

Ageless Quest One Scientist S Search For The Genes

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RORY TRAVIS

Stress Less (for Women) MIT Press

This best-selling comprehensive text shares the excitement of sociology with the acclaimed down-to-earth approach that highlights the sociology of everyday life. The Seventh Edition of this highly regarded text retains all the features that have made previous editions so successful. The author has a unique ability to engage students without sacrificing content or talking down to them. With wit, personal reflection, and illuminating examples, Henslin shares his passion for sociology with his readers like no other author of an introductory text can.

The Shaman's Doorway Global Publishing Group

Introductory Review on Sirtuins in Biology and Disease provides key insights for scientists and advanced students who need to understand sirtuins and the current research in this field. This book is ideal for pharmaceutical companies as they develop novel targets using sirtuins for metabolic diseases, cancer and neurodegenerative illnesses. Sirtuins are a diverse family of proteins, with several members in mammals. The functional diversity of sirtuins is rather broad, and they have been implicated in various central biological processes. Thus, they are also highly relevant in the context of various human diseases, from cancer to neurodegeneration. Covers both the general and specific aspects of sirtuin proteins and their role in biology, aging and disease Presents a top quality collection of leading experts who contribute on a wide range of sirtuin-related topics Ideal resource for pharmaceutical companies as they develop novel targets using sirtuins for metabolic diseases, cancer and neurodegenerative illnesses

Resveratrol MIT Press

A rich and informative exploration of our age-old obsession with "making life." Could an eighteenth-century mechanical duck really digest and excrete its food? Was "the Turk," a celebrated chess-playing and -winning machine fabricated in 1769, a dazzling piece of fakery, or could it actually think? Why was Thomas Edison obsessed with making a mechanical doll—a perfect woman, mass-produced? Can a twenty-first-century robot express human emotions of its own? Taking up themes long familiar from the realms of fairy tales and science fiction, Gaby Wood traces the hidden prehistory of a modern idea—the thinking, hoaxes, and inventions that presaged contemporary robotics and the current experiments with artificial intelligence. Informed by the author's scientific and historical research, Edison's Eve is also a brilliant literary, cultural, and philosophical

examination of the motives that have driven human beings to pursue the creation of mechanical life, and the effects of that pursuit—both in its successes and in its failures—on our sense of what makes us human.

Merchants of Immortality Springer Nature

Methuselah Flies presents a trailblazing project on the biology of aging. It describes research on the first organisms to have their lifespan increased, and their aging slowed, by hereditary manipulation. These organisms are fruit flies from the species *Drosophila melanogaster*, the great workhorse of genetics. Michael Rose and his colleagues have been able to double the lifespan of these insects, and improved their health in numerous respects as well. The study of these flies with postponed aging is one of the best means we have of understanding, and ultimately achieving, the postponement of aging in humans. As such, the carefully presented detail of this book will be of value to research devoted to the understanding and control of aging. *Methuselah Flies*: • is a tightly edited distillation of twenty years of work by many scientists • contains the original publications regarding the longer-lived fruit flies • offers commentaries on each of the topics covered — new, short essays that put the individual research papers in a wider context • gives full access to the original data • captures the scientific significance of postponed aging for a wide academic audience Contents: Creation and Long-term Evolution of *Methuselah Flies* Stress, Resistance, Physiology, and Aging Reproduction, Nutrition, and Aging Genetics and Molecular Biology of *Methuselah Flies* Reverse Evolution of *Methuselah Flies* Aging, Development, and Crowding Readership: Biologists and doctors interested in the study of aging. Keywords: Aging; Evolution; *Drosophila*; Postponed Senescence; Fruit Flies

Ageless Nation Harper Collins

Table of contents

The New York Times Magazine W. W. Norton & Company

"This is by far the best book I've read on the science of aging."—Andrew Weil, M.D. "Life-span Truth Will Set You Free from Age-old Worries," announced the *Chicago Tribune* upon the first publication of this book. The *New England Journal of Medicine* confirmed, "For readers interested in aging and longevity, this small book clearly explains the major concepts...extremely enjoyable to read." From *NBC Nightly News* with Tom Brokaw to *Scientific American* to the *New York Times*, S. Jay Olshansky and Bruce A. Carnes have stirred up controversy and brought clarity to an issue often muddled by exaggeration and pseudoscience. Medical science has uncovered a host of answers to the problems of aging, but many of the most exciting discoveries are buried in scientific journals or overshadowed

by popular quick-fix treatments. The Quest for Immortality explains the real science of aging and shows which treatments offered by today's multi-billion-dollar anti-aging industries offer real hope, and which are a waste of money and time.

