

Coelacanth The Living Fossil Weird Wonders Of The Deep

The story of the discovery of a coelacanth, a fish thought to be extinct for seventy million years, and its study by an eccentric ichthyologist is dramatically presented in a work that discusses the specie's habits, habitat, number, diet, reproduction, and more

Presents arguments for and against the existence of five notable cryptids and challenges the pseudoscience

that furthers their legendary statuses, while providing an exploration of the nature and subculture of cryptozoology. This textbook examines selected groups of marine organisms within a framework of basic biological principles and processes. With attention to taxonomic, evolutionary, ecological, behavioral, and physiological aspects of biological study, the book contains chapters on habitat, patterns of association, phytoplankton, marine plants, protozoans and inv

Reveals how Darwin's study

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of fossils shaped his scientific thinking and led to his development of the theory of evolution. Darwin's Fossils is an accessible account of Darwin's pioneering work on fossils, his adventures in South America, and his relationship with the scientific establishment. While Darwin's research on Galápagos finches is celebrated, his work on fossils is less well known. Yet he was the first to collect the remains of giant extinct South American mammals; he worked out how coral reefs and atolls formed; he excavated and explained

marine fossils high in the Andes; and he discovered a fossil forest that now bears his name. All of this research was fundamental in leading Darwin to develop his revolutionary theory of evolution. This richly illustrated book brings Darwin's fossils, many of which survive in museums and institutions around the world, together for the first time. Including new photography of many of the fossils--which in recent years have enjoyed a surge of scientific interest--as well as superb line drawings

produced in the nineteenth century and newly commissioned artists' reconstructions of the extinct animals as they are understood today, Darwin's Fossils reveals how Darwin's discoveries played a crucial role in the development of his groundbreaking ideas.

Language Network

Living Fossils

The Story of the Coelacanth

The Natural Limits to

Biological Change

Midwestern Strange

And Other True Tales of

Madness, Love, and the

History of the World from the

Periodic Table of the Elements

Describes animals that have remained unchanged for thousands of years, including the horseshoe crab, the nautilus, the tuatara, the coelacanth, crocodiles, the komodo dragon, and cockroaches

Questions and answers provide information on such topics as general science, earth and space, the human body, and plants and animals.

"Oceans cover about 70 percent of Earth's surface, so it is by far the largest of the biomes. Find out about the plants and animals

that live there."

From New York Times bestselling author Sam Kean comes incredible stories of science, history, finance, mythology, the arts, medicine, and more, as told by the Periodic Table. Why did Gandhi hate iodine (I, 53)? How did radium (Ra, 88) nearly ruin Marie Curie's reputation? And why is gallium (Ga, 31) the go-to element for laboratory pranksters?* The Periodic Table is a crowning scientific achievement, but it's also a treasure trove of adventure, betrayal, and obsession. These fascinating tales follow every element on the table as they play

out their parts in human history, and in the lives of the (frequently) mad scientists who discovered them. THE DISAPPEARING SPOON masterfully fuses science with the classic lore of invention, investigation, and discovery--from the Big Bang through the end of time. *Though solid at room temperature, gallium is a moldable metal that melts at 84 degrees Fahrenheit. A classic science prank is to mold gallium spoons, serve them with tea, and watch guests recoil as their utensils disappear.

Weird & Wonderful Fish
Why Evolution is True
Survivors from Earth's

Distant Past

Origins of the Yeti, Nessie,
and other Famous Cryptids

Abominable Science

The Disappearing Spoon

Combines photographs and
illustrations with facts and scientific
principles in a volume that covers
nature's great events, animals,
microscopic marvels, heavenly
amazements, and forces of nature.

AN EXCEPTIONAL FOLLOW-
UP TO THE POPULAR FIRST
TITLE IN THE SERIES, LIVING
FOSSILS IS A UNIQUE AND
EXCITING EDUCATIONAL
RESOURCE, PERFECT FOR A
STANDALONE UNIT STUDY
OR INTEGRATION INTO

YOUR COMPREHENSIVE EDUCATION PROGRAM.

