

Carl Sagan A Life In The Cosmos

What are these graceful visitors to our skies? We now know that they bring both life and death and teach us about our origins. Comet begins with a breathtaking journey through space astride a comet. Pulitzer Prize-winning astronomer Carl Sagan, author of *Cosmos* and *Contact*, and writer Ann Druyan explore the origin, nature, and future of comets, and the exotic myths and portents attached to them. The authors show how comets have spurred some of the great discoveries in the history of science and raise intriguing questions about these brilliant visitors from the interstellar dark. Were the fates of the dinosaurs and the origins of humans tied to the wanderings of a comet? Are comets the building blocks from which worlds are formed? Lavishly illustrated with photographs and specially commissioned full-color paintings, *Comet* is an enthralling adventure, indispensable for anyone who has ever gazed up at the heavens and wondered why. Praise for *Comet* "Simply the best." —The Times of London "Fascinating, evocative, inspiring." —The Washington Post "Comet humanizes science. A beautiful, interesting book." —United Press International "Masterful . . . science, poetry, and imagination." —The Atlanta Journal & Constitution

A biography of the astronomer reveals an intellectually astute and emotionally tempestuous man who found himself involved in a host of controversial activities, from visiting Timothy Leary in prison to protesting nuclear weapons, while serving as a

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visionary voice of the scientific community

A prescient warning of a future we now inhabit, where fake news stories and Internet conspiracy theories play to a disaffected American populace “A glorious book . . . A spirited defense of science . . . From the first page to the last, this book is a manifesto for clear thought.”—Los Angeles Times How can we make intelligent decisions about our increasingly technology-driven lives if we don’t understand the difference between the myths of pseudoscience and the testable hypotheses of science? Pulitzer Prize-winning author and distinguished astronomer Carl Sagan argues that scientific thinking is critical not only to the pursuit of truth but to the very well-being of our democratic institutions. Casting a wide net through history and culture, Sagan examines and authoritatively debunks such celebrated fallacies of the past as witchcraft, faith healing, demons, and UFOs. And yet, disturbingly, in today’s so-called information age, pseudoscience is burgeoning with stories of alien abduction, channeling past lives, and communal hallucinations commanding growing attention and respect. As Sagan demonstrates with lucid eloquence, the siren song of unreason is not just a cultural wrong turn but a dangerous plunge into darkness that threatens our most basic freedoms. Praise for *The Demon-Haunted World* “Powerful . . . A stirring defense of informed rationality. . . Rich in surprising information and beautiful writing.”—The Washington Post Book World “Compelling.”—USA Today “A clear vision of what good science means and why it makes a difference. . . . A testimonial to the power of science

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and a warning of the dangers of unrestrained credulity.”—The Sciences
“Passionate.”—San Francisco Examiner-Chronicle

Astrophysicist Dr. Rebecca Blake deciphers a message from outer space and finds that the message contains directions for the construction of a complicated machine

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Jake Ducey shows readers that the secret to prosperity and fulfillment at work and at home is to connect more deeply with those around you. Imagine doubling your income, without doubling your work hours. Imagine a world where everyone woke up happy, excited for work, and went home fulfilled. Imagine you could not stop smiling because you constantly felt so good about your professional and personal life. Most people believe that the best way to make more money is to work harder than ever and, as a result, they compromise their relationships, happiness, and energy. Others believe they have to quit their job and travel the world or volunteer their time to find happiness.

These are both untrue, according to Ducey. In this enlightening, simple, heart-opening book, he asserts that the secret to high achievement and happiness at work, at school, in your heart, and at home is the deeply human need to wholeheartedly connect with and become more valuable to those around you. Ducey gives you mind-expanding and practical new ways to create more success, money, and happiness. The result is an enlightening and fulfilling read that will strengthen your relationship with money, bring you closer to those around you, and transform what you do at work, at school, and at

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home. If you would like to make more money, deepen your connection with others, and increase your energy and happiness, this book is for you.

