The Dragons Of Eden Speculations On The Evolution Of Human Intelligence

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Untitled on Mars Cambridge University Press

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 decisions about our increasingly technologydriven 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 wellbeing 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 socalled information age, pseudoscience is burgeoning with stories of alien abduction, channeling past lives, and communal hallucinations commanding growing attention and respect. As Sagan Angeles Times How can we make intelligent 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 and a warning of the dangers of unrestrained credulity." —The Sciences "Passionate." —San Francisco Examiner-Chronicle

The Cold and the Dark Timber Press "Crack open this book and take a read. You will be transported, illuminated, and delighted." —Psychology Today Just 125,000 years ago, humanity was on a path to extinction, until a dramatic shift occurred. We used our mental abilities to navigate new terrain and changing climates. We hunted, foraged, tracked tides, shucked oysters—anything we could do to survive. Before long, our species had pulled itself back from the brink and was on more stable ground. What saved us? The human brain—and its evolutionary journey is unlike any other. In A History of the Human Brain, Bret Stetka takes us on this far-reaching journey, explaining exactly how our most mysterious organ developed. From the brain's improbable, watery beginnings to the marvel that sits in the head of Homo sapiens today, Stetka covers an astonishing progression, even tackling future brainy frontiers such as epigenetics and CRISPR. Clearly and expertly told, this intriguing account is the story of who we are. By examining the history of the brain, we can begin to piece together what it truly means to be human.

Carl Sagan's Cosmic Connection Vintage

In this compelling life of Carl Sagan, awardwinning 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.

Oracles of Science MIT Press (MA)
Taking its cue from "The Dragons of
Eden, " Carl Sagan's 1977 bestselling
classic, "Up from Dragons" traces the
development of human intelligence
back to its animal roots in an attempt
to account for the vast differences
between our species and all those that
came before us.

All scientific laws and phenomena illustrated & demonstrated Oxford University Press

"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 —The Washington Post "Comet humanizes 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.

A Critical Analysis National Geographic **Books**

How seeing turns into showing, how empirical observations turn into explanation and evidence. How to produce and consume evidence presentations.

The Dragons of Eden IGI Global 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."

science. A beautiful, interesting book." —United Press International "Masterful . . . science, poetry, and imagination." —The Atlanta Journal & Constitution Intelligent Life in the Universe Ballantine **Books**

This academic text features articles regarding paranormal, extraordinary, or fringe-science claims. It logically examines the claims of astrology; psychic ability; alternative medicine and health claims; after-death communication; cryptozoology; and faith healing, all from a skeptical perspective. Paranormal Claims is a compilation of some of the most eye-opening articles about pseudoscience and extraordinary claims that often reveal logical, scientific explanations, or an outright scam. These articles, steeped in skepticism, teach critical thinking when approaching courses in psychology, sociology, philosophy, education, or science. **Contact Holt Paperbacks**

The author of the acclaimed Proust and the Squid follows up with a lively, ambitious, and deeply informative book that considers the future of the reading brain and our capacity for critical thinking, empathy, and reflection as we become increasingly dependent on digital technologies. A decade ago, Marvanne Wolf's Proust and the Squid revealed what we know about how the brain learns to read and how reading changes the way we think and feel. Since then, the ways we process written language have changed dramatically with many concerned about both their own changes and that of children. New research on the reading brain chronicles these changes in the brains of children and adults as they learn to read while immersed in a digitally dominated medium. Drawing deeply on this research, this book comprises a series of letters Wolf writes to us—her beloved readers—to describe her concerns and her hopes about what is happening to the reading brain as it unavoidably changes to adapt to digital mediums. Wolf raises difficult questions, including: Will children learn to incorporate the full range of "deep