Describes the history and legends behind real and mythical monsters, such as dinosaurs, Medusa, giants, and fairies.

Describes the physical characteristics, behavior, and habitat of the coelacanth.

Living Fossil: The Story of the
Coelacanth

School Library Journal

The biology of *Latimeria chalumnae*
and evolution of coelacanths

To the Bottom of the Sea

Secrets of the Coelacanth

The Amazing Coelacanth

Time Is The Fire recounts a day in the
existence of Leopold Bloom O Boyle,

chronophobe, travel writer, would-be novelist, and husband of the Reverend Annabel Chance. The day is September 8, 1992, and the place is Harvard Square and environs. Like his namesake, Leo dips into and out of a stream of consciousness as he considers and reconsiders the most important decision of his life.

Audisee® eBooks with Audio combine professional narration and sentence highlighting to engage reluctant readers! In the history of life on this planet, 99.9 percent of all species have gone extinct. But a few have survived almost unchanged. Author Rebecca E. Hirsch introduces readers to six living fossils, including the chambered nautilus, the horseshoe crab with its sticky blue blood, and venomous platypuses that sting, as

well as a comprehensive explanation of evolution and extinction for readers who may not be familiar with the terms yet. Readers will also discover a a spectacular timeline of the history of animal life on Earth. Dive into the stories of these incredible animals and find out how they help scientists piece together evolutionary history.

The Acambaro collection comprises hundreds of clay figurines that are apparently thousands of years old; however, they depict such bizarre animals and scenes that most archaeologists dismiss them as an elaborate hoax. The collection shows humans interacting with dinosaurs and various other 'monsters' such as horned men. Both Hapgood and Earl Stanley Gardner were convinced that the

figurines from Acambaro were authentic ancient artifacts that indicated that men and dinosaurs had cohabited together in the recent past, and that dinosaurs had not become extinct many millions of years ago as commonly thought. David Hatcher Childress writes a lengthy introduction concerning Acambaro, the latest testing, and other evidence of 'living' dinosaurs.

A humorous and informative book, debunking a range of commonly held myths about animals. Camels store water in their humps and magpies love to steal shiny objects. Or do they? A must-read in the Everything you Know series, this book debunks a range of old-cod stories about animals in author Matt Brown's inimitable humorous and fascinating style. Covering everything from the myth

that lemmings throw themselves off cliffs in suicide (they don't, but on occasion some just fall off) to the one about bats being blind (they're not, and they can see but use the more sophisticated echolocation for certain hunting). From head in the sand ostriches to cats landing on their feet, a wealth of information on our beloved pets to creepy crawlies and wild giants, this book will set the marvel of the animal world straight. Plus, there are special features on the odd diets of animals and how wrongly they are portrayed in the movies. All the old stories and myths about animals we've had since childhood are gleefully debunked in a hugely entertaining book.

Grammar, Writing, Communication
Science
Immortal

Mystery Fish

The Search for the Coelacanth

A Living Fossil

Looks at unusual fish from around the world, including the leafy sea dragon, the sawfish, and the porcupine fish.

The sudden appearance of a living dinosaur could hardly have surprised scientists more than the strange "fish with legs" that was caught off the coast of South Africa in 1938. Thought to be extinct for thirty million years, this living coelacanth started a South African ichthyologist, Dr. J.L.B. Smith, on a fourteen year search as exciting as any detective story.