Presents an illustrated guide to the universe and to Earth's relationship to it, moving from theories of creation to humankind's discovery of the cosmos, to general relativity, to space missions, and beyond.

NATIONAL BESTSELLER • “Exciting and provocative . . . A tour de force of a book that begs to be seen as well as to be read.”—The Washington Post Book World
World renowned scientist Carl Sagan and acclaimed author Ann Druyan have written a Roots for the human species, a lucid and riveting account of how humans got to be the way we are. *Shadows of Forgotten Ancestors* is a thrilling saga that starts with the origin of the Earth. It shows with humor and drama that many of our key traits—self-awareness, technology, family ties, submission to authority, hatred for those a little different from ourselves, reason, and ethics—are rooted in the deep past, and illuminated by our kinship with other animals. Sagan and Druyan conduct a breathtaking journey through space and time, zeroing in on critical turning points in evolutionary history, and tracing the origins of sex, altruism, violence, rape, and dominance. Their book culminates in a stunningly original examination of the connection between primate and human traits. Astonishing in its scope, brilliant in its insights, and an absolutely compelling read, *Shadows of Forgotten Ancestors* is a triumph of popular science.

"Eleven-year-old Alex Petroski, along with his dog, Carl Sagan, makes big discoveries about

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his family on a road trip and he records it all on a golden iPod he intends to launch into space"--

The well-known astronomer and astrobiologist surveys current knowledge of the development of intelligence on Earth in various forms of life and explains his persuasion that intelligence must have developed along similar lines throughout the universe

A Mighty Girl Best Book of 2020! From debut author Sarah Allen comes a pitch-perfect, heartwarming middle grade novel about growing up, finding yourself, and loving people with everything you're made of. Twelve-year-old Libby Monroe is great at science, being optimistic, and talking to her famous, accomplished friends (okay, maybe that last one is only in her head). She's not great at playing piano, sitting still, or figuring out how to say the right thing at the right time in real life. Libby was born with Turner Syndrome, and that makes some things hard. But she has lots of people who love her, and that makes her pretty lucky. When her big sister Nonny tells her she's pregnant, Libby is thrilled—but worried. Nonny and her husband are in a financial black hole, and Libby knows that babies aren't always born healthy. So she strikes a deal with the universe: She'll enter a contest with a project about Cecilia Payne, the first person to discover what stars are made of. If she wins the grand prize and gives all that money to Nonny's family, then the baby will be perfect. Does she have what it takes to care for the sister that has always cared for her? And what will it take for the universe to notice?

For every child who has ever looked up at the stars and asked, "What are they?" comes the story of a curious boy who never stopped wondering: Carl Sagan. When Carl Sagan was a young boy he went to the 1939 World's Fair and his life was changed forever. From that day on he never stopped marveling at the universe and seeking to understand it better. Star Stuff

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follows Carl from his days star gazing from the bedroom window of his Brooklyn apartment, through his love of speculative science fiction novels, to his work as an internationally renowned scientist who worked on the Voyager missions exploring the farthest reaches of space. This book introduces the beloved man who brought the mystery of the cosmos into homes across America to a new generation of dreamers and star gazers.

The late author of such best-sellers as *Cosmos* examines humankind's changing awareness of its place in the universe and the rich potential of human ventures into the world beyond Earth. Reprint.

In this compelling life of Carl Sagan, award-winning science writer William Poundstone details the transformation of a bookish young astronomer obsessed with life on other worlds into science's first authentic media superstar. The instantly recognizable Sagan, a fixture on television and a bestselling author, offered the layperson entry into the mysteries of the cosmos and of science in general. To much of the scientific community, however, he was a pariah, a brazen publicity seeker who cared more about his image and his fortune than the advancement of science. Poundstone reveals the seldom-discussed aspects of Sagan's life, the legitimate and important work of his early scientific career, the almost obsessive capacity to take on endless projects, and the multiple marriages and fractured personal life, in what *The New Yorker* called an "evenhanded guide" to a great man's career.