The Evolution of Death Penguin

"An accessible and engaging exploration of the mysteries of time." -Brian Greene, author of *The Elegant Universe* Twenty years ago, Stephen Hawking tried to explain time by understanding the Big Bang. Now, Sean Carroll says we need to be more ambitious. One of the leading theoretical physicists of his generation, Carroll delivers a dazzling and paradigm-shifting theory of time's arrow that embraces subjects from entropy to quantum mechanics to time travel to information theory and the meaning of life. From Eternity to Here is no less than the next step toward understanding how we came to exist, and a fantastically approachable read that will appeal to a broad audience of armchair physicists, and anyone who ponders the nature of our world.

Edison's Eve Book Publishing Company

Many scientists today think of the universe as essentially purposeless. Likewise, modern and postmodern philosophers have often been suspicious of any religious claims that the natural world embodies and eternal meaning or teleology. Not all scientific thinkers subscribe to this cosmic pessimism, however, and some would even argue that contemporary knowledge is consistent with a religious sense of cosmic purpose. This stimulating book offers candid reflections on the question of cosmic purpose written both by prominent scientists and by scholars representing the world's religious traditions. Examining the issue from a wide variety of perspectives, this is the only current book to deal with cosmic purpose from an interreligious and interdisciplinary perspective. Here scientists such as physicist Andrei Linde and biologist Francisco Ayala come face to face with Islamic scholar Seyyed Hossein Nasr, Hindu philosopher Anindita Niyogi Balslev, and others. They examine such perplexing issues as the possible existence of multiple universes and the implications of seemingly purposive features in life. The contributions address the question of whether a religiously-based notion of a purposeful cosmos is consistent with the latest scientific understanding of nature, and whether theology can affirm the presence of divine action without contradicting science. These essays will challenge readers to ponder their own place in the cosmos as they seek to interpret the visions of the world's great spiritual traditions in the light of natural science.

[The Ageless Adept](#) Grand Central Publishing

Leading edge intelligence for executive performance for the health-savvy CEO. International author, presenter, researcher and executive coach, Edua Potor, is sharing breakthrough research findings in her definitive book *The Ageless Executive*, providing you with the knowledge, skills and tools you will need to achieve longevity in the boardroom and beyond. As a global executive search researcher, the author interviewed over 15,000 executive candidates and uncovered common traits practiced by ageless executive leaders. These, alongside her own journey, inspired studies and extensive research, culminating in this book. She reveals the critical breakthrough strategies to upgrade your body, melt away excess weight, get younger and rejuvenate your brain! Discover how to achieve extraordinary health and vitality in all areas of your life. Edua exposes ancient secrets and leading-edge scientific information to exceed your own expectations and deliver ongoing peak performance. You will learn: - The 13 powerful healthy obsessions of exceptional executives - How to make water

"wetter" for extraordinary wellbeing and peak performance - The secrets of longevity hidden on your dinner plate - How to achieve superior brain functioning and a competitive edge using super herbs - How to access the unfair advantages leading to high achievement with the latest scientific research on health and longevity - The medical truth about the impact of sleep on your work and in your life, and what to do about it - How to beat adrenaline addiction, avoid burnout, and get your cortisol levels down in less than 3 minutes And so much more to achieve a younger body, brain, mind and spirit. Become the healthy, wealthy and wise CEO today!

The Youth Pill Princeton University Press

"[A] searching and surprisingly witty look at the scientific odds against tomorrow." —Timothy Ferris Jonathan Weiner—winner of the Pulitzer Prize, the National Book Critics Circle Award, and the Los Angeles Times Book Prize, and one of the most distinguished popular science writers in America—examines "the strange science of immortality" in *Long for This World*. A fast-paced, sure-to-astonish scientific adventure from "one of our finest science journalists" (Jonah Lehrer), Weiner's *Long for This World* addresses the ageless question, "Is there a secret to eternal youth?" And has it, at long last, been found?