This colourful illustrated children's book is aimed at ages 9-14. It recounts the discovery of the first coelacanth in modern times – a fish that had been thought to be extinct for many millions of years, and was known only from its fossil record. In 1939, a specimen was hauled ashore in a fishing net off the South African coast near East London, and its identification as a coelacanth made world news. Chemistry professor JLB Smith identified the fish and dedicated the rest of his life to searching for live specimens and researching the science surrounding this evolutionary phenomenon. This

book, by ichthyologist Mike Bruton, uncovers: the mystery of the coelacanth and the thrilling story of its discovery, its strange appearance and lifestyle, what makes it so special, how it evolved – and what this has to do with human evolution, how and what it eats, and who eats it. These and many other details provide insight into this amazing fish and its marine companions. Off the coast of Southern Africa a fishing boat drags in a strange creature. A museum curator and a fish expert realize that they are looking at an animal from another time. This is a tale of modern science - chance

capture, international rivalry and the obsessive personalities of the scientists. The coelacanth lives in the deep waters around one group of tiny islands. Why? Can it survive? What other forgotten creatures remain to be discovered?

Introduction to the Biology of Marine Life

Darwin's Lost World

The Exploration of Exotic Life, the Titanic, and Other Secrets of the Oceans

White Mountain

Hunting Monsters, Martians, and the Weird in Flyover Country

1000 Wonders of Nature

This is a book of theories, of

possibilities, concepts, dreams, and speculations, based upon a lot of hard (and soft) evidence and a lot of reaching beyond the boundaries of the known into that gray zone, where, heck, let's face it, anything is possible. It is exciting and fun and intriguing and just might resonate with others out there who have had unusual experiences that couldn't be duplicated in a lab or reduced to a math equation. It is one truth in a multiverse of truths waiting to be discovered, if that is at all possible. There isn't a scientist, skeptic, student, or sage alive who knows the ultimate reality of reality. All we can do is guess, and hope that maybe, when we leave this earth, we might get a glimpse of truth. But that's what makes it so exciting ... the guessing. The hope.

For all the discussion in the media about creationism and 'Intelligent Design', virtually nothing has been said about the evidence in question - the evidence for evolution by natural selection. Yet, as this succinct and important book shows, that evidence is vast, varied, and magnificent, and drawn from many disparate fields of science. The very latest research is uncovering a stream of evidence revealing evolution in action - from the actual observation of a species splitting into two, to new fossil discoveries, to the deciphering of the evidence stored in our genome. Why Evolution is True weaves together the many threads of modern work in genetics, palaeontology, geology, molecular biology, anatomy, and development to demonstrate the 'indelible stamp' of the processes first

proposed by Darwin. It is a crisp, lucid, and accessible statement that will leave no one with an open mind in any doubt about the truth of evolution.

Grade 11.

Midwestern Strange chronicles B.J. Hollars's exploration of the mythic, lesser-known oddities of flyover country. The mysteries, ranging from bipedal wolf sightings to run-ins with pancake-flipping space aliens to a lumberjack-inspired "Hodag hoax," make this book a little bit X-Files, a little bit Ghostbusters, and a whole lot of Sherlock Holmes. Hollars's quest is not to confirm or debunk these mysteries but rather to seek out these unexplained phenomena to understand how they complicate our worldview and to discover what truths might be gleaned by reexamining the facts in our "post-truth" era. Part

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memoir and part journalism, *Midwestern Strange* offers a fascinating, funny, and quirky account of flyover folklore that also contends with the ways such oddities retain cultural footholds. Hollars shows how grappling with such subjects might fortify us against the glut of misinformation now inundating our lives. By confronting monsters, Martians, and a cabinet of curiosities, we challenge ourselves to look beyond our presumptions and acknowledge that just because something is weird, doesn't mean it is wrong.

Time is the Fire

Living Fossil

History of the Coelacanth Fishes

Link

Oceans and Beaches

A Journey into the 3.5-Billion-Year

History of the Human Body

"An engrossing tale of obsession, adventure and scientific reasoning."
-Betty Ann Kevles, Los Angeles Times

The coelacanth (see-lo-canth) is no ordinary fish. Five feet long, with luminescent eyes and limb like fins, this bizarre creature, presumed to be extinct, was discovered in 1938 by an amateur ichthyologist who recognized it from fossils dating back 400 million years. The discovery was immediately dubbed the "greatest scientific find of the century," but the excitement that ensued was even more incredible. This is the entrancing story of that most rare and precious fish -- our own great-uncle forty million times removed.

