

Read Online Intelligent Life In  
Universe Carl Sagan Free

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It's been nearly four decades since Carl Sagan first addressed the general public from a scientist's perspective, confronting the possibility of extraterrestrial life. We've learned a lot in those years, and planetary scientist David Grinspoon is well prepared to explore this field with a new generation of readers. In *Lonely Planets*, Grinspoon investigates the big questions: How widespread are life and

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intelligence in the cosmos? Is life on Earth an accident or in some sense the "purpose" of this universe? And how can we, working from the Earth-centric definition of "life," even begin to think about the varieties of life-forms on other planets? In accessible, lively prose, and using the topic of extraterrestrial life as a mirror with which to view human beliefs, evolution, history, and aspirations, Grinspoon takes readers on a three-part journey. History is an overview of our expanding awareness of other planets, from the observations of seventeenth-

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century natural philosophers to modern-day space exploration. It traces the history of our ideas on alien life to the earliest days of astronomy, and shows how these beliefs have changed with humanity's evolving self-image. Science tells the story of cosmic evolution and the evolution of life on Earth. Here, Grinspoon disputes the recent "Rare Earth hypothesis," which argues that Earth is unique for sprouting advanced life-forms, maintaining instead that life is likely to be well adapted to a wide variety of planets. He

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questions conventional assumptions of what is required for a planet to come to life, scrutinizing current ideas and evidence for life on Mars, Venus, and the moons of Jupiter, and challenging readers to think about other life-forms that may exist on other worlds. Belief discusses the limits of our abilities to conceptualize or communicate with intelligent aliens living on planets circling distant stars. Grinspoon speculates on what intelligent life might become, eventually, on Earth and elsewhere, and the implications, both scientific

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and philosophical, of these far-future evolutionary possibilities. Written with authority and edge, and rich in personal, often amusing anecdotes, *Lonely Planets* explores the shifting boundary between planetary science and natural philosophy and reveals how the search for extraterrestrial life unites our spiritual and scientific quests for connection with the cosmos.

A classic book by the world's most famous scientist and science visionary, back in print with a new perspective. Harvard's top astronomer lays

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out his controversial theory that our solar system was recently visited by advanced alien technology from a distant star

Aliens

A Scientific Guide to Alien Life, Antimatter, and Human Space Travel (For the Cosmically Curious)

The Growth of Scientific Knowledge

The Privileged Planet

Extraterrestrial Life in Our Minds and in the Cosmos

Carl Sagan's Cosmic Connection

Report : Prepared for the Committee on Science and

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Technology, U.S. House of Representatives, Ninety-fourth Congress, First Session

"Fascinating . . . memorable . . . revealing . . . perhaps the best of Carl Sagan's books."—The Washington Post Book World (front page review) In *Cosmos*, the late astronomer Carl Sagan cast his gaze over the magnificent mystery of the Universe and made it accessible to millions of people around the world. Now in this stunning sequel, Carl Sagan completes his revolutionary journey through space and time. Future generations will look back on

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our epoch as the time when the human race finally broke into a radically new frontier—space. In *Pale Blue Dot*, Sagan traces the spellbinding history of our launch into the cosmos and assesses the future that looms before us as we move out into our own solar system and on to distant galaxies beyond. The exploration and eventual settlement of other worlds is neither a fantasy nor luxury, insists Sagan, but rather a necessary condition for the survival of the human race. "Takes readers far beyond *Cosmos* . . . Sagan sees



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humanity's future in the stars."—Chicago Tribune

One of the world's leading scientists explains why—and how—the search for intelligent life beyond Earth should be expanded. Fifty years ago, a young astronomer named Frank Drake first pointed a radio telescope at nearby stars in the hope of picking up a signal from an alien civilization. Thus began one of the boldest scientific projects in history, the Search for Extraterrestrial Intelligence (SETI). After a half-century of scanning the skies, however, astronomers have little to

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report but an eerie silence—eerie because many scientists are convinced that the universe is teeming with life. Physicist and astrobiologist Paul Davies has been closely involved with SETI for three decades and chairs the SETI Post-Detection Taskgroup, charged with deciding what to do if we're suddenly confronted with evidence of alien intelligence. He believes the search so far has fallen into an anthropocentric trap—assuming that an alien species will look, think, and behave much like us. In this

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provocative book Davies refocuses the search, challenging existing ideas of what form an alien intelligence might take, how it might try to communicate with us, and how we should respond if it does.