reading" processes that are at the core of the expert reading brain? Will the mix of a seemingly infinite set of distractions for children 's attention and their quick access to immediate, voluminous information alter their ability to think for themselves? With information at their fingertips, will the next generation learn to build their own storehouse of knowledge, which could impede the ability to make analogies and draw inferences from what they know? Will all these influences, in turn, change the formation in children and the use in adults of "slower" cognitive processes like critical thinking, personal reflection, imagination, and empathy that comprise deep reading and that influence both how we think and how we live our lives? Will the chain of digital influences ultimately influence the use of the critical analytical and empathic capacities necessary for a democratic society? How can we preserve deep reading processes in future iterations of the reading brain? Who are the "good readers" of every epoch? Concerns about attention span, critical reasoning, and over-reliance on technology are never just about children-Wolf herself has found that, though she is a reading expert, her ability to read deeply has been impacted as she has become, inevitably, increasingly dependent on screens. Wolf draws on neuroscience, literature, education, technology, and philosophy and blends historical, literary, and scientific facts with down-toearth examples and warm anecdotes to illuminate complex ideas that culminate in a proposal for a biliterate reading brain. Provocative and intriguing, Reader, Come Home is a roadmap that provides a cautionary but hopeful perspective on the impact of technology on our brains and our most essential intellectual capacities—and what this could mean for our future.

A Vision of the Human Future in Space Penguin

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

The Deep History of the Human Body Vintage

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 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

A Personal View of the Search for God Routledge The definitive insider's history of the genetic revolution--significantly updated to reflect the discoveries of the last decade. James D. Watson, the Nobel laureate whose pioneering work helped unlock the mystery of DNA's structure, charts the greatest scientific journey of our time, from the discovery of the double helix to today's controversies to what the future may hold. Updated to include new findings in gene editing, epigenetics, agricultural chemistry, as well as two entirely new chapters on personal genomics and cancer research. This is the most comprehensive and authoritative exploration of DNA's impact--practical, social, and ethical--on our society and our world.

Washington Post

A Neuroscientist's Prescription for Improving Your Brain's Performance HarperCollins 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—selfawareness, 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 fascinating . . . Davidson has done a is a triumph of popular science.

Ballantine Books

This gripping narrative explores today's scientific pursuit of immortality, with exclusive visits inside Silicon Valley labs and interviews with the visionaries who believe we will soon crack into the aging process and are betting their fortunes on laboratory advances to prove aging unnecessary and death a disease that can be cured. Researchers are delving into the mysteries of stem cells and the human genome, discovering what it means to grow old and how to keep those processes from happening. This isn't science fiction: it's real, it's serious, and it's on track to revolutionize our definitions of life and mortality. In Immortality, Inc., veteran science journalist Chip Walter gains exclusive access to the champions of this radical cause, delivering a book that brings together for the first time the visions of molecular biologist and Apple chairman Arthur Levinson, genomics entrepreneur Craig Venter, futurist Ray Kurzweil, rejuvenation trailblazer Aubrey

de Grey, and stem cell expert Robert Hariri. Along the way, Walter weaves in fascinating conversations about life, death, aging, and the future of the human race.

Relics of Eden Emerson Adams PressInc 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. Shadows of Forgotten Ancestors Ballantine **Books**

A penetrating, mesmerizing biography of a scientific icon, now in paperback "Absolutely remarkable job."-Sir Arthur C. Clarke "Engaging . . . 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 cure death. We live in an age when billionaires 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 awardwinning 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. Speculations on the Evolution of Human Intelligence W. W. Norton 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 forwardlooking 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 of Stephen Jay Gould, Richard Dawkins, Edward O. 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 **Comet Knopf**

Kirkus Best Books of the Year (2013) From one of our finest and most popular science writers, and the best-selling author of Your Inner Fish, comes the answer to a scientific mystery as big as the world itself: How are the events that formed our solar system billions of years ago embedded inside each of us? In Your Inner Fish, Neil Shubin delved into the amazing connections between human bodies—our hands, heads, and jaws—and the structures in fish and worms that lived hundreds of millions of years ago. In The Universe Within, with his trademark clarity and exuberance, Shubin takes an even more expansive approach to the question of why we look the way we do. Starting once again with fossils, he turns his gaze skyward, showing us how the entirety of the universe 's fourteen-billionyear history can be seen in our bodies. As he moves from our very molecular composition (a result of stellar events at the origin of our solar system) through the workings of our eyes, Shubin makes clear how the evolution of the cosmos has profoundly marked our own bodies. WITH **BLACK-AND-WHITE LINE DRAWINGS THROUGHOUT**

Broca's Brain The Dragons of EdenSpeculations on the Evolution of Human Intelligence The authors offer an informed analysis on the views Wilson, Carl Sagan, Stephen Hawking and Steven Weinberg; carefully distinguishing science from

philosophy and religion in the writings of the oracles.

The Powerful Evidence of Evolution in Human

DNA McGraw-Hill Companies

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.