**40 Years of Evolution**
*Darwin’s Finches on Daphne Major Island*
Peter R. Grant, B. Rosemary Grant
Princeton University Press (2014)

**Summary:**
Renowned evolutionary biologists Peter and Rosemary Grant have produced landmark studies of the Galápagos finches first made famous by Charles Darwin. In *How and Why Species Multiply*, they offered a complete evolutionary history of Darwin's finches since their origin almost three million years ago. Now, in their richly illustrated new book, *40 Years of Evolution*, the authors turn their attention to events taking place on a contemporary scale. By continuously tracking finch populations over a period of four decades, they uncover the causes and consequences of significant events leading to evolutionary changes in species. The authors used a vast and unparalleled range of ecological, behavioral, and genetic data—including song recordings, DNA analyses, and feeding and breeding behavior—to measure changes in finch populations on the small island of Daphne Major in the Galápagos archipelago. They find that natural selection happens repeatedly, that finches hybridize and exchange genes rarely, and that they compete for scarce food in times of drought, with the remarkable result that the finch populations today differ significantly in average beak size and shape from those of forty years ago. The authors' most spectacular discovery is the initiation and establishment of a new lineage that now behaves as a new species, differing from others in size, song, and other characteristics. The authors emphasize the immeasurable value of continuous long-term studies of natural populations and of critical opportunities for detecting and understanding rare but significant events. By following the fates of finches for several generations, *40 Years of Evolution* offers unparalleled insights into ecological and evolutionary changes in natural environments.

**Genre:** Nature  
**Number of Pages:** 400  
**Language:** English  
**ISBN:** 9780691160467  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 16, 2018  
**Tags:** Office

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**A Bedside Nature**
*Genius and Eccentricity in Science, 1869-1953*
Walter Bruno Gratzer
W. H. Freeman (1999)

**Summary:**
This volume offers a chronologically arranged smorgasbord of brief, annotated excerpts from *Nature* magazine's Victorian-era beginnings to the revolutionary publication of a study on DNA in 1953.

**Genre:** Literary Criticism  
**Number of Pages:** 266  
**Language:** English  
**ISBN:** 9780716736509  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
Summary:
National Book Critics Circle Award—2017 Nonfiction Finalist “Nothing less than a tour de force—a heady amalgam of science, history, a little bit of anthropology and plenty of nuanced, captivating storytelling.”—The New York Times Book Review, Editor's Choice
A National Geographic Best Book of 2017
In our unique genomes, every one of us carries the story of our species—births, deaths, disease, war, famine, migration, and a lot of sex. But those stories have always been locked away—until now. Who are our ancestors? Where did they come from? Geneticists have suddenly become historians, and the hard evidence in our DNA has blown the lid off what we thought we knew. Acclaimed science writer Adam Rutherford explains exactly how genomics is completely rewriting the human story—from 100,000 years ago to the present.
A Brief History of Everyone Who Ever Lived will upend your thinking on Neanderthals, evolution, royalty, race, and even redheads. (For example, we now know that at least four human species once roamed the earth.) Plus, here is the remarkable, controversial story of how our genes made their way to the Americas—one that's still being written, as ever more of us have our DNA sequenced. Rutherford closes with "A Short Introduction to the Future of Humankind," filled with provocative questions that we’re on the cusp of answering: Are we still in the grasp of natural selection? Are we evolving for better or worse? And . . . where do we go from here?

Genre: Science
Number of Pages: 416
Language: English
ISBN: 9781615194049
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Checklist Of West Indian Amphibians And Reptiles
Schwartz, Thomas

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
A Complete Guide to Reptiles of Australia
Steve Wilson, Gerry Swan
New Holland (2008)

Summary:

Genre: Nature
Number of Pages: 512
Language: English
ISBN: 9781877069468
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Cruising Guide to the Turks and Caicos Islands
Including Expanded Coverage of the Dominican Republic
Stephen J. Pavlidis

Summary:
A Cruising Guide to The Turks and Caicos Islands, 3rd ed.: with expanded Dominican Republic coverage, is a new, updated and improved version of the Turks and Caicos Guide we originally produced during the 1990s. This in-depth cruising guide provides coverage of the entire Turks and Caicos region, including significantly-expanded coverage of the Dominican Republic. The book contains color charts, GPS waypoints, piloting instructions, approaches, routes, marinas and anchorages, dive sites, ham and weather radio broadcasts and stations, tides and currents, and even history, holidays and customs. In addition, the book contains charts, photos and information on most of the more popular cruising ports of the Dominican Republic. In this book, as in all other books by Pavlidis, the charts are extremely accurate and provide close-up views in much greater scale than standard navigation charts. The color schemes of the charts in this new edition are designed to make navigation easier. Altogether there are 47 charts included; 30 charts covering the Turks and Caicos and another 17 charts covering the Dominican Republic. Features: New Completely Updated Third Edition of this Pavlidis Guide! New Full-color Aerial Photos All Original Charts Based on Personal Surveys Conducted by the Author Extensive Navigational Instructions, and GPS Waypoints Coverage Areas Providenciales The Caicos Bank South Caicos Grand Turk Salt Cay Great Sand Cay Luperón Puerto Plata Samaná Santo Domingo.

Genre: Travel
Number of Pages: 164
Language: English
ISBN: 9781892399403
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
A Field Guide to Amphibians and Reptiles in Arizona

Thomas C. Brennan, Andrew T. Holycross

Arizona Game and Fish Department (2006)

Summary:
A guide to Arizona’s reptiles and amphibians includes range maps along with color photographs and detailed descriptions of each species.

Number of Pages: 150
Language: English
ISBN: 9780917563539
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Field Guide to Mammal Tracking in Western America

James C. Halfpenny

Big Earth Publishing (1986)

Summary:
With Halfpenny's Field Guide to Mammal Tracking anyone can be a nature detective, able to reconstruct the behavior of mammals from mice to moose. Based on field research, the book brings the amateur naturalist the latest information on animal gaits and the interpretation of scat.

Genre: Nature
Number of Pages: 161
Language: English
ISBN: 9780933472983
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

A Field Guide to Mexican Birds

Mexico, Guatemala, Belize, El Salvador
Roger Tory Peterson, Edward L. Chalif

Houghton Mifflin Harcourt (March 1, 1999)

Summary:
With more than 700 color paintings arranged by families for quick comparison of similar species, and with detailed information on range, habitat, size, and voice, this field guide describes and illustrates 1,038 species of Mexico, Guatemala, Belize, and El Salvador.

**Genre:** Nature  
**Number of Pages:** 320  
**Language:** English  
**ISBN:** 9780395975145  
**Physical Location:** Lab  
**Reading Status:** Finished  
**Date Added:** November 20, 2018

### A Field Guide to Pacific Coast Fishes

**North America**

William N. Eschmeyer, Earl Stannard Herald

Houghton Mifflin Harcourt (September 1, 1999)

⭐⭐⭐⭐⭐

**Summary:**
More than 600 species are described in detail, with more than 525 illustrations. This is the guide for quick, reliable identification of fishes that you'll encounter while fishing, snorkeling, diving, or even strolling along a Pacific Coast beach.

**Genre:** Nature  
**Number of Pages:** 352  
**Language:** English  
**ISBN:** 9780618002122  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

### A Field Guide to Reptiles and Amphibians in the Hawaiian Islands

Sean McKeown

Diamond Head Pub. (1996)

⭐⭐⭐⭐⭐

**Genre:** Nature  
**Number of Pages:** 172  
**Language:** English  
**ISBN:** 9780965073103  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
A Field Guide to the Amphibians and Reptiles of Madagascar
Frank Glaw, Miguel Vences

Vences & Glaw (2007)

Genre: Amphibians
Number of Pages: 495
Language: English
ISBN: 9783929449037
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Field Guide to the Amphibians and Reptiles of the Maya World
The Lowlands of Mexico, Northern Guatemala, and Belize
Julian C. Lee


Summary:
The Yucatán Peninsula is today divided among Belize, Guatemala, and Mexico. Travelers to this region discover both astonishing archaeological sites and a stunning array of wildlife, including crocodiles, turtles, lizards, snakes, frogs, toads, and salamanders. This book—written by the world's leading authority on the herpetology of the lowland Maya area—is the only comprehensive field guide to all the species of amphibians and reptiles found there. This field guide allows identification of all native and introduced species of amphibians and reptiles of the region. It features nearly 180 color photographs and 180 drawings. It offers valuable techniques for field identification, and a glossary of herpetological terms. It provides in each species account: description, natural history, similar species, and geographic distribution (complete with maps of each animal's range). It includes suggested readings for those who want to know more about a particular species. It illustrates all tadpoles. It describes the most characteristic vocalizations of the reptiles and amphibians in the volume. It introduces the physical geography, climate, and vegetation of the region, with emphasis on the habitats of amphibians and reptiles.

Genre: Nature
Number of Pages: 402
Language: English
ISBN: 9780801485879
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
A field guide to the birds of Mexico and Central America
L. Irby Davis

University of Texas Press (June 27, 1972)

Summary:

A Field Guide to the Reptiles of Thailand
Tanya Chan-ard, John W. K. Parr, Jarujin Nabhitabhata

Oxford University Press (2015)

Genre: Nature
Number of Pages: 282
Language: English
Physical Location: Lab
Reading Status: Finished
Date Added: November 20, 2018

Summary:

Thailand is home to over 350 species of reptiles, consisting of many kinds of turtles and tortoises, lizards, snakes and crocodiles. With its extensive network of protected areas, Thailand is one of the richest and most ecologically diverse countries in the world. However, many of these species are being threatened more than ever before, including habitat loss caused by agricultural expansion and intensification, and from wildlife trade. For herpetologists and naturalists, understanding the reptiles of Thailand is now more important than ever before. With A Field Guide to the Reptiles of Thailand, Tanya Chan-ard, John Parr, and Jarujin Nabhitabhata present the definitive resource for identifying and understanding all known species of reptile in the region. It is the only updated and complete guide to the country's reptilian life in existence. The book contains an account of every species, complete with nomenclature, color illustrations, and range maps of known locations. The accounts include discussion of behavior, morphological measurements, and habitat, as well as the most current information on each species' conservation status. The authors explain the current system of classifying the threat level of endangerment, making the presented information and terminology understandable and useful. The introduction to the book discusses the history of herpetology in Thailand, as well as its climate, physiography, and zoogeography. A section on how to use the guide most effectively has also been included to make the book accessible to a wide range of both scientists and nature enthusiasts. A Field Guide to the Reptiles of Thailand is the definitive and most comprehensive resource for herpetologists, naturalists, and conservationists working in Thailand.

Genre: Science
Number of Pages: 314
Language: English
ISBN: 9780199736508
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
Summary:
Since humans first wandered from their original habitat in Africa, over fifty millennia ago, they have radically altered the environment wherever they have gone, often at the cost of the animals who'd ruled the wild before mankind's arrival. Humanity's spread throughout the globe has begotten what paleontologist Richard Leakey has termed the "sixth age of extinction" -- the most deadly epoch the planet's fauna have seen since the demise of the dinosaurs. And in the last five hundred years, since the dawn of the age of exploration, this rate of extinction has accelerated ever more rapidly. In A Gap in Nature, scientist and historian Tim Flannery, in collaboration with internationally acclaimed wildlife artist Peter Schouten, catalogs 104 creatures that have vanished from the face of the earth since 1492. From the tiny Carolina parakeet to the majestic Steller's sea cow, which was over twenty-five feet long and weighed ten tons, all of these animals have become extinct as a direct result of the European expansion into every corner of the globe. Flannery evocatively tells the story of each animal: how it lived and how it succumbed to its terrible destiny. Accompanying each account is a beautiful color representation (life-size in the original painting) by Schouten, who has devoted years of his life to this extraordinary project. Animals from every continent are represented -- American passenger pigeons, Tasmanian wolves, and African blaauwboks - - in this homage to a lost Eden. This extraordinary book is at once a lament for the lost animals of the world and an ark to house them forever in human memory.

Genre: History
Number of Pages: 184
Language: English
ISBN: 9780871137975
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
A Guide to Amphibians and Reptiles of Costa Rica
Twan Leenders

Zona Tropical (2001)

Summary:
This is a comprehensive field guide to the amphibians and reptiles of Costa Rica. The guide presents detailed descriptions and colour photographs for the majority of the country's species, along with descriptions of orders and families. Information is provided on members of all orders of the Costa Rican herpetofauna: caecilians, salamanders, frogs & toads, crocodilians, turtles, lizards and snakes.

Genre: Amphibians
Number of Pages: 305
Language: English
ISBN: 9780970567802
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Guide to Common Freshwater Invertebrates of North America
J. Reese Voshell

McDonald & Woodward Pub. (2002)

Summary:
Popular interest in the observation and study of freshwater invertebrates is increasing. This book meets the needs of this growing audience of naturalists, environmentalists, anglers, teachers, students, and others by providing substantive information in easy-to-understand, non-technical language for many groups of invertebrates commonly found in the streams, lakes, ponds, and other freshwater environments of North America. Section One provides background information on the biology and ecology of freshwater organisms and environments and explains why and how invertebrates can be studied, simply and without complex equipment, in the field and the laboratory. Section Two describes nearly 100 of the most common groups of invertebrates, and for each group a whole-body colour illustration is provided along with brief text pointing out the most important features that identify members of the group. Section Three contains in-depth descriptions of the life history, behaviour, and ecology of the various invertebrate groups, and explains their important ecological contributions and relationships to humans. The Guide is broad in scope, geographically and taxonomically, and it is written at a substantive yet easily accessible level that will appeal to both novices and those with more advanced knowledge of the subject. It also contains more than 100 specially commissioned colour illustrations by the well-known scientific illustrator Amy Bartlett Wright that will greatly facilitate the easy and rapid identification of specimens.

Genre: Nature
Number of Pages: 442
Language: English
ISBN: 9780939923878
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
A guide to common reef fishes of the Western Indian Ocean
Kenneth R. Bock
Macmillan (1978)

Genre: Coral reef fauna
Number of Pages: 122
Language: English
ISBN: 9780333239773
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Guide to the Birds of Costa Rica
F. Gary Stiles, Alexander Frank Skutch
Comstock (1989)

Summary:
Costa Rica, a country of no larger than West Virginia, hosts more than 830 species of birds, more than in all of North American north of Mexico. It may well be the only country in the world with as many bird species and habitats to be found in such a small area. Within two hours’ drive from San Jose, one can see quetzals in highland forests, antbirds in lowland forests, or shorebirds and ibises in mangrove swamps. This lavishly illustrated book is the most comprehensive treatment of a rich tropical avifauna ever presented in a single volume suitable for its use in the field. With is full coverage of waterbirds and migrants as well as resident tropical species, and its coverage of such topics as plumages, vocalizations, food habits, nesting, and distribution, it is truly a guide to the birds themselves, not merely a guide to their identification. Gary Stiles and Alexander Skutch first set the stage for the birds by briefly describing the landforms, vegetation, and climates of Costa Rica. For those who want to take "that second long look" to interpret what they see, the authors discuss some aspects of evolution, ecology, and behavior of Costa Rican birds, and report on the costly and courageous conservation efforts the country is making in face of discouraging odds. The family and species accounts that follow, covering some 400 pages, make up the bulk of the book, with 52 magnificent color plates illustrating virtually ever species of Costa Rican bird, migrants as well as residents. There are also practical tips for trips in the field and descriptions of good birding locations, with specific directions for travel by car, public transport, and on foot, as well as three maps. A highly readable, portable encyclopedia to the fascinating, ever-surprising birds of Costa Rica, this book will be welcomed by birders and other naturalists, professional and amateur ornithologists, ecologists, travelers, and conservationists throughout the northern Neotropics.
Genre: Nature
Number of Pages: 511
Language: English
ISBN: 9780801422874
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
A Guide to the Birds of Panama
With Costa Rica, Nicaragua, and Honduras
Robert S. Ridgely, John A. Gwynne
Princeton University Press (1992)

Summary:
This is the first paperback version of the second edition of the popular A Guide to the Birds of Panama. In the second edition, published in 1989, the authors expanded information on the birds of Costa Rica, Nicaragua, and Honduras: approximately 200 new species were added to the material in the 1976 edition. Over 300 additional species, some of them Panamanian, were illustrated. Sixteen new plates were added, and three of the original plates were replaced by improved versions. Throughout the book changes were made to accommodate the explosion in knowledge of the birds of Panama and nearby areas and of neotropical birds in general. The basic sequence and systematics of the AOU 1983 Check-list were adopted. Also included in the revised edition was expanded and updated information on birdfinding in Panama, prepared with the assistance of two of Panama's best resident birders. The book also contains a special section outlining developments in Panama ornithology and conservation. "A sophisticated treatment of one of the world's richest avifaunas."--The Quarterly Review of Biology

Genre: Nature
Number of Pages: 534
Language: English
ISBN: 9780691025124
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Guide to the Birds of Puerto Rico and the Virgin Islands
Herbert A. Raffaele, Cindy J. House

Summary:
This is a revised edition of a widely praised guide to the birds of the largest of the Caribbean islands and the neighboring Virgin Islands. It includes detailed accounts of all 284 well-documented species known to occur in the region, 273 being illustrated. The book also contains specific sections entitled "Biogeography" and "Conservation" to foster an appreciation of the uniqueness of the region's wildlife and to develop an awareness of local conservation issues. The section "Places to Bird" will help make the stay of short-term visitors more productive. The book also substantially updates the data on avian distribution and abundance in the region covering records through November 1988. From reviews of the first edition: "This well-illustrated volume is a must for any student of birds visiting Puerto Rico or the Virgin Islands."--Chandler S. Robbins, The Quarterly Review of Biology "A valuable and informative guide."--James A. Dick, The Wilson Bulletin "This well-written book is the first comprehensive guide to the birds of Puerto Rico and the Virgin Islands. All species, including winter visitors (which comprise 47 percent of the avifauna) are described and illustrated, making a second volume for identification of North American migrants unnecessary. . . . Aside from being a fine field guide, the book contains useful summaries of the biogeography of the region and the ecology of avian populations. . . . A major contribution is Raffaele's presentation of a wealth of hitherto unpublished information on the natural history of the region's birds."--James W. Wiley, Ibis

Genre: Nature
Number of Pages: 254
Language: English
ISBN: 9780691024240
A Guide to the Identification of the Amphibians and Reptiles of the West Indies Exclusive of Hispaniola
Albert Schwartz, Robert W. Henderson

Milwaukee Public Museum (1985)

Genre: Science
Number of Pages: 165
Language: English
ISBN: 9780893261122
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Guide to the Snakes of North Carolina
Michael E. Dorcas


Summary:
This book provides detailed, yet easy-to-read descriptions of all 37 species of North Carolinas snakes. It includes multiple color photographs of all snake species and includes a FAQ (frequently asked questions) and sections on Snakebite and Conservation. Our hope is that this book will help to increase the public's appreciation of snakes as fascinating and valuable parts of our natural heritage worthy of conservation.

Number of Pages: 40
Language: English
ISBN: 9780974955100
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
The present work concludes the important and monumental undertaking of Islanders in the Stream: A History of the Bahamian People, creating the most thorough and comprehensive history yet written of a Caribbean country and its people. In the first volume Michael Craton and Gail Saunders traced the developments of a unique archipelagic nation from aboriginal times to the period just before emancipation. This long-awaited second volume offers a description and interpretation of the social developments of the Bahamas in the years from 1830 to the present. Volume Two divides this period into three chronological sections, dealing first with adjustments to emancipation by former masters and former slaves between 1834 and 1900, followed by a study of the slow process of modernization between 1900 and 1973 that combines a systematic study of the stimulus of social change, a candid examination of current problems, and a penetrating but sympathetic analysis of what makes the Bahamas and Bahamians distinctive in the world. This work is an eminent product of the New Social History, intended for Bahamians, others interested in the Bahamas, and scholars alike. It skillfully interweaves generalizations and regional comparisons with particular examples, drawn from travelers' accounts, autobiographies, private letters, and the imaginative reconstruction of official dispatches and newspaper reports. Lavishly illustrated with contemporary photographs and original maps, it stands as a model for forthcoming histories of similar small ex-colonial nations in the region.

Genre: History
Number of Pages: 584
Language: English
ISBN: 9780820322841
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

A Long line of cells

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
A Magic Web
The Forest of Barro Colorado Island
Egbert Giles Leigh
Oxford University Press (2002)

Summary:
The tropical forest of Panama's Barro Colorado Island is a luxuriant community of plants and animals, pulsating with life and offering an astonishing view of nature's myriad processes. What does the forest look like? How do the activities of this forest's plants and animals create a community? Now, in A Magic Web, photographer Christian Ziegler and ecologist Egbert Leigh invite readers to enter the marvelous world of Barro Colorado Island. This book provides a unique combination of the spectacular photography of a picture-book and clear, authoritative text written by an active scientist who has spent half a lifetime trying to understand tropical forests. The photographs provide views of the forest and its spectacular diversity of inhabitants, and show many of the activities that give the forest its character and lend structure to its community. Drawing on decades of work on Barro Colorado Island, Egbert Leigh explains how the forest works. The photographs and text reveal the many ways its plants and animals compete with but also depend on each other: the contrasts between solitary cats and intricately organized armies of ants; the different ways plants struggle for a place in the sun, and the ways these plants attract, or domesticate, animals to pollinate their flowers. Finally, the authors show why this, and by implication all other, tropical forests matter to the people who live near them and to the world at large, what we can learn from these forests, and how they differ from temperate-zone forests. Full of gorgeous full-color photographs accompanied by clear and accessible text, A Magic Web is a must for anyone planning to visit a tropical forest, and for all those who only wish they could.

Genre: Nature
Number of Pages: 292
Language: English
ISBN: 9780195143287
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Natural History of Amphibians
Robert C. Stebbins, Nathan W. Cohen
Princeton University Press (January 26, 1997)

Summary:
This is a book for all readers who want to learn about amphibians, the animal group that includes frogs, toads, salamanders, and caecilians. It draws on many years of classroom teaching, laboratory experience, and field observation by the authors. Robert Stebbins and Nathan Cohen lead readers on a fascinating odyssey as they explore some of nature's most interesting creatures, interspersing their own observations throughout the book. A Natural History of Amphibians can serve as a textbook for students and independent learners, as an overview of the field for professional scientists and land managers, and as an engaging introduction for general readers. The class Amphibia contains more than 4,500 known living species. New species are being discovered so rapidly that the number may grow to more than 5,000 during our lifetimes. However, their numbers are being rapidly decimated around the globe, largely due to the encroachment of humans on amphibian habitats and from growing human-caused environmental pollution, discussed at length in the final chapter. The authors focus our attention on the "natural history" of amphibians worldwide and emphasize their interactions with their environments over time: where they live; how they reproduce; how they have been affected by evolutionary processes; what factors will determine their destinies over time. Through the experienced eyes of the authors, who are skilled observers, we come to see and understand the place of amphibians in the natural world around us.

Genre: Nature
A Neotropical Companion
An Introduction to the Animals, Plants, and Ecosystems of the New World Tropics
John C. Kricher

Summary:
A Neotropical Companion is an extraordinarily readable introduction to the American tropics, the lands of Central and South America, their remarkable rainforests and other ecosystems, and the creatures that live there. It is the most comprehensive one-volume guide to the Neotropics available today. Widely praised in its first edition, it remains a book of unparalleled value to tourists, students, and scientists alike. This second edition has been substantially revised and expanded to incorporate the abundance of new scientific information that has been produced since it was first published in 1989. Major additions have been made to every chapter, and new chapters have been added on Neotropical ecosystems, human ecology, and the effects of deforestation. Biodiversity and its preservation are discussed throughout the book, and Neotropical evolution is described in detail. This new edition offers all new drawings and photographs, many of them in color. As enthusiastic readers of the first edition will attest, this is a charming book. Wearing his learning lightly and writing with ease and humor, John Kricher presents the complexities of tropical ecology as accessible and nonintimidating. Kricher is so thoroughly knowledgeable and the book is so complete in its coverage that general readers and ecotourists will not need any other book to help them identify and understand the plants and animals, from birds to bugs, that they will encounter in their travels to the New World tropics. At the same time, it will fascinate armchair travelers and students who may get no closer to the Neotropics than this engagingly written book.

Genre: Nature
Number of Pages: 451
Language: English
ISBN: 9780691009742
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A New Island Biogeography of the Sea of Cortés
Ted J Case, Ted J. Case, Martin L. Cody, Exequiel Ezcurra
Oxford University Press (2002)

Summary:
This updated and expanded A New Island Biogeography of the Sea of Cortes, first published nearly 20 years ago, integrates new and broader studies encompassing more taxa and more complete island coverage. The present synthesis provides a basis for further research and exploration in upcoming years of the biologically fascinating Sea of Cortes region. The Gulf region is increasingly being exploited, for its natural resources by way of marine fisheries, and for its stunning natural beauty by way of a burgeoning tourism industry. Further, the region's human population is increasing apace. It is appropriate, therefore, that this volume discusses these evolving circumstances, and the efforts of the Mexican government to regulate and manage them. The new Biogeography includes a section on the conservation issues in the Sea of Cortes, past accomplishments and conservation needs as yet outstanding. This book should be of strong interest to conservation biologists, ecologists, and evolutionary biologists more generally.

Genre: Language Arts & Disciplines
Number of Pages: 669
Language: English
ISBN: 9780195133462
A new kind of science
Stephen Wolfram
Wolfram Media (2002)

Genre: Computational complexity
Number of Pages: 1,197
ISBN: 9781579550080
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

A Photographic Field Guide to the Amphibians and Reptiles of the Lowland Monsoon Forests of Southern Vietnam
Anna B. Vassilieva, Eduard A. Galoyan, Nikolaj Andreevič Pojarkov, Dr. Peter Geissler
Edition Chimaira (2016)

Genre: Amphibians
Number of Pages: 324
Language: English
ISBN: 9783899734652
Physical Location: Lab
Reading Status: Finished
Date Added: November 20, 2018

A Primer of Conservation Genetics
Richard Frankham, Jonathan D. Ballou, David A. Briscoe
Cambridge University Press (February 12, 2004)

Summary:
This concise, entry level text provides an introduction to the importance of genetic studies in conservation and presents the essentials of the discipline in an easy-to-follow format, with main points and terms clearly highlighted. The authors assume only a basic knowledge of Mendelian genetics and simple statistics, making the book accessible to those with a limited background in these areas. Connections between conservation genetics and the wider field of conservation biology are interwoven throughout the book. Worked examples are provided throughout to help illustrate key equations and glossary and suggestions for further reading provide additional support for the reader. Many beautiful pen and ink portraits of endangered species are included to enhance the text. Written for short, introductory level courses in genetics, conservation genetics and conservation biology, this book will also be suitable for practising conservation biologists, zoo biologists and wildlife managers.

