

## Carl Sagan A Life In The Cosmos

***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.***

***Sometimes intelligent life is right in front of your whiskers. Hsissh is a member of The One. There are some newcomers to The One's homeplanet. They call themselves "humans," and they are, frankly, mentally deficient--they can't warp the quantum world with their minds. However, Hsissh is becoming attached to one of them, a Miss Noa Sato. When The One decide they will wipe out the humans and Noa's life is on the line, Hsissh is forced to take sides ... he might find intelligent life where The One least expect it.***

***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 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.***

***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.***

***Carl Sagan: Celebrated Cosmos Scholar***

**Astronomer**

**The Nature of Life**

**Intelligent Life in the Universe**

**Rituals for Finding Meaning in Our Unlikely World**

"Dazzling...A feast. Absorbing and elegantly written, it tells of theorigins of life on earth, describes its variety and charaacter, and culminates in a discussion of human nature and teh complex traces ofhumankind'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.

Carl SaganA Life in the CosmosHolt Paperbacks

"The cosmic calendar compresses the local history of the universe into a single year. If the universe began on January 1st it was not until May that the Milky Way formed. Other planetary systems may have appeared in June, July and August, but our Sun and Earth not until mid-September. Life arose soon after. We humans appear on the cosmic calendar so recently that our recorded history occupies only the last few seconds of the last minute of December 31st." ~ Carl Sagan Essential CARL SAGAN Quotes Now at Your Fingertips! This little book of quotes by Carl Sagan covers all his profound quotes on science, cosmos, culture, wisdom Makes for a unique gift to those who appreciate profound thoughts and ideas Highly quotable lines you can use (or take inspiration) for your own writing "The total number of stars in the Universe is larger than all the grains of sand on all the beaches of the planet Earth." "We live on a hunk of rock and metal that circles a humdrum star that is one of 400 billion other stars that make up the Milky Way Galaxy which is one of billions of other galaxies which make up a universe which may be one of a very large number, perhaps an infinite number, of other universes. That is a perspective on human life and our culture that is well worth pondering." "For small creatures such as we the vastness is bearable only through love."

Equal parts scientist and public personality, Carl Sagan was one of the most well-known figures of the 20th century. As an adviser to NASA, he helped plan the first moon landing. As an activist, he warned of the dangers of nuclear war. And through his writings and television show, Sagan nurtured the scientific curiosity of audiences around the world, encouraging even the non-scientifically inclined to understand the possibilities that lay in the cosmos and beyond. The remarkable life of the multi-talented Sagan is chronicled within these pages, which survey his personal and professional challenges and his greatest successes.

Carl Sagan

A Vision of the Human Future in Space

Billions & Billions

The Hercules Text

Contact

**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 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**

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

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

**A young reader introduces a boy to the many imaginative worlds that books bring to life.**

**For Small Creatures Such as We**

**A Life in the Cosmos**

**The Varieties of Scientific Experience**

**Classical and Contemporary Perspectives from Philosophy and Science**

**Cosmic Apprentice**

*“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.*

*This sequel to Carl Sagan's blockbuster continues the electrifying journey through space and time, connecting with worlds billions of miles away and envisioning a future of science tempered with wisdom. Based on National Geographic's internationally-renowned television series, this groundbreaking and visually stunning book explores how science and civilization grew up together. From the emergence of life at deep-sea vents to solar-powered starships sailing through the galaxy, from the Big Bang to the intricacies of intelligence in many life forms, acclaimed author Ann Druyan documents where humanity has been and where it is going, using her unique gift of bringing complex scientific concepts to life. With evocative photographs and vivid illustrations, she recounts momentous discoveries, from the Voyager missions in which she and her husband, Carl Sagan, participated to Cassini-Huygens's recent insights into Saturn's moons. This breathtaking sequel to Sagan's masterpiece explains how we humans can glean a new understanding of consciousness here on Earth and out in the cosmos--again reminding us that our planet is a pale blue dot in an immense universe of possibility.*

*Classic of science (and mathematical) fiction – charmingly illustrated by the author – describes the adventures of A. Square, a resident of Flatland, in Spaceland (three dimensions), Lineland (one dimension), and Pointland (no dimensions).*

*"A translation, extension, and revision of [the author's Vselennai?a?, zhizn?, razum]". Bibliography: p. 489-495.*

*A Romance of Many Dimensions*

*Cosmos: Possible Worlds*

*A Biography*

*Comet*

*A Life*

"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 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

Chronicles the life of Carl Sagan from his birth in Brooklyn to becoming an astronomer; discusses his writings and his work with SETI and the Planetary Society; and provides information about careers in astronomy.

"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 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.

RETURNING TO TELEVISION AS AN ALL-NEW MINISERIES ON 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. Cosmos retraces the fourteen billion years of cosmic evolution that have 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, 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 NOTE: This edition does not include images.