The oceans may well be Earth's final frontier. These dark and sometimes mysterious waters cover 71 percent of the surface area of the globe and have

yet to be fully explored, Under the waves, a watery world of frail splendor, foreboding creatures, and sights beyond imagination awaits. The Ocean Book will teach you about: Giant squid and other "monsters" of the seas Centuries of ocean exploration Hydrothermal vents The ingredients that make up the ocean Harnessing the ocean's energy Icebergs Coral reefs Ships, submarines, and other ocean vessels The major ocean currents El Nino, whirlpools, and hurricanes Harvesting the oceans' resources Whales, dolphins, fish, and other sea creatures Learning about the oceans and their hidden contents can be exciting and rewarding. The abundance and diversity of life, the wealth of resources, and the simple mysteries there have intrigued explorers and

scientist for centuries. A better understanding of our oceans ensures careful conservation of their grandeur and beauty for future generations, and leads to a deeper respect for the delicate balance of life on planet Earth. Examines the coelacanth, a type of fish that scientists thought had become extinct during the time of dinosaurs, until a live one was discovered in 1938.

The Ocean Book

Weird Shadows Over Innsmouth

Mystery in Acambaro

Monsters

The Kingfisher Encyclopedia of
Questions and Answers

Animals that Have Withstood the Test
of Time

In recent times, the boundary between living and non-living has been blurred by advances in genomics, cell biology,

and molecular neuroscience, whereby humans are repaired, enhanced, or made anew. Scientists and physicians are now able to keep cells, organs, and bodies alive indefinitely and can return cells or DNA to our bodies and make new cells for the purpose of treating disease or growing new tissue. Meanwhile, transhuman technologies create illusions of immortality. *Immortal: Our Cells, DNA, and Bodies* synthesizes what we know about life and death from a genetic, molecular, and cellular perspective, demarcates limits of knowledge, and poses new questions. Award-winning researcher and writer David Goldman examines in-depth three keys to understanding the nature and continuity of life: 1) epigenetic (ephemeral) vs genetic (durable) transgenerational memory; 2) life's

cellular nature, and the ability to make bodies from cells; and 3) the distinction between bodies and persons. Grounded in recent scientific evidence and real-life cases that test our historical understanding of life and death, Goldman probes the nature of molecular continuity in the face of mortal extinction, encompassing how changes to the DNA code can be both long-lasting and transgenerational, and the continuous nature of cellular and molecular information transmission. In tying these themes together, *Immortal* asks us to apply fresh scientific concepts to examine, for ourselves, the continuity of being in the face of mortality. Applies recent genetic, molecular and cellular findings to examine the boundaries between living and non-living, and between person and non-person Examines the

significance of epigenetic memory and transgenerational inheritance and their uses in molecular and precision medicine Written by a thought-leader in genetic and molecular medicine Examines different methods and technologies of undersea exploration, both past and present, the scientific discoveries that have been made, and the shipwrecks that have been explored.

This book evaluates the reputation of the coelacanth, presenting up-to-date accounts of the structure of fossil coelacanths, and suggests a family history to show that there have been subtle but significant changes in coelacanth history.

The paleontologist and professor of anatomy who co-discovered Tiktaalik, the “fish with hands,” tells a “compelling scientific adventure story

that will change forever how you understand what it means to be human” (Oliver Sacks). By examining fossils and DNA, he shows us that our hands actually resemble fish fins, our heads are organized like long-extinct jawless fish, and major parts of our genomes look and function like those of worms and bacteria. Your Inner Fish makes us look at ourselves and our world in an illuminating new light. This is science writing at its finest—enlightening, accessible and told with irresistible enthusiasm.

Everything You Know About Animals is Wrong

SLJ.