Genre: Nature
Number of Pages: 220
Language: English
ISBN: 9780521538275
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

📝 A Primer of Ecological Genetics

Jeffrey K. Conner, Daniel L. Hartl

Sinauer (May 1, 2004)

⭐⭐⭐⭐⭐

Summary:
This book covers basic concepts in population and quantitative genetics, including measuring selection on phenotypic traits. The emphasis is on material applicable to field studies of evolution focusing on ecologically important traits. Topics addressed are critical for training students in ecology, evolution, conservation biology, agriculture, forestry, and wildlife management.

Genre: Science
Number of Pages: 240
Language: English
ISBN: 9780878932023
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

📝 A Review of Marking and Individual Recognition Techniques for Amphibians and Reptiles

John William Ferner

Society for the Study of Amphibians and Reptiles (2007)

⭐⭐⭐⭐⭐

Summary:
This circular is a complete revision of Ferner's 1979 Marking Techniques Circular. Techniques covered range from tow clipping, shell notching and paint marking to PIT tagging and Radio Telemetry.

Genre: Nature
Number of Pages: 72
Language: English
A Sand County Almanac
With Other Essays on Conservation from Round River
Aldo Leopold
Ballantine Books (1970)

Summary:
"We can place this book on the shelf that holds the writings of Thoreau and John Muir." San Francisco Chronicle
These astonishing portraits of the natural world explore the breathtaking diversity of the unspoiled American landscape -- the mountains and the prairies, the deserts and the coastlines. A stunning tribute to our land and a bold challenge to protect the world we love.

Genre: Nature
Number of Pages: 269
Language: English
ISBN: 9780345345059
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Act III in Patagonia
People and Wildlife
William Conway
Island Press (July 11, 2005)

Summary:
Patagonia. The name connotes the exotic and a distance that seems nearly mythical. Tucked toward the toe of South America, this largely unsettled landscape is among the most varied and breathtaking in the world-aching in its beauty as it sweeps from the Andes through broad, arid steppes to pristine beaches and down to a famously violent sea. It is also home to a vast array of rare wildlife as diverse and fascinating as the region itself. Act III in Patagonia is the first book to take an in-depth look at wildlife and human interaction in this spectacular area of the world. Written by William Conway, former president of the Wildlife Conservation Society, the book is unique in its concentration on the long Patagonian shoreline-populated by colorful cormorants, penguins, elephant seals, dolphins, sea lions, and numerous species of whale--and an increasing number of human beings. Threatened by overfishing, invasive species, artificially abundant predators, and overgrazing, the Southern Cone of Patagonia is now the scene of a little-known conservation drama distinguished by the efforts of a dedicated group of local and foreign scientists determined to save one of the Earth's least-inhabited places. From tracking elephant seals in the Atlantic to following flamingos in the Andes, Act III in Patagonia takes readers to the sites where real-life field science is taking place. It further illuminates the ecology of the region through a history that reaches from the time of the Tehuelche Indians known by Magellan, Drake, and Darwin to the present. Conway has helped to establish more than a dozen wildlife reserves in South America and is thus able not only to tell Patagonia's history, but to address its future. He brings a wealth of knowledge about Patagonia and its wildlife and responds to the difficult questions of how the interests of humans and wildlife are best balanced. He tells of the exciting collaborations among the Wildlife Conservation Society and its national and provincial partners to develop region-wide programs to save wildlife in steppes, coast, and sea, demonstrating that, with public support, there is hope for this stunning corner of the world. Though singular in their details, the conservation efforts Conway spotlights are a microcosm of what is happening in dozens of sites around the world.

Genre: Health & Fitness
Number of Pages: 344
Language: English
ISBN: 9781559635189
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Advances In Herpetology And Evolutionary Biology
Rhodin, Miyata

Genre: Nature
Number of Pages: 96

Alaska Wildlife Viewing Guide
Michelle Sydeman, Annabel Lund

Summary:
Where-to guide to 68 viewing sites of the best locations to watch wildlife including mammals and birds in their natural environment. Official field guide of the Watchable Wildlife Series.
Amphibian Biology
Harold Heatwole

Surrey Beatty & Sons (1994)

ISBN: 9781560440666
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Amphibians & Reptiles of the Carolinas and Virginia
Alvin L. Braswell, Joseph C. Mitchell


ISBN: 9781907807534
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Who lived at the P.O. in China Grove, Mississippi? What does NASCAR stand for? Where is the Redneck Riviera? When is Martin Luther King Jr.’s birthday? What are Yellow Mama and Old Sparky? Entertaining, fun, and educational, this quiz book covers every aspect of southern culture from alligators to melungeons to zydeco. More than 800 questions--most drawn from the Encyclopedia of Southern Culture--cover literature, music, entertainment, history, politics, the law, sports and recreation, science, medicine, business, industry, and religion. Test your southern I.Q.! Take a copy to parties and on road trips. Use it to settle supper-table squabbles. It's a guaranteed good time. Published in collaboration with the Center for the Study of Southern Culture at the University of Mississippi Answers to questions: Sister, who tells her story in Eudora Welty's 'Why I Live at the P.O.' National Association for Stock Car Auto Racing, Inc. The Florida Panhandle January 15, 1929 Electric chairs in Alabama and Florida, respectively. Originally published in 1996. A UNC Press Enduring Edition – UNC Press Enduring Editions use the latest in digital technology to make available again books from our distinguished backlist that were previously out of print. These editions are published unaltered from the original, and are presented in affordable paperback formats, bringing readers both historical and cultural value.

Genre: Nature
Number of Pages: 274
Language: English
ISBN: 9780807871126
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Amphibians and Reptiles of Baja California, Including Its Pacific Islands and the Islands in the Sea of Cortés

L. Lee Grismer

University of California Press (September 16, 2002)

Summary:
The Baja California peninsula is home to many forms of life found nowhere else on earth. This, combined with the peninsula's rugged and inaccessible terrain, has made the area one of the last true biological frontiers of North America. L. Lee Grismer is not only the foremost authority on the amphibians and reptiles of Baja California, but also an outstanding photographer. He has produced the most comprehensive work on the herpetofauna of the peninsula and its islands ever published. With its stunning color images, detailed accounts of many little-known species, and descriptions of the region's diverse environment, this is the definitive guide to the amphibians and reptiles of a fascinating and remote region. The culmination of Grismer's quarter century of fieldwork on the Baja peninsula and his exploration of more than one hundred of its islands in the Pacific Ocean and the Sea of Cortés, this book gives information on the identification, distribution, natural history, and taxonomy of each species of amphibian and reptile found there. Preliminary accounts of the life history of many of the salamanders, frogs, toads, turtles, lizards, and snakes are reported here for the first time, and several species that were almost unknown to science are illustrated in full color. The book also contains new data on species distribution and on the effect of the isolated landscape of the peninsula and its islands on the evolutionary process. Much of the information gathered here is presented in biogeographical overviews that consider the extremely varied environments of Baja California in both a contemporary and a historical framework. An original and important contribution to science, this book will generate further research for years to come as it becomes a benchmark reference for both professionals and amateurs.

Genre: Nature
Number of Pages: 399
Language: English
ISBN: 9780520224179
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Amphibians and Reptiles of Georgia

John B. Jensen

University of Georgia Press (2008)

Summary:
A hidden world of amphibians and reptiles awaits the outdoor adventurer in Georgia’s streams, caves, forests, and wetlands. Amphibians and Reptiles of Georgia makes accessible a wealth of information about 170 species of frogs, salamanders, crocodilians, lizards, snakes, and turtles. Throughout, the book stresses conservation, documenting declines in individual species as well as losses of local and regional populations. Color photographs are paired with detailed species accounts, which provide information about size, appearance, and other identifying characteristics of adults and young; taxonomy and nomenclature; habits; distribution and habitat; and reproduction and development. Typical specimens and various life stages are described, as well as significant variations in such attributes as color and pattern. Line drawings define each group’s general features for easy field identification. Range maps show where each species occurs in Georgia county by county, as well as in the United States generally. State maps depict elevations, streams, annual precipitation, land use changes, physiographic provinces, and average temperatures. The book includes a checklist, a chart of the evolutionary relationships among amphibians and reptiles, a list of the top ten most reported species by major group, and a table summarizing the diversity of amphibians and reptiles in the state’s five physiographic provinces. Amphibians and Reptiles of Georgia is an authoritative reference for students, professional herpetologists, biologists, ecologists, conservationists, land managers, and amateur naturalists. Features:

- Nearly 500 color photographs
- 24 line drawings showing each group’s defining features
- Almost 200 range maps detailing county-by-county distribution
- Detailed species accounts written by 54 regional experts providing information on size, appearance, and other identifying characteristics of adults and young; taxonomy and nomenclature; habits; distribution and habitat; and reproduction and development
- Introductory sections providing overviews of physiography, climate, and habitats of Georgia, the Georgia Herp Atlas Project, taxonomic issues, conservation, and herpetology as a science and a career
- A selection of frog and alligator vocalizations at www.ugapress.org/AmphibsAndReptiles

Amphibians and reptiles of La Selva, Costa Rica, and the Caribbean Slope

a comprehensive guide

Craig Guyer

University of California Press (2005)

Genre: Amphibians

Number of Pages: 299

ISBN: 9780520237582

Reading Status: Finished

Date Finished: November 19, 2018

Date Added: November 19, 2018

Tags: Office

Amphibians and Reptiles of Land Between the Lakes

Edmund J. Zimmerer, David H. Snyder, A. Floyd Scott, David F. Frymire

University Press of Kentucky (September 13, 2016)

Summary:
Known for its natural beauty, Land Between the Lakes National Recreation Area is the largest inland peninsula in the United States. Consisting of 170,000 acres of forested and protected public land between Kentucky Lake (Tennessee River) and Lake Barkley (Cumberland River), this scenic sanctuary is visited by more than 1.4 million nature lovers annually and encompasses many diverse habitats, each supporting a particular community of plants and animals. Amphibians and Reptiles of Land Between the Lakes is your guide to some of the often-overlooked residents of this unique ecosystem. The authors offer detailed descriptions and stunning color photographs of the salamanders, frogs, toads, turtles, lizards, and snakes found in the region. Each entry includes the species' scientific and common names as well as information on its distribution, habitat, and natural history. An extensive glossary assists readers in identifying the animals. This handy reference illustrates the collective ecological effect that these underappreciated species have on the habitats in which they thrive. Whether you are a professional or backyard naturalist, Amphibians and Reptiles of Land Between the Lakes is an indispensable resource for understanding these fascinating creatures.

Genre: Nature
Number of Pages: 154
Language: English
ISBN: 9780813167671
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

Amphibians and reptiles of Puerto Rico
Juan A. Rivero
La Editorial, UPR (1998)

Summary:
Este es un gran esfuerzo del autor para reunir toda la información disponible hasta la fecha (1998) sobre las especies anfibias y reptiles de Puerto Rico; revisado y ampliado totalmente para la segunda edición, que fue bilingüe (español-inglés). Ilustrado con fotografías a todo color, el texto describe con lujo de detalles cada espécimen usando la menor cantidad de lenguaje científico o terminología técnica, lo que permite al aficionado satisfacer su curiosidad plenamente. Pero para toda la comunidad científica, se incluye un completo listado bibliográfico como fuente extra de información. Un capítulo entero fue dedicado a los temas de cuidado en el manejo de animales y, se refiere a asuntos tan importantes como ¿cómo cuidarse de una mordedura de serpiente? o las precauciones y táctica al recoger especímenes, para el envío y/o estudio científico, garantizando la estabilidad de su ecosistema.

Genre: Nature
Number of Pages: 510
Language: English
ISBN: 9780847702435
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Amphibians and Reptiles of the Bay Islands and Cayos Cochinos, Honduras
James R. McCranie, Larry David Wilson, Gunther Köhler
Bibliomania! (2005)
Summary:
The Bay Islands and Cayos Cochinos are home to 55 amphibian and reptile species, 12 of which are endemic to these islands. Hog Island Boas occur here as well as five species of iguana (two endemic). McCranie, Wilson and Köhler are the undisputed authorities on Honduran herpetology. Their combined knowledge is pooled here for the first time and complemented with a multitude of photographs to highlight the unique herpetofauna of these islands. A scientific treatise, as well as a field guide, this book is indispensable for anyone interested in Central American amphibians and reptiles.

Genre: Nature
Number of Pages: 210
Language: English
ISBN: 9781932871074
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Amphibians and Reptiles of the Carolinas and Virginia
Bernard S. Martof, Julian R. Harrison, III, Joseph R. Bailey, William M. Palmer


Summary:
This illustrated guide to the frogs, snakes, turtles, salamanders, lizards, and other fascinating amphibians and reptiles of the Carolinas and Virginia features 196 exceptional natural-color photographs, descriptions, and distribution maps for each species. It will serve as an indispensable guide to zoologists, amateur naturalists, environmentalists, backpackers, campers, hikers, and everyone interested in the outdoors.

Genre: Nature
Number of Pages: 264
Language: English
ISBN: 9780807842522
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Amphibians and Reptiles of the West Indies
Descriptions, Distributions, and Natural History
Albert Schwartz, Robert W. Henderson

University of Florida Press (1991)
This meticulous book summarizes all available information on West Indian herpetofauna. Using data from more than 6,000 pages of field notes and 1,000 literature sources, Schwartz and Henderson present a detailed account of every known reptile and amphibian species existing on the numerous islands of the West Indies. For each (almost 600), they offer a complete synopsis, including description, holotype, source of illustrations, and range map. A section on natural history summarizes what is known about the habitat, microhabitat, economic bearing, food habits, and reproduction of each animal, and in some cases it shows how these traits change from island to island. In opening remarks, the authors plead eloquently for awareness of the rampant environmental degradation taking place on the islands. For every herpetologist, biologist, ecologist, or biogeographer with an interest in the Antillean biota, Amphibians and Reptiles will become the source from which all future research proceeds.

**Genre:** History

**Number of Pages:** 720

**Language:** English

**ISBN:** 9780813010496

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Amphibians Of Barro Colorado Nature Monument**

Ibanez, Rand, Jaramillo

Reading Status: Finished

Date Finished: November 19, 2018

Date Added: November 19, 2018

Tags: Office

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**Amphibians of Central and Southern Africa**

A. Channing


Summary:

Amphibians of Central and Southern Africa is the first comprehensive guide to the frogs, toads, and caecilians of the ten sub-equatorial African countries—Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Zambia, and Zimbabwe. The result is at once a valuable reference tool, a field guide, and a source of ideas for future research. A source of increasing interest in their own right, amphibians are also benchmark species for biodiversity, and are used as laboratory animals in many of the sciences. In the wild, amphibians, especially frogs, act as natural monitors of water quality and are invaluable in pest control. Their skins secrete a wide range of pharmacologically active substances, such as antibiotics and painkillers. Yet frog populations are declining worldwide, mainly due to human destruction of their habitats. Alan Channing synthesizes information published over the last century to provide the first natural history and a portrait of the amphibian fauna of this vast region. Key features of Amphibians of Central and Southern Africa include detailed accounts for 205 species of frogs and toads (and 2 species of caecilian) accompanied by color illustrations, distribution maps, details of breeding and tadpole behavior, and call descriptions. Illustrations and tadpole identification keys for each genus, special sections for some species with topics such as "skin toxins," an overview of fossil frogs, a discussion of humankind and frogs in Africa, and a bibliography of African frog biology.

**Genre:** Nature
**An Introduction to Behavioural Ecology**

Nicholas B. Davies, John R. Krebs

Wiley (May 6, 1993)

★★★★★★★

**Summary:**
The third edition of this successful textbook looks again at the influence of natural selection on behavior - an animal's struggle to survive by exploiting resources, avoiding predators, and maximizing reproductive success. In this edition, new examples are introduced throughout, many illustrated with full color photographs. In addition, important new topics are added including the latest techniques of comparative analysis, the theory and application of DNA fingerprinting techniques, extensive new discussion on brood parasite/host coevolution, the latest ideas on sexual selection in relation to disease resistance, and a new section on the intentionality of communication. Written in the lucid style for which these two authors are renowned, the text is enhanced by boxed sections illustrating important concepts and new marginal notes that guide the reader through the text. This book will be essential reading for students taking courses in behavioral ecology.

**Genre:** Science

**Number of Pages:** 432

**Language:** English

**ISBN:** 9780632035465

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**An Introduction to Molecular Ecology**

Trevor Beebee, Graham Rowe

OUP Oxford (2008)

★★★★★★★

**Summary:**
How do we know whether a particular species is monogamous or promiscuous? How can we monitor the illegal trafficking of wildlife? How can we differentiate between the many similar species making up a microbial community? An Introduction to Molecular Ecology introduces the latest molecular concepts and techniques, demonstrating how genetic markers and molecular tools can be used to answer such ecological questions. Such questions, whose answers were previously out of our reach, can now be probed, thereby revolutionizing our understanding of ecological systems and phenomena. Blending conceptual detail with the most instructive examples, An Introduction to Molecular Ecology is an ideal resource for those new to the subject needing to develop a strong working understanding of the field. The book captures the broad scope of the subject, exploring the use of molecular tools in the context of topics including behavioral genetics, phylogeography, microbial ecology, and conservation. New to this Edition: Full-color design with a series of stunning new photographs · Improved pedagogy, including web links, end-of-chapter questions, and data analysis exercises · New practical and analytical method boxes present case studies and associated references for further study · Superior coverage of quantitative concepts · Enhanced companion website with data files to support exercises posed in the book, links to articles referenced in the text, and downloadable figures

Genre: Juvenile Nonfiction
Number of Pages: 400
Language: English
ISBN: 9780199292059
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

An Introduction to Molecular Evolution and Phylogenetics
Lindell Bromham
Oxford University Press (2016)

Summary:
DNA can be extracted and sequenced from a diverse range of biological samples, providing a vast amount of information about evolution and ecology. The analysis of DNA sequences contributes to evolutionary biology at all levels, from dating the origin of the biological kingdoms to untangling family relationships. An Introduction to Molecular Evolution and Phylogenetics presents the fundamental concepts and intellectual tools you need to understand how the genome records information about evolutionary past and processes, how that information can be "read," and what kinds of questions we can use that information to answer. Starting with evolutionary principles, and illustrated throughout with biological examples, it is the perfect starting point on the journey to an understanding of the way molecular data is used in modern biology. Online Resource Centre The Online Resource Centre features: For registered adopters of the book: - Class plans for one-hour hands-on sessions associated with each chapter - Figures from the textbook to view and download

Genre: Science
Number of Pages: 514
Language: English
ISBN: 9780198736363
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
An Introduction to Molecular Evolution and Phylogenetics
Lindell Bromham
Oxford University Press (2016)

Summary:
DNA can be extracted and sequenced from a diverse range of biological samples, providing a vast amount of information about evolution and ecology. The analysis of DNA sequences contributes to evolutionary biology at all levels, from dating the origin of the biological kingdoms to untangling family relationships. An Introduction to Molecular Evolution and Phylogenetics presents the fundamental concepts and intellectual tools you need to understand how the genome records information about evolutionary past and processes, how that information can be "read," and what kinds of questions we can use that information to answer. Starting with evolutionary principles, and illustrated throughout with biological examples, it is the perfect starting point on the journey to an understanding of the way molecular data is used in modern biology. Online Resource Centre The Online Resource Centre features: For registered adopters of the book: - Class plans for one-hour hands-on sessions associated with each chapter - Figures from the textbook to view and download

Genre: Science
Number of Pages: 514
Language: English
ISBN: 9780198736363
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

An Introduction to R for Spatial Analysis and Mapping
Chris Brunsdon, Lex Comber
SAGE Publications (February 5, 2015)

Summary:
"In an age of big data, data journalism and with a wealth of quantitative information around us, it is not enough for students to be taught only 100 year old statistical methods using 'out of the box' software. They need to have 21st-century analytical skills too. This is an excellent and student-friendly text from two of the world leaders in the teaching and development of spatial analysis. It shows clearly why the open source software R is not just an alternative to commercial GIS, it may actually be the better choice for mapping, analysis and for replicable research. Providing practical tips as well as fully working code, this is a practical 'how to' guide ideal for undergraduates as well as those using R for the first time. It will be required reading on my own courses." - Richard Harris, Professor of Quantitative Social Science, University of Bristol

R is a powerful open source computing tool that supports geographical analysis and mapping for the many geography and 'non-geography' students and researchers interested in spatial analysis and mapping. This book provides an introduction to the use of R for spatial statistical analysis, geocomputation and the analysis of geographical information for researchers collecting and using data with location attached, largely through increased GPS functionality. Brunsdon and Comber take readers from 'zero to hero' in spatial analysis and mapping through functions they have developed and compiled into R packages. This enables practical R applications in GIS, spatial analyses, spatial statistics, mapping, and web-scraping. Each chapter includes: Example data and commands for exploring it Scripts and coding to exemplify specific functionality Advice for developing greater understanding - through functions such as locator(), View(), and alternative coding to achieve the same ends Self-contained exercises for students to work through Embedded code within the descriptive text. This is a definitive 'how to' that takes students - of any discipline - from coding to actual applications and uses of R.

Genre: Social Science
Number of Pages: 360
An Introduction to Statistical Methods and Data Analysis
Lyman Ott, Michael Longnecker

Duxbury (2001)

Summary:
Statistics is a thought process. In this comprehensive introduction to statistical methods and data analysis, the process is presented utilizing a four-step approach: 1) gathering data, 2) summarizing data, 3) analyzing data, and 4) communicating the results of data analyses.

Genre: Mathematics
Number of Pages: 1,152
Language: English
ISBN: 9780534251222
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

An Introduction to the Study of Insects
Donald Joyce Borror, Norman F. Johnson, Charles A. Triplehorn


Summary:
This text uses a taxonomic approach to introduce students to the science of entomology. Extensive use of identification keys acquaints students with all the families of insects in the United States and Canada and provides means for students to identify 95% or more of the insects found occurring in North America.

Genre: Nature
Number of Pages: 875
Language: English
ISBN: 9780030253973
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
An Introduction to Tropical Rain Forests
T. C. Whitmore
OUP Oxford (March 26, 1998)

Summary:
This new edition of Whitmore's classic introduction to tropical rain forests has been comprehensively revised and updated, reflecting the changes which have taken place since it was first published in 1990. The sections on human impact have been extended to include a new global assessment of deforestation as well as details of new research on biodiversity and conservation. Discussion of the future of the rain forests and priorities for action is incorporated. The book remains unique in linking rain forest biology and ecology with silviculture, and with concerns over sustainable resource utilization and the future of the tropical rain forests. It includes sections on the diverse animal and plant life forms which are found in the rain forest, and the interconnections between them. Nutrient cycles and forest dynamics are fully explained, with new data on ecophysiology and forest microclimates. The geologic and climatic history of rain forests, and the widespread canopy disturbances now understood to have occurred in the past, are explored. Accessibly written, and illustrated throughout with line drawings and photographs, this is a must for biology and geography students, and anyone else who seeks to know more about the nature and importance of the world's tropical rain forests.

Genre: Science
Number of Pages: 296
Language: English
ISBN: 9780198501473
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

An Unspoken Hunger
Stories from the Field
Terry Tempest Williams

Summary:
A manifesto both fierce and compassionate from one of our most eloquent and elegant voices of the American West. Terry Tempest Williams weaves together the passion of personal experience with the presence of political commitment. In this gathering of work, Williams explores our unspoken hunger, our desire for a life of greater intention. In a series of detailed and beautifully rendered portraits, she illuminates the strength and inspiration that helped to form Georgia O'Keeffe, Rachel Carson, Mardy Murie, and the Stone Creek Woman. There are portraits as well of two uncles, who also live outside the expectations of normalcy and orthodoxy. Through the power of her observations, we see how our lack of intimacy with the natural world has initiated a lack of intimacy with one another. An Unspoken Hunger is finally a call to action, where we begin to find the courage and heart to stand our ground in the places we love. As Williams reminds us, "Perhaps the most radical act we can commit is to stay home." An Unspoken Hunger is further proof of Terry Tempest Williams's unique gift - one that removes us from the distractions and confines of daily routine and prompts in us an awakened sense of wonder.

Genre: Nature
Number of Pages: 143
Language: English
ISBN: 9780679752561
Reading Status: Finished
Date Finished: November 19, 2018
Summary:
The increasing availability of molecular and genetic databases coupled with the growing power of computers gives biologists opportunities to address new issues, such as the patterns of molecular evolution, and re-assess old ones, such as the role of adaptation in species diversification. In the second edition, the book continues to integrate a wide variety of data analysis methods into a single and flexible interface: the R language. This open source language is available for a wide range of computer systems and has been adopted as a computational environment by many authors of statistical software. Adopting R as a main tool for phylogenetic analyses will ease the workflow in biologists' data analyses, ensure greater scientific repeatability, and enhance the exchange of ideas and methodological developments. The second edition is completely updated, covering the full gamut of R packages for this area that have been introduced to the market since its previous publication five years ago. There is also a new chapter on the simulation of evolutionary data. Graduate students and researchers in evolutionary biology can use this book as a reference for data analyses, whereas researchers in bioinformatics interested in evolutionary analyses will learn how to implement these methods in R. The book starts with a presentation of different R packages and gives a short introduction to R for phylogeneticists unfamiliar with this language. The basic phylogenetic topics are covered: manipulation of phylogenetic data, phylogeny estimation, tree drawing, phylogenetic comparative methods, and estimation of ancestral characters. The chapter on tree drawing uses R's powerful graphical environment. A section deals with the analysis of diversification with phylogenies, one of the author's favorite research topics. The last chapter is devoted to the development of phylogenetic methods with R and interfaces with other languages (C and C++). Some exercises conclude these chapters.