Soon to be a Netflix Original Series! "Wildly imaginative."  
—President Barack Obama on The Three-Body Problem trilogy This near-future trilogy is the first chance for English-speaking readers to experience this multiple-award-winning phenomenon from Cixin Liu, China's most beloved science fiction author.

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In The Dark Forest, Earth is reeling from the revelation of a coming alien invasion-in just four centuries' time. The aliens' human collaborators may have been defeated, but the presence of the sophons, the subatomic particles that allow Trisolaris instant access to all human information, means that Earth's defense plans are totally exposed to the enemy. Only the human mind remains a secret. This is the motivation for the Wallfacer Project, a daring plan that grants four men enormous resources to design secret strategies, hidden

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through deceit and misdirection from Earth and Trisolaris alike. Three of the Wallfacers are influential statesmen and scientists, but the fourth is a total unknown. Luo Ji, an unambitious Chinese astronomer and sociologist, is baffled by his new status. All he knows is that he's the one Wallfacer that Trisolaris wants dead. The Three-Body Problem Series The Three-Body Problem The Dark Forest Death's End Other Books Ball Lightning Supernova Era To Hold Up The Sky (forthcoming) At the Publisher's request, this title is

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being sold without Digital Rights Management Software (DRM) applied.

Celebrity Scientists Versus God and Religion

Lonely Planets

Life as We Do Not Know It

Civilized Life in the Universe

A symposium held at Boston Univ. on Nov. 20, 1972. Nat.

Aeronautics and Space

Administration, Scientific and Technical Information Office

The Next 50 Years

Cosmos

Pulitzer Prize-winning author and astronomer Carl Sagan imagines the greatest adventure of all—the discovery of an advanced

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civilization in the depths of space. In December of 1999, a multinational team journeys out to the stars, to the most awesome encounter in human history. Who—or what—is out there? In *Cosmos*, Carl Sagan explained the universe. In *Contact*, he predicts its future—and our own.

“Ann Druyan has unearthed a treasure. It is a treasure of reason, compassion, and scientific awe. It should be the next book you read.”  
—Sam Harris, author of *The End of Faith* “A stunningly valuable legacy left to all of us by a great human being. I miss him so.” —Kurt Vonnegut  
Carl Sagan's prophetic vision of the tragic resurgence of fundamentalism and the hope-filled

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potential of the next great development in human spirituality

The late great astronomer and astrophysicist describes his personal search to understand the nature of the sacred in the vastness of the cosmos. Exhibiting a breadth of intellect nothing short of astounding, Sagan presents his views on a wide range of topics, including the likelihood of intelligent life on other planets, creationism and so-called intelligent design, and a new concept of science as "informed worship." Originally presented at the centennial celebration of the famous Gifford Lectures in Scotland in 1985 but never published, this book offers a unique encounter with one of the



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most remarkable minds of the  
twentieth century.

Originally published in Great Britain  
by Profile Books Ltd, 2016.

Conjectures and Refutations

Carl Sagan's Universe

Perspectives on Extraterrestrial Life

The Natural Philosophy of Alien

Life

Out There

Why Complex Life is Uncommon in  
the Universe

*"A translation, extension,  
and revision of [the  
author's Vselennai[a],  
zhizn', razum]"*.

*Bibliography: p. 489-495.*

*From September 2007 to June  
2008 the Space Studies Board*

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*conducted an international public seminar series, with each monthly talk highlighting a different topic in space and Earth science. The principal lectures from the series are compiled in Forging the Future of Space Science. The topics of these events covered the full spectrum of space and Earth science research, from global climate change, to the cosmic origins of life, to the exploration of the Moon and Mars, to the scientific research required to support human spaceflight. The prevailing messages throughout the seminar series as demonstrated by*

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*the lectures in this book are how much we have accomplished over the past 50 years, how profound are our discoveries, how much contributions from the space program affect our daily lives, and yet how much remains to be done. The age of discovery in space and Earth science is just beginning. Opportunities abound that will forever alter our destiny.*