Our Cells, DNA, and Bodies

Coelacanth

Search for a Living Fossil

A Fish Caught in Time

Darwin made a powerful argument

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for evolution in the Origin of Species, based on all the evidence available to him. But a few things puzzled him. One was how inheritance works - he did not know about genes. This book concerns another of Darwin's Dilemmas, and the efforts of modern palaeontologists to solve it. What puzzled Darwin is that the most very ancient rocks, before the Cambrian, seemed to be barren, when he would expect them to be teeming with life. Darwin speculated that this was probably because the fossils had not been found yet. Decades of work by modern palaeontologists have indeed brought us amazing fossils from far beyond the Cambrian, from

the depths of the Precambrian, so life was certainly around. Yet the fossils are enigmatic, and something does seem to happen around the Cambrian to speed up evolution drastically and produce many of the early forms of animals we know today. In this book, Martin Brasier, a leading palaeontologist working on early life, takes us into the deep, dark ages of the Precambrian to explore Darwin's Lost World. Decoding the evidence in these ancient rocks, piecing together the puzzle of what happened over 540 million years ago to drive what is known as the Cambrian Explosion, is very difficult. The world was vastly different then from the one we know

now, and we are in terrain with few familiar landmarks. Brasier is a master storyteller, and combines the account of what we now know of the strange creatures of these ancient times with engaging and amusing anecdotes from his expeditions to Siberia, Outer Mongolia, Barbuda, and other places, giving a vivid impression of the people, places, and challenges involved in such work. He ends by presenting his own take on the Cambrian Explosion, based on the picture emerging from this very active field of research. A vital clue involves worms - burrowing worms are one of the key signs of the start of the Cambrian. This is fitting: Darwin was inordinately fond of

worms.

Home to mythical kingdoms, wars and expeditions, and strange and magical beasts, the Himalayas have always loomed tall in our imagination. These mountains, home to Buddhists, Bonpos, Jains, Muslims, Hindus, shamans, and animists, to name only a few, are a place of pilgrimage and dreams, revelation and war, massacre and invasion, but also peace and unutterable calm. They are a central hub of the world's religion, as well as a climber's challenge and a traveler's dream. In an exploration of the region's seismic history, Robert Twigger, author of *Red Nile and Angry White Pyjamas*, unravels some of these seemingly

disparate journeys and the unexpected links between them. Following a winding path across the Himalayas to its physical end in Nagaland on the Indian-Burmese border, Twigger encounters incredible stories from a unique cast of mountaineers and mystics, pundits and prophets. The result is a sweeping, enthralling and surprising journey through the history of the world's greatest mountain range.

For decades, H. P. Lovecraft's masterpiece of terror has inspired writers with its gripping account of a village whose inhabitants have surrendered to an ancient and hideous evil. In this companion to the acclaimed anthology *Shadows*

Over Innsmouth, World Fantasy Award winning editor Stephen Jones has assembled eleven of today's most prominent and well-respected horror authors - the finest of the Lovecraftian acolytes.. Included is Lovecraft's own unpublished draft of The Shadow Over Innsmouth. "Introduction: Weird Shadows..." by Stephen Jones "Discarded Draft of 'The Shadows Over Innsmouth'" by H. P. Lovecraft "The Quest for Y'hantlei" by John Glasby "Brackish Waters" by Richard A. Lupoff "Voices in the Water" by Basil Copper "Another Fish Story" by Kim Newman "Take Me to the River" by Paul McAuley "The Coming" by Hugh B. Cave "Eggs" by Steve

Rasnic Tem "From Cabinet 34,
Drawer 6" by Caitlín R. Kiernan
"Raised by the Moon" by Ramsey
Campbell "Fair Exchange" by
Michael Marshall Smith "The Taint"
by Brian Lumley
The Collection That Shaped the
Theory of Evolution
Easyread Large Bold Edition
The Living Fossil
The hidden history of animal life
Your Inner Fish
Darwin's Fossils