Genre: Statistical methods
Number of Pages: 386
ISBN: 9781461417422
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
Anfibios y reptiles de la Península Ibérica
Toni Aragon Rebollo
Ediciones Jaguar (2006)

Animal Behavior
An Evolutionary Approach
John Alcock
Sinauer Publishers (2001)

Animal Diversity
Larry S Roberts, David J Eisenhour, Professor PhD, Allan Larson, Susan L. Keen, Cleveland P Hickman, Jr., Emeritus
McGraw-Hill Education (October 17, 2014)
This text provides a concise introduction to the field of animal biology. Readers discover general principles of evolution, ecology, classification, systematics, and animal body plans. After these introductory chapters, readers delve into the biology of all groups of animals. The basic features of each group are discussed, along with evolutionary relationships among group members. Chapter highlights include newly discovered features of animals as they relate to ecology, conservation biology, and value to human society. Regular updates to the phylogenies within the book keep it current.

Genre: Science

Number of Pages: 512
Language: English
ISBN: 9780073524252
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Animal Tracks of the Southeast States

Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and Arkansas

Chris Stall

Mountaineers (1989)

Genre: Nature
Number of Pages: 112
Language: English
ISBN: 9780898862232
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

Anolis lizards of the Caribbean

ecology, evolution, and plate tectonics

Jonathan Roughgarden

Oxford University Press (1995)

Genre: Anoles
Number of Pages: 200
ISBN: 9780195096057
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
Applied Linear Statistical Models 5e is the long established leading authoritative text and reference on statistical modeling, analysis of variance, and the design of experiments. For students in most any discipline where statistical analysis or interpretation is used, ALSM serves as the standard work. The text proceeds through linear and nonlinear regression and modeling for the first half, and through ANOVA and Experimental Design in the second half. All topics are presented in a precise and clear style supported with solved examples, numbered formulae, graphic illustrations, and "Comments" to provide depth and statistical accuracy and precision. Applications used within the text and the hallmark problems, exercises, projects, and case studies are drawn from virtually all disciplines and fields providing motivation for students in virtually any college. The Fifth edition provides an increased use of computing and graphical analysis throughout, without sacrificing concepts or rigor. In general, the 5e uses larger data sets in examples and exercises, and the use of automated software without loss of understanding.

Genre: Business & Economics
Number of Pages: 1,396
Language: English
ISBN: 9780073108742
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
This bestseller will help you learn regression-analysis methods that you can apply to real-life problems. It highlights the role of the computer in contemporary statistics with numerous printouts and exercises that you can solve using the computer. The authors continue to emphasize model development, the intuitive logic and assumptions that underlie the techniques covered, the purposes, advantages, and disadvantages of the techniques, and valid interpretations of those techniques. Available with InfoTrac Student Collections http://gocengage.com/infoTrac.Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Genre: Mathematics
Number of Pages: 1,072
Language: English
ISBN: 9781285963754
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**Summary:**
Help your students hone their critical thinking and refine their rational and argumentative discussion skills with the sixth edition of Damer's *ATTACKING FAULTY REASONING: A PRACTICAL GUIDE TO FALLACY-FREE ARGUMENTS*. This theoretically sound handbook addresses more than 60 common fallacies with the help of over 200 memorable, timely examples. Students learn to construct, deliver, and logically evaluate arguments with more than 350 proven exercises and practice opportunities, making this an ideal resource on its own or as a complement to your other critical thinking or introduction to philosophy texts. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Genre:** Education

**Number of Pages:** 256

**Language:** English

**ISBN:** 9780495095064

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
**Bahamian Landscapes**

*Introduction to the Geology and Physical Geography of the Bahamas*

Neil Sealey

Pan Macmillan (June 6, 2006)

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**Baja California**

Walt Peterson

Lonely Planet Publications (1999)

⋆⋆⋆⋆

Summary:
This full-colour, richly illustrated guide includes all the key dive sites on the Penninsula's Sea of Cortez and Pacific Ocean coasts, as well as many that have never been described before. Specific information on depths, currents, and required diving expertise is included, as well as many detailed maps.

**Basic Principles Of Molecular Genetics**

Herskowitz

⋆⋆⋆⋆
Bats of Puerto Rico
An Island Focus and a Caribbean Perspective
Michael R. Gannon, Allen Kurta, Armando Rodriguez-Duran
Texas Tech University Press (2005)

Summary:
"An interesting and enjoyable read. . . . Rich detail presented in well-written, logical fashion about the bat fauna of this interesting island." —Acta Chiropterologica The Caribbean islands are home to some of the most unusual species of bats. A number of them are endemic, living in no other region of the world. On Puerto Rico alone, thirteen different species have been found. Bats are the only naturally occurring mammals there; all others were introduced after settlement of the island, first by the Taíno Indians and later by the Spanish. Puerto Rico is important for study because of its human history, tropical climate, size, relief, and isolation from the mainland. It is a useful model for understanding how historical, geographic, and environmental factors interact in a controlled environment to affect the diversity and complexity of its resident species. This volume is the first complete compilation of the distribution, natural history, taxonomy, and ecology of the bats of Puerto Rico. The coauthors, all experienced researchers, introduce the book with a discussion of Puerto Rican ecosystems and an overview of facts and misconceptions about bats in general. The main text provides detailed descriptions of each of the thirteen Puerto Rican species, as well as illustrations of their faces and skulls. The book concludes with keys to the characters of these bats and a complete glossary. Maps show the distribution of each species on the island. Bats of Puerto Rico is designed to be an easily used source of information for the general public as well as a complete descriptive record for ecologists, mammalogists, and wildlife biologists.

Genre: Nature
Number of Pages: 239
Language: English
ISBN: 9780896725515
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Bayesian Evolutionary Analysis with BEAST
Alexei J. Drummond, Remco R. Bouckaert
Cambridge University Press (August 6, 2015)

Summary:
What are the models used in phylogenetic analysis and what exactly is involved in Bayesian evolutionary analysis using Markov chain Monte Carlo (MCMC) methods? How can you choose and apply these models, which parameterisations and priors make sense, and how can you diagnose Bayesian MCMC when things go wrong? These are just a few of the questions answered in this comprehensive overview of Bayesian approaches to phylogenetics. This practical guide: • Addresses the theoretical aspects of the field • Advises on how to prepare and perform phylogenetic analysis • Helps with interpreting analyses and visualisation of phylogenies • Describes the software architecture • Helps developing BEAST 2.2 extensions to allow these models to be extended further. With an accompanying website providing example files and tutorials (http://beast2.org/), this one-stop reference to applying the latest phylogenetic models in BEAST 2 will provide essential guidance for all users - from those using phylogenetic tools, to computational biologists and Bayesian statisticians.

Genre: Computers
Number of Pages: 260
Language: English
Bayesian Statistics is the school of thought that combines prior beliefs with the likelihood of a hypothesis to arrive at posterior beliefs. The first edition of Peter Lee’s book appeared in 1989, but the subject has moved ever onwards, with increasing emphasis on Monte Carlo based techniques. This new fourth edition looks at recent techniques such as variational methods, Bayesian importance sampling, approximate Bayesian computation and Reversible Jump Markov Chain Monte Carlo (RJMCMC), providing a concise account of the way in which the Bayesian approach to statistics develops as well as how it contrasts with the conventional approach. The theory is built up step by step, and important notions such as sufficiency are brought out of a discussion of the salient features of specific examples. This edition: Includes expanded coverage of Gibbs sampling, including more numerical examples and treatments of OpenBUGS, R2WinBUGS and R2OpenBUGS. Presents significant new material on recent techniques such as Bayesian importance sampling, variational Bayes, Approximate Bayesian Computation (ABC) and Reversible Jump Markov Chain Monte Carlo (RJMCMC). Provides extensive examples throughout the book to complement the theory presented. Accompanied by a supporting website featuring new material and solutions. More and more students are realizing that they need to learn Bayesian statistics to meet their academic and professional goals. This book is best suited for use as a main text in courses on Bayesian statistics for third and fourth year undergraduates and postgraduate students.

Genre: Mathematics
Number of Pages: 488
Language: English
ISBN: 9781118359754
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
With its highly developed capacity to detect patterns in data, Perl has become one of the most popular languages for biological data analysis. But if you're a biologist with little or no programming experience, starting out in Perl can be a challenge. Many biologists have a difficult time learning how to apply the language to bioinformatics. The most popular Perl programming books are often too theoretical and too focused on computer science for a non-programming biologist who needs to solve very specific problems. Beginning Perl for Bioinformatics is designed to get you quickly over the Perl language barrier by approaching programming as an important new laboratory skill, revealing Perl programs and techniques that are immediately useful in the lab. Each chapter focuses on solving a particular bioinformatics problem or class of problems, starting with the simplest and increasing in complexity as the book progresses. Each chapter includes programming exercises and teaches bioinformatics by showing and modifying programs that deal with various kinds of practical biological problems. By the end of the book you'll have a solid understanding of Perl basics, a collection of programs for such tasks as parsing BLAST and GenBank, and the skills to take on more advanced bioinformatics programming. Some of the later chapters focus in greater detail on specific bioinformatics topics. This book is suitable for use as a classroom textbook, for self-study, and as a reference. The book covers: Programming basics and working with DNA sequences and strings Debugging your code Simulating gene mutations using random number generators Regular expressions and finding motifs in data Arrays, hashes, and relational databases Regular expressions and restriction maps Using Perl to parse PDB records, annotations in GenBank, and BLAST output

Genre: Computers
Number of Pages: 368
Language: English
ISBN: 9780596000806
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
Biodiversity
An Introduction
Kevin J. Gaston, John I. Spicer
Wiley (February 13, 2004)

Summary: CLICK HERE TO DOWNLOAD ARTWORK
This concise introductory text provides a complete overview of biodiversity - what it is, how it arose, its distribution, why it is important, human impact upon it, and what should be done to maintain it. Timely overview of the serious attempts made to quantify and describe biodiversity in a scientific way. Acts as an easy entry point into the primary literature. Provides real-world examples of key issues, including illustrations of major temporal and spatial patterns in biodiversity. Designed primarily with undergraduate students and course lecturers in mind, it will also be of interest to anyone who requires an overview of, and entry to, the vast literature on these topics. All the figures included in the book are downloadable from the Blackwell Publishing website.

Genre: Science
Number of Pages: 208
Language: English
ISBN: 9781405118576
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Biogeography
Mark V. Lomolino, Brett R. Riddle, James H. Brown

Summary: Starting from simple facts and principles and assuming only a rudimentary knowledge of biology, geography, and Earth history, the updated and revised text explains the relationships between geographic variation in biodiversity and the geological, ecological, and evolutionary processes that have produced them.

Genre: Science
Number of Pages: 845
Language: English
ISBN: 9780878930623
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Biogeography of the Reptiles of South Asia
Indraneil Das

Summary:
This work is an analysis of the reptile fauna of South Asia, its endemicity, the patterns and correlates of species diversity, affinities within the region, and with extralimital fauna, barriers to distribution and speciation.

Genre: Nature
Number of Pages: 87
Language: English
ISBN: 9780894649356
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

Biogeography of the West Indies
Past Present and Future
Charles A. Woods
CRC-Press (September 1, 2000)

Summary:
As a review of the status of biogeography in the West Indies in the 1980s, the first edition of Biogeography of the West Indies: Past, Present, and Future provided a synthesis of our current knowledge of the systematics and distribution of major plant and animal groups in the Caribbean basin. The totally new and revised Second Edition, Biogeography of the West Indies: Patterns and Perspectives, emphasizes recent ideas and hypotheses in the field and includes many new chapters and contributions. The authors use the broadest possible interpretations of the concepts of biogeography, consider anthropological and geological factors, and discuss the conservation of endemic species. Drawing together contributions from the leading experts in biogeography and biodiversity, this book introduces new patterns and developments that add to our understanding of how plants and animals are dispersed throughout the region. Many contributions use new techniques such as molecular systematics to test older studies based strictly on morphological data. Unique in its inclusion of a wide variety of organisms and in its coordination of scientific data and conservation strategies, Biogeography of the West Indies: Patterns and Perspectives, Second Edition provides the only encyclopedic discussion available on the biogeography of the Antilles.

Genre: Technology & Engineering
Number of Pages: 608
Language: English
ISBN: 9780849320019
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
Summary:
BIOLOGY, Seventh Edition by Solomon, Berg, and Martin continues to be the best-liked and most student-friendly introductory majors text available. In this edition the authors have created a learning system that makes the chapters easier to navigate and provides a variety of ways for students to learn the material. "Learning Objectives" are now strategically placed throughout the chapter following major headings, and there are review questions at the ends of these major sections. "Chapter Summaries" are now organized around the "Learning Objectives" as well, making it easier for students to return to the place in the book that can help them work through the end-of-chapter material. Icons throughout the chapter direct students to the BiologyNow CD and tells them what they will find there. BiologyNow, the new Student CD-ROM for BIOLOGY Seventh Edition, is also based on these "Learning Objectives" to further reinforce the text's concepts. The BiologyNow CD, fully integrated with the Seventh Edition text, provides access to diagnostic pre-tests for each chapter. It also automatically generates customized learning plans for students, directing students to the information in the book, ancillaries and media program that will help them master specific concepts. Post-tests allow students to assess their progress as well. And now Brooks/Cole offers vMentor, a FREE online live tutoring service. Students can ask questions, get answers, and they don’t need to set up appointments! For instructors, a Multimedia Manager provides the text art in PowerPoint form. Instructors also receive an Instructor's Guide, ExamView Electronic Testing and WebTutor course management options. Solomon, Berg, and Martin have gone beyond presenting facts for memorization -- they have created a well-designed pedagogical system through their use and reuse of chapter "Learning Objectives," which is supported by an unbelievable package of materials for instructors and students.
Summary:
This set of original essays by some of the most distinguished names in philosophy of science explores a range of diverse issues at the intersection of biology and epistemology. The studies, taken together, help to develop and deepen our understanding of how biology works and what counts as warranted knowledge and as legitimate approaches to the study of life. The volume will interest professionals and graduate students in biology and the history and philosophy of science.

Genre: Science
Number of Pages: 314
Language: English
ISBN: 9780521592901
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
This is the widely acclaimed, preeminent reference and text on all aspects of amphibian biology, including their life history, ecology, morphology, and evolution. Copiously illustrated with original drawings and photographs and meticulously referenced with more than 2,500 bibliographic entries, it has proved indispensable to professional biologists and students alike. Now reissued in paperback with an updated preface by the authors, Biology of Amphibians remains the standard work in its field.

Genre: Nature
Number of Pages: 670
Language: English
ISBN: 9780801847806
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Genre: Mathematics
Number of Pages: 887
Language: English
ISBN: 9780716724117
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Birds of the Carolinas Field Guide
Stan Tekiela
Adventure Publications (September 15, 2004)

Summary:
Make bird watching in North Carolina and South Carolina even more enjoyable! With Stan Tekiela’s famous field guide, bird identification is simple and informative. There’s no need to look through dozens of photos of birds that don’t live in the Carolinas. This book features 140 species of Carolina birds, organized by color for ease of use. Do you see a yellow bird and don’t know what it is? Go to the yellow section to find out. Fact-filled information, a compare feature, range maps, and detailed photographs help to ensure that you positively identify the birds that you see.

Genre: Nature
Number of Pages: 368
Language: English
ISBN: 9781591930662
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

Birds of the West Indies
Herbert A. Raffaele, James Wiley, Orlando H. Garrido, Allan Keith, Janis I. Raffaele
Princeton University Press (September 22, 2003)

Summary:
Fully illustrated, easy to use, and completely up-to-date, Birds of the West Indies is the only field guide that covers all of the bird species known to occur in the region—including migrants and infrequently occurring forms. Each species is represented by a full description that includes identification field marks, status and range, habitat, and voice. A map showing the bird’s distribution accompanies many species accounts, and plumages of all species are depicted in ninety-three beautifully rendered color plates. Bird lovers, vacationing tourists, local residents, and "armchair travelers" will all want to own this definitive field guide to the birds of the West Indies. Includes all species recorded in the region Features ninety-three color plates with concise text on facing pages for quick reference and easy identification Species accounts cover identification, voice, status and habitat, and range Color distribution maps

Genre: Nature
Number of Pages: 216
Language: English
ISBN: 9780691113197
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Birds of the West Indies
A Peterson Field Guide Series
James Bond
Houghton Mifflin Company (1993)

Number of Pages: 256
Language: English
Physical Location: Lab
Reading Status: Finished
Date Added: November 20, 2018

Black Python
Flagle, Stoops

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
Few reptiles command more respect than the mighty boas and pythons. Prized for their size, relative docility, and spectacular coloration and patterning, they are the most dramatic snakes in the world. But the same snakes that many consider gentle giants--the Green Anaconda can exceed twelve yards in length--are also finely tuned killing machines. In Boas and Pythons of the World, renowned snake expert Mark O'Shea takes readers on an exciting continent-by-continent journey to look at these snakes in their native habitats. Stunning color photographs and intriguing stories from O'Shea's encounters with these snakes in the wild bring these reptiles to life. There is a tremendous variety of boas and pythons. While the largest are measured in yards, the smallest, the Javelin Sand Boa, is no longer than thirty-two inches. And they inhabit a vast range of habitats on five continents, from stony desert to lush tropical forest. In more than one hundred detailed species accounts, Boas and Pythons of the World examines snakes as different as the cryptically patterned Madagascan Ground Boa and Australasia's beautiful Green Tree Python. Although some of these snakes are capable of attacking and killing humans, boas and pythons are much more likely to be man's victims. Across the world, these snakes are retreating in the face of habitat destruction, hunting, and climate change. Addressing the dire risks they face, O'Shea discusses what can be done to help save what are among our most fascinating reptiles. Snake expert Mark O'Shea's tour of the fascinating world of boas, pythons, and basal snakes--from primitive blindsnakes to the mighty anaconda Dramatic accounts of O'Shea's personal encounters with these great snakes in their natural habitats--on five continents Detailed information about the snakes' habitats and behaviors Over 150 superb color photographs that capture the diverse beauty of more than 100 species, including rarely seen and endangered species Two world maps showing the distribution of the various families of boas, pythons, and basal snakes
Summary:
"Provocative and delightfully discursive essays on natural history... Gould is the Stan Musial of essay writing. He can work himself into a corkscrew of ideas and improbable allusions paragraph after paragraph and then, uncoiling, hit it with such power that his fans know they are experiencing the game of essay writing at its best."--John Noble Wilford, New York Times Book Review

Genre: Nature
Number of Pages: 540
Language: English
ISBN: 9780393308570
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Stewart's CALCULUS: CONCEPTS AND CONTEXTS, Third Edition offers a streamlined approach to teaching calculus, focusing on major concepts and supporting those with precise definitions, patient explanations, and carefully graded problems. CALCULUS: CONCEPTS AND CONTEXTS is highly regarded because it has successfully brought peace to departments that were split between reform and traditional approaches to teaching calculus. Not only does the text help reconcile the two schools of thought by skillfully merging the best of traditional calculus with the best of the reform movement, it does so with innovation and meticulous accuracy.

Genre: Mathematics
Number of Pages: 1,133
Language: English
ISBN: 9780534409869
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
Now in its fourth edition, Calculus reflects the strong consensus within the mathematics community for a balance between contemporary and traditional ideas. Building on previous work, it brings together the best of both new and traditional curricula in an effort to meet the needs of instructors and students alike. The text exhibits the same strengths from earlier editions including the Rule of Four, an emphasis on modeling, exposition that is easy to understand, and a flexible approach to technology.

Genre: Mathematics
Number of Pages: 688
Language: English
ISBN: 9780471484813
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
From wave-battered headlands and quiet estuaries to spectacular mountain peaks and sprawling desert plateaus, the new expanded edition of the "California Wildlife Viewing Guide" leads you to 200 of the best wildlife viewing areas in the state. Inside you'll find a detailed description of each site, maps and access information, helpful viewing tips, and more than 100 color photos by California's best wildlife photographers.

Genre: Nature
Number of Pages: 192
Language: English
ISBN: 9781560444947
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
The Tenth Edition of the best-selling text Campbell BIOLOGY helps launch you to success in biology through its clear and engaging narrative, superior pedagogy, and innovative use of art and photos to promote student learning. The Tenth Edition helps you develop a deeper understanding of biology by making connections visually across chapters and building the scientific skills needed for success in upper-level courses.

New Make Connections Figures pull together content from different chapters visually, helping you see "big picture" relationships.

New Scientific Skills Exercises in every chapter use real data to build key skills needed for biology, including data analysis, graphing, experimental design, and math skills.

New examples show you how our ability to sequence DNA and proteins rapidly and inexpensively is transforming every subfield of biology.

Summary:
The Tenth Edition of the best-selling text Campbell BIOLOGY helps launch you to success in biology through its clear and engaging narrative, superior pedagogy, and innovative use of art and photos to promote student learning. The Tenth Edition helps you develop a deeper understanding of biology by making connections visually across chapters and building the scientific skills needed for success in upper-level courses. New Make Connections Figures pull together content from different chapters visually, helping you see "big picture" relationships. New Scientific Skills Exercises in every chapter use real data to build key skills needed for biology, including data analysis, graphing, experimental design, and math skills. New examples show you how our ability to sequence DNA and proteins rapidly and inexpensively is transforming every subfield of biology.

Genre: Science
Number of Pages: 1,279
Language: English
ISBN: 9780321775658
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Campbell Biology, 11th Ed

Pearson

Bukupedia (April 25, 2017)

Summary: Campbell Biology, 11th Ed
Genre: Science
Number of Pages: 1,488
Language: English
ISBN: 9780134093413
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Caribbean Amphibians and Reptiles

Brian I. Crother, Albert Schwartz


Summary:
Amphibians and reptiles are the most numerous, diverse, and frequently encountered animals on the Caribbean islands. This book provides a variety of perspectives on this amazing group of organisms. Caribbean Amphibians and Reptiles, compiled by an international team of zoologists, takes a fresh and detailed look at the complex biological puzzle of the Caribbean. The first true overview of the islands, it includes a historical examination of the people who have studied the Caribbean amphibians and reptiles. The book reviews the ecology, evolutionary history, and biogeographic explanations for the origins and diversity of the region's fauna with island-by-island coverage. It puts the Caribbean in perspective by comparing the islands to Central America and its amphibian reptile diversity. Additionally, the book includes figures, tables, and color plates which bring to life some of the region's most spectacular creatures.Key Features* Presents the first complete review of amphibians and reptiles in the Caribbean* Includes color plates and island maps* Contributors are recognized authorities in the field
Genre: Nature
Number of Pages: 495
Language: English
ISBN: 9780121979553
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Caribbean Landscapes
An Interpretive Atlas
Timothy S. Brothers, Jeffrey Scott Wilson, Owen J. Dwyer

Carnivore Behavior, Ecology, and Evolution
John L. Gittleman
Springer Science & Business Media (March 9, 2013)

Summary:
Carnivores have always fascinated us, even though they make up only 10% of all mammalian genera and only about 2% of all mammalian biomass. In Greek mythology most of the gods adorned their robes and helmets with depictions of carnivores, and the great hero Hercules' most famous feat was killing the "invulnerable" lion with his bare hands. Part of our fascination with carnivores stems from fright and intrigue, and sometimes even hatred because of our direct competition with them. Cases of "man-eating" lions, bears, and wolves, as well as carnivores' reputation as killers of livestock and game, provoke communities and governments to adopt sweeping policies to exterminate them. Even President Theodore Roosevelt, proclaimer of a new wildlife protectionism, described the wolf as "the beast of waste and desolation." The sheer presence and power of carnivores is daunting: they can move quickly yet silently through forests, attaining rapid bursts of speed when necessary; their massive muscles are aligned to deliver powerful attacks, their large canines and strong jaws rip open carcasses, and their scissor-like carnassials slice meat. Partly because of our fear of these attributes, trophy hunting of carnivores has been, and to a certain extent still is, a sign of bravery and skill. Among some Alaskan Inuit, for example, a man is not eligible for marriage until he has killed a succession of animals of increasing size and dangerousness, culminating with the most menacing, the polar bear.
Checklist Of Amphibians And Reptiles In Tennessee
Redmond

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Chemistry: Principles and Reactions
William L. Masterton, Cecile N. Hurley
Cengage Learning (January 2, 2015)

Summary:
This latest edition of CHEMISTRY: PRINCIPLES AND REACTIONS takes students directly to the crux of chemistry's fundamental concepts and allows you to efficiently cover all topics found in a typical general chemistry book. Based on the authors' extensive teaching experience, the book includes rigorous graded and concept-driven examples, as well as examples that focus on molecular reasoning and understanding. The Eighth Edition features a new and innovative example format, new talking labels within artwork, 25% new or revised problems, Chemistry: Beyond the Classroom essays that highlight some of the most up-to-date uses of chemistry, and end-of-chapter questions and Key Concepts that correlate to OWLv2, the #1 online homework and tutorial system for chemistry. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Genre: Science
Number of Pages: 800
Language: English
ISBN: 9781305560567
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Coalescent Theory
An Introduction
John Wakely
Macmillan Learning (April 22, 2016)

Summary:
This textbook provides the foundation for molecular population genetics and genomics. It shows the conceptual framework for studies of DNA sequence variation within species, and is the source of essential tools for making inferences about mutation, recombination, population structure and natural selection from DNA sequence data.

**Genre:** Science

**Number of Pages:** 352  
**Language:** English  
**ISBN:** 9780974707754  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 16, 2018  
**Tags:** Office

**Coastal Fish Identification**  
**California to Alaska**  
Paul Humann  

New World Publications (1996)

![Coastal Fish Identification](image)

**Summary:**  
How to use this book -- Heavy body/large lips -- Bulbous, spiny-headed bottom dwellers -- Eels & eel-like bottom-dwellers -- Elongated bottom-dwellers -- Flatfish/bottom dwellers -- Odd-shaped bottom dwellers -- Odd-shaped & other swimmers -- Silvery swimmers -- Sharks & rays -- Common name index -- Scientific name index -- Personal record of fish sightings.