*Intelligent Life in the Universe*  
San Francisco :  
Holden-Day

*Intelligent Life in the Universe*

*Intelligence in the Universe  
Life beyond earth & the mind  
of man*

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*Rare Earth*

*A Personal View of the Search for God*

*The Dark Forest*

*Contact*

Examines recent scientific discoveries that suggest there may be other life forms in the universe

This book is a selective and fascinating history of scientific speculation about intelligent extraterrestrial life. From Plutarch to Stephen Hawking, some of the most prominent western scientists have had quite detailed perceptions and misperceptions about alien civilizations: Johannes Kepler, fresh from transforming astronomy with his work on the shape of planetary orbits, was quite sure alien engineers on the moon were excavating circular pits to

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provide shelter; Christiaan Huygens, the most prominent physical scientist between Galileo and Newton, dismissed Kepler's speculations, but used the laws of probability to prove that "planetarians" on other worlds are much like humans, and had developed a sense of the visual arts; Carl Sagan sees clearly that Huygens is a biological chauvinist, but doesn't see as clearly that he, Sagan, may be a cultural/technological chauvinist when he assumes aliens have highly developed technology like ours, but better. Basalla traces the influence of one speculation on the next, showing an unbroken but twisting chain of ideas passed from one scientist to the next, and from science to popular culture. He even traces the influence of popular

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culture on science--Sagan always admitted how much E. R. Burroughs' Martian novels influenced his speculations about Mars. Throughout, Basalla weaves his theme that scientific belief in and search for extraterrestrial civilizations is a complex impulse, part secularized-religious, and part anthropomorphic. He questions the common modern scientific reasoning that life converges on intelligence, and intelligence converges on one science valid everywhere. He ends the book by agreeing with Stephen Hawking (usually a safe bet) that intelligence is overrated for survival in the universe, and that we are most likely alone. The premise that alien life exists has had a grip on writers, artists, thinkers, and scientists since possibly the earliest

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days of civilization. This awesome text explores many of the critical parts of astrobiology from theories about exoplanets and the formation of solar systems to places like the Lowell Observatory and Roswell and people like H. G. Wells and Carl Sagan. Astrobiology, or the search for aliens, has never been so accessible as in this text. With full-color artwork and gripping, accessible main text, sidebars, and fact boxes, readers enjoy indulging in alien theories all the while learning science and history.

Extraterrestrial

12 Rules for Life

An Antidote to Chaos

The Varieties of Scientific Experience

UFO's--a Scientific Debate

The Possibility of Intelligent Life

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Elsewhere in the Universe

Intelligent Life in the Universe /cl.S.  
Shklovskii, Carl Sagan ; Authorized  
Translation by Paul Fern

**Earth. The Final Frontier**

**Contrary to popular belief, Earth is not an insignificant blip on the universe's radar. Our world proves anything but average in Guillermo Gonzalez and Jay W. Richards' The Privileged Planet: How Our Place in the Cosmos Is Designed for Discovery. But what exactly does Earth bring to the table? How does it prove its worth among numerous planets and constellations in the vastness of the Milky Way? In The**



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**Privileged Planet, you'll learn about the world's life-sustaining capabilities, water and its miraculous makeup, protection by the planetary giants, and how our planet came into existence in the first place.**

**#1 NATIONAL BESTSELLER #1 INTERNATIONAL BESTSELLER**

**What does everyone in the modern world need to know? Renowned psychologist Jordan B. Peterson's answer to this most difficult of questions uniquely combines the hard-won truths of ancient tradition with the stunning revelations of cutting-edge scientific research. Humorous,**

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**surprising and informative, Dr. Peterson tells us why skateboarding boys and girls must be left alone, what terrible fate awaits those who criticize too easily, and why you should always pet a cat when you meet one on the street. What does the nervous system of the lowly lobster have to tell us about standing up straight (with our shoulders back) and about success in life? Why did ancient Egyptians worship the capacity to pay careful attention as the highest of gods? What dreadful paths do people tread when they become resentful, arrogant and vengeful? Dr.**

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**Peterson journeys broadly, discussing discipline, freedom, adventure and responsibility, distilling the world's wisdom into 12 practical and profound rules for life. 12 Rules for Life shatters the modern commonplaces of science, faith and human nature, while transforming and ennobling the mind and spirit of its readers.**

**What determines whether complex life will arise on a planet, or even any life at all? Questions such as these are investigated in this groundbreaking book. In doing so, the authors synthesize information from astronomy,**