"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

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revolutionary journey through space and time. Future generations will look back on 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 humanity’s future in the stars.”—Chicago Tribune

"A blade of grass is a commonplace on Earth; it would be a miracle on Mars. Our descendants on Mars will know the value of a patch of green. And if a blade of grass is priceless, what is the value of a human being?" Carl Sagan Selected quotes by Carl Sagan now at your fingertips Perfect for casual reading, taking ideas, and inspiration Makes for a unique gift idea -- "Our ancestors lived out of doors. They were as familiar with the night sky as most of us are with our favorite television programs." Carl Sagan

A collection of hundreds of letters, never published before, reveal the wit, charm, and celebrated intelligence of the enormously prolific science and science fiction writer A fascinating book on the joys of discovering how the world works, by the Pulitzer Prize–winning author of *Cosmos* and *Shadows of Forgotten Ancestors*. “Magnificent . . . Delightful . . . A masterpiece. A message of tremendous hope for humanity . . . While ever conscious that human folly can terminate man’s march into the future, Sagan nonetheless paints for us a mind-boggling future: intelligent robots, the discovery of

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extraterrestrial life and its consequences, and above all the challenge and pursuit of the mystery of the universe.”—Chicago Tribune “Go out and buy this book, because Carl Sagan is not only one of the world’s most respected scientists, he’s a great writer. . . . I can give a book no greater accolade than to say I’m planning on reading it again. And again. And again.”—The Miami Herald “The brilliant astronomer . . . is persuasive, provocative and readable.”—United Press International “Closely reasoned, impeccably researched, gently humorous, utterly devastating.”—The Washington Post
Introduces a broad range of scientific and philosophical issues about life through the original historical and contemporary sources.

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

“Provocative and entertaining. . . . A powerful and damning diatribe on Simpson’s acquittal.”—People Here is the account of the O. J. Simpson case that no one dared to write, that no one else could write. In this #1 New York Times bestseller, Vincent Bugliosi, the famed prosecutor of Charles Manson and best-selling author of *Helter Skelter*, goes to the heart of the trial that divided the country and made a mockery of justice. He lays out the mountains of evidence; rebuts the defense; offers a thrilling summation; condemns the monumental blunders of the judge, the “Dream Team,” and the media; and exposes, for the first time anywhere, the shocking incompetence of the prosecution.

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This collection of essays, published to celebrate the 150th anniversary of Scientific American, covers the themes of discovery, understanding, technological capability, and optimism. It explores in detail the following topics: the birth of the universe; the emergence of life; and the future.

NEW YORK TIMES BESTSELLER • In the final book of his astonishing career, Carl Sagan brilliantly examines the burning questions of our lives, our world, and the universe around us. These luminous, entertaining essays travel both the vastness of the cosmos and the intimacy of the human mind, posing such fascinating questions as how did the universe originate and how will it end, and how can we meld science and compassion to meet the challenges of the coming century? Here, too, is a rare, private glimpse of Sagan's thoughts about love, death, and God as he struggled with fatal disease. Ever forward-looking and vibrant with the sparkle of his unquenchable curiosity, *Billions & Billions* is a testament to one of the great scientific minds of our day. Praise for *Billions & Billions* “[Sagan’s] writing brims with optimism, clarity and compassion.”—Ft. Lauderdale Sun-Sentinel “Sagan used the spotlight of his fame to illuminate the abyss into which stupidity, greed, and the lust for power may yet dump us. All of those interests and causes are handsomely represented in *Billions & Billions*.”—The Washington Post Book World “Astronomer Carl Sagan didn’t live to see the millennium, but he probably has done more than any other popular scientist to prepare us for its arrival.”—Atlanta Journal & Constitution “*Billions & Billions* can be