**Genre:** Nature

**Number of Pages:** 205  
**Language:** English  
**ISBN:** 9781878348128  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

**Collapse**  
**how societies choose to fail or succeed**  
Jared M. Diamond  

Viking (2005)

![Collapse](image)

**Summary:**
In his million-copy bestseller Guns, Germs, and Steel, Jared Diamond examined how and why Western civilizations developed the technologies and immunities that allowed them to dominate much of the world. Now in this brilliant companion volume, Diamond probes the other side of the equation: What caused some of the great civilizations of the past to collapse into ruin, and what can we learn from their fates? As in Guns, Germs, and Steel, Diamond weaves an all-encompassing global thesis through a series of fascinating historical-cultural narratives. Moving from the Polynesian cultures on Easter Island to the flourishing American civilizations of the Anasazi and the Maya and finally to the doomed Viking colony on Greenland, Diamond traces the fundamental pattern of catastrophe. Environmental damage, climate change, rapid population growth, and unwise political choices were all factors in the demise of these societies, but other societies found solutions and persisted. Similar problems face us today and have already brought disaster to Rwanda and Haiti, even as China and Australia are trying to cope in innovative ways. Despite our own society's apparently inexhaustible wealth and unrivaled political power, ominous warning signs have begun to emerge even in ecologically robust areas like Montana. Brilliant, illuminating, and immensely absorbing, Collapse is destined to take its place as one of the essential books of our time, raising the urgent question: How can our world best avoid committing ecological suicide?

Genre: Environmental policy/Case studies
Number of Pages: 575
Language: English
ISBN: 9780670033379
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Collecting and Preserving Genetic Material for Herpetological Research
Tony Gamble

Society for the Study of Amphibians and Reptiles (2014)

Genre: Nature
Number of Pages: 50
Language: English
ISBN: 9780916984885
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Conservation and the Genetics of Populations
Fred W. Allendorf, Gordon Luikart

Wiley (August 14, 2006)

Summary:
Conservation and the Genetics of Populations gives a comprehensive overview of the essential background, concepts, and tools needed to understand how genetic information can be used to develop conservation plans for species threatened with extinction. Provides a thorough understanding of the genetic basis of biological problems in conservation. Uses a balance of data and theory, and basic and applied research, with examples taken from both the animal and plant kingdoms. An associated website contains example data sets and software programs to illustrate population genetic processes and methods of data analysis. Discussion questions and problems are included at the end of each chapter to aid understanding. Features Guest Boxes written by leading people in the field including James F. Crow, Nancy FitzSimmons, Robert C. Lacy, Michael W. Nachman, Michael E. Soule, Andrea Taylor, Loren H. Rieseberg, R.C. Vrijenhoek, Lisette Waits, Robin S. Waples and Andrew Young. Supplementary information designed to support Conservation and the Genetics of Populations including: Downloadable sample chapter, Answers to questions and problems, Data sets illustrating problems from the book, Data analysis software programs, Website links. An Instructor manual CD-ROM for this title is available. Please contact our Higher Education team at HigherEducation@wiley.com for more information.

**Genre:** Science  
**Number of Pages:** 664  
**Language:** English  
**ISBN:** 9781405121453  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Conservation and the Genetics of Populations**  
Fred W. Allendorf, Gordon H. Luikart, Sally N. Aitken  
John Wiley & Sons (December 17, 2012)

**Summary:**  
Loss of biodiversity is among the greatest problems facing the world today. Conservation and the Genetics of Populations gives a comprehensive overview of the essential background, concepts, and tools needed to understand how genetic information can be used to conserve species threatened with extinction, and to manage species of ecological or commercial importance. New molecular techniques, statistical methods, and computer programs, genetic principles, and methods are becoming increasingly useful in the conservation of biological diversity. Using a balance of data and theory, coupled with basic and applied research examples, this book examines genetic and phenotypic variation in natural populations, the principles and mechanisms of evolutionary change, the interpretation of genetic data from natural populations, and how these can be applied to conservation. The book includes examples from plants, animals, and microbes in wild and captive populations. This second edition contains new chapters on Climate Change and Exploited Populations as well as new sections on genomics, genetic monitoring, emerging diseases, metagenomics, and more. One-third of the references in this edition were published after the first edition. Each of the 22 chapters and the statistical appendix have a Guest Box written by an expert in that particular topic (including James Crow, Louis Bernatchez, Loren Rieseberg, Rick Shine, and Lisette Waits). This book is essential for advanced undergraduate and graduate students of conservation genetics, natural resource management, and conservation biology, as well as professional conservation biologists working for wildlife and habitat management agencies. Additional resources for this book can be found at: ahref="http://www.wiley.com/go/allendorf/populations"www.wiley.com/go/allendorf/populations/a.

**Genre:** Science  
**Number of Pages:** 602  
**Language:** English  
**ISBN:** 9780470671450  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
**Conservation of Caribbean Island Herpetofaunas Volume 2: Regional Accounts of the West Indies**

Adrian Hailey, Byron Wilson, Julia Horrocks

BRILL (April 7, 2011)

Summary:
Most of the islands of the Caribbean have long histories of herpetological exploration and discovery, and even longer histories of human-mediated environmental degradation. Collectively, they constitute a major biodiversity hotspot – a region rich in endemic species that are threatened with extinction. This two-volume series documents the existing status of herpetofaunas (including sea turtles) of the Caribbean, and highlights conservation needs and efforts. Previous contributions to West Indian herpetology have focused on taxonomy, ecology and evolution, particularly of lizards. This series provides a unique and timely review of the status and conservation of all groups of amphibians and reptiles in the region. This volume provides regional accounts of the islands of the West Indies biogeographic region.

**Genre:** Science

**Number of Pages:** 448

**Language:** English

**ISBN:** 9789004194083

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 16, 2018

**Tags:** Office

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**Contributions to West Indian Herpetology**

A Tribute to Albert Schwartz

Albert Schwartz, Society for the Study of Amphibians and Reptiles

Society for the Study of Amphibians and Reptiles (January 1, 1996)

**Genre:** Nature

**Number of Pages:** 457

**Language:** English

**ISBN:** 9780916984373

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
Summary:
In the seventeenth century, a vision arose which was to captivate the Western imagination for the next three hundred years: the vision of Cosmopolis, a society as rationally ordered as the Newtonian view of nature. While fueling extraordinary advances in all fields of human endeavor, this vision perpetuated a hidden yet persistent agenda: the delusion that human nature and society could be fitted into precise and manageable rational categories. Stephen Toulmin confronts that agenda—its illusions and its consequences for our present and future world. "By showing how different the last three centuries would have been if Montaigne, rather than Descartes, had been taken as a starting point, Toulmin helps destroy the illusion that the Cartesian quest for certainty is intrinsic to the nature of science or philosophy."—Richard M. Rorty, University of Virginia

[Toulmin] has now tackled perhaps his most ambitious theme of all... His aim is nothing less than to lay before us an account of both the origins and the prospects of our distinctively modern world. By charting the evolution of modernity, he hopes to show us what intellectual posture we ought to adopt as we confront the coming millennium."—Quentin Skinner, New York Review of Books

Genre: History
Number of Pages: 228
Language: English
ISBN: 9780226808383
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
This volume is a synthesis of existing knowledge about the flora and fauna of Costa Rica. The major portion of the book consists of detailed accounts of agricultural species, vegetation, amphibians, reptiles, mammals, birds, and insects. "This is an extraordinary, virtually unique work. . . . The tremendous amount of original, previously unpublished, firsthand information is remarkable."--Peter H. Raven, Director, Missouri Botanical Garden "An essential resource for anyone interested in tropical biology. . . . It can be used both as an encyclopedia--a source of facts on specific organisms--and as a source of ideas and generalizations about tropical ecology."--Alan P. Smith, Ecology

Genre: Nature
Number of Pages: 816
Language: English
ISBN: 9780226393346
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Dr. Niko Tinbergen was well known as a naturalist and a student of animal behaviour in England, on the Continent and in the United States. Ever since he was a young student in Holland he had been curious about nature, and in this book he sets out some of the facts that 25 years of curiosity gave him. As a biologist, anything living was his province—the bee-killing wasps and the digger wasps of the Dutch sand dunes; the Snow Bruntings and Phalaropes of Greenland; Hobbies and other hawks; moths and butterflies in various parts of England and Holland; Black-headed Gulls of the Ravenglass nature reserve, Cumberland, the Kittiwakes and Eider Ducks of the Farne Islands off the coast of Northumberland. Readers cannot fail to be struck—and possibly sometimes amused—by the patience and ingenuity shown in the field studies undertaken by Dr. Tinbergen and his fellow naturalists—and which are now passed on for the benefit and interest of his readers. The studies were always undertaken seriously, but this did not prevent Dr. Tinbergen from writing about them in the liveliest way; he realised that quite often he and his friends must have seemed to onlookers to be very curious naturalists indeed.

Genre: Nature
Number of Pages: 251
Language: English
ISBN: 9781787209015
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
"Assays of assemblages of amphibians and reptiles provide important information on community structure in the tropics. These ectothermic organisms are highly responsive to slight differences in the environment and to seasonal differences, such as patterns of rainfall. Most species seem to have rather restricted home ranges; therefore, data gathered in a restricted area provide much better insight into the requirements of, and potential interactions among, the species in the assemblage."—from the Introduction

The rainforests in the southwestern part of the Amazon Basin in southeastern Peru are home to scores of amphibians and reptiles. Cusco Amazónico is a richly illustrated and comprehensive account of the lives of 151 of these species. William E. Duellman's masterpiece of community ecology includes descriptions of the physical environment and vegetation found in this unique habitat along with syntheses of abundance, mass, feeding, reproductive guilds, and daily and seasonal patterns of activity. Identification keys in English and Spanish precede detailed and illustrated species accounts. Tadpoles of many frogs are described and illustrated. Cusco Amazónico will become a standard reference for herpetologists, tropical biologists, biogeographers, ecologists, and conservationists and stands on its own as a portrait of an animal community in a unique bioregion. The illustrations include 236 color photographs, 121 charts and graphs, 16 maps, 42 line drawings, 2 halftones, and 56 sets of audiospectrograms and waveforms. There are 71 tables.

Genre: Nature
Number of Pages: 433
Language: English
ISBN: 9780801439971
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary: Darwin's masterpiece, the most important book of the millennium, is rewritten by a renowned geneticist using fascinating contemporary examples and incorporating the vast amount of scientific knowledge discovered since its publication.

Genre: Science
Number of Pages: 377
Language: English
ISBN: 9780375501036
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary: Desert Solitaire
A Season in the Wilderness
EDWARD ABBEY
HarperCollins Publishers Limited (March 5, 2020)

Language: English
ISBN: 9780000828339
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary: Designing Field Studies for Biodiversity Conservation
Peter Feinsinger
Island Press (July 1, 2001)

Language: English
ISBN: 9781559631309
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Anyone working in biodiversity conservation or field ecology should understand and utilize the common-sense process of scientific inquiry: observing surroundings, framing questions, answering those questions through well-designed studies, and, in many cases, applying results to decision making. Yet the interdisciplinary nature of conservation means that many workers are not well versed in the methods of science and may misunderstand or mistrust this indispensable tool. Designing Field Studies for Biodiversity Conservation addresses that problem by offering a comprehensible, practical guide to using scientific inquiry in conservation work. In an engaging and accessible style, award-winning tropical ecologist and teacher Peter Feinsinger melds concepts, methods, and intellectual tools into a unique approach to answering environmental questions through field studies. Focusing on the fundamentals of common sense, independent thinking, and natural history, he considers: framing the question and designing the study interpreting and applying results through judicious use of statistical inference taking into account the natural history of plants, animals, and landscapes monitoring and assessing progress through approaches such as “bioindicator species” or “species diversity measures” helping other interested parties (park guards, local communities, school teachers) use scientific inquiry in addressing their own concerns Detailed appendixes explain technical issues, while numerous sidebars and illustrations provide important background and thought-provoking exercises. Throughout, the author challenges the reader to integrate conceptual thinking with on-the-ground practice in order to make conservation truly effective. Feinsinger concentrates on examples from Latin America but stresses that the approach applies to local conservation concerns or field biology questions in any landscape. Designing Field Studies for Biodiversity Conservation is an essential handbook for staff and researchers working with conservation institutions or projects worldwide, as well as for students and professionals in field ecology, wildlife biology, and related areas.

Genre: Nature
Number of Pages: 212
Language: English
ISBN: 9781559638784
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Dictionary of Ecology
HERBERT C. HANSON
Forgotten Books (2016)

Number of Pages: 397
Language: English
ISBN: 9781440066733
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Dictionary of Herpetology
A Brief and Meaningful Definition of Words and Terms Used in Herpetology
James Arthur Peters
Hafner (1964)

Summary:
Terms used in "Descriptive morphology represent the greatest number...but there are many drawn from areas such as physiology..., ethology, collecting techniques, and many others. Pronunciation... origins and derivations are not traced."—Pref. Citations to the literature are included for each term. A section of line drawings of various skeletal and scale regions used in identification is included at end.

Genre: Herpetology
Number of Pages: 392
Language: English
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

DNA
Promise and Peril
Linda L. McCabe, Edward R.B. McCabe
University of California Press (March 4, 2008)

Summary:
"The discussions of genetic determinism, prenatal genetic testing, eugenics, and gender identity are particularly informative, stimulating, clearly spelled out, and comprehensible to lay readers as well as professionals."—Solomon A. Kaplan, MD, Professor Emeritus, Mattel Children's Hospital at UCLA
"If you read one book about the human genome, this is it! An extraordinary thoughtful, readable and myth-busting contribution to understanding our future. I loved it!"—Donna E. Shalala, former U.S. Secretary of Health and Human Services

Genre: Medical
Number of Pages: 339
Language: English
ISBN: 9780520251878
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Dragons of Eden
Speculations on the Evolution of Human Intelligence
Carl Sagan
Random House Publishing Group (September 26, 2012)

Summary:
"A history of the human brain from the big bang, fifteen billion years ago, to the day before yesterday . . . It’s a delight."—The New York Times
Dr. Carl Sagan takes us on a great reading adventure, offering his vivid and startling insight into the brain of man and beast, the origin of human intelligence, the function of our most haunting legends—and their amazing links to recent discoveries. "How can I persuade every intelligent person to read this important and elegant book? . . . He talks about all kinds of things: the why of the pain of human childbirth . . . the reason for sleeping and dreaming . . . chimpanzees taught to communicate in deaf and dumb language . . . the definition of death . . . cloning . . . computers . . . intelligent life on other planets. . . . Fascinating . . . delightful."—The Boston Globe
"In some lost Eden where dragons ruled, the foundations of our intelligence were laid. . . . Carl Sagan takes us on a guided tour of that lost land. . . . Fascinating . . . entertaining . . . masterful."—St. Louis Post-Dispatch

Genre: Science
**Ecological Census Techniques**

*A Handbook*

William J. Sutherland

Cambridge University Press (August 3, 2006)

Summary:
This is an updated version of the best selling first edition, *Ecological Census Techniques*, with updating, some new chapters and authors. Almost all ecological and conservation work involves carrying out a census or survey. This practically focussed book describes how to plan a census, the practical details and shows with worked examples how to analyse the results. The first three chapters describe planning, sampling and the basic theory necessary for carrying out a census. In the subsequent chapters international experts describe the appropriate methods for counting plants, insects, fish, amphibians, reptiles, mammals and birds. As many censuses also relate the results to environmental variability, there is a chapter explaining the main methods. Finally, there is a list of the most common mistakes encountered when carrying out a census.

Genre: Nature

**Ecological Speciation**

Patrik Nosil

OUP Oxford (March 15, 2012)

Summary:
The origin of biological diversity, via the formation of new species, can be inextricably linked to adaptation to the ecological environment. Specifically, ecological processes are central to the formation of new species when barriers to gene flow (reproductive isolation) evolve between populations as a result of ecologically-based divergent natural selection. This process of 'ecological speciation' has seen a large body of particularly focused research in the last 10-15 years, and a review and synthesis of the theoretical and empirical literature is now timely. The book begins by clarifying what ecological speciation is, its alternatives, and the predictions that can be used to test for it. It then reviews the three components of ecological speciation and discusses the geography and genomic basis of the process. A final chapter highlights future research directions, describing the approaches and experiments which might be used to conduct that future work. The ecological and genetic literature is integrated throughout the text with the goal of shedding new insight into the speciation process, particularly when the empirical data is then further integrated with theory.

Genre: Science
**Ecology**

**Theories and Applications**

Peter D. Stiling

Prentice Hall (1999)

Summary:

Integrates applied ecology, focusing on the real-world applications that are present throughout each subdiscipline of ecology. The text expands coverage of behavioural and ecosystems ecology, including a chapter on the life history theory which features sections on mating systems, sex ratios, habitat selection dispersal and age structure. The book also broadens materials on abiotic factors to include new discussions on such factors as nutrients, soil light, wind pH and salinity.

Genre: Science

Number of Pages: 638

Language: English

ISBN: 9780199587117

Reading Status: Finished

Date Finished: November 19, 2018

Date Added: November 16, 2018

Tags: Office

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**Ecology**

**Evolution, Application, Integration**

David T. Krohne

Oxford University Press (March 2, 2015)

Summary:

Ecology: Evolution, Application, Integration provides students and instructors with a groundbreaking evolutionary approach that transforms ecology from a collection of disassociated facts into an integrated, concept-driven discipline. Since most ecological interactions are rooted in adaptive evolution, students learn to place ecological problems in an evolutionary context, thinking critically instead of just memorizing facts. This text develops scientific reasoning skills by teaching students not just what we know about the field, but also how we know what we know about it. Each chapter of Ecology begins with a fundamental ecological question. The sections of the chapter are designed around a logical sequence of smaller questions, the answers to which eventually enable students to answer the chapter's main question. This approach models the process of science; as students gain experience with this approach, they can apply it to new problems and questions. Ecology: Evolution, Application, Integration is distinguished by the following approaches:--Integrates modern evolutionary theory throughout--Highlights applications and connections to the real world--Emphasizes inquiry, critical thinking, and the process of science--Presents quantitative topics clearly and in real-world applied contexts

Genre: Nature

Number of Pages: 520

Language: English

ISBN: 9780199757459

Reading Status: Finished
Summary:
In these essays that survey the burgeoning field of tropical herpetology, former students and associates pay tribute to Jay Savage's four decades of mentoring. The result is a book unlike any other available in tropical herpetology. Covering a wide array of subjects, Ecology and Evolution in the Tropics is the first book in more than two decades to broadly review research on tropical amphibians and reptiles. A tribute to Savage and an invaluable addition to the herpetological literature, this work will be cited for years to come.

Genre: Nature
Number of Pages: 675
Language: English
ISBN: 9780226156583
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Ecology, Genetics and Evolution of Metapopulations is a collection of specially commissioned articles that looks at fragmented habitats, bringing together recent theoretical advances and empirical studies applying the metapopulation approach. Several chapters closely integrate ecology with genetics and evolutionary biology, and others illustrate how metapopulation concepts and models can be applied to answer questions about conservation, epidemiology, and speciation. The extensive coverage of theory from highly regarded scientists and the many substantive applications in this one-of-a-kind work make it invaluable to graduate students and researchers in a wide range of disciplines. Provides a comprehensive and authoritative account of all aspects of metapopulation biology, integrating ecology, genetics, and evolution Developed by recognized experts, including Hanski who won the Balzan Prize for Ecological Sciences Covers novel applications of the metapopulation approach to conservation

Genre: Science
Number of Pages: 696
Language: English
ISBN: 9780123234483
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Eight little piggies
reflections in natural history
Stephen Jay Gould

Jonathan Cape (1993)

Genre: Evolution (Biology)
Number of Pages: 479
Language: English
ISBN: 9780224037167
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Encyclopedia of Islands
Rosemary G. Gillespie, D. A. Clague

University of California Press (2009)

Summary:
"An exceptionally concise and well-organized compilation of lucid accounts of the historical background and current research into all aspects of island science. Anyone with a serious interest in islands needs this tome close at hand."--Alex Mc Birney, author of Volcanology and Igneous Petrology
"Scientific research on islands has greatly expanded our knowledge not only of insular biology, but also of the ecological and evolutionary processes that shape biodiversity throughout the world. This beautifully illustrated volume is a comprehensive compendium of all topics related to islands and the science conducted on them. It will be an invaluable resource not only to ecologists and evolutionary biologists, but also to anthropologists, historians, geologists, conservationists, and anyone else interested in the wonderful diversity of islands and their inhabitants."--Jonathan Losos, author of Lizards in an Evolutionary Tree: Ecology and Adaptive Radiation of Anoles
"Encyclopedia of Islands is an excellent reference guide. I wish I'd had it onboard my vessel, the Sorcerer II, during our circumnavigation."--J. Craig Venter, President, J. Craig Venter Institute, and former Founder and Chair, The Institute for Genomic Research

Genre: Nature
Number of Pages: 1,074
Language: English
ISBN: 9780520256491
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
Endless Forms Most Beautiful: The New Science of Evo Devo
Sean B. Carroll
W. W. Norton & Company (April 17, 2006)

Summary:
"A beautiful and very important book."—Lewis Wolpert, American Scientist
For over a century, opening the black box of embryonic development was the holy grail of biology. Evo Devo—Evolutionary Developmental Biology—is the new science that has finally cracked open the box. Within the pages of his rich and riveting book, Sean B. Carroll explains how we are discovering that complex life is ironically much simpler than anyone ever expected.

Genre: Science
Number of Pages: 350
Language: English
ISBN: 9780393327793
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Environmental DNA
For Biodiversity Research and Monitoring
Pierre Taberlet, Aurélie Bonin, Lucie Zinger, Eric Coissac
Oxford University Press (2018)

Summary:
Environmental DNA (eDNA) refers to DNA that can be extracted from environmental samples (such as soil, water, feces, or air) without the prior isolation of any target organism. The analysis of environmental DNA has the potential of providing high-throughput information on taxa and functional genes in a given environment, and is easily amenable to the study of both aquatic and terrestrial ecosystems. It can provide an understanding of past or present biological communities as well as their trophic relationships, and can thus offer useful insights into ecosystem functioning. There is now a rapidly-growing interest amongst biologists in applying analysis of environmental DNA to their own research. However, good practices and protocols dealing with environmental DNA are currently widely dispersed across numerous papers, with many of them presenting only preliminary results and using adversity of methods. In this context, the principal objective of this practical handbook is to provide biologists (both students and researchers) with the scientific background necessary to assist with the understanding and implementation of best practices and analyses based on environmental DNA.

Number of Pages: 272
Language: English
ISBN: 9780198767282
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 3, 2018
Tags: Office
Summary:
ENVIRONMENTAL SCIENCE, 11th Edition, boasts an unparalleled coverage of sustainability, basic science, and bias-free comparisons, within a flexible chapter organization and supported by the strongest media tools and illustration program available. New media to this edition includes: "How Would You Vote?" found at http://biology.brookscole.com/miller11. This is an application of 68 provocative environmental issues covered in the text. Students investigate the issues in a structured manner, and then cast their votes on the Web where the results are tallied; Environmental ScienceNow, a learning tool that helps students assess their study needs through pretests, post-test, personalized learning plans and "How Do I Prepare," which aides students in basic math, chemistry and graphing review; and InfoTrac College Edition, a library of full text articles; PowerLecture for Miller's Environmental Science, 11th Edition. This one-stop PowerPoint Tool contains robust, preloaded PowerPoint lecture images organized by every chapter. PowerLecture contains: animations that bring key topics and concepts to life; a slide-sorting view for each chapter that lets you select, copy and paste slides into your PowerPoint lecture; the ability to select a piece of a figure and enlarge it; labels in text boxes that you can edit, remove, or present one label at a time; quick access to animations and videos--if a PowerPoint slide contains a green button, just click on it to show a related animation; Instructor's Manual and associated chapter outlines; and Test Bank--a complete electronic file of test items.

Genre: Science
Number of Pages: 500
Language: English
ISBN: 9780495014751
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
Few would argue that sex is a great preoccupation of humankind. In our private lives, sex can contribute to rewarding companionship, or conversely, the lack of it, to utter loneliness. With so much at stake, it is no wonder that sexuality is the most feared and repressed of our characteristics. In this fascinating book, eminent scientists Malcolm Potts and Roger Short attempt to make sense of our increasingly complicated sexual situation. For each of life's milestones--sexual intercourse, conception, pregnancy, birth, puberty, love, marriage, parenting, menopause, and death--they describe the biology behind our actions and consider how pressures imposed by various historical and contemporary cultures have further influenced our behavior. By looking at the past, they attempt to make sense of the present, to see how and why these cultural modifications arose, how they have contributed to the richness of human sexual behavior, and what our biological and cultural inheritance can teach us about safeguarding the continuation of our species. The authors examine how sex relates to diverse topics such as love, power, and mortality. The result is a lively and thought-provoking discussion of one of the most complex elements of the human condition. Malcolm Potts is the Bixby Professor at the Population and Family Planning School of Public Health at the University of California, Berkeley. He is the author of The Textbook of Contraceptive Practice (Cambridge 1983) and Abortion (Cambridge 1977). Roger Short is the Wexler Professorial Fellow in the Department of Perinatal Medicine at the University of Melbourne's Royal Women's Hospital. He is an editor of Reproduction of Mammals (Cambridge 1985).
Summary:
More than any other modern scientists, Stephen Jay Gould has opened up to millions the wonders of evolutionary biology. His genius as an essayist lies in his unmatched ability to use his knowledge of the world, including popular culture, to illuminate the realm of science. Ever Since Darwin, Stephen Jay Gould's first book, has sold more than a quarter of a million copies. Like all succeeding collections by this unique writer, it brings the art of the scientific essay to unparalleled heights.