A Guide to Life, the Universe, and Why Science is so Awesome

Other Worlds

Carl Sagan and the Mysteries of the Cosmos

Searching for Life in the Galaxy

**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.**

**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.**

**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.**

**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...**

**A Little Book of Essential Quotes on Science, Cosmos, and Wonders**

**A Child of Books**

**Conversations with Carl Sagan**

**Pale Blue Dot**

Shadows of Forgotten Ancestors

In the pursuit of knowledge, Dorion Sagan argues in this dazzlingly eclectic, rigorously crafted, and deliciously witty collection of essays, scientific authoritarianism and philosophical obscurantism are equally formidable obstacles to discovery. As science has become more specialized and more costly, its questing spirit has been constrained by dogma. And philosophy, perhaps the discipline best placed to question orthodoxy, has retreated behind dense theoretical language and arcane topics of learning. Guided by a capacious, democratic view of science inspired by the examples set by his late parents—Carl Sagan, who popularized the study of the cosmos, and Lynn Margulis, an evolutionary biologist who repeatedly clashed with the scientific establishment—Sagan draws on classical and contemporary philosophy to intervene provocatively in often-charged debates on thermodynamics, linear and nonlinear time, purpose, ethics, the links between language and psychedelic drugs, the search for extraterrestrial intelligence, and the occupation of the human body by microbial others. Informed by a countercultural sensibility, a deep engagement with speculative thought, and a hardheaded scientific skepticism, he advances controversial positions on such seemingly sacrosanct subjects as evolution and entropy. At the same time, he creatively considers a wide range of thinkers, from Socrates to Bataille and Descartes to von Uexküll, to reflect on sex, biopolitics, and the free will of Kermit the Frog. Refreshingly nonconformist and polemically incisive, Cosmic Apprentice challenges readers to reject both dogma and cliché and instead recover the intellectual spirit of adventure that should—and can once again—animate both science and philosophy.

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

Meet Carl Sagan, known for his research on extraterrestrial life! Follow Sagan's story as he theorizes on the temperature of Venus's surface, works with NASA to build the Mariner 2, Viking I, and Viking II probes, and creates the popular PBS program Cosmos. Infographics, historic photos, and a glossary enhance readers' understanding of this topic. Additional features include a table of contents, an index, a timeline and fun facts. Aligned to Common Core Standards and correlated to state standards. Checkerboard Library is an imprint of Abdo Publishing, a division of ABDO.

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 visionary voice of the scientific community **Intelligent Life in the Universe /c**I.S. Shklovskii, Carl Sagan ; Authorized Translation by Paul Fern

Cosmos

A Personal View of the Search for God

A Search for who We are

Thoughts on Life and Death at the Brink of the Millennium

*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*

*Reveals the dangers associated with widespread scientific ignorance, and explains how scientific thought has served to overcome prejudice and hysteria*

*Come along for the captivating hunt for planets like our own Envisioning Exoplanets traces the journey of astronomers and researchers on their quest to explore the universe for a planet like Earth. Exoplanets--worlds beyond our solar system--were once dismissed as science fiction. But now, with more than 4,000 confirmed exoplanets, countless possibilities exist for what remains to be uncovered in the universe. This book follows the exhilarating progression of exoplanet research from its earliest stages operating on the fringes of scientific research to the newest developments of renowned agencies around the world searching for planets capable of hosting life.*

*Featuring provocative questions about the universe and more than 200 remarkable illustrations from Michael Carroll, Ron Miller, and other key members of the International Association of Astronomical Artists, Envisioning Exoplanets is an intergalactic visual voyage.*

*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*

*Carl Sagan's Cosmic Connection*

*Fun Science*

*Carl Sagan's Universe*

*The Demon-haunted World*

*The Dragons of Eden*

Welcome, fellow humans (and others), to the the world of FUN SCIENCE! I'm Charlie, also known across the internet as charlieissocoollike. In my book, I take you on an awesome journey through the cosmos, beginning with the Big Bang through to the Solar System and the origins of life on Earth, all the way down to the particles that make up everything around us (including you and me!). Expect frequent digressions, tons of illustrations of not-so-sciencey things (NB a microwave flying through space), and pages packed with my all time favourite mind-bending science facts. So, get ready for a faster-than-the-speed-of-light (OK, not quite) tour of all of the best and most interesting things that science has to offer us... and most importantly: WELCOME TO THE UNIVERSE! (Written by a science fan NOT a scientist!)

Examines humankind’s changing awareness of its place in the universe and the rich potential of human ventures into the world beyond Earth

Bringing together the latest scientific advances and some of the most enduring subtle philosophical puzzles and problems, this book collects original historical and contemporary sources to explore the wide range of issues surrounding the nature of life. Selections ranging from Aristotle and Descartes to Sagan and Dawkins are organised around four broad themes covering classical discussions of life, the origins and extent of natural life, contemporary artificial life creations and the definition and meaning of 'life' in its most general form. Each section is preceded by an extensive introduction connecting the various ideas discussed in individual chapters and providing helpful background material for understanding them. With its interdisciplinary perspective, this fascinating collection is essential reading for scientists and philosophers interested in astrobiology, synthetic biology and the philosophy of life.

The ultimate illustrated guide to the lost world of prehistoric mammals After the mass extinction of the dinosaurs 65 million years ago, mammals became the dominant terrestrial life form on our planet. Roaming the earth were spectacular beasts such as saber-toothed cats, giant mastodonts, immense ground sloths, and gigantic giraffe-like rhinoceroses. Here is the ultimate illustrated field guide to the lost world of these weird and wonderful prehistoric creatures. A woolly mammoth probably won't come thundering through your vegetable garden any time soon. But if one did, this would be the book to keep on your windowsill next to the binoculars. It covers all the main groups of fossil mammals, discussing taxonomy and evolutionary history, and providing concise accounts of the better-known genera and species as well as an up-to-date family tree for each group. No other book presents such a wealth of new information about these animals—what they looked like, how they behaved, and how they were interrelated. In addition, this unique guide is stunningly illustrated throughout with full-color reconstructions of these beasts—many never before depicted—along with photographs of amazing fossils from around the world. Provides an up-to-date guidebook to hundreds of extinct species, from saber-toothed cats to giant mammoths Features a wealth of color illustrations, including new reconstructions of many animals never before depicted Demonstrates evolution in action—such as how whales evolved from hooved mammals and how giraffes evolved from creatures with short necks Explains how mass extinctions and climate change affected mammals, including why some mammals grew so huge

Science as a Candle in the Dark

Flatland

Star Stuff

Organic Matter and the Moon

Dispatches from the Edges of Science