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interpreted as the Silent Spring for the current generation. . . . Human history includes a number of leaders with great minds who gave us theories about our universe and origins that ran contrary to religious dogma. Galileo determined that the Earth revolved around the Sun, not the other way around. Darwin challenged Creationism with his Evolution of Species. And now, Sagan has given the world its latest challenge: Billions & Billions.”—San Antonio Express-News “[Sagan’s] inspiration and boundless curiosity live on in the gift of his work.”—Seattle Times & Post-Intelligencer “Couldn’t stay awake in your high school science classes? This book can help fill in the holes. Acclaimed scientist Carl Sagan combines his logic and knowledge with wit and humor to make a potentially dry subject enjoyable to read.”—The Dallas Morning News

Donna Shirley's 35-year career as an aerospace engineer reached a jubilant pinnacle in July 1997 when Sojourner--the solar-powered, self-guided, microwave-oven-sized rover--was seen exploring the Martian landscape in Pathfinder's spectacular images from the surface of the red planet. The event marked a milestone in space, but for Donna Shirley, the leader of the mostly male team that designed and built Sojourner--and the first woman ever to manage a NASA program--it marked a triumph of another kind. Managing Martians is Shirley's captivating memoir of a life and career spent reaching for the stars. From her seemingly outlandish aspiration at age ten to build aircraft, to abandoning high school Home Ec in favor of mechanical drawing, and, at sixteen, becoming a licensed pilot, Shirley defied expectations from the beginning. In

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a vivid narrative, rich with anecdotes and thrilling turning points, Shirley recounts the intense battles she waged to defend her vision and the ingenuity and resourcefulness of her committed team. Her moment-by-cliffhanging-moment account of Pathfinder's landing and Sojourner's first tentative foray across the sands of Mars brilliantly captures the fulfillment of a lifelong dream as it heralds a brave new era of space exploration. "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 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 most remarkable minds of the twentieth century. "Dazzling...A feast. Absorbing and elegantly written, it tells of the origins of life on earth, describes its variety and character, and culminates in a discussion of human nature

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and the complex traces of humankind's evolutionary past...It is an amazing story masterfully told." FINANCIAL TIMES (LONDON) World renowned scientist Carl Sagan and acclaimed author Ann Druyan have written a ROOTS for the human species, a lucid and riveting account of how humans got to be the way we are. It shows with humor and drama that many of our key traits--self-awareness, technology, family ties, submission to authority, hatred for those a little different from ourselves, reason, and ethics--are rooted in the deep past, and illuminated by our kinship with other animals. Astonishing in its scope, brilliant in its insights, and an absolutely compelling read, SHADOWS OF FORGOTTEN ANCESTORS is a triumph of popular science.

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

Bibliography: p. 489-495.

Cecilia Payne-Gaposchkin was the revolutionary scientific thinker who discovered what stars are made of. But her name is hard to find alongside those of Hubble, Herschel, and other great astronomers. Donovan Moore tells the story of Payne's life of determination against all the obstacles a patriarchal society erected against her.

A collection of interviews and profiles show how Sagan, a lifelong skeptic, refined his views and expressed amazement that Earth encompasses everything about which he cared.

A penetrating, mesmerizing biography of a scientific icon, now in paperback "Absolutely fascinating . . . Davidson has done a remarkable job."-Sir Arthur C. Clarke "Engaging . .

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. accessible, carefully documented . . . sophisticated."-Dr. David Hollinger for The New York Times Book Review "Entertaining . . . Davidson treats [the] nuances of Sagan's complex life with understanding and sympathy."-The Christian Science Monitor "Excellent . . . Davidson acts as a keen critic to Sagan's works and their vast uncertainties."-Scientific American "A fascinating book about an extraordinary man."-Johnny Carson "Davidson, an award-winning science writer, has written an absorbing portrait of this Pied Piper of planetary science. Davidson thoroughly explores Sagan's science, wrestles with his politics, and plumbs his personal passions with a telling instinct for the revealing underside of a life lived so publicly."-Los Angeles Times Carl Sagan was one of the most celebrated scientists of this century-the handsome and alluring visionary who inspired a generation to look to the heavens and beyond. His life was both an intellectual feast and an emotional rollercoaster. Based on interviews with Sagan's family and friends, including his widow, Ann Druyan; his first wife, acclaimed scientist Lynn Margulis; and his three sons, as well as exclusive access to many personal papers, this highly acclaimed life story offers remarkable insight into one of the most influential, provocative, and beloved figures of our time-a complex, contradictory prophet of the Space Age.

