal People, Caleb Azumah Nelson's Open Water is set to become one of 2021's unmissable books. Utterly transporting, it'll leave you weeping and in awe.' Stylist 'An exhilarating new voice in British fiction' Vogue 'A poetic novel about Black identity and first love in the capital from one of Britain's most exciting young voices' Harper's Bazaar 'An intense, elegant debut' Guardian SHORTLISTED FOR WATERSTONES BOOK OF THE YEAR LONGLISTED FOR THE DESMOND ELLIOTT PRIZE AND THE GORDON BURN PRIZE 2021 A NATIONAL BOOK AWARD '5 UNDER 35' HONOREE

Through a blend of lively detail and elegant narration, James Faubion immerses us in the cosmopolitan intellectual life of Athens, a centerless city of multiplicities and fragmentations, a city on the "margins of Europe" recovering from the repressive rule of a military junta. Drawing inspiration from Athens and its cultural elite, Faubion explores the meaning of modernity, finding it not in the singular character of "Western civilization" but instead in an increasingly diverse family of practices of reform.

In the stories of Big Bad, the mundane meets the mysterious, and the comedic collides with the catastrophic.

This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its