Long for This World Rowman & Littlefield

From acclaimed journalist Bill Gifford comes a roaring journey into the world of anti-aging science in search of answers to a universal obsession: what can be done about getting old? *SPRING CHICKEN: Stay Young Forever (or Die Trying)* *SPRING CHICKEN* is a full-throttle, high-energy ride through the latest research, popular mythology, and ancient wisdom on mankind's oldest obsession: How can we live longer? And better? In his funny, self-deprecating voice, veteran reporter Bill Gifford takes readers on a fascinating journey through the science of aging, from the obvious signs like wrinkles and baldness right down into the innermost workings of cells. We visit cutting-edge labs where scientists are working to "hack" the aging process, like purging "senescent" cells from mice to reverse the effects of aging. He'll reveal why some people live past 100 without even trying, what has happened with resveratrol, the "red wine pill" that made headlines a few years ago, how your fat tissue is trying to kill you, and how it's possible to unlock longevity-promoting pathways that are programmed into our very genes. Gifford separates the wheat from the chaff as he exposes hoaxes and scams foisted upon an aging society, and arms readers with the best possible advice on what to do, what not to do, and what life-changing treatments may be right around the corner. An intoxicating mixture of deep reporting, fascinating science, and prescriptive takeaway, *SPRING CHICKEN* will reveal the extraordinary breakthroughs that may yet bring us eternal youth, while exposing dangerous deceptions that prey on the innocent and ignorant.

[The Ageless Executive](#) Crown

In *The Youth Pill*, journalist David Stipp explores the scientific battle against aging and the pioneers of the movement to extend lifespan for everyone. He takes readers behind the scenes and introduces us to the key players who are experimenting with the most promising cutting-edge research. It is an informative and provocative read that shows how a small group of optimistic and determined scientists are closing in on drugs that will change the way we live forever.

[Reflections on an Ageless Wisdom](#) Academic Press

"Many scientists today are working to retard the aging process in humans so as to increase both life

expectancy and the quality of life. Over the past decade impressive results have been achieved in targeting the mechanisms and pathways of aging. In *The Quest for Human Longevity*, Lewis D. Solomon considers these scientific studies by exploring the principal biomedical anti-aging techniques. The book also considers cutting edge research on mental enhancements and assesses the scientific doubts of skeptics. *The Quest for Human Longevity* is also about business. Solomon examines eight corporations pursuing various age-related interventions, profiling their scientific founders and top executives, and examining personnel, intellectual property, and financing for each firm. Academic scientists form the link between research and commerce. Solomon notes that the involvement of university scientists and researchers follows one of two models. The first is a traditional model in which scientists leave academia to work for a corporation or remain in academia and obtain business support for their research. The second is a modern model in which scientists use their intellectual property as a catalyst for acquiring equity interests in the firms they organize. Critics have pointed to the dangers of commercialized science, but Solomon's analysis, on balance, finds that the benefits outweigh the costs and that problems of secrecy and conflicts of interest can be addressed. If scientists succeed in unlocking the secrets of aging and developing drugs or therapies that will allow us to live decades longer, the consequences for society will include profound social, political, economic, and ethical questions. Solomon deals with the public policy aspects of significant life extension and looks at the conflict between those who advocate the acceptance of mortality and the partisans of life. *The Quest for Human Longevity* will be of interest to policymakers, sociologists, scientists, and students.

History and Philosophy of the Life Sciences Pearson

This book covers certain legendary leaders from different domains and from different walks of life. Each legendary leader offers valuable leadership lessons. This book brings out insights which classic leadership writings do not usually bring out. Covering the leaders' lives and role modelling, the book comes up with several novel leadership constructs. This book will be relevant to all students, academicians, and practitioners of management and leadership in any walk of life.

Out of the Shadows Oxford University Press on Demand

This booklet answers questions about the mysteries of aging and the search for immortality. It describes some of the current progress in the scientific study of aging and explores social and ethical questions surrounding the real possibility of human lifespan extension.