Genre: Fiction
Number of Pages: 285
Language: English
ISBN: 9780393308181
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Evolution on islands differs in a number of important ways from evolution on mainland areas. Over millions of years of isolation, exceptional and sometimes bizarre mammals evolved on islands, such as pig-sized elephants and hippos, giant rats and gorilla-sized lemurs that would have been formidable to their mainland ancestors. This timely and innovative book is the first to offer a much-needed synthesis of recent advances in the exciting field of the evolution and extinction of fossil insular placental mammals. It provides a comprehensive overview of current knowledge on fossil island mammals worldwide, ranging from the Oligocene to the onset of the Holocene. The book addresses evolutionary processes and key aspects of insular mammal biology, exemplified by a variety of fossil species. The authors discuss the human factor in past extinction events and loss of insular biodiversity. This accessible and richly illustrated textbook is written for graduate level students and professional researchers in evolutionary biology, palaeontology, biogeography, zoology, and ecology.

Genre: Science
Number of Pages: 496
Language: English
ISBN: 9781405190091
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**Evolution on Islands**  
Royal Society (Great Britain)  
Oxford University Press (1998)

**Summary:**  
The study of patterns and processes of evolution on islands has played an important role in the development of general theories of how and why evolution occurs. Small, discrete pieces of the environment, islands are frequently isolated from the continental processes of gene flow. They are often inhabited by unique species, like the Komodo dragon, dodos, or daisies as tall as trees. They may display remarkable rapidity of diversifying evolution - nearly 1000 species of fruit-fly were formed in the Hawaiian archipelago in only a few million years. Thus, it is easy to see why islands have been referred to as 'natural experiments'. Such studies are continuing to yield exciting new fields for investigation as theoreticians attack questions of genetic change in island models and empirical biologists seek explanations of adaptive radiations in archipelagos. This unique book surveys our current knowledge and understanding of island evolution in eighteen chapters written by experts on various aspects of microevolution, speciation, and adaptive radiation. They cover the major trends and processes displayed by plants and animals, on tropical and temperate zone islands, and in lakes and tropical forest refugia. The book closes with a discussion of several unresolved issues that deserve further study. No other book has been published that focuses solely on the evolutionary processes that occur in islands. This will be of interest to all students and researchers in the fields of ecology and evolutionary biology.

**Genre:** Photography  
**Number of Pages:** 334  
**Language:** English  
**ISBN:** 9780198501718  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Evolutionary Analysis**  
Jon C. Herron, Scott Freeman, Jason A. Hodin, Brooks Erin Miner, Christian A. Sidor  
Pearson (2015)

**Summary:**  
Enhanced by the most up-to-date information available, including a text-specific web-site, this book provides coverage of both microevolution and macroevolution through a variety of taxonomic groups. It focuses throughout on phylogenetic trees. By presenting evolutionary biology as a dynamic, ongoing research effort and organizing discussions around questions, this best-selling text helps students think like scientists as they learn about evolution. The authors convey the excitement and logic of evolutionary science by introducing principles through recent and classical studies, and by emphasizing real-world applications. In the Fifth Edition, co-author Jon Herron takes the lead in streamlining and updating content to reflect key changes in the field. The design and art program have also been updated for enhanced clarity.

**Number of Pages:** 850  
**Language:** English  
**ISBN:** 9780321927996  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
**Evolutionary Biology**
Douglas J. Futuyma

Summary:
The third edition of this comprehensive book has increased its scope while emphasizing the intellectual order and molecular perspectives which have added to evolutionary studies in the 1990s.

*Genre*: Science  
*Number of Pages*: 763  
*Language*: English  
*ISBN*: 9780878931897  
*Reading Status*: Finished  
*Date Finished*: November 19, 2018  
*Date Added*: November 19, 2018  
*Tags*: Office

**Evolutionary Genetics: Concepts and Case Studies**
Charles W. Fox, Jason B. Wolf
OUP USA (May 25, 2006)

Summary:
The diverse field of evolutionary genetics is unified by two goals: to understand the impact that evolutionary processes have on genetic variation, and to understand the consequences of these patterns for various evolutionary process. Research in evolutionary genetics stretches across a continuum of scale, from studies of DNA sequence evolution (Ch. 7 and 9), to studies of multivariate phenotypic evolution (Ch. 20), across a continuum of time, from ancient events that lead to current species diversity (Ch. 28), to rapid evolution seen over relatively short time scales in experimental evolution studies (Ch. 31).

*Genre*: Science  
*Number of Pages*: 608  
*Language*: English  
*ISBN*: 9780195168181  
*Reading Status*: Finished  
*Date Finished*: November 19, 2018  
*Date Added*: November 19, 2018  
*Tags*: Office
Summary:
For over 350 million years, thousands of species of amphibians have lived on earth, but since the 1990s they have been disappearing at an alarming rate, in many cases quite suddenly and mysteriously. What is causing these extinctions? What role do human actions play in them? What do they tell us about the overall state of biodiversity on the planet? In Extinction in Our Times, James Collins and Martha Crump explore these pressing questions and many others as they document the first modern extinction event across an entire vertebrate class, using global examples that range from the Sierra Nevada of California to the rainforests of Costa Rica and the Mediterranean coast of North Africa. Joining scientific rigor and vivid storytelling, this book is the first to use amphibian decline as a lens through which to see more clearly the larger story of climate change, conservation of biodiversity, and a host of profoundly important ecological, evolutionary, ethical, philosophical, and sociological issues.

Genre: Nature
Number of Pages: 273
Language: English
ISBN: 9780195316940
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Familiar seashore creatures
Audubon

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Field Guide to Amphibians and Reptiles of the San Diego Region (California Natural History Guides)
Jeffrey M. Lemm

Number of Pages: 344
Language: English
**Fishes of the World**

Joseph S. Nelson, Terry C. Grande, Mark V. H. Wilson

John Wiley & Sons (March 28, 2016)

⭐⭐⭐⭐⭐

Summary:
Take your knowledge of fishes to the next level. *Fishes of the World,* Fifth Edition is the only modern, phylogenetically based classification of the world’s fishes. The updated text offers new phylogenetic diagrams that clarify the relationships among fish groups, as well as cutting-edge global knowledge that brings this classic reference up to date. With this resource, you can classify orders, families, and genera of fishes, understand the connections among fish groups, organize fishes in their evolutionary context, and imagine new areas of research. To further assist your work, this text provides representative drawings, many of them new, for most families of fishes, allowing you to make visual connections to the information as you read. It also contains many references to the classical as well as the most up-to-date literature on fish relationships, based on both morphology and molecular biology. The study of fishes is one that certainly requires dedication—and access to reliable, accurate information. With more than 30,000 known species of sharks, rays, and bony fishes, both lobe-finned and ray-finned, you will need to master your area of study with the assistance of the best reference materials available. This text will help you bring your knowledge of fishes to the next level. Explore the anatomical characteristics, distribution, common and scientific names, and phylogenetic relationships of fishes. Access biological and anatomical information on more than 515 families of living fishes. Better appreciate the complexities and controversies behind the modern view of fish relationships. Refer to an extensive bibliography, which points you in the direction of additional, valuable, and up-to-date information, much of it published within the last few years. *Fishes of the World,* Fifth Edition is an invaluable resource for professional ichthyologists, aquatic ecologists, marine biologists, fish breeders, aquaculturists, and conservationists.

**Genre:** Nature

**Number of Pages:** 707

**Language:** English

**ISBN:** 9781118342336

**Reading Status:** Finished

**DateFinished:** November 19, 2018

**Date Added:** November 12, 2018

**Tags:** Office

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**Fishes: A Guide to Their Diversity**

Philip A. Hastings, Harold Jack Walker, Grantly R. Galland

Univ of California Press (January 10, 2015)

⭐⭐⭐⭐⭐
There are more than 33,000 species of living fishes, accounting for more than half of the extant vertebrate diversity on Earth. This unique and comprehensive reference showcases the basic anatomy and diversity of all 82 orders of fishes and more than 150 of the most commonly encountered families, focusing on their distinctive features. Accurate identification of each group, including its distinguishing characteristics, is supported with clear photographs of preserved specimens, primarily from the archives of the Marine Vertebrate Collection at Scripps Institution of Oceanography. This diagnostic information is supplemented by radiographs, additional illustrations of particularly diverse lineages, and key references and ecological information for each group. An ideal companion to primary ichthyology texts, Fishes: A Guide to Their Diversity gives a broad overview of fish morphology arranged in a modern classification system for students, fisheries scientists, marine biologists, vertebrate zoologists, and everyday naturalists. This survey of the most speciose group of vertebrates on Earth will expand the appreciation of and interest in the amazing diversity of fishes.

Genre: Nature
Number of Pages: 311
Language: English
ISBN: 9780520283534
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

Florida’s Poisonous Plants Snakes Insects
Maxwell

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Folding Table Napkins
A New Look at a Traditional Craft
Sharon Dlugosch
Brighton Publications (1997)

Genre: Crafts & Hobbies
Number of Pages: 96
Language: English
ISBN: 9780918420329
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Foundations of Ecology
Classic Papers with Commentaries
Leslie A. Real, James H. Brown

University of Chicago Press (October 15, 1991)

Summary:
Assembled here for the first time in one volume are forty classic papers that have laid the foundations of modern ecology. Whether by posing new problems, demonstrating important effects, or stimulating new research, these papers have made substantial contributions to an understanding of ecological processes, and they continue to influence the field today. The papers span nearly nine decades of ecological research, from 1887 on, and are organized in six sections: foundational papers, theoretical advances, synthetic statements, methodological developments, field studies, and ecological experiments. Selections range from Connell's elegant account of experiments with barnacles to Watt's encyclopedic natural history, from a visionary exposition by Grinnell of the concept of niche to a seminal essay by Hutchinson on diversity. Six original essays by contemporary ecologists and a historian of ecology place the selections in context and discuss their continued relevance to current research. This combination of classic papers and fresh commentaries makes Foundations of Ecology both a convenient reference to papers often cited today and an essential guide to the intellectual and conceptual roots of the field.

Genre: Science
Number of Pages: 905
Language: English
ISBN: 9780226705941
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Freshwater Fishes of South Carolina
Rudolf G. Arndt, Jeffrey W. Foltz

Univ of South Carolina Press (2009)

Summary:
A scientific milestone, this comprehensive illustrated guide to the characteristics, distribution, and ecology of freshwater fishes in South Carolina marks the first such endeavor since 1860 to document this aspect of the Palmetto States diverse natural history. Freshwater Fishes of South Carolina is the result of long-term collaboration between a quartet of leading experts on the states freshwater fishesFred C. Rohde, Rudolf G. Arndt, Jeffrey W. Foltz, and Joseph M. Quattro. From mudminnows and sunfishes to lampreys and sturgeons, the guide describes more than one hundred fifty species of freshwater and coastal estuarine fishes that spend all or major portions of their lives in the fresh waters of South Carolina. For each species the authors provide diagnostic characteristics including size, markings, similar species, and sexual dimorphism as well as information on biology, habitat, and distribution. Color photographs and detailed distribution maps accompany each description. The volume also includes a history of ichthyology in South Carolina, a chapter on methods for the collection and identification of fishes, and a chapter on conservation biology documenting species of concern for the state and reasons for their decline. This handsome reminder of the rich biodiversity in South Carolinas rivers, streams, and lakes serves not only as a vital scientific tool for marine researchers, students, resource managers, ecologists, and state policy makers but also as a valuable resource for sportsmen and natural history enthusiasts across the region.

Genre: Nature
Number of Pages: 430
Language: English
ISBN: 9781570036804
Encompassing habitats as diverse as alpine forests and subtropical swamps, the mid-Atlantic region has a richly diverse fish fauna. Outside of the important sport and commercial species, however, few are known to the average person. This book provides information on how to identify some 260 species of freshwater fish, from the largemouth bass to the rosyside dace. Illustrated with more than 200 color photographs, most by James Parnell, this guide provides a detailed description of each species as well as notes on its distribution and abundance, habitat, and natural history (diet, spawning habits, growth, and so forth). Range maps show the distribution of each species. Of particular interest in this time of heightened awareness of environmental degradation are the many references to threatened and endangered species and the effects of deteriorating water quality on their survival.

Genre: Nature
Number of Pages: 228
Language: English
ISBN: 9780807845790
Frogs and Toads of the Southeast
Michael E. Dorcas, J. Whitfield Gibbons
University of Georgia Press (2008)

Summary:
With more than forty native and introduced species of frogs and toads occurring in the southeastern United States, the region represents the heart of frog and toad diversity in the country. Renowned herpetologists Mike Dorcas and Whit Gibbons provide us with the most comprehensive and authoritative, yet accessible and fun-to-read, guide to these sometimes wet, sometimes warty wonders of nature. Dorcas and Gibbons enumerate the distinguishing characteristics of frogs and toads, including how they are different from other amphibians and the differences between a frog and a toad. Also discussed are the morphology of frogs and toads, the main groups to be found in the Southeast, and their habitats. Individual species accounts contain a physical description of the species plus information about distribution and habitat, behavior and activity, food and feeding, predators and defense, calls and vocalizations, reproduction and description of eggs and tadpoles, and conservation. Accompanying each account are photographs illustrating typical adults and variations and distribution maps for the Southeast and the United States. Given the recent worldwide decline in amphibian populations and increasing scientific and popular concern for what these declines mean for all other organisms, Frogs and Toads of the Southeast will appeal to people of all ages and levels of knowledge interested in natural history and conservation. The guide will help foster the growing interest in frogs and toads as well as cultivate a desire to protect and conserve these fascinating amphibians and their habitats. Features: Conservation-oriented approach Approximately 250 color photographs Approximately 45 distribution maps Clear description and photographs of each species in both tadpole and adult stages Chapters on identification, vocalizations, reproduction, global diversity (including remarkable species such as the gastric brooding frog, poison dart frogs, and saltwater frogs), and introduced species A selection of frog and toad vocalizations at www.ugapress.org/FrogsAndToads

Frontiers of Biogeography
New Directions in the Geography of Nature
Mark V. Lomolino, Lawrence R. Heaney, International Biogeography Society

Summary:
General Zoology Laboratory Guide

John R Meyer, Charles F. Lytle, Dr.

McGraw-Hill Education (March 20, 2012)

Summary:
General Zoology Laboratory Guide is ideal for the laboratory that emphasizes the dissection and microscopic study of live and preserved specimens. Recognized for its accuracy and readability, this manual is comprehensive in its representation of the major groups of animal phyla. This new edition is suitable for a wide range of course needs and structures.

Genre: Science

Number of Pages: 416

Language: English

ISBN: 9780073369457

Reading Status: Finished

Date Finished: November 19, 2018

Date Added: November 19, 2018

Genetic Analysis

Genes, Genomes, and Networks in Eukaryotes

Philip Meneely

Oxford University Press (2014)

Summary:
How do we know what role a particular gene has? How do some genes control the expression of others? How do genes interact to form gene networks? With its unique integration of genetics and molecular biology, Genetic Analysis probes fascinating questions such as these, detailing how our understanding of key genetic phenomena can be used to understand biological systems. Opening with a brief overview of key genetic principles, model organisms, and epigenetics, the book goes on to explore the use of gene mutations and the analysis of gene expression and activity. A discussion of the genetic structure of natural populations follows, before the interaction of genes during suppression and epistasis, how we study gene networks, and personalized genomics are considered. Drawing on the latest experimental tools, including microarrays, RNAi screens, and bioinformatics approaches, Genetic Analysis provides a state-of-the-art review of the field, but in a truly student-friendly manner. It uses extended case studies and text boxes to augment the narrative, taking the reader right to the forefront of contemporary research, without losing clarity of explanation and insight. We are in an age where, despite knowing so much about biological systems, we are just beginning to realise how much more there is still to understand. Genetic Analysis is the ideal guide to how we can use the awesome power of molecular genetics to further our understanding.

Genre: Medical

Number of Pages: 552

Language: English

ISBN: 9780199651818

Reading Status: Finished

Date Finished: November 19, 2018

Date Added: November 19, 2018
Summary:
Thoroughly revised and updated with the latest data from this every changing field, the Eighth Edition of Genetics: Analysis of Genes and Genomes provides a clear, balanced, and comprehensive introduction to genetics and genomics at the college level. Expanding upon the key elements that have made this text a success, Hartl has included updates throughout, as well as a new chapter dedicated to genetic evolution. He continues to treat transmission genetics, molecular genetics, and evolutionary genetics as fully integrated subjects and provide students with an unprecedented understanding of the basic process of gene transmission, mutation, expression, and regulation. New chapter openers include a new section highlighting scientific competencies, while end-of-chapter Guide to Problem-Solving sections demonstrate the concepts needed to efficiently solve problems and understand the reasoning behind the correct answer.

Summary:
Darwin's Origin of Species and Dobzhansky's Genetics and the Origin of Species have been the cornerstones of modern evolutionary and population genetic theory for the past hundred years, but in the twenty-first century, biologists will face graver problems of extinction. In this collection, a team of leading biologists demonstrates why the burgeoning field of conservation biology must continue to rely on the insights of population genetics if we are to preserve the diversity of living species. Technological and theoretical developments throughout the 1990s have allowed for important new insights into how populations have evolved in response to past selection pressures, while providing a broad new understanding of the genetic structure of natural populations. The authors explore these advances and argue for the applicability of new genetic methods in conservation biology. The volume covers such topics as the reasons for extinctions, the best ways to measure biodiversity, and the benefits and drawbacks of policies like captive breeding. Genetics and the Extinction of Species is a rich source of information for biologists and policymakers who want to learn more about the host of tools, theories, and approaches available for conserving biodiversity. In addition to the editors, the contributors to the volume are William Amos, Rebecca Cann, Kathryn Rodriguez-Clark, Leslie Douglas, Leonard Freed, Paul Harvey, Kent Holsinger, Russell Lande, and Helen Steers.
**Summary:**
The Fourth Edition of Genetics of Populations is the most current, comprehensive, and accessible introduction to the field for advanced undergraduate and graduate students, and researchers in genetics, evolution, conservation, and related fields. In the past several years, interest in the application of population genetics principles to new molecular data has increased greatly, and Dr. Hedrick's new edition exemplifies his commitment to keeping pace with this dynamic area of study. Reorganized to allow students to focus more sharply on key material, the Fourth Edition integrates coverage of theoretical issues with a clear presentation of experimental population genetics and empirical data. Drawing examples from both recent and classic studies, and using a variety of organisms to illustrate the vast developments of population genetics, this text provides students and researchers with the most comprehensive resource in the field.

**Genre:** Science

**Number of Pages:** 689

**Language:** English

**ISBN:** 9781449656263

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**Summary:**
Habitat fragmentation is one of the most ubiquitous and serious environmental threats confronting the long-term survival of plant and animal species worldwide. As species become restricted to remnant habitats, effective management for long-term conservation requires a quantitative understanding of the genetic and demographic effects of habitat fragmentation, and the implications for population viability. This book provides a detailed introduction to the genetic and demographic issues relevant to the conservation of fragmented populations such as demographic stochasticity, genetic erosion, inbreeding, metapopulation biology, and population viability analysis. The volume presents case studies on animals and plants, which illustrate a variety of approaches to examining long-term population viability. Some of the approaches include the application of molecular genetic markers, the investigation of reproductive biology, and the combination of demographic monitoring and modeling.

**Genre:** Nature

**Number of Pages:** 438

**Language:** English

**ISBN:** 9780521794213

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Summary:
Genomics has transformed the biological sciences. From epidemiology and medicine to evolution and forensics, the ability to determine an organism's complete genetic makeup has changed the way science is done and the questions that can be asked of it. Its most celebrated achievement was the Human Genome Project, a technologically challenging endeavor that took thousands of scientists around the world 13 years and over three billion US dollars to complete. In this Very Short Introduction John Archibald explores the science of genomics and its rapidly expanding toolbox. Sequencing a human genome now takes only a few days and costs as little as $1,000. The genomes of simple bacteria and viruses can be sequenced in a matter of hours on a device that fits in the palm of your hand. The resulting sequences can be used to better understand our biology in health and disease and to "personalize" medicine. Archibald shows how the field of genomics is on the cusp of another quantum leap; the implications for science and society are profound. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Genre: Science
Number of Pages: 160
Language: English
ISBN: 9780198786207
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
R is rapidly becoming the standard software for statistical analyses, graphical presentation of data, and programming in the natural, physical, social, and engineering sciences. Getting Started with R is now the go-to introductory guide for biologists wanting to learn how to use R in their research. It teaches readers how to import, explore, graph, and analyze data, while keeping them focused on their ultimate goals: clearly communicating their data in oral presentations, posters, papers, and reports. It provides a consistent workflow for using R that is simple, efficient, reliable, and reproducible. This second edition has been updated and expanded while retaining the concise and engaging nature of its predecessor, offering an accessible and fun introduction to the packages dplyr and ggplot2 for data manipulation and graphing. It expands the set of basic statistics considered in the first edition to include new examples of a simple regression, a one-way and a two-way ANOVA. Finally, it introduces a new chapter on the generalised linear model. Getting Started with R is suitable for undergraduates, graduate students, professional researchers, and practitioners in the biological sciences.

Number of Pages: 231
Language: English
ISBN: 9780198787846
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
Summary:
Physicist Victor J. Stenger contends that, if God exists, some evidence for this existence should be detectable by scientific means, especially considering the central role that God is alleged to play in the operation of the universe and the lives of humans. Treating the traditional God concept like any other scientific hypothesis, Stenger examines all of the claims made for God's existence. He considers the latest Intelligent Design arguments as evidence of God's influence in biology. He looks at human behavior for evidence of immaterial souls and the possible effects of prayer. He discusses the findings of physics and astronomy in weighing the suggestions that the universe is the work of a creator and that humans are God's special creation. After evaluating all the scientific evidence, Stenger concludes that beyond a reasonable doubt the universe and life appear exactly as we might expect if there were no God.—From publisher description.

Genre: Physics
Number of Pages: 302
Language: English
ISBN: 9781591026525
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Concise, encouraging, and filled with practical information, this book is a step-by-step guide for students in the life, natural, physical, and social-behavioral sciences. An invaluable resource not only for graduate students but also for undergraduates and high school students planning for the future.

Genre: Education
Number of Pages: 193
Language: English
ISBN: 9780295977058
Physical Location: Lab
Reading Status: Finished
Date Added: November 20, 2018
Summary: For the more than 10,000 students who will take the challenging GRE (Graduate Record Examination) Biology subject test this year, this comprehensive guide offers the keys to success.

Genre: Science
Number of Pages: 439
Language: English
ISBN: 9780743230643
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary: The Bartletts' guide to amphibians provides up-to-date accounts, range maps, and photos of the 239 recognized species and subspecies of frogs, toads, treefrogs, and salamanders found in eastern and central North America, from west Texas to Manitoba, to the eastern seaboard. Species descriptions are grouped by family, and each entry details size, appearance, behavior, range/habitat, prey, and similar species. For ease of use, description, map, and color photo are organized on the same page. In the general introduction, the authors provide an overview of taxonomy, habitats, and population trends, including species in decline. Devoted solely to amphibians, this authoritative and user-friendly guide will appeal to a broad range of users, from hobbyists and amateur naturalists wanting to quickly identify neighborhood frogs to biologists and herpetologists seeking a focused, well-organized and detailed, fully illustrated field guide.

Genre: Nature
Number of Pages: 283
Language: English
ISBN: 9780813029504
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Guide and Reference to the Amphibians of Western North America (north of Mexico) and Hawaii
Richard D. Bartlett, Patricia Pope Bartlett

University Press of Florida (2009)

Summary:
Guide and Reference to the Amphibians of Western North America (North of Mexico) and Hawaii R. D. Bartlett and Patricia P. Bartlett Comprehensive, informative, fully illustrated guides designed for the general reader and amateur naturalist! "A little less technical than other field guides, with a writing style that will appeal to non-scientists. As an in-depth guide covering just western amphibians, it includes more material about each species than other reptile and amphibian guides can cover."--Daniel Cox, Arizona Game and Fish Department More than 500 species and subspecies of amphibians and reptiles can be found in the western United States. This set of three field guides offers a complete survey of the frogs, toads, salamanders, snakes, turtles, and lizards that reside west of the Rocky Mountains (north of Mexico) and in Hawaii. These animals are found in habitats that range from seaside sand dunes to rocky montane outcroppings, and from mossy grottos to deciduous forests. Uniquely adapted to their environments, all are interesting, a few could be considered beautiful, and a small number are venomous. In each volume, species are grouped alphabetically by scientific name within each order. Color photographs are accompanied by descriptive text that details the appearance, naturally occurring color morphs, behavior, range/habitat, and prey of each species--as well as species with which it may be confused. Geared toward a popular audience of people interested in reptiles and amphibians, the three volumes allow for greater depth in the descriptions of species than other field guides that survey all herpetofauna under one cover. R. D. and Patricia Bartlett employ a writing style that is accessible and informative without being overly technical. In their completeness, the authors even include information on introduced species.

Genre: Nature
Number of Pages: 216
Language: English
ISBN: 9780813032986
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Guide and Reference to the Crocodilians, Turtles, and Lizards of Eastern and Central North America (North of Mexico)
Richard D. Bartlett, Patricia Pope Bartlett


Summary:
The Bartletts' guide to the alligators, crocodiles, turtles, and lizards of eastern and central North America features all 207 species inhabiting the region from west Texas, to western Manitoba, to the eastern seaboard. Each species account is accompanied by a color photo, distribution map, and description including appearance, behavior, range, habitat, and prey. Some introduced species covered in the Guide, such as the large and predatory Nile monitor and spectacled caiman, illuminate ever-worsening environmental and ecological conditions, particularly in Florida and Texas. This authoritative and user-friendly reference will appeal to hobbyists, amateur naturalists, biologists, and herpetologists seeking a focused, detailed, well-organized, and richly illustrated field guide.