"A charming book, ringing with the joy of existence." -- Richard Dawkins "This lyrical exploration of how we can find beauty in the natural world comes from the daughter of Carl Sagan . . . A wonderful gift for your favorite reader." --Good Housekeeping The

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perfect gift for a loved one or for yourself, *For Small Creatures Such as We* is part memoir, part guidebook, and part social history, a luminous celebration of Earth's marvels that require no faith in order to be believed. Sasha Sagan was raised by secular parents, the astronomer Carl Sagan and the writer and producer Ann Druyan. They taught her that the natural world and vast cosmos are full of profound beauty, that science reveals truths more wondrous than any myth or fable. When Sagan herself became a mother, she began her own hunt for the natural phenomena behind our most treasured occasions--from births to deaths, holidays to weddings, anniversaries, and more--growing these roots into a new set of rituals for her young daughter that honor the joy and significance of each experience without relying on religious framework. As Sagan shares these rituals, *For Small Creatures Such as We* becomes a moving tribute to a father, a newborn daughter, a marriage, and the natural world--a celebration of life itself, and the power of our families and beliefs to bring us together.

Presents the personal life, scientific accomplishments, and career of Carl Sagan, astronomer, educator, and public television series host.

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. Astrophysicist George Smoot spent decades pursuing the origin of the cosmos, "the holy grail of science," a relentless hunt that led him from the rain forests of Brazil to the frozen wastes of Antarctica. In his search he struggled against time, the elements, and the forces of ignorance and bureaucratic insanity. Finally, after years of research, Smoot and his dedicated team of

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Berkeley researchers succeeded in proving the unprovable—uncovering, inarguably and for all time, the secrets of the creation of the universe. *Wrinkles in Time* describes this startling discovery that would usher in a new scientific age—and win Smoot the Nobel Prize in Physics. Who was Carl Sagan? Was he an astronomer, cosmologist, astrophysicist, astrobiologist, author, science popularizer, or science communicator? This picture book, perfect for young kids, will show you. Adya Jha, a twelve-year-old writer, writes a picture book that will take you and the little ones on a journey across his life, to the far reaches of the cosmos, and inspire many to persist and believe.

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

A new cultural icon strode the world stage at the turn of the twenty-first century: the celebrity scientist, as comfortable in *Vanity Fair* and *Vogue* as *Smithsonian*. Declan Fahy profiles eight of these eloquent, controversial, and compelling sellers of science to investigate how they achieved celebrity in the United States and internationally—and explores how their ideas influence our understanding of the world. Fahy traces the career trajectories of Richard Dawkins, Stephen Hawking, Steven Pinker, Neil deGrasse Tyson, Brian Greene, Stephen Jay Gould, Susan Greenfield, and James Lovelock. He demonstrates how each scientist embraced the power of promotion and popularization to stimulate thinking, impact policy, influence research, drive controversies, and mobilize social movements. He also considers critical claims

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that they speak beyond their expertise and for personal gain. The result is a fascinating look into how celebrity scientists help determine what it means to be human, the nature of reality, and how to prepare for society's uncertain future.

The classic first-contact science fiction novel that launched the career of Jack McDevitt, the national bestselling author of *Coming Home*—now revised from the original edition, and featuring a new foreword. From a remote corner of the galaxy a message is being sent. The continuous beats of a pulsar have become odd, irregular...artificial. It can only be a code. Frantically, a research team struggles to decipher the alien communication. And what the scientists discover is destined to shake the foundations of empires around this world—from Wall Street to the Vatican...

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