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**biology, and paleontology, and apply it to what we know about the rise of life on Earth and to what could possibly happen elsewhere in the universe. Everyone who has been thrilled by the recent discoveries of extrasolar planets and the indications of life on Mars and the Jovian moon Europa will be fascinated by Rare Earth, and its implications for those who look to the heavens for companionship.**

**The NASA Search for (and Synthesis of) Alien Life by I. S. Shklovskii and Carl Sagan; being a translation, extension, and revision**

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**Intelligent life in the universe  
How Our Place in the Cosmos  
Is Designed for Discovery  
Alien Oceans  
Speculations on the Evolution  
of Human Intelligence  
The World's Leading Scientists  
on the Search for  
Extraterrestrial Life**

Winner of the 2019 Phi  
Beta Kappa Award for  
Science "A valuable  
perspective on the most  
important problem of our  
time." —Adam Becker, NPR  
Light of the Stars tells  
the story of humanity's  
coming of age as we  
realize we might not be  
alone in this universe.

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Astrophysicist Adam Frank traces the question of alien life from the ancient Greeks to modern thinkers, and he demonstrates that recognizing the possibility of its existence might be the key to save us from climate change. With clarity and conviction, *Light of the Stars* asks the consequential question: What can the likely presence of life on other planets tell us about our own fate?

RETURNING TO TELEVISION AS  
AN ALL-NEW MINISERIES ON

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FOX Cosmos is one of the bestselling science books of all time. In clear-eyed prose, Sagan reveals a jewel-like blue world inhabited by a life form that is just beginning to discover its own identity and to venture into the vast ocean of space.

Featuring a new Introduction by Sagan's collaborator, Ann Druyan, full color illustrations, and a new Foreword by astrophysicist Neil deGrasse Tyson, Cosmos retraces the fourteen billion years of cosmic evolution that have

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transformed matter into consciousness, exploring such topics as the origin of life, the human brain, Egyptian hieroglyphics, spacecraft missions, the death of the Sun, the evolution of galaxies, and the forces and individuals who helped to shape modern science. Praise for Cosmos "Magnificent . . . With a lyrical literary style, and a range that touches almost all aspects of human knowledge, Cosmos often seems too good to be true."—The Plain Dealer "Sagan is an astronomer with one eye on the stars,



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another on history, and a third—his mind's—on the human condition."—Newsday  
"Brilliant in its scope and provocative in its suggestions . . . shimmers with a sense of wonder."—The Miami Herald  
"Sagan dazzles the mind with the miracle of our survival, framed by the stately galaxies of space."—Cosmopolitan  
"Enticing . . . iridescent . . . imaginatively illustrated."—The New York Times Book Review  
In the vein of Randall Munroe's What If? meets Brian Green's Elegant

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Universe, a senior writer from Space.com leads readers on a wild ride of exploration into the final frontier, investigating what's really "out there." We've all asked ourselves the question. It's impossible to look up at the stars and NOT think about it: Are we alone in the universe? Books, movies and television shows proliferate that attempt to answer this question and explore it. In OUT THERE Space.com senior writer Dr. Michael Wall treats that question as merely the beginning,

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touching off a wild ride of exploration into the final frontier. He considers, for instance, the myriad of questions that would arise once we do discover life beyond Earth (an eventuality which, top NASA officials told Wall, is only drawing closer). What would the first aliens we meet look like? Would they be little green men or mere microbes? Would they be found on a planet in our own solar system or orbiting a star far, far away? Would they intend to harm us, and if so, how

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might they do it? And might they already have visited? OUT THERE is arranged in a simple question-and-answer format. The answers are delivered in Dr. Wall's informal but informative style, which mixes in a healthy dose of humor and pop culture to make big ideas easier to swallow. Dr. Wall covers questions far beyond alien life, venturing into astronomy, physics, and the practical realities of what long-term life might be like for we mere humans in outer space, such as the

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idea of lunar colonies, and even economic implications. Dr. Wall also shares the insights of some of the leading lights in space exploration today, and shows how the next space age might be brighter than ever.