Genre: Nature
Number of Pages: 316
Language: English
ISBN: 9780813029467
Guide and Reference to the Snakes of Eastern and Central North America (North of Mexico)
Richard D. Bartlett, Patricia Pope Bartlett

Summary:
This volume provides an up-to-date guide to the identification, range, habitat, and status of snakes found within eastern and central North America, from west Texas, to western Manitoba, to the eastern seaboard. Species accounts are grouped by family (Blind Snakes, File Snakes, Boas and Pythons, Colubrid Snakes, and two families of venomous snakes) and illustrated with 251 color photos showing species, subspecies and most natural intergrades and color phases. The descriptive text combines details of appearance, naturally occurring color morphs, behavior, range/habitat, prey, and look-alikes with the authors' personal field observations. Enhancing the text are 98 distribution maps. For ease of use, photos, range maps, and descriptive text are presented on the same page. Introductory chapters explain snake taxonomy and habitats, and they survey the legal and safety issues that should govern any attempts to handle these animals. For the general reader curious about the identity of a backyard visitor, the resource manager or naturalist seeking an engaging and informative handbook, or the herpetologist seeking an authoritative single volume devoted only to snakes, the Bartletts' Guide and Reference provides a handy, detailed, readable, and richly illustrated guide.

Genre: Nature
Number of Pages: 342
Language: English
ISBN: 9780813029351

Guide and Reference to the Snakes of Western North America (north of Mexico) and Hawaii
Richard D. Bartlett, Patricia Bartlett, Patricia Pope Bartlett
University Press of Florida (2009)

Summary: Accessible, accurate, and up-to-date, with striking color photographs and range maps! "If you love snakes, read this book. If you are repulsed by snakes, definitely read this book and you might just find yourself warming up to these fascinating creatures of mystery and myth."--Daniel Beck, Central Washington University "Vignettes in the book let the armchair reader feel he or she is part of a herpetological adventure. These personal interludes make the book unique, as the straightforward identification varies little from field guide to field guide."--Traci Hartsell, Smithsonian Museum of Natural History "The most impressive aspect of the book is its completeness. Each species account is very complete and includes information far beyond the diagnostic characters and distributions. I learned quite a bit from reading this book."--Jeffrey R. Parmalee, Simpson College Information on how to search for herpetofauna, habitat descriptions, captive care, and a special section on reptiles and the law make these guides the perfect resource for amateur or professional naturalists. They also are ideal for anyone living in or visiting a western state who is interested in knowing more about the natural world around them.

Genre: Nature
Guide and Reference to the Turtles and Lizards of Western North America (north of Mexico) and Hawaii

Richard D. Bartlett, Patricia Pope Bartlett

University Press of Florida (2009)

Summary:
Accessible, accurate, and up-to-date, with striking color photographs and range maps! "If you love snakes, read this book. If you are repulsed by snakes, definitely read this book and you might just find yourself warming up to these fascinating creatures of mystery and myth."--Daniel Beck, Central Washington University "Vignettes in the book let the armchair reader feel he or she is part of a herpetological adventure. These personal interludes make the book unique, as the straightforward identification varies little from field guide to field guide."--Traci Hartsell, Smithsonian Museum of Natural History "The most impressive aspect of the book is its completeness. Each species account is very complete and includes information far beyond the diagnostic characters and distributions. I learned quite a bit from reading this book."--Jeffrey R. Parmalee, Simpson College Information on how to search for herpetofauna, habitat descriptions, captive care, and a special section on reptiles and the law make these guides the perfect resource for amateur or professional naturalists. They also are ideal for anyone living in or visiting a western state who is interested in knowing more about the natural world around them.

Genre: Nature

Number of Pages: 314
Language: English
ISBN: 9780813033129
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Gulf Stream Chronicles
A Naturalist Explores Life in an Ocean River

David Stephen Lee


Summary:
Off the shore of Hatteras Island, where the inner edge of the Gulf Stream flows northward over the outer continental shelf, the marine life is unlike that of any other area in the Atlantic. Here the powerful ocean river helps foster an extraordinarily rich diversity of life, including Sargassum mats concealing strange creatures and exotic sea beans, whales and sea turtles, sunfish and flying fish, and shearwaters and Bermuda petrels. During his long career as a research scientist, David S. Lee made more than 300 visits to this area off the North Carolina coast, documenting its extraordinary biodiversity. In this collection of twenty linked essays, Lee draws on his personal observations and knowledge of the North Atlantic marine environment to introduce us to the natural wonders of an offshore treasure. Lee guides readers on adventures miles offshore and leagues under the sea, blending personal anecdotes with richly detailed natural history, local culture, and seafaring lore. These journeys provide entertaining and informative connections between the land and the diverse organisms that live in the Gulf Stream off the coast of North Carolina. Lee also reminds us that ocean environments are fragile and vulnerable to threats such as pollution, offshore energy development, and climate change, challenging those of us on land to consider carefully the costs of ignoring sea life that thrives just beyond our view.

**Guns, Germs, and Steel**

The Fates of Human Societies

Jared M. Diamond

W.W. Norton (1999)

Summary:

In this "artful, informative, and delightful" (William H. McNeill, New York Review of Books) book, Jared Diamond convincingly argues that geographical and environmental factors shaped the modern world. Societies that had a head start in food production advanced beyond the hunter-gatherer stage, and then developed religion—as well as nasty germs and potent weapons of war—and adventured on sea and land to conquer and decimate preliterate cultures. A major advance in our understanding of human societies, Guns, Germs, and Steel chronicles the way that the modern world came to be and stunningly dismantles racially based theories of human history. Winner of the Pulitzer Prize, the Phi Beta Kappa Award in Science, the Rhone-Poulenc Prize, and the Commonwealth club of California's Gold Medal.

**Handbook of Larval Amphibians of the United States and Canada**

Ronald Altig, Roy W. McDiarmid

Handbook of Larval Amphibians of the United States and Canada, written by the foremost experts on larval amphibians, is the first guide of its kind and will transform the fieldwork of scientists and fish and wildlife professionals.

**Genre:** Nature

**Number of Pages:** 345

**Language:** English

**ISBN:** 9780801439438

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Hands-on Herpetology**

**Exploring Ecology and Conservation**

Rebecca L. Schneider, Marianne E. Krasny, Stephen J. Morreale

NSTA Press (2001)

Summary:
Plentiful, diverse, and readily available, these animals, known in science as "herps", are also perfect for teaching students about biology, ecology, and conservations, including problems affecting both amphibians and reptiles. This highly readable resource melds rigorous science content with science research. Its five sections cover the animals' biology and handling procedures (including safety tips), provide background information for teachers, offer twenty-one indoor/outdoor activities, and broach critical conservations issues. Hands-On Herpetology: Exploring Ecology and Conservations is ideal for middle and high school teachers, volunteer leaders in 4-H and other clubs, and nature centre staff who want to mix serious issues with amazing science.

**Genre:** Nature

**Number of Pages:** 146

**Language:** English

**ISBN:** 9780873551977

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Hen's Teeth and Horse's Toes**

Stephen Jay Gould

Norton (1983)

Summary:
"Over a century after Darwin published the Origin of Species, Darwinian theory is in a "vibrantly healthy state," writes Stephen Jay Gould, its most engaging and illuminating exponent. Exploring the "peculiar and mysterious particulars of nature," Gould introduces the reader to some of the many and wonderful manifestations of evolutionary biology." --
"Over a century after Darwin published the Origin of Species, Darwinian theory is in a "vibrantly healthy state," writes Stephen Jay Gould, its most engaging and illuminating exponent. Exploring the "peculiar and mysterious particulars of nature," Gould introduces the reader to some of the many and wonderful manifestations of evolutionary biology."
Herpetological Collecting and Collections Management
John E. Simmons

Number of Pages: 191
Language: English
ISBN: 9780916984908
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Herpetological Collecting and Collections Management
John E. Simmons

Genre: Nature
Number of Pages: 153
Language: English
ISBN: 9780916984601
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Herpetology
F Pough
Sinauer (November 18, 2015)

Summary:
Herpetology, Fourth Edition presents a functional understanding of amphibians and reptiles—what they do and how they do it, and how those attributes are related to their ecology and evolutionary history. The book explains why amphibians and reptiles, which are distantly related evolutionary lineages, are nonetheless grouped in the discipline known as herpetology, and describes the position of amphibians and reptiles within the evolution of vertebrates. Initial chapters present the fossil history of amphibians and reptiles and the phylogenetic relationships of extant groups, with descriptions of the biological characteristics of each family and photographs of representative species. The phylogenetic and biogeography chapters have been extensively revised to incorporate the most recent molecular phylogenetic information, including extensive discussion of the expanding field of phylogeography. Subsequent chapters consider amphibians and reptiles from morphological, physiological, ecological, and behavioral perspectives. The book concludes with a discussion of the threats facing amphibians and reptiles and approaches to conserving herpetological diversity. Herpetology, Fourth Edition serves as a textbook for undergraduate and graduate-level courses and as a comprehensive source of information about amphibians and reptiles for professional biologists, hobbyists, and interested laypersons. "I have owned every edition of this textbook, and every one has been the best herpetology text available at the time. This one is the best of the best." - Ross A. Alford, Professor in College of Science and Engineering, James Cook University

**Genre:** Science

**Number of Pages:** 591

**Language:** English

**ISBN:** 9781605352336

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Herpetology**

**An Introductory Biology of Amphibians and Reptiles**

Laurie J. Vitt, Janalee P. Caldwell

Elsevier (2014)

★★★★★

**Summary:**

The fourth edition of the textbook Herpetology covers the basic biology of amphibians and reptiles, with updates in nearly every conceptual area. Not only does it serve as a solid foundation for modern herpetology courses, but it is also relevant to courses in ecology, behavior, evolution, systematics, and morphology. Examples taken from amphibians and reptiles throughout the world make this book a useful herpetology textbook in several countries. Naturalists, amateur herpetologists, herpetoculturists, zoo professionals, and many others will find this book readable and full of relevant natural history and distributional information. Amphibians and reptiles have assumed a central role in research because of the diversity of ecological, physiological, morphological, behavioral, and evolutionary patterns they exhibit. This fully revised edition brings the latest research to the reader, ranging over topics in evolution, reproduction, behavior, and more, allowing students and professionals to keep current with a quickly moving field. Heavily revised and updated with discussion of squamate (lizard and snake) taxonomy and new content reflected in current literature includes increased focus on conservation biology in herpetology while retaining solid content on organismal biology of reptiles and amphibians. Presents new photos included from authors' extensive library

**Genre:** Medical

**Number of Pages:** 757

**Language:** English

**ISBN:** 9780123869197

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
History of the Turks & Caicos Islands
Carlton Manley Mills
Macmillan Education (2009)

Summary:
The Turks & Caicos Islands is an archipelago of half a dozen populated islands and numerous other islets and cays located just to the south of the Bahamas chain of islands. Its history is a patchwork of indigenous settlement, colonial rule, the slavery era, and constitutional multi-party government.

Genre: History
Number of Pages: 300
Language: English
ISBN: 9781405098946
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

Hollows, Peepers, and Highlanders
An Appalachian Mountain Ecology
George Constantz

Summary:
This eclectic collection of essays exposes the natural conflicts that underlie the beauty and mystery of Appalachian life. The heart of the book explores the quirky, even bizarre, adaptations of selected Appalachian plants and animals -- violence among fireflies, sexual parasitism within frog choruses, and deception by flowers.

Genre: Nature
Number of Pages: 264
Language: English
ISBN: 9780878422630
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

How Evolution Shapes Our Lives
essays on biology and society
Jonathan B. Losos, Richard Lenski
Princeton University Press (2016)
Summary:
It is easy to think of evolution as something that happened long ago, or that occurs only in "nature," or that is so slow that its ongoing impact is virtually nonexistent when viewed from the perspective of a single human lifetime. But we now know that when natural selection is strong, evolutionary change can be very rapid. In this book, some of the world's leading scientists explore the implications of this reality for human life and society. With some twenty-three essays, this volume provides authoritative yet accessible explorations of why understanding evolution is crucial to human life--from dealing with climate change and ensuring our food supply, health, and economic survival to developing a richer and more accurate comprehension of society, culture, and even what it means to be human itself. Combining new essays with essays revised and updated from the acclaimed Princeton Guide to Evolution, this collection addresses the role of evolution in aging, cognition, cooperation, religion, the media, engineering, computer science, and many other areas. The result is a compelling and important book about how evolution matters to humans today. The contributors are Dan I. Andersson, Francisco J. Ayala, Amy Cavanaugh, Cameron R. Currie, Dieter Ebert, Andrew D. Ellington, Elizabeth Hannon, John Hawks, Paul Keim, Richard E. Lenski, Tim Lewens, Jonathan B. Losos, Virpi Lummaa, Jacob A. Moorad, Craig Moritz, Martha M. Muñoz, Mark Pagel, Talima Pearson, Robert T. Pennock, Daniel E. L. Promislow, Erik M. Quandt, David C. Queller, Robert C. Richardson, Eugenie C. Scott, H. Bradley Shaffer, Joan E. Strassmann, Alan R. Templeton, Paul E. Turner, and Carl Zimmer.

Genre: Reference
Number of Pages: 396
Language: English
ISBN: 9780691170398
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

How Many People Can the Earth Support?
Joel E. Cohen

W. W. Norton & Company (1996)

Summary:
In this penetrating analysis of one of the most crucial questions of our time, a leading scholar in the field reviews the history of world population growth and gives a refreshingly frank appraisal of what little can be known about its future. In the process, he offers the most comprehensive account yet available of how various people have tried to estimate the planet's human carrying capacity. Few contemporary writers have addressed the issue of world population growth in such a balanced, objective way, without using it as a pretext to advance a prior political agenda.

Genre: Business & Economics
Number of Pages: 532
Language: English
ISBN: 9780393314953
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
How the Leopard Changed Its Spots
The Evolution of Complexity
Brian Goodwin
Princeton University Press (February 18, 2001)

Summary:
Do genes explain life? Can advances in evolutionary and molecular biology account for what we look like, how we behave, and why we die? In this powerful intervention into current biological thinking, Brian Goodwin argues that such genetic reductionism has important limits. Drawing on the sciences of complexity, the author shows how an understanding of the self-organizing patterns of networks is necessary for making sense of nature. Genes are important, but only as part of a process constrained by environment, physical laws, and the universal tendencies of complex adaptive systems. In a new preface for this edition, Goodwin reflects on the advances in both genetics and the sciences of complexity since the book's original publication.

Genre: Science
Number of Pages: 252
Language: English
ISBN: 9780691088099
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

How To Identify Plants
Harrington

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

How to Photograph Reptiles and Amphibians
Larry West, William Leonard, William P. Leonard

Stackpole Books (1997)

Summary:
This comprehensive guide for the herp photographer addresses equipment and techniques and offers insight into the behaviour of snakes, frogs, turtles, lizards, toads, and salamanders

Genre: Photography
Human anatomy
Frederic H. Martini, Michael J. Timmons, Robert B. Tallitsch, with William C. Ober, art coordinator and illustrator, Claire W. Garrison, illustrator, Kathleen Welch, clinical consultant, Ralph T. Hutchings, biomedical photographer

Pearson Benjamin Cummings (2009)

Human anatomy & physiology
Elaine Nicpon Marieb

Pearson Benjamin Cummings (2007)

Summary:

Genre: Fysiologie

Language: English

ISBN: 9780805359107

Reading Status: Finished

Date Finished: November 19, 2018
Summary:
For the first time in history, humans have exceeded the sustaining capacity of Earth's global ecosystems. Our expanding footprint has tremendous momentum, and the insidious explosion of human impact creates a shockwave that threatens ecosystems worldwide for decades-possibly centuries. Walter K. Dodds depicts in clear, nontechnical terms the root causes and global environmental effects of human behavior. He describes trends in population growth, resource use, and global environmental impacts of the past two centuries, such as greenhouse effects, ozone depletion, water pollution, and species extinctions and introductions. Dodds also addresses less familiar developments, such as the spread of antibiotic resistant genes in bacteria and the concentration of pesticides in the Arctic and other remote ecosystems. He identifies fundamental human activities that have irreversible effects on the environment and draws on recent social science and game theory results to explain why people use more than their share. Past behavior indicates that as resources grow scarce, humans will escalate their use of what remains instead of managing their consumption. Humanity's Footprint paints a lively but ultimately sobering picture of our environmental predicament. Dodds calls for a consilient approach to socioenvironmental restoration that draws on new thinking from across disciplines to develop sustainable solutions to global environmental problems.

Genre: Science
Number of Pages: 270
Language: English
ISBN: 9780231139670
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Gould writes about the themes that have defined his career, which his readers have come to expect and celebrate, casting new light upon them and conveying the ideas that science professionals exchange among themselves (minus the technical jargon). Here, of course, is Charles Darwin, from his centrality to any sound scientific education to little-known facts about his life. Gould touches on subjects as far-reaching and disparate as feathered dinosaurs, the scourge of syphilis and the frustration of the man who identified it, and Freud's 'evolutionary fantasy'. He writes brilliantly of Nabokov's delicately crafted drawings of butterflies and the true meaning of biological diversity. And in the poignant title essay, he details his grandfather's journey from Hungary to America, where he arrived on September 11, 1901. It is from his grandfather's journal entry of that day, stating simply 'I have landed,' that the book's title was drawn. This landing occurred 100 years to the day before our greatest recent tragedy, also explored, but with optimism, in the concluding section of the book.

Genre: Science
Number of Pages: 418
Language: English
Summary:
In what is certain to be the key reference on iguanas for years to come, some of the world's leading experts offer a clear and accessible account of the latest research on the evolution, behavioral ecology, and conservation of these highly visible and increasingly endangered creatures, much loved by professional herpetologists and hobbyists alike. The book begins with an introduction by noted iguana biologist Dr. Gordon Burghardt that examines the state of iguana research—past, present, and future—with an emphasis on social behavior. Three major sections follow, each opening with a synthesis by the volume editors, who survey the current status and likely future direction of investigations in the pertinent area. The first section focuses on different aspects of the taxonomic and morphological diversity of iguanas and includes a complete checklist of species. In the second section, contributors address the behavior and ecology of iguanas and provide compelling evidence that both may be far more complex than previously appreciated. The third and final section, highlighting the threats facing iguana populations today, describes the broad array of innovative conservation strategies that will be needed to help ensure their survival. Illustrated throughout with photographs, distribution maps, tables, and figures, this volume will be the definitive resource for anyone—professional or curious amateur—interested in iguanas.

Genre: Nature
Number of Pages: 356
Language: English
ISBN: 9780520238541
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 2, 2018
Tags: Office
Improbable Destinies
Fate, Chance, and the Future of Evolution
Jonathan B. Losos

Summary:
A major new book overturning our assumptions about how evolution works Earth's natural history is full of fascinating instances of convergence: phenomena like eyes and wings and tree-climbing lizards that have evolved independently, multiple times. But evolutionary biologists also point out many examples of contingency, cases where the tiniest change—a random mutation or an ancient butterfly sneeze—caused evolution to take a completely different course. What role does each force really play in the constantly changing natural world? Are the plants and animals that exist today, and we humans ourselves, inevitabilities or evolutionary flukes? And what does that say about life on other planets? Jonathan Losos reveals what the latest breakthroughs in evolutionary biology can tell us about one of the greatest ongoing debates in science. He takes us around the globe to meet the researchers who are solving the deepest mysteries of life on Earth through their work in experimental evolutionary science. Losos himself is one of the leaders in this exciting new field, and he illustrates how experiments with guppies, fruit flies, bacteria, foxes, and field mice, along with his own work with anole lizards on Caribbean islands, are rewinding the tape of life to reveal just how rapid and predictable evolution can be. Improbable Destinies will change the way we think and talk about evolution. Losos's insights into natural selection and evolutionary change have far-reaching applications for protecting ecosystems, securing our food supply, and fighting off harmful viruses and bacteria. This compelling narrative offers a new understanding of ourselves and our role in the natural world and the cosmos.

Genre: Science
Number of Pages: 368
Language: English
ISBN: 9780399184925
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
A spellbinding history of the one bird every serious birder hopes to find, even as the world doubts its existence In Search of the Ivory-Billed Woodpecker is both a complete natural history of one of the most exciting and rare - perhaps even extinct - birds in the world, and a fascinating personal quest by the world's leading expert on the species. Jerome A. Jackson provides detailed insights into the bird's lifestyle, habitat, and cultural significance, examining its iconic status from the late 1800s to the present in advertising, conservation, and lore. As he relates searches for the bird by John James Audubon, Alexander Wilson, and others, Jackson offers anecdotal tales illuminating the methods of early naturalists, including how Wilson's captive ivory-bill destroys his hotel room in a desperate attempt to escape. Jackson's search for perhaps the last remaining ivory-bill takes him across the United States and into Cuba. He spends hours flying over potential ivory-bill habitat, canoeing through isolated waterways, and trudging through swamps, always playing recorded ivory-bill calls into the wilderness, hoping for a response.

Genre: Nature

Number of Pages: 294
Language: English
ISBN: 9781588341327
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
“Perhaps more than any other scientist of our century, Edward O. Wilson has scrutinized animals in their natural settings, tweezing out the dynamics of their social organization, their relationship with their environments, and their behavior, not only for what it tells us about the animals themselves, but for what it can tell us about human nature and our own behavior. He has brought the fascinating and sometimes surprising results of these studies to general readers through a remarkable collection of books, including The Diversity of Life, The Ants, On Human Nature, and Sociobiology. The grace and precision with which he writes of seemingly complex topics has earned him two Pulitzer prizes, and the admiration of scientists and general readers around the world. In Search of Nature presents for the first time a collection of the seminal short writings of Edward O. Wilson, addressing in brief and eminently readable form the themes that have actively engaged this remarkable intellect throughout his career.”

“The central theme of the essays is that wild nature and human nature are closely interwoven. I argue that the only way to make complete sense of either is by examining both closely and together as products of evolution. Human behavior is seen not just as the product of recorded history, ten thousand years recent, but of deep history, the combined genetic and cultural changes that created humanity over hundreds of thousands of years. We need this longer view, I believe, not only to understand our species, but more firmly to secure its future. The book is composed of three sections. "Animal Nature, Human Nature" ranges from serpents to sharks to sociality in ants. It asks how and why the universal aversion to snakes might have evolved in humans and primates, marvels at the diversity of the world’s 350 species of shark and how their adaptive success has affected our conception of the world, and admonishes us to "be careful of little lives"—to see in the construction of insect social systems "another grand experiment in evolution for our delectation." "The Patterns of Nature" probes at the foundation of sociobiology, asking what is the underlying genetic basis of social behavior, and what that means for the future of the human species. Beginning with altruism and aggression, the two poles of behavior, these essays describe how science, like art, adds new information to the accumulated wisdom, establishing new patterns of explanation and inquiry. In "The Bird of Paradise: The Hunter and the Poet," the analytic and synthetic impulses—exemplified in the sciences and the humanities—are called upon to give full definition to the human prospect. "Nature’s Abundance" celebrates biodiversity, explaining its fundamental importance to the continued existence of humanity. From "The Little Things That Run the World"—invertebrate species that make life possible for everyone and everything else—to the emergent belief of many scientists in the human species’ possible innate affinity for other living things, known as biophilia, Wilson sets forth clear and compelling reasons why humans should concern themselves with species loss. "Is Humanity Suicidal?" compares the environmentalist’s view with that of the exemptionalist, who holds that since humankind is transcendent in intelligence and spirit, our species must have been released from the iron laws of ecology that bind all other species. Not without optimism, Wilson concludes that we are smart enough and have time enough to avoid an environmental catastrophe of civilization-threatening dimensions— if we are willing both to redirect our science and technology and to reconsider our self-image as a species. In Search of Nature is a lively and accessible introduction to the writings of one of the most brilliant scientists of the 20th century. Imaginatively illustrated by noted artist Laura Southworth, it is a book all readers will treasure."
In the Light of Evolution: Essays from the Laboratory and Field
Essays from the Laboratory and Field
Jonathan Losos
Macmillan Learning (April 22, 2016)

Summary:
A collection of essays by leading scientists, and includes essays by science writer Carl Zimmer, historian Janet Browne, and a foreword by journalist David Quammen. As Quammen says in his foreword, the book collects "reports from the field, plainspoken descriptions of lifetime obsessions, hard-earned bits of wisdom, and works in progress, pried loose from some of the most interesting, eminent researchers in evolutionary biology." The book is intended for anyone with an interest in evolution, and it can be used in a wide variety of courses, including major's and non-major's introductory biology and evolution classes. For anyone who is fascinated by evolutionary biology and who desire to understand better the day-by-day, species, ecosystem-by-ecosystem texture of its practice as a scientific profession.

Genre: Science
Number of Pages: 336
Language: English
ISBN: 9780981519494
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

In the Name of Eugenics
Genetics and the Uses of Human Heredity
Daniel J. Kevles

Summary:
Daniel Kevles traces the study and practice of eugenics--the science of "improving" the human species by exploiting theories of heredity--from its inception in the late nineteenth century to its most recent manifestation within the field of genetic engineering. It is rich in narrative, anecdote, attention to human detail, and stories of competition among scientists who have dominated the field.

Genre: Science
Number of Pages: 426
Language: English
ISBN: 9780674445574
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
In the Shadow of Man
Jane Goodall


Five stars

Summary:
This best-selling classic tells the story of one of the world's greatest scientific adventures. Jane Goodall was a young secretarial school graduate when the legendary Louis Leakey chose her to undertake a landmark study of chimpanzees in the wild. In the Shadow of Man is an absorbing account of her early years at Gombe Stream Reserve, telling us of the remarkable discoveries she made as she got to know the chimps and they got to know her. This paperback edition, illustrated with 80 photographs, includes an introduction by Stephen Jay Gould and a postscript by Goodall. During Goodall's forty years of studying chimpanzees, she has become one of the world's most honored scientists. She tells of the later years in THROUGH A WINDOW, also available in Mariner paperback. AFRICA IN MY BLOOD: AN AUTOBIOGRAPHY IN LETTERS tells the story, through her letters, of childhood through the early years at Gombe.

Genre: Nature
Number of Pages: 297
Language: English
ISBN: 9780618056767
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

Inagua, which is the Name of a Very Lonely and Nearly Forgotten Island
Gilbert C. Klingel

Lyons & Burford Publishers (January 1, 1997)

Four stars

Summary: The magical account of a beachcomber shipwrecked on an island.

