

Naturalist Edward O Wilson

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The Theory of Island Biogeography Island Press
Forming a twenty-first-century statement on Darwinian evolution, one shorn of “religious and political dogma,” Edward O. Wilson offers a bold work of scientific thought and synthesis. Asserting that religious creeds and philosophical questions can be reduced to purely genetic and evolutionary components, and that the human body and mind have a physical base obedient to the laws of physics and chemistry, *Genesis* demonstrates that the only way for us to fully understand human behavior is to study the evolutionary histories of nonhuman species. Of these, Wilson demonstrates that at least seventeen—among them the African naked mole rat and the sponge-dwelling shrimp—have been found to have advanced societies based on altruism and cooperation. Whether writing about midges who “dance about like acrobats” or schools of anchovies who protectively huddle “to appear like a gigantic fish,” or proposing that human society owes a debt of gratitude to “postmenopausal grandmothers” and “childless homosexuals,” *Genesis* is a pithy yet path-breaking work of evolutionary theory, braiding twenty-first-century scientific theory with the lyrical biological and humanistic observations for which Wilson is known.

In Search of Nature Island Press

From this historic collaboration between a beloved naturalist and a great American photographer emerges a South we’ve never encountered before. Entranced by Edward O. Wilson’s mesmerizing evocation of his Southern childhood in *The Naturalist* and *Anthill*, Alex Harris approached the scientist about collaborating on a book about Wilson’s native world of Mobile, Alabama. Perceiving that Mobile was a city small enough to be captured through a lens yet old enough to have experienced a full epic cycle of tragedy and rebirth, the photographer and the naturalist joined forces to capture the rhythms of this storied Alabama Gulf region through a swirling tango of lyrical words and breathtaking images. With Wilson tracing his family’s history from the Civil War through the Depression—when mule-driven wagons still clogged the roads—to Mobile’s racial and environmental struggles to its cultural triumphs today, and with Harris stunningly capturing the mood of a radically transformed city that has adapted to the twenty-first century, the book becomes a universal story, one that tells us where we all come from and why we are here.

World Scientific

“An audacious and concrete proposal...Half-Earth completes the 86-year-old Wilson’s valedictory trilogy on the human animal and our place on the planet.” —Jedediah Purdy, *New Republic*
In his most urgent book to date, Pulitzer Prize-winning author and world-renowned biologist Edward O. Wilson states that in order to stave off the mass extinction of species, including our own, we must move swiftly to preserve the biodiversity of our planet. In this “visionary blueprint for saving the planet” (Stephen Greenblatt), *Half-Earth* argues that the situation facing us is too large to be solved piecemeal and proposes a solution commensurate with the magnitude of the problem: dedicate fully half the surface of the Earth to nature. Identifying

actual regions of the planet that can still be reclaimed—such as the California redwood forest, the Amazon River basin, and grasslands of the Serengeti, among others—Wilson puts aside the prevailing pessimism of our times and “speaks with a humane eloquence which calls to us all” (Oliver Sacks).

The Meaning of Human Existence W. W. Norton & Company

“Brimming with ideas. . . . The Origins of Creativity approach[es] creativity scientifically but sensitively, feeling its roots without pulling them out.”—Economist
In a stirring exploration of human nature recalling his foundational work *Consilience*, Edward O. Wilson offers a “luminous” (Kirkus Reviews) reflection on the humanities and their integral relationship to science. Both endeavors, Wilson argues, have their roots in human creativity—the defining trait of our species. By studying fields as diverse as paleontology, evolution, and neurobiology, Wilson demonstrates that creative expression began not 10,000 years ago, as we have long assumed, but more than 100,000 years ago in the Paleolithic Age. A provocative investigation into what it means to be human, *The Origins of Creativity* reveals how the humanities have played an unexamined role in defining our species. With the eloquence, optimism, and pioneering inquiry we have come to expect from our leading biologist, Wilson proposes a transformational “Third Enlightenment” in which the blending of science and humanities will enable a deeper understanding of our human condition, and how it ultimately originated.