The Scientific Search for Extraterrestrial Intelligence

Are We Alone in the Universe? Theories About Intelligent Life on Other Planets

The Eerie Silence

A Vision of the Human Future in Space

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Sharing the Universe  
(by) I.S. Shklovskii and  
Carl Sagan. Authorized  
Translation by Paula Fern  
Oracles of Science

The authors offer an informed analysis on the views of Stephen Jay Gould, Richard Dawkins, Edward O. Wilson, Carl Sagan, Stephen Hawking and Steven Weinberg; carefully distinguishing science from philosophy and religion in the writings of the oracles.

An engrossing and revelatory first look at the search for alien life—on Earth and beyond For the past twenty years, Peter Ward has been at the forefront of popular science writing, with books such as the influential and controversial *Rare Earth*. In *Life as We*

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Do Not Know It, Ward, with his signature blend of eloquence, humor, and learned insight, vividly details the latest scientific findings, cutting-edge research, and intrepid new theories on the subject of alien life and the possible extraterrestrial origins of life on Earth. In lucid, entertaining, and bold prose, Peter Ward once again challenges our notions of life on earth (and beyond). Conjectures and Refutations is one of Karl Popper's most wide-ranging and popular works, notable not only for its acute insight into the way scientific knowledge grows, but also for applying those insights to politics and to history. It provides one of the clearest and most accessible statements of the fundamental idea that guided his work: not only our knowledge, but our aims

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and our standards, grow through an unending process of trial and error.

Is Anyone Out There?

Communication with Extraterrestrial Intelligence (CETI)

Alien Universe

Renewing Our Search for Alien Intelligence

An Extraterrestrial Perspective

Forging the Future of Space Science

Pale Blue Dot

*Offers a tribute to the late scientist, with technical papers and popular essays from prominent scientists on such issues as religion and science, science education, and space science*

*Inside the epic quest to find life on the water-rich moons at the outer reaches of the solar system Where*



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*is the best place to find life beyond Earth? We often look to Mars as the most promising site in our solar system, but recent scientific missions have revealed that some of the most habitable real estate may actually lie farther away.*

*Beneath the frozen crusts of several of the small, ice-covered moons of Jupiter and Saturn lurk vast oceans that may have existed for as long as Earth, and together may contain more than fifty times its total volume of liquid water. Could there be organisms living in their depths? Alien Oceans reveals the science behind the thrilling quest to find out. Kevin Peter Hand is one of today's leading NASA scientists, and his pioneering research has taken him*

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*on expeditions around the world. In this captivating account of scientific discovery, he brings together insights from planetary science, biology, and the adventures of scientists like himself to explain how we know that oceans exist within moons of the outer solar system, like Europa, Titan, and Enceladus. He shows how the exploration of Earth's oceans is informing our understanding of the potential habitability of these icy moons, and draws lessons from what we have learned about the origins of life on our own planet to consider how life could arise on these distant worlds. Alien Oceans describes what lies ahead in our search for life in our solar system and beyond, setting*

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*the stage for the transformative discoveries that may await us.*

*Whether you are drawn to the psychological belief in Aliens, the history of our interest in life on other planets, or the scientific possibility of Alien existence, Alien Universe is sure to hold you spellbound.*

*The First Sign of Intelligent Life Beyond Earth*

*Other Worlds*

*The Search for Life in the Depths of Space*

*Scientists on Intelligent Extraterrestrials*

*Light of the Stars: Alien Worlds and the Fate of the Earth*

*Dragons of Eden*

*"A history of the human brain from the big bang,*

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fifteen billion years ago, to the day before yesterday . . . It's a delight."—The New York Times Dr. Carl Sagan takes us on a great reading adventure, offering his vivid and startling insight into the brain of man and beast, the origin of human intelligence, the function of our most haunting legends—and their amazing links to recent discoveries. "How can I persuade every intelligent person to read this important and

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elegant book? . . . He talks about all kinds of things: the why of the pain of human childbirth . . . the reason for sleeping and dreaming . . . chimpanzees taught to communicate in deaf and dumb language . . . the definition of death . . . cloning . . . computers . . . intelligent life on other planets. . . . Fascinating . . . delightful.”—The Boston Globe “In some lost Eden where dragons ruled, the foundations of our

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intelligence were laid.  
. . . Carl Sagan takes  
us on a guided tour of  
that lost land. . . .  
Fascinating . . .  
entertaining . . .  
masterful.”—St. Louis  
Post-Dispatch