Genre: Nature
Number of Pages: 385
Language: English
ISBN: 9781558215474
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
Summary:
Phylogenies, or evolutionary trees, are the basic structures necessary to think about and analyze differences between species. Statistical, computational, and algorithmic work in this field has been ongoing for four decades now, and there have been great advances in understanding. Yet no book had summarized this work. Inferring Phylogenies does just that in a single, compact volume. Phylogenies are inferred with various kinds of data. This book concentrates on some of the central ones: discreely coded characters, molecular sequences, gene frequencies, and quantitative traits. Also covered are restriction sites, RAPDs, and microsatellites.

Genre: Science
Number of Pages: 580
Language: English
ISBN: 9780878931774
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Alfred Russel Wallace's reputation has been based on the fact that, at the age of thirty-five and stricken with malaria in the Moluccan Islands, he stumbled independently on the theory of natural selection. Andrew Berry's anthology rescues Wallace's legacy, showing Wallace to be far more than just the co-discoverer of natural selection. Wallace was a brilliant and wide ranging scientist, a passionate social reformer and a gifted writer. The eloquence that has made his The Malay Archipelago a classic of travel writing is a prominent feature too of his extraordinary forward-thinking writing on socialism, imperialism and pacifism. Wallace's opinions on women's suffrage, on land reform, on the roles of church and aristocracy in a parliamentary democracy, on publicly funded education—to name a few of the issues he addressed—remain as fresh and as topical today as they were when they were written.

Genre: Nature
Number of Pages: 430
Language: English
ISBN: 9781859846520
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
Emphasizing the central role of evolution in generating diversity, this best-selling text describes animal life and the fascinating adaptations that enable animals to inhabit so many ecological niches. Featuring high quality illustrations and photographs set within an engaging narrative, Integrated Principles of Zoology is considered the standard by which other texts are measured. With its comprehensive coverage of biological and zoological principles, mechanisms of evolution, diversity, physiology, and ecology, organized into five parts for easy access, this text is suitable for one- or two-semester introductory courses.

Genre: Science
Number of Pages: 912
Language: English
ISBN: 9780073524214
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
A vast amount of biological information about a wide range of species has become available in recent years as technological advances have significantly reduced the time it takes to sequence a genome or determine a novel protein structure. This text describes how bioinformatics can be used as a powerful set of tools for retrieving and analysing this biological data, and how bioinformatics can be applied to a wide range of disciplines such as molecular biology, medicine, biotechnology, forensic science and anthropology. Fully revised and updated, the fourth edition of Introduction to Bioinformatics contains two new chapters, with significantly increased coverage of metabolic pathways, and gene expression and regulation. This reflects the recent growth of interest in these areas in the field of bioinformatics. Written primarily for a biological audience without a detailed prior knowledge of programming, this book is the perfect introduction to the field of bioinformatics, providing friendly guidance and advice on how to use various methods and techniques. Furthermore, frequent examples, self-test questions, problems, and exercises are incorporated throughout the text to encourage self-directed learning. Online resource centre The Online Resource Centre features the following materials: For lecturers (password protected): · Figures and tables from the book available to download For students: · 'Weblems' - web related problems tied to particular sections of the book · Data from the book in computer-readable form · Guidance to help students answer problems from the text, and answers to end of chapter exercises
Genre: Science
Number of Pages: 371
Language: English
ISBN: 9780199651566
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
Introduction to Conservation Genetics
Richard Frankham, David A. Briscoe, Jonathan D. Ballou
Cambridge University Press (March 14, 2002)

Summary:
This textbook provides a clear and comprehensive introduction to the importance of genetic studies in conservation. The text is presented in an easy-to-follow format with main points and terms clearly highlighted. Each chapter concludes with a concise summary, which together with worked examples, problems and answers, emphasize the key principles covered. Text boxes containing interesting case studies and other additional information enrich the content throughout. Over 100 beautiful pen and ink portraits of endangered species help bring the material to life.

Genre: Nature
Number of Pages: 617
Language: English
ISBN: 9780521639859
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Introduction to Genomics
Arthur Lesk
OUP Oxford (2012)

Summary:
Our genome is the blueprint to our existence: it encodes all the information we need to develop from a single cell into a hugely complicated functional organism. But it is more than a static information store: our genome is a dynamic, tightly-regulated collection of genes, which switch on and off in many combinations to give the variety of cells from which our bodies are formed. But how do we identify the genes that make up our genome? How do we determine their function? And how do different genes form the regulatory networks that direct the processes of life? Introduction to Genomics is a fascinating insight into what can be revealed from the study of genomes: how organisms differ or match; how different organisms evolved; how the genome is constructed and how it operates; and what our understanding of genomics means in terms of our future health and wellbeing. Covering the latest techniques that enable us to study the genome in ever-increasing detail, the book explores what the genome tells us about life at the level of the molecule, the cell, and the organism. Learning features throughout make this book the ideal teaching and learning tool: extensive end of chapter exercises and problems help the student to fully grasp the concepts being presented, while end of chapter web-based problems and lab assignments give the student the opportunity to engage with the subject in a hands-on manner. The field of genomics is enabling us to analyze life in more detail than ever before; Introduction to Genomics is the perfect guide to this enthralling subject.

Genre: Medical
Number of Pages: 397
Language: English
ISBN: 9780199564354
Reading Status: Finished
Date Finished: November 19, 2018
Invasion Ecology

Julie L. Lockwood, Martha F. Hoopes, Michael P. Marchetti

Wiley (December 15, 2006)

Rating: ★★★★★

Summary:
This book provides a comprehensive introduction to all aspects of biological invasion by non-native species. Highlighting important research findings associated with each stage of invasion, Invasion Ecology provides an overview of the invasion process from transportation patterns and causes of establishment success to ecological impacts, invader management, and post-invasion evolution. Increasing awareness of the problems associated with invasion has led to a rapid growth in research into the dynamics of non-native species and their adverse effects on native biota and human economies. This book provides a synthesis of this fast-growing field of research, and is an essential text for undergraduate and graduate students in ecology and conservation management.

Genre: Science
Number of Pages: 312
Language: English
ISBN: 9781405114189
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

Invasive Pythons in the United States

Ecology of an Introduced Predator

Michael E. Dorcas, John D. Willson

University of Georgia Press (2011)

Rating: ★★★★★

Summary:
Most people think of pythons as giant snakes in distant tropical jungles, but Burmese pythons, which can reach lengths of over twenty feet and weigh over two hundred pounds, are now thriving in southern Florida. These natives of Asia are commonly kept as pets and presumably escaped or were released in the Everglades. Pythons are now common in this region; widespread throughout hundreds of square miles, they are breeding and appear to be expanding their range. Pythons are voracious predators that feed on a variety of native wildlife including wading birds, bobcats, white-tailed deer, and even alligators. Their presence has drawn dramatic media attention and stoked fears among the public that pythons may threaten not just native species but humans as well. Despite this widespread concern, information on pythons has been limited to a few scientific publications and news coverage that varies widely in fact and accuracy. With Invasive Pythons in the United States, Michael E. Dorcas and John D. Willson provide the most reliable, up-to-date, and scientifically grounded information on invasive pythons. Filled with over two hundred color photographs and fifteen figures and maps, the book will help general readers and the scientific community better understand these fascinating animals and their troubling presence in the United States. Features information on general python biology biology of Burmese pythons in their native range research on pythons in the United States history and status of introduced pythons in Florida risks pythons pose in Florida and elsewhere methods to control python populations other boas and pythons that may become or are already established in the United States.

Genre: Nature
Number of Pages: 156
Invertebrate zoology
Edward E. Ruppert

Genre: Invertebrates
Number of Pages: 1,056
ISBN: 9780030266683
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Invertebrate Zoology
A Functional Evolutionary Approach
Edward E. Ruppert

Summary:
Ruppert/Barnes’s best-selling introduction to the biology of invertebrates is highly regarded for its accuracy and strong research base. This thorough revision provides a survey by animal group, emphasizing evolutionary origins, adaptive morphology and physiology, while covering anatomical ground plans and basic developmental patterns. New co-author Richard Fox brings to the revision his expertise as an ecologist, offering a good balance to Ruppert's background as a functional morphologist. Lavish illustrations and extensive citations make the book extremely valuable as a teaching tool and reference source.

Genre: Science
Number of Pages: 989
Language: English
ISBN: 9780030259821
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**Island Fact and Theory in Nature**

James Lazell

University of California Press (November 1, 2005)

**Summary:**
Guana, in the British Virgin Islands, is home to a remarkably diverse assortment of animal and plant life: mangroves, flamingos, iguanas, frogs, birds, snakes, spiders, tortoises, grasshoppers, and bats, to name but a few. What is so surprising about Guana's astonishing panoply is that, according to prevailing ecological theories, the island's diversity should be much lower than it actually is. This provocative book describes Guana's flora and fauna against the backdrop of islands worldwide and their ecology, evolution, and conservation. Much more than a book about one island, it raises important challenges to prevailing dogma of island biogeography and theoretical ecology. James (Skip) Lazell demonstrates that meaningful conservation and avoiding tragic loss of biodiversity demand we know far more about biological interactions, physiographic and geological structure, meteorology, and other factors. He presents compelling evidence that high levels of natural biodiversity underpin ecosystem resilience and stability. Lazell's engaging narrative, containing many entertaining asides and personal reflections, widens into an evocative commentary about the nature of life on earth.

**Genre:** Nature

**Number of Pages:** 382

**Language:** English

**ISBN:** 9780520243521

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Island Biogeography**

Ecology, Evolution, and Conservation

Robert J. Whittaker, Jose Maria Fernandez-Palacios

OUP Oxford (November 30, 2006)

**Summary:**
Island biogeography is the study of the distribution and dynamics of species in island environments. Due to their isolation from more widespread continental species, islands are ideal places for unique species to evolve, but they are also places of concentrated extinction. Not surprisingly, they are widely studied by ecologists, conservationists and evolutionary biologists alike. There is no other recent textbook devoted solely to island biogeography, and a synthesis of the many recent advances is now overdue. This second edition builds on the success and reputation of the first, documenting the recent advances in this exciting field and explaining how islands have been used as natural laboratories in developing and testing ecological and evolutionary theories. In addition, the book describes the main processes of island formation, development and eventual demise, and explains the relevance of island environmental history to island biogeography. The authors demonstrate the huge significance of islands as hotspots of biodiversity, and as places from which disproportionate numbers of species have been extinguished by human action in historical time. Many island species are today threatened with extinction, and this work examines both the chief threats to their persistence and some of the mitigation measures that can be put in play with conservation strategies tailored to islands.

**Genre:** Science

**Number of Pages:** 416

**Language:** English

**ISBN:** 9780198566120

**Reading Status:** Finished
**Island Biology**
Sherwin John Carlquist

**Genre:** Island ecology  
**Number of Pages:** 660  
**Language:** English  
**ISBN:** 9780231035620  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 12, 2018  
**Tags:** Office

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**Island Life**
Carlquist

**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Islanders in the Stream: From aboriginal times to the end of slavery**
Michael Craton

University of Georgia Press (1992)

**Genre:** Bahamas  
**Language:** English  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 16, 2018  
**Tags:** Office
Islands and the Sea
Essays on Herpetological Exploration in the West Indies
Robert W. Henderson, Robert Powell


Genre: History
Number of Pages: 304
Language: English
ISBN: 9780916984625
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Jewels of the Rainforest
Poison Frogs of the Family Dendrobatidae
Jerry G. Walls

TFH Publications (1995)

Number of Pages: 288
ISBN: 9780793802999
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

John Shaw's Nature Photography Field Guide
John Shaw

Amphoto Books (2000)

Summary:
An updated bestseller, this book of extraordinarily beautiful photographs of nature contains state-of-the-art instruction on how any photographer can aim for equally impressive results every time a camera is focused on the great outdoors. Even highly skilled photographers are often baffled by the problems facing them when they work outdoors. But with this exceptional field guide in hand, every photographer—beginner, serious amateur, semi-pro, and pro—can conquer the problems encountered in the field. Using his own exceptional work as examples, the author discusses each type of nature subject and how to approach photographing it. Specific advice and information cover selection of equipment and lenses; how to compose a shot; how to get close-ups; and other tips covering a range of techniques to enrich various types of nature photographs.

Genre: Photography
Summary:
Pre-trip planning, finding and hiring outfitters, and thorough information on dozens of trails are included in this comprehensive guide to the 30 top climbing and trekking routes on Mount Kilimanjaro and her sister peak, Mount Kenya. 8 pp. color insert. 30 b&w photos. Maps.

Genre: Sports & Recreation

Number of Pages: 173

Language: English

ISBN: 9780898865578

Reading Status: Finished

Date Finished: November 19, 2018

Date Added: November 19, 2018

Tags: Office
La Selva
Ecology and Natural History of a Neotropical Rain Forest
Lucinda A. McDade, Kamaljit S. Bawa, Henry A. Hespenheide, Gary S. Hartshorn
University of Chicago Press (March 18, 1994)

Summary:
La Selva, a nature reserve and field station in Costa Rica, is one of the most intensively studied and best-understood tropical field sites in the world. For over thirty years, La Selva has been a major focus of research on rainforest ecology, flora, and fauna. This volume provides the first comprehensive review of this research, covering La Selva's geographical history and physical setting, its plant and animal life, and agricultural development and land use. Drawing together a wealth of information never before available in a single volume, La Selva offers a substantive treatment of the ecology of a rainforest. Part 1 summarizes research on the physical setting and environment of the rainforest, as well as the history of the research station. Some chapters in this part focus on climate, geomorphology, and aquatic systems, while others look at soils, nutrient acquisition, and cycles of energy. Part 2 synthesizes what is known about the plant community. It begins with chapters on vegetation types and plant diversity, and also explores plant demography, spatial patterns of trees, and the impact of treefall gaps on forest structure and dynamics. Other chapters address plant physiological ecology, as well as plant reproductive systems. Part 3 covers the animal community, summarizing information on the six best-known animal taxa of the region: fishes, amphibians, reptiles, birds, mammals, and butterflies. This part includes an overview of faunal studies at La Selva and a chapter on animal population biology, which examines animal demography and abundance, and interactions between predators and prey. Part 4 addresses interactions between plants and animals and the effects of these interactions on species diversity. Part 5 considers the impact of land use and agricultural development on La Selva and other areas of Costa Rica. One chapter examines land colonization and conservation in Sarapiqui, another covers subsistence and commercial agricultural development in the Atlantic lowlands region, and a third looks at the forest industry in northeastern Costa Rica. This part also assesses the role and research priorities of La Selva. La Selva provides an introduction to tropical ecology for students and researchers at La Selva, a major source of comparative information for biologists working in other tropical areas, and a valuable resource for conservationists.

Genre: Science
Number of Pages: 486
Language: English
ISBN: 9780226039527
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Laboratory Studies for Animal Diversity
Cleveland P Hickman, Jr., Emeritus, Lee Kats
McGraw-Hill Education (October 17, 2014)

Genre: Science
Number of Pages: 336
Language: English
ISBN: 9780077655174
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Despite the substantial interest in landscape genetics from the scientific community, learning about the concepts and methods underlying the field remains very challenging. The reason for this is the highly interdisciplinary nature of the field, which combines population genetics, landscape ecology, and spatial statistics. These fields have traditionally been treated separately in classes and textbooks, and very few scientists have received the interdisciplinary training necessary to efficiently teach or apply the diversity of techniques encompassed by landscape genetics. To address the current knowledge gap, this book provides the first in depth treatment of landscape genetics in a single volume. Specifically, this book delivers fundamental concepts and methods underlying the field, covering particularly important analytical methods in detail, and presenting empirical and theoretical applications of landscape genetics for a variety of environments and species. Consistent with the interdisciplinary nature of landscape genetics, the book combines an introductory, textbook like section with additional sections on advanced topics and applications that are more typical of edited volumes. The chapter topics and the expertise of the authors and the editorial team make the book a standard reference for anyone interested in landscape genetics. The book includes contributions from many of the leading researchers in landscape genetics. The group of scientists we have assembled has worked on several collaborative projects over the last years, including a large number of peer reviewed papers, several landscape genetics workshops at international conferences, and a distributed graduate seminar on landscape genetics. Based on the experiences gained during these collaborative teaching and research activities, the book includes chapters that synthesize fundamental concepts and methods underlying landscape genetics (Part 1), chapters on advanced topics that deserve a more in depth treatment (Part 2), and chapters illustrating the use of concepts and methods in empirical applications (Part 3). This structure ensures a high usefulness of the book for beginning landscape geneticists and experienced researchers alike, so that it has a broad target audience. At least one of the four co editors is involved in almost every chapter of the book, thereby ensuring a high consistency and coherency among chapters.

**Genre:** Science  
**Number of Pages:** 288  
**Language:** English  
**ISBN:** 9781118525296  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Las ranas de hoja de Costa Rica**  
*Leaf-frogs of Costa Rica*  
Brian Kubicki  

**Genre:** Geographical distribution  
**Number of Pages:** 117  
**Language:** English  
**ISBN:** 97899968702973  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Latin American Spanish Phrasebook**  
Sally Steward  
Penton Overseas, Inc (1998)

★★★★★
Spanish is one of the most widely spoken languages in the world, particularly owing to the large number of people speaking Spanish in Latin America. The Latin American countries where Spanish is the predominant language are- Argentina, Bolivia, Chile, Columbia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Uruguay and Venezuela.

Genre: Language Arts & Disciplines
Number of Pages: 308
Language: Spanish
ISBN: 9780864425584
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Leonardo's Mountain of Clams and the Diet of Worms

Essays on Natural History

Stephen Jay Gould

Three Rivers Press (1999)

Summary:
Leonardo's Mountain of Clams and the Diet of Wormsis the newest collection of best-selling scientist Stephen Jay Gould's popular essays fromNatural Histormagazine (the longest-running series of scientific essays in history). It is also the first of the final three such collections, since Dr. Gould has announced that the series will end with the turn of the millennium. In this collection, Gould consciously and unconventionally formulates a humanistic natural history, a consideration of how humans have learned to study and understand nature, rather than a history of nature itself. With his customary brilliance, Gould examines the puzzles and paradoxes great and small that build nature's and humanity's diversity and order. In affecting short biographies, he depicts how scholars grapple with problems of science and philosophy as he illuminates the interaction of the outer world with the unique human ability to struggle to understand the whys and wherefores of existence.

Genre: Science
Number of Pages: 422
Language: English
ISBN: 9780609804759
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Life

The Science of Biology

David E. Sadava, H. Craig Heller, William K. Purves, Gordon H. Orians, David M. Hillis

Macmillan (2008)

Summary:
Co-published by Sinauer Associates, Inc., and W. H. Freeman and Company. Visit the Life, Eighth Edition preview site. LIFE HAS EVOLVED... from its original publication to this dramatically revitalized Eighth Edition. LIFE has always shown students how biology works, offering an engaging and coherent presentation of the fundamentals of biology by describing the landmark experiments that revealed them. This edition builds on those strengths and introduces several innovations. As with previous editions, the Eighth Edition will also be available in three paperback volumes: • Volume I: The Cell and Heredity, Chapters 1-20 • Volume II: Evolution, Diversity and Ecology, Chapters 1, 21-33, 52-57 • Volume III: Plants and Animals, Chapters 1, 34-51

Genre: Science
Number of Pages: 1,251
Language: English
ISBN: 9780716776710
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Life and death in a coral sea
Jacques-Yves Cousteau

A & W Visual Library (July 1, 1978)

Genre: Coral reef ecology
Number of Pages: 302
Language: English
ISBN: 9780891040897
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Life and Death of the Salt Marsh
John Teal, Mildred Teal

Random House Publishing Group (July 1, 1983)

Summary:
"At low tide, the wind blowing across Spartina grass sounds like wind of the prairie. When the tide is in, the gentle music of moving water is added to the prairie rustle.... "One of nature's greatest gifts is the string of salt marshes that edges the East Coast from Newfoundland to Florida -- a ribbon of green growth, part solid land, part scurrying water. Life and Death of the Salt Marsh shows how these marshes are developed, what kinds of life inhabit them, how enormously they have contributed to man, and how ruthlessly man is destroying them.

Genre: Nature
Number of Pages: 274
Language: English
ISBN: 9780345310279
Reading Status: Finished
Date Finished: November 19, 2018
**Life as it is**  
*Biology for the Public Sphere*  
William F. Loomis  
University of California Press (2008)  

**Summary:**  
"This book is an enjoyable and thought-provoking 'My Dinner With Bill Loomis'. He shows how respect for human life means acknowledging its ecological and evolutionary contexts. Molecular biology, he writes, is like Prometheus, giving us incredible tools for good or evil—and it's time that we grow up."—Scott F. Gilbert, Howard A. Schneiderman Professor of Biology, Swarthmore College  
"A wonderful journey through the very basis of life and how we live."—Lewis Wolpert, Professor of Biology as Applied to Medicine, University College, London  
"Advances in biology increasingly impinge on our everyday lives, challenging us with new interventions and ideas of what it means to be human. In this book, the distinguished scientist Bill Loomis takes us effortlessly through the biology we need to understand to come to our own opinions about these issues of great importance to each of us and to society as a whole."—Paul Nurse, President of Rockefeller University, Winner of the Nobel Prize in Physiology and Medicine

**Genre:** Nature  
**Number of Pages:** 247  
**Language:** English  
**ISBN:** 9780520253575  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Life in the Dark**  
*Illuminating Biodiversity in the Shadowy Haunts of Planet Earth*  
Danté Fenolio  
JHU Press (April 15, 2016)  

**Summary:**  
Deep inside caves, at the bottoms of oceans and lakes, beneath the ground: these concealed habitats are absent of sunlight. This strange and fascinating world of complete darkness is not a solitary place—it is inhabited by millions of life forms. Yet most humans—creatures of daylight—have never seen any of them. Until now. In this fascinating—sometimes eerie—book, extreme wildlife photographer and scientist Danté Fenolio brings the denizens of these shadowy haunts into focus. Life in the Dark shows us the many ways in which life forms have adapted to lightless environments, including refinements of senses, evolution of unique body parts, and illumination using "biological flashlights." With more than 200 mesmerizing color photographs, Life in the Dark unveils bizarre creatures like the firefly squid, the giant Amazonian catfish, the Chinese cavefish, and even the human bot fly, which lives in the darkness beneath its host’s skin. Fenolio’s rich and vibrant images shed new light on the world’s fascinating creatures of darkness.

**Genre:** Nature  
**Number of Pages:** 317  
**Language:** English  
**ISBN:** 9781421418636  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
**Life's grandeur**
the spread of excellence from Plato to Darwin
Stephen Jay Gould

Vintage (1997)

Genre: Evolution
Number of Pages: 244
ISBN: 9780099893608
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 9, 2018
Tags: Office

**Summary:**

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**Lizards**
Windows to the Evolution of Diversity
Eric R. Pianka, Laurie J. Vitt


★★★★★

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This book is the first to provide a comprehensive introduction to the diversity of lizards and their major adaptive features. The scope and mastery of the material are truly impressive. The authors discuss the latest research findings in readily accessible terms and provide sweeping new hypotheses about lizard diversity that will generate much discussion and research among lizard specialists, community ecologists, and evolutionary biologists. This book should reach a wide audience and will undoubtedly stimulate the interest of future biologists. I wish I had had it when I was a teenager!"--William E. Cooper, Indiana University-Purdue University

"It was a treat to read this book. Together Pianka and Vitt form an unbeatable team of lizard experts. Vitt has extensive experience in South America and tropical forests, as well as southwestern U.S. deserts, whereas Pianka has specialized in deserts of Australia, southern Africa, and North America. They have spent a lot of time in the field studying lizards, and this is apparent in the text. I especially enjoyed the personal vignettes, which add to the liveliness of the book. This is a wonderful synthesis and a great addition to the herpetological literature."--David B. Wake, University of California, Berkeley

"No one knows lizards better than Pianka and Vitt. These master naturalists and master ecologists have combined forces to provide a scholarly--yet accessible and personal--overview on the biology of a fascinating group of organisms. If you like lizards, you must read this book. If you don't like lizards but still have an open mind, you really should read this book. If you're not sure whether you like lizards, you definitely should read this book."--Raymond B. Huey, University of Washington

"This book provides an excellent overview of the staggering diversity of lizards, highlighting not only the intrinsically fascinating traits of these reptiles but also their appropriateness as models for evolutionary and ecological studies. The authors' thorough treatment of lizard biology is engagingly presented and is enhanced by personal insights derived from decades of fieldwork in the deserts and rain forests of the world."--Aaron M. Bauer, Villanova University

Lizards & Crocodilians of the Southeast

Whit Gibbons, Judy Greene, Tony Mills

University of Georgia Press (2009)

Summary:
This title features race runners, spiny tails, caimans, and more. This heavily illustrated, lively, and accessible guide covers twenty native and thirty-nine introduced species of lizards and crocodilians found in the Southeast. Introductory chapters cover the biodiversity of lizards and crocodilians both regionally and globally and discuss lizard and crocodilian life cycles, morphology, habitats, diets, and behaviors. Illustrated, fact-filled descriptions of each species and its habitat comprise the heart of the book. The accounts include a physical description of the species plus information about distribution and habitat, behavior and activity, food and feeding, reproduction, predators and defense, and conservation status. Variations within each species are noted as are taxonomic questions, many of which have arisen because of recent advances in genetic techniques. Useful information about human interaction with these animals is also covered: how to observe them, how to ensure the survival of native species, how to properly care for pet lizards, and more. Interspersed throughout the book are "Did You Know?" boxes to answer frequently asked questions and to provide interesting facts. Clearly written, cleanly designed, and fun to use, this guide will promote a better understanding of the habitat needs of and challenges to this fascinating group of animals. It features: in-depth descriptions of both native and introduced species; conservation-oriented approach; approximately 330 color photographs; approximately 18 distribution maps (for native species only); "Did You Know?" sidebars of interesting facts, size charts, key identifiers, and information about distribution and habitat, behavior and activity, food and feeding, reproduction, predators and defense, variation and taxonomy, and conservation, as well as chapters on lizard and crocodilian biodiversity and on human interactions with lizards and crocodilians.