Biophilia W. W. Norton & Company

Focusing on the interrelationship of wild nature and human nature, a

collection of short writings and essays explores "Animal Nature, Human Nature," "The Patterns of Nature," and "Nature's Abundance"

[Naturalist](#) University Alabama Press

The Pulitzer Prize-winning authors of *Ants* present a lavishly detailed account of the extraordinary lives of social insects that draws on more than two decades of research and offers insight into how bees, termites, and other insect societies thrive in systems of altruistic cooperation, complex communication, and labor division. 50,000 first printing.

Anthill: A Novel HarperCollins

The author, a professor of entomology at Harvard, looks back on his life, education, and career, and discusses his work.

Consilience Vintage

The ebook is designed to be read on devices with large color displays

The Kindle edition is incompatible with iOS. See below for a list of supported devices. This second volume of *Sapiens: A Graphic History*, the full-color graphic adaptation of Yuval Noah Harari's

#1 New York Times bestseller, focuses on the Agricultural Revolution—when humans fell into a trap we've yet to escape:

working harder and harder with diminishing returns. What if

humanity's major woes—war, plague, famine and

inequality—originated 12,000 years ago, when *Homo sapiens*

converted from nomads to settlers, in pursuit of the fantasy of

productivity and efficiency? What if by seeking to control plants and

animals, humans ended up being controlled by kings, priests, and

Kafkaesque bureaucracy? Volume 2 of *Sapiens: A Graphic History* –

The Pillars of Civilization explores a crucial chapter in

human development: the Agricultural Revolution. This is the story of

how wheat took over the world; how an unlikely marriage between a

god and a bureaucrat created the first empires; and how war, plague,

famine, and inequality became an intractable feature of the human

condition. But it's not all doom and gloom with this book's cast of

entertaining characters and colorful humorous scenes. Yuval, Zoe,

Prof. Saraswati, Cindy and Bill (now farmers), Detective Lopez, and

Dr. Fiction, all introduced in Volume 1, once again travel the length

and breadth of human history, this time investigating the impact the

Agricultural Revolution has had on our species. The cunning

Mephisto shows them how to ensnare humans, King Hammurabi

lays down the law, and Confucius explains harmonious society. The

origins of modern farming are introduced through Elizabethan

tragedy; the changing fortunes of domesticated plants and animals

are tracked in the columns of the *Daily Business News*; the story of

urbanization is portrayed as a travel brochure, offering discount

journeys to ancient Babylon and China; and the history of inequality

unfolds in a superhero detective story; with guest appearances by

historical and cultural personalities throughout such as Thomas

Jefferson, Scarlett O'Hara, Margaret Thatcher, and John Lennon.

Sapiens: A Graphic History, Volume 2 is a radical, witty and colorful

retelling of the story of humankind for adults and young adults, and

can be read on its own or in sequence with Volume 1.

The Teeth of the Comb & Other Stories Harvard University Press

When this work was first published it started a tumultuous round in

the age-old nature versus nurture debate. It shows how research in

human genetics and neuroscience has strengthened the case for

biological understanding of human nature.