Legendary Leaders Notion Press

The Care of Life: Transdisciplinary Perspectives in Bioethics and Biopolitics is a striking collection of interdisciplinary essays exploring key debates in, and the relationship between, bioethics and biopolitics.

Sociology Executive Office of the President

From ancient times to the present day, scientifically inclined women in many cultures have had to battle against the traditional belief that men are more cognitively adept than women. At times throughout history, women were persecuted for their attempts to break down traditional gender barriers. Today, women scientists and mathematicians must continue to defend the quality of their work and demand the respect they deserve in the mathematical and scientific communities. *A to Z of Women in Science and Math, Revised Edition* profiles 195 women who fought against these

stereotypes throughout history and all over the world to forge new discoveries and theories that would eventually change the way we view science. This thoroughly revised book updates the story of each individual to the present day and features 38 new profiles. Among the profiles included are those of chemists, astronomers, geologists, environmental scientists, and a range of other professions and careers. In addition, new photographs have been added, and the bibliography has been updated. Subject indexes allow the reader to search by such professions as microbiology and paleontology. Additional subject indexes organize individuals by country of birth, country of major scientific activity, and year of birth.

Best American Science Writing Anchor

"A fountain of youth between two covers."—Boston Herald Gray hair, wrinkles, papery skin, forgetfulness, extra weight around the belly. We all think we know what causes these signs of aging. But what if we've been wrong? In *Stress Less (for Women)*, health and science journalist Thea Singer synthesizes groundbreaking scientific findings from around the world to reveal the true culprit: chronic stress. From the symptoms we see and feel down to the erosion of our DNA, chronic stress literally speeds up our biological clocks. But there is something we can do. This landmark book teaches women not only how to recognize their own triggers—from sleep deprivation and pessimism to over-exercising and dieting—but also offers easy fixes that reverse the damage and stop stress in its tracks.

How We Age Routledge

How recent breakthroughs in longevity research offer clues about human aging All of us would like to live longer, or to slow the debilitating effects of age. In *How We Age*, Coleen Murphy shows how recent research on longevity and aging may be bringing us closer to this goal. Murphy, a leading scholar of aging, explains that the study of model systems, particularly simple invertebrate animals, combined with breakthroughs in genomic methods, have allowed scientists to probe the molecular mechanisms of longevity and aging. Understanding the fundamental biological rules that govern aging in model systems provides clues about how we might slow human aging, which could lead in turn to new therapeutics and treatments for age-related disease. Among other vivid examples, Murphy describes research that shows how changing a single gene in the nematode worm *C. elegans* doubles its lifespan, extending not only the end of life but also the youthful, healthy part of life. Drawing on work in her own lab as well as other recent research, Murphy chronicles the history and current state of the field, explaining longevity's links to reproduction and mating, sensory and cognitive function, inheritances from our ancestors, and the gut microbiome. Written with clarity and wit, *How We Age* provides a guide to the science: what we know about aging, how we know what we know, and what we can do with this new knowledge.

American Scientist World Scientific

A personal, practical, and inspirational guide to written and oral STEM communications for scientists and technical professionals. In *Sharing Our Science*, scientist-turned-writing teacher Brandon Brown offers an eminently useful guidebook for STEM practitioners looking to communicate their technical work to either a technical or a broader audience. Professionals are increasingly required to communicate their work through blogs, podcasts, and newsletters and to submit to traditional media. After seeing his colleagues struggle to find a writing guide that tackled the unique challenges

of writing and speaking about scientific topics, Brown set out to write the definitive handbook to assist STEM students, scientists, engineers, and tech workers alike. In this practical and relevant book, Brown uses his experience as a proven science communicator to cover three levels of writing: fundamental craft considerations, such as narrative tension, structure, sentences, and audience; unique scientific considerations, such as conveying numbers and utilizing metaphors; and finally, social considerations, such as public speaking and writing inside and outside of silos. In place of a

reference manual, Brown's engaging narrative guide clarifies the fundamental principles that impact all scientific communication tasks, from white papers and slide decks to Zoom meetings and emails. *Sharing Our Science* represents the culmination of a lifetime of writing, research, and teaching that will enrich scientists' careers and illuminate the ways in which science is done and conveyed to the world.