Half-Earth: Our Planet's Fight for Life Liveright Publishing

An up-to-date and comprehensive herpetological guide to Alabama Lizards

and Snakes of Alabama is the most comprehensive taxonomy gathered

since Robert H. Mount's seminal 1975 volume on the reptiles and

amphibians of Alabama. This richly illustrated guide provides an up-to-

date summary of the taxonomy and life history of lizards and snakes native

to, or introduced to, the state. Alabama possesses one of the most species-

rich biotas in north temperate areas and this richness is reflected in some

groups of lizards, such as skinks, and especially in snakes. The authors

examine all known species within the state and describe important regional

variations in each species, including changes in species across the many

habitats that comprise the state. Significant field studies, especially of

Alabama's threatened and endangered species, have been performed and

are used to inform discussion of each account. The life-history entry for

each species is comprised of scientific and common names, full-color

photographs, a morphological description, discussion of habits and life

cycle, and a distribution map depicting the species range throughout the

state, as well as notes on conservation and management practices. The

illustrated taxonomic keys provided for families, genera, species, and

subspecies are of particular value to herpetologists. This extensive guide

will serve as a single resource for understanding the rich natural history of

Alabama by shedding light on an important component of that

biodiversity. Accessible to all, this volume is valuable to both the

professional herpetologist and the general reader interested in snakes and

lizards.

The Superorganism Vintage

Population theory.

Genesis: The Deep Origin of Societies W. W. Norton & Company

The Pulitzer Prize-winning author of *On Human Nature* promotes a

bold new alliance between science and religion to defend living

Nature (*The Creation*) by joining forces to preserve Earth's

threatened biodiversity. 70,000 first printing.

Why We Are Here Harvard University Press

The two-time Pulitzer Prize – winning biologist delivers "an

astonishing literary achievement" (Anthony Gottlieb, *The Economist*). Winner of the 2010 Heartland Prize, *Anthill* follows

the thrilling adventures of a modern-day Huck Finn, enthralled

with the "strange, beautiful, and elegant" world of his native

Nokobee County. But as developers begin to threaten the

endangered marshlands around which he lives, the book's hero

decides to take decisive action. Edward O. Wilson—the

world's greatest living biologist—elegantly balances glimpses of

science with the gripping saga of a boy determined to save the

world from its most savage ecological predator: man himself.

The Origins of Creativity Liveright Publishing

The remarkable story of how one of the most biologically diverse habitats

in the world was destroyed, restored, and continues to evolve—with

stunning, full-color photographs by two of the world's best wildlife

photographers. *A Window on Eternity* is a stunning book of splendid prose

and gorgeous photography about one of the biologically richest places in

Africa and perhaps in the world. Gorongosa National Park in Mozambique

was nearly destroyed in a brutal civil war, then was reborn and is now

evolving back to its original state. Edward O. Wilson's personal,

luminous description of the wonders of Gorongosa is beautifully

complemented by Piotr Naskrecki's extraordinary photographs of the

park's exquisite natural beauty. A bonus DVD of Academy

Award – winning director Jessica Yu's documentary, *The Guide*, is also

included with the book. Wilson takes readers to the summit of Mount

Gorongosa, sacred to the local people and the park's vital watershed.

From the forests of the mountain he brings us to the deep gorges on the

edge of the Rift Valley, previously unexplored by biologists, to search for

new species and assess their ancient origins. He describes amazing animal

encounters from huge colonies of agricultural termites to specialized raider

ants that feed on them to giant spiders, a battle between an eagle and a

black mamba, "conversations" with traumatized elephants that survived

the slaughter of the park's large animals, and more. He pleads for

Gorongosa—and other wild places—to be allowed to exist and evolve in its

timeless way uninterrupted into the future. As he examines the near

destruction and rebirth of Gorongosa, Wilson analyzes the balance of

nature, which, he observes, teeters on a razor's edge. Loss of even a single

species can have serious ramifications throughout an ecosystem, and yet we

are carelessly destroying complex biodiverse ecosystems with unknown

consequences. The wildlands in which these ecosystems flourish gave birth

to humanity, and it is this natural world, still evolving, that may outlast us

and become our legacy, our window on eternity.

A Window on Eternity W. W. Norton & Company

In this pathbreaking and far-reaching work George Oster and

Edward Wilson provide the first fully developed theory of caste

evolution among the social insects. Furthermore, in studying the

effects of natural selection in generally increasing the insects'

ergonomic efficiency, they go beyond the concentration of

previous researchers on the physiological mechanisms of the

insects and turn our attention instead to the scale and efficiency

of the insects' division of labor. Recognizing that the efficiency of the insect colony is based on a complex fitting of the division of labor to many simultaneous needs, including those imposed by the distribution of resources and enemies around the nest, Professors Oster and Wilson are able to construct a series of mathematical models to characterize the agents of natural selection that promote particular caste systems. The social insects play a key role in the subject of sociobiology because their social organization is so rigid and can be related to genetic evolution. Because of this important consideration, the authors' work has consequences not only for entomology but also for general evolutionary theory.

The Future of Life Harvard University Press

Pulitzer Prize – winning biologist Edward O. Wilson imparts the wisdom of his storied career to the next generation. Edward O. Wilson has distilled sixty years of teaching into a book for students, young and old. Reflecting on his coming-of-age in the South as a Boy Scout and a lover of ants and butterflies, Wilson threads these twenty-one letters, each richly illustrated, with autobiographical anecdotes that illuminate his career—both his successes and his failures—and his motivations for becoming a biologist. At a time in human history when our survival is more than ever linked to our understanding of science, Wilson insists that success in the sciences does not depend on mathematical skill, but rather a passion for finding a problem and solving it. From the collapse of stars to the exploration of rain forests and the oceans' depths, Wilson instills a love of the innate creativity of science and a respect for the human being's modest place in the planet's ecosystem in his readers.

Primates Princeton University Press

Introduces the lives and work of three eminent primatologists, shares insights into their educations under mentor Louis Leakey, while exploring their pivotal contributions to twentieth-century natural science.

Scientist Library of America

A masterful, timely, fully authorized biography of the great and hugely influential biologist and naturalist E. O. Wilson, one of the most ground-breaking and controversial scientists of our time—from the Pulitzer Prize-winning author of *The Making of the Atomic Bomb* “An impressive account of one of the 20th century's most prominent biologists, for whom the natural world is ‘a sanctuary and a realm of boundless adventure; the

fewer the people in it, the better.’ ” —The New York Times Book Review Few biologists in the long history of that science have been as productive, as ground-breaking and as controversial as the Alabama-born Edward Osborne Wilson. At 91 years of age he may be the most eminent American scientist in any field. Fascinated from an early age by the natural world in general and ants in particular, his field work on them and on all social insects has vastly expanded our knowledge of their many species and fascinating ways of being. This work led to his 1975 book *Sociobiology*, which created an intellectual firestorm from his contention that all animal behavior, including that of humans, is governed by the laws of evolution and genetics. Subsequently Wilson has become a leading voice on the crucial importance to all life of biodiversity and has worked tirelessly to synthesize the fields of science and the humanities in a fruitful way. Richard Rhodes is himself a towering figure in the field of science writing and he has had complete and unfettered access to Wilson, his associates, and his papers in writing this book. The result is one of the most accomplished and anticipated and urgently needed scientific biographies in years.

Life National Geographic Books

Weaves together more than twenty letters that illuminate the author's career and his motivations for becoming a biologist, explaining how success in the sciences depends on a passion for finding a problem and solving it.

Biodiversity Macmillan

Wonderful short stories that sharpen awareness, from a brilliantly gifted Syrian refugee Personified animals (snakes, wolves, sheep), natural things (a swamp, a lake, a rainbow, trees), mankind's creations (trucks, swords, zeroes) are all characters in *The Teeth of the Comb*. They aspire, they plot, they hope, they destroy, they fail, they love. These wonderful small stories animate new realities and make us see our reality anew. Reading Alomar's sly moral fables and sharp political allegories, the reader always sits up a little straighter, and a little wiser. Here is the title story: Some of the teeth of the comb were envious of the class differences that exist between humans. They strived desperately to increase their height, and, when they succeeded, began to look with disdain on their colleagues below. After a little while the comb's owner felt a desire to comb his hair. But when he found the comb in this state he threw it in the garbage.