Genre: Nature

Number of Pages: 333
Language: English
ISBN: 9780520248472
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Lizards & Crocodilians of the Southeast

Whit Gibbons, Judy Greene, Tony Mills

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Summary:
This title features race runners, spiny tails, caimans, and more. This heavily illustrated, lively, and accessible guide covers twenty native and thirty-nine introduced species of lizards and crocodilians found in the Southeast. Introductory chapters cover the biodiversity of lizards and crocodilians both regionally and globally and discuss lizard and crocodilian life cycles, morphology, habitats, diets, and behaviors. Illustrated, fact-filled descriptions of each species and its habitat comprise the heart of the book. The accounts include a physical description of the species plus information about distribution and habitat, behavior and activity, food and feeding, reproduction, predators and defense, and conservation status. Variations within each species are noted as are taxonomic questions, many of which have arisen because of recent advances in genetic techniques. Useful information about human interaction with these animals is also covered: how to observe them, how to ensure the survival of native species, how to properly care for pet lizards, and more. Interspersed throughout the book are "Did You Know?" boxes to answer frequently asked questions and to provide interesting facts. Clearly written, cleanly designed, and fun to use, this guide will promote a better understanding of the habitat needs of and challenges to this fascinating group of animals. It features: in-depth descriptions of both native and introduced species; conservation-oriented approach; approximately 330 color photographs; approximately 18 distribution maps (for native species only); "Did You Know?" sidebars of interesting facts, size charts, key identifiers, and information about distribution and habitat, behavior and activity, food and feeding, reproduction, predators and defense, variation and taxonomy, and conservation, as well as chapters on lizard and crocodilian biodiversity and on human interactions with lizards and crocodilians.

Genre: Nature

Number of Pages: 235
Language: English
ISBN: 9780820331584
Reading Status: Finished
Lizards in an Evolutionary Tree
Ecology and Adaptive Radiation of Anoles
Jonathan B. Losos

University of California Press (2009)

Summary:
"In a book both beautifully illustrated and deeply informative, Jonathan Losos, a leader in evolutionary ecology, celebrates and analyzes the diversity of the natural world that the fascinating anoline lizards epitomize. Readers who are drawn to nature by its beauty or its intellectual challenges—or both—will find his book rewarding."--Douglas J. Futuyma, State University of New York, Stony Brook

"This book is destined to become a classic. It is scholarly, informative, stimulating, and highly readable, and will inspire a generation of students."--Peter R. Grant, author of How and Why Species Multiply: The Radiation of Darwin's Finches

"Anoline lizards experienced a spectacular adaptive radiation in the dynamic landscape of the Caribbean islands. The radiation has extended over a long period of time and has featured separate radiations on the larger islands. Losos, the leading active student of these lizards, presents an integrated and synthetic overview, summarizing the enormous and multidimensional research literature. This engaging book makes a wonderful example of an adaptive radiation accessible to all, and the lavish illustrations, especially the photographs, make the anoles come alive in one's mind."--David Wake, University of California, Berkeley

"This magnificent book is a celebration and synthesis of one of the most eventful adaptive radiations known. With disarming prose and personal narrative Jonathan Losos shows how an obsession, beginning at age ten, became a methodology and a research plan that, together with studies by colleagues and predecessors, culminated in many of the principles we now regard as true about the origins and maintenance of biodiversity. This work combines rigorous analysis and glorious natural history in a unique volume that stands with books by the Grants on Darwin's finches among the most informed and engaging accounts ever written on the evolution of a group of organisms in nature."--Dolph Schluter, author of The Ecology of Adaptive Radiation

Genre: Nature
Number of Pages: 507
Language: English
ISBN: 9780520255913
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Lords and Lemurs
Mad Scientists, Kings with Spears, and the Survival of Diversity in Madagascar
Alison Jolly


Summary:
In the extreme south of Madagascar is a place called Berenty, where Tandroy tribesmen, French lords, mad scientists, and two or three species of lemurs may be found gathered peacefully under a tamarind tree. Forty years ago Alison Jolly went to Berenty to study lemurs, and she has been enthralled by it ever since. In Lords and Lemurs she tells the story of the place, its people, and its other animals. The owner of Berenty, Jean de Heaulme, arrived there in 1928 as a six-month-old baby, riding with his mother in the sidecar of his father's Harley-Davidson motorcycle. The de Heaulme family has lived at Berenty ever since, supporting Madagascar's fight for independence from France, serving in the government, and enduring economic turmoil, civil war, and even imprisonment. Although they are relics of a colonial system that seized land and tortured dissidents, the de Heaulmes also epitomize noblesse oblige in the best sense of the phrase, showing a remarkable sense of responsibility for both the people and the ecosystem of Berenty. Early on they set aside a large portion of their estate as a nature preserve, where lemurs and other animals have thrived over the years. Jean de Heaulme became a blood brother to one of the local Tandroy nobles -- the kings with spears. Traditionally the Tandroy were warriors who raided for women, cattle, and slaves. Now those who live at Berenty can take what they need from the modern world -- medical care, education, and a cash income -- without giving up their own customs and way of life. Many Tandroy still live in traditional villages surrounded by walls of thorn, and even the men who hold salaried jobs work hard so they can return to their clan with enough cattle to buy a bride or two. When a clan elder dies, the family offers a grandiose funeral where, amid gunfire and dancing and merrymaking and sex, a whole herd of zebu cattle is sacrificed to honor the new Ancestor -- even if he happens to be a Christian. Alison Jolly and her husband were honored to be invited to attend a Tandroy funeral. Poignant and colorful, tragic and funny, Lords and Lemurs is a remarkable tale of one of the last great places on earth and the extraordinary people who live there, a tale of marriage, birth, and death, of spear fights and stink fights and dancing. It shows how human warmth and dignity can reach out beyond any social system.

Lost Land of the Dodo
An Ecological History of Mauritius, Réunion & Rodrigues
Anthony S. Cheke, Julian Pender Hume
A&C Black (January 1, 2008)

Summary:
Uninhabited by humans, the Mascarene Islands of the Indian Ocean were once home to an extraordinary range of birds and reptiles: giant tortoises, parrots, skinks, geckos, burrowing boas, flightless rails and herons, and, most famously, dodos. But the discovery of the three isolated islands in the 1500s, and their colonization in the 1600s, led to dramatic ecological changes. The dodo became extinct on its home island of Mauritius within several decades, and over the next 150 years most native vertebrates suffered the same fate. This fascinating book provides the first full ecological history of the Mascarene Islands as well as the specific story of each extinct vertebrate, accompanied by Julian Hume’s superb color illustrations.

Lost Land of the Dodo
An Ecological History of Mauritius, Réunion & Rodrigues
Anthony S. Cheke, Julian Pender Hume
A&C Black (January 1, 2008)
Summary:
Stephen Jay Gould (1941-2002) was one of the most prominent scientists of recent decades, a man whose expertise ranged from paleontology to evolutionary theory and the history of science. He was an unabashedly popular figure, attracting standing-room-only audiences to his lectures at Harvard and around the world. In his monthly Natural History columns and innumerable articles and books, Gould made evolution interesting in a way that hardly anyone—since the time of Darwin and Huxley—had been able to do. In Macroevolution, major themes of Gould's work are reassessed in light of new research by his contemporaries. The book includes original essays by such noted scholars as Niles Eldredge, Richard Fortey, and Lynn Margulis on heterochrony, disparity, and macroevolution, stasis and the dynamics of evolutionary change, and mass extinctions. Fourteen essays provide an expansive overview of contemporary evolutionary theory. Macroevolution is a unique tribute to Gould that will be a valuable educational resource for students, teachers, and anyone interested in the work of this scientific provocateur.

Genre: Science
Number of Pages: 210
Language: English
ISBN: 9781891276491
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Malawi Cichlids in Their Natural Habitat

Ad Konings

Number of Pages: 424
Language: English
ISBN: 9781932892055
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Mammalogy
Terry A. Vaughan, James M. Ryan, Nicholas J. Czaplewski

Jones & Bartlett Publishers (December 11, 2013)

Summary:
Mammalogy is the study of mammals from the diverse biological viewpoints of structure, function, evolutionary history, behavior, ecology, classification, and economics. Thoroughly updated, the Sixth Edition of Mammalogy explains and clarifies the subject as a unified whole. The text begins by defining mammals and summarizing their origins. It moves on to discuss the orders and families of mammals with comprehensive coverage on the fossil history, current distribution, morphological characteristics, and basic behavior and ecology of each family of mammals. The third part of the text progresses to discuss special topics such as mammalian echolocation, physiology, behavior, ecology, and zoogeography. The text concludes with two additional chapters, previously available online, that cover mammalian domestication and mammalian disease and zoonoses.

Genre: Science
Number of Pages: 750
Language: English
ISBN: 9781284032185
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Mammals of Madagascar
A Complete Guide
Nick Garbutt

Yale University Press (2007)

Summary:
The mammals that inhabit Madagascar are among the most extraordinary in the world. This portable guide offers a full survey and classification of all the Malagasy mammals, both endemic and introduced, including many new species only recently identified. With vivid color photographs, line illustrations, and maps, Mammals of Madagascar: A Complete Guide is an essential volume for any tourist or biologist who visits the island—or wishes to. The guide provides descriptions of the physical and behavioral characteristics of each species as well as information about habitat and distribution. To further aid identification, the book lists top mammal-watching sites in the rainforests, deciduous forests, and spiny forest areas. Streamlined and completely updated, this book replaces Nick Garbutt's classic earlier work, Mammals of Madagascar, and takes its place as the definitive guide to the mammals of the world's fourth-largest island. Published in association with Christopher Helm/A & C Black Publishers Ltd.

Genre: Nature
Number of Pages: 304
Language: English
ISBN: 9780300125504
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Mammals of the Carolinas, Virginia, and Maryland
William David Webster, James F. Parnell, Walter C. Biggs

University of North Carolina Press (1985)

Summary:
The only volume to deal specifically with the mid-Atlantic region, this practical guide describes in detail the 88 terrestrial mammals found there as well as the 33 marine species that inhabit the offshore waters. The authors offer expert descriptions of each species, including feeding habits, activity cycles, reproductive biology, and relation to other animals and humans. By emphasizing the relationships between mammals and their environments, the authors reveal how these animals live throughout the year. They guide readers to an appreciation of mammalian life and a keen awareness of the importance of conservation and habitat preservation.

Genre: Nature
Number of Pages: 255
Language: English
ISBN: 9780807816639
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
Man and birds

Man and birds: evolution and behavior

Andrew J. Meyerriecks

Pegasus, a Division of Bobbs-Merrill (1972)

Rating: ★★★★★

Genre: Science
Number of Pages: 209
Language: English
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Manu

Manu

Macquarrie

Rating: ★★★★★

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Marine Life of the North Atlantic

Marine Life of the North Atlantic: Canada to Cape May

Candace Storm Martinez

Aqua Quest Publications (2010)

Rating: ★★★★★

Summary:
For those interested in marine plants and animals, identifying what they see can be a lifetime pursuit. This reference makes it easy to learn the names and natural history of 278 marine species found from Canada to Cape May, NJ. Included next to each of the 390 color photographs is a log to record the date and location the species was seen. The author's comments reflect his over 40 years of diving experience.

Genre: Nature
Number of Pages: 304
Language: English
ISBN: 9781881652359
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Mating Systems and Strategies
Stephen M. Shuster, Michael J. Wade

Summary:
This book presents the first unified conceptual and statistical framework for understanding the evolution of reproductive strategies. Using the concept of the opportunity for sexual selection, the authors illustrate how and why sexual selection, though restricted to one sex and opposed in the other, is one of the strongest and fastest of all evolutionary forces. They offer a statistical framework for studying mating system evolution and apply it to patterns of alternative mating strategies. In doing so, they provide a method for quantifying how the strength of sexual selection is affected by the ecological and life history processes that influence females' spatial and temporal clustering and reproductive schedules. Directly challenging verbal evolutionary models that attempt to explain reproductive behavior without quantitative reference to evolutionary genetics, this book establishes a more solid theoretical foundation for the field. Among the weaknesses the authors find in the existing data is the apparent ubiquity of condition-dependent mating tactics. They identify factors likely to contribute to the evolution of alternative mating strategies—which they argue are more common than generally believed—and illustrate how to measure the strength of selection acting on them. Lastly, they offer predictions on the covariation of mating systems and strategies, consider the underlying developmental biology behind male polyphenism, and propose directions for future research. Informed by genetics, this is a comprehensive and rigorous new approach to explaining mating systems and strategies that will influence a wide swath of evolutionary biology.

Genre: Science
Number of Pages: 533
Language: English
ISBN: 9780691049311
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

MEASURING MONIT BIO DIV PB
Wilson De
Smithsonian (August 17, 1996)

Summary:
Measuring and Monitoring Biological Diversity: Standard Methods for Mammals provides a comprehensive manual for designing and implementing inventories of mammalian biodiversity anywhere in the world and for any group, from rodents to open-country grazers. The book emphasizes formal estimation approaches, which supply data that can be compared across habitats and over time. Beginning with brief natural histories of the twenty-six orders of living mammals, the book details the field techniques—observation, capture, and sign interpretation—appropriate to different species. The contributors provide guidelines for study design, discuss survey planning, describe statistical techniques, and outline methods of translating field data into electronic formats. Extensive appendices address such issues as the ethical treatment of animals in research, human health concerns, preserving voucher specimens, and assessing age, sex, and reproductive condition in mammals. Useful in both developed and developing countries, this volume and the Biological Diversity Handbook Series as a whole establish essential standards for a key aspect of conservation biology and resource management.

Genre: Nature
Number of Pages: 409
Language: English
**Summary:**
Measuring and Monitoring Biological Diversity: Standard Methods for Mammals provides a comprehensive manual for designing and implementing inventories of mammalian biodiversity anywhere in the world and for any group, from rodents to open-country grazers. The book emphasizes formal estimation approaches, which supply data that can be compared across habitats and over time. Beginning with brief natural histories of the twenty-six orders of living mammals, the book details the field techniques—observation, capture, and sign interpretation—appropriate to different species. The contributors provide guidelines for study design, discuss survey planning, describe statistical techniques, and outline methods of translating field data into electronic formats. Extensive appendixes address such issues as the ethical treatment of animals in research, human health concerns, preserving voucher specimens, and assessing age, sex, and reproductive condition in mammals. Useful in both developed and developing countries, this volume and the Biological Diversity Handbook Series as a whole establish essential standards for a key aspect of conservation biology and resource management.

**Genre:** Nature

**Number of Pages:** 409

**Language:** English

**ISBN:** 9781560986379

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
From the mountainous area bordering Arizona and New Mexico, the western range of the Sierra Madres reaches south into Mexico to the state of Jalisco. The eastern range stretches from the Texas border down to Morelia and the Valley of Mexico. Ben Tinker spent years exploring this rugged wilderness and the vast deserts of Sonora and Baja California. Mexican Wilderness and Wildlife condenses a lifetime of outdoor lore and learning. Tinker provides detailed life sketches of Mexico's Desert Bighorn Sheep, Pronghorn Antelope, Mule Deer, Whitetail Deer, Peccary, Grizzly and Black Bears, Wild Turkey, Jaguar, Mountain Lion, Timber Wolf, Coyote, and Bobcat. Each is illustrated by wildlife artist Doris Tischler, and Tinker describes their habitats, habits, reproduction, and peculiarities. Information is supplied on the physical measurements of several species of major wildlife. Tinker's observations are laced with anecdotes about his experiences in Mexico's remote backcountry—encounters with bandits, survival in the desert mountains, and the chance discovery of archaeological ruins. The book describes the terrain and flora of the four life zones inhabited by major game and predatory animals. The section on desert water is a fascinating account of how animals thrive among cacti, thorn trees, and creosote bush remote from streams and waterholes. There is also a brief discussion of conservation efforts in Mexico, chapters on trout fishing in the Sierra Madre Occidental and Baja California, and a guide to big game habitats. This volume will be valuable to hunters, conservationists, naturalists, and others interested in the wilderness and wildlife of Mexico. Ben Tinker collected much of the material for this book during the years he roamed northern Mexico as Federal Game Guardian. Though an American, Tinker had long been familiar with Mexican wildlife through his Sonoran ranching operation and was known for his interest in conservation when he was appointed by Alvaro Obregón in 1922.

Genre: Nature
Number of Pages: 144
Language: English
ISBN: 9781477303269
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Modern Developments in Theoretical Population Genetics

The Legacy of Gustave Malécot

Montgomery Slatkin, Michel Veuille

Oxford University Press (2002)

Summary:
This book contains chapters by leading population genetics that summarize many of the recent developments in population genetics theory and its application to genetic data. The book was inspired by a meeting in honour of the late French population geneticist, Gustave Malecot, held at the Ecole Normale Superieure in Paris, France, in the summer of 1999. Malecot was, along with R.A. Fisher, J.B.S. Haldane, and S. Wright, among the founders of theoretical population genetics. The meeting demonstrated both the great interest in Malecot's work and its relevance to the recent development of the theory of coalescents and the application of that theory to genetic variation observed at the level of DNA sequence. The introductory papers in the book review Malecot's life and his contributions to the theory of population genetics. Later chapters present recent developments in population genetics with particular emphasis on the theory of coalescents. They include discussions of methods for inferring past changes in population size and patterns of genetic exchange, for inferring the ages of individual mutations, and for analysing the relationships among closely linked genes.

Genre: Biography & Autobiography
Number of Pages: 264
Language: English
ISBN: 9780198599630
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Modern Genetic Analysis
Griffiths, William M. Gelbart, Jeffrey H. Miller, Richard C. Lewontin, Anthony J. F. Griffiths
W.H. Freeman (1999)

Summary:
Number of Pages: 675
Language: English
ISBN: 9780716735977
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Modern Phylogenetic Comparative Methods and Their Application in Evolutionary Biology
Concepts and Practice
László Zsolt Garamszegi
Springer (July 29, 2014)

Summary:
Phylogenetic comparative approaches are powerful analytical tools for making evolutionary inferences from interspecific data and phylogenies. The phylogenetic toolkit available to evolutionary biologists is currently growing at an incredible speed, but most methodological papers are published in the specialized statistical literature and many are incomprehensible for the user community. This textbook provides an overview of several newly developed phylogenetic comparative methods that allow to investigate a broad array of questions on how phenotypic characters evolve along the branches of phylogeny and how such mechanisms shape complex animal communities and interspecific interactions. The individual chapters were written by the leading experts in the field and using a language that is accessible for practicing evolutionary biologists. The authors carefully explain the philosophy behind different methodologies and provide pointers – mostly using a dynamically developing online interface – on how these methods can be implemented in practice. These “conceptual” and “practical” materials are essential for expanding the qualification of both students and scientists, but also offer a valuable resource for educators. Another value of the book are the accompanying online resources (available at: http://www.mpcm-evolution.com), where the authors post and permanently update practical materials to help embed methods into practice.
Genre: Science
Number of Pages: 552
Language: English
ISBN: 9783662435502
Reading Status: Finished
Date Finished: November 19, 2018
Loaned To: Darcy
Date Loaned: November 12, 2018
Date Added: November 12, 2018
Tags: Office
Modern Physical Geography
Alan H. Strahler, Arthur N. Strahler

Wiley (1992)

Summary:
This Fourth Edition of a well-established text on physical geography provides rigorous coverage of the topic at the undergraduate level. It includes a full-color art program and increased attention to environmental issues.

Genre: Science
Number of Pages: 638
Language: English
ISBN: 9780471533924
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Molecular Approaches To Ecology And Evolution
R. deSalle, Bernd Schierwater

Springer Science & Business Media (September 29, 1998)

Summary:
Four years ago we edited a volume of 36 papers entitled Molecular Approaches to Ecology and Evolution (Schierwater et al., 1994), in which we attempted to put together a diverse array of papers that demonstrated the impact that the technological revolution of molecular biology has had on the field of evolutionary biology and ecology. The present volume borrows from that theme but attempts to focus more sharply on the impact that molecular biology has had on our understanding of different hierarchical levels important in evolutionary and ecological studies. Because DNA sequence variation is at the heart of every paper in the present volume, we feel it necessary to examine how DNA has affected study at various levels of biological organization. The majority of the chapters in the present volume follow themes established in the earlier volume; all chapters by authors in the previous volume are either fully updated or entirely new and expand into areas that we felt were important for a more complete understanding of the impact of DNA technology on ecology and evolution. The collection of papers in this volume cover a diverse array of ecological and evolutionary questions and demonstrates the breadth of coverage molecular technology has imparted on modern evolutionary biology. There are also a broad range of hierarchical questions approached by the 17 papers in this volume.

Genre: Medical
Number of Pages: 364
Language: English
ISBN: 9783764357252
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Molecular Biology
Principles and Practice
Michael M. Cox, Michael O'Donnell

Macmillan Learning (March 16, 2015)

Summary:
This is the textbook only without LaunchPad. Written and illustrated with unsurpassed clarity, introduces fundamental concepts while exposing students to how science is done. The second edition addresses recent discoveries and advances, corresponding to our ever-changing understanding of molecular biology. Molecular Biology can also be purchased with W.H. Freeman's breakthrough online course space, LaunchPad, which offers innovative media content, curated and organised for easy assignability. Including LearningCurve, our adaptive quizzing resource, to engage your students and develop their understanding of molecular biology. To order this book bundled with LaunchPad please order package isbn 9781137563460.

Genre: Science
Number of Pages: 944
Language: English
ISBN: 9781464126147
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Molecular Biology
Principles and Practice
Michael M. Cox, Jennifer Doudna, Michael O'Donnell

W. H. Freeman (February 11, 2011)

Summary:
Written and illustrated with unsurpassed clarity, Molecular Biology: Principles and Practice introduces fundamental concepts while exposing students to how science is done. The authors convey the sense of joy and excitement that comes from scientific discovery, highlighting the work of researchers who have shaped—and who continue to shape—the field today.

Genre: Science
Number of Pages: 750
Language: English
ISBN: 9780716779988
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**Molecular Biology Of The Gene**
Watson

**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Molecular Evolution and Phylogenetics**
Masatoshi Nei, Sudhir Kumar

Oxford University Press (2000)

**Summary:**
During the last ten years, remarkable progress has occurred in the study of molecular evolution. Among the most important factors that are responsible for this progress are the development of new statistical methods and advances in computational technology. In particular, phylogenetic analysis of DNA or protein sequences has become a powerful tool for studying molecular evolution. Along with this developing technology, the application of the new statistical and computational methods has become more complicated and there is no comprehensive volume that treats these methods in depth. Molecular Evolution and Phylogenetics fills this gap and present various statistical methods that are easily accessible to general biologists as well as biochemists, bioinformaticists and graduate students. The text covers measurement of sequence divergence, construction of phylogenetic trees, statistical tests for detection of positive Darwinian selection, inference of ancestral amino acid sequences, construction of linearized trees, and analysis of allele frequency data. Emphasis is given to practical methods of data analysis, and methods can be learned by working through numerical examples using the computer program MEGA2 that is provided.

**Genre:** Medical  
**Number of Pages:** 333  
**Language:** English  
**ISBN:** 9780195135855  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Molecular Genetics**
Stent

**Summary:**

**Genre:** Medical  
**Number of Pages:** 333  
**Language:** English  
**ISBN:** 9780195135855  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
Molecular Markers, Natural History, and Evolution
John C. Avise, Distinguished Professor Ecology & Evolutionary Biology John C Avise, Ph.D.


Summary:
Molecular markers have opened exciting new windows through which to view the natural biological world. This treatment addresses the many applications for genetic markers (from polymorphic proteins and DNA) from the perspectives of population biology, behavioral ecology, organismal evolution, and phylogeny. Opening chapters review the history and purview of molecular approaches, and compare and contrast various laboratory techniques for revealing molecular markers. Subsequent chapters review the extensive scientific literature of molecular ecology and evolution, and describe a cornucopia of captivating discoveries about nature's workings, past and present. The book is taxonomically balanced with numerous examples from plants, animals, and microbes. It is also temporally balanced with examples ranging from assessments of genetic parentage and kinship in the most recent generations to phylogenetic assessments deep in the Tree of Life (and nearly everything in-between). This Second Edition of a seminal work (first published in 1994) brings the reader up-to-date on the many dramatic advances and insights made over the last decade. Furthermore, by retaining descriptions of many pioneering works, this book also traces the empirical and conceptual roots of each subject, and thereby provides a rich sense of the field's history. Appropriate for advanced undergraduates, graduate students, and scientists in such disciplines as ecology, genetics, population biology, ethology, molecular biology, systematics, and conservation biology, this new edition is for anyone interested in the application of molecular markers to organisms in the wild.

Genre: Medical
Number of Pages: 684
Language: English
ISBN: 9780878930418
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Molecular Systematics
David M. Hillis

Oxford University Press, Incorporated (1996)

Summary:
Molecular systematic methods have been applied in most fields of biology to provide an evolutionary framework whenever comparisons are made among individuals, populations, or higher taxa. The first edition of Molecular Systematics became a standard reference for this vigorous field by describing each aspect of the planning, execution, and analysis of a molecular systematic study. The Second Edition updates and expands this coverage, and includes considerable information on new molecular techniques and methods of analysis. Molecular Systematics includes chapters on sampling design, the collection and storage of tissues, each of the major molecular techniques, and intraspecific and phylogenetic analysis. The sampling chapters describe how to plan a study and how to collect, transport, and store the appropriate tissues for each study. The techniques chapters cover principles, assumptions, applications, limitations, and protocols for isozyme electrophoresis, molecular cytogenetics, DNA hybridization, the polymerase chain reaction, restriction site and fragment analysis, and nucleic acid sequencing and alignment. Advantages and disadvantages of alternative approaches are discussed for each technique, and recent developments (such as new methods of fluorescent in situ hybridization, rapid screening methods for detecting DNA sequence variation, automated sequencing methods, new approaches for PCR, and microsatellite analyses) are detailed. Three additional chapters cover the rationale and methodology of molecular data analysis at both the population and interspecific levels, and provide information on using and obtaining the relevant computer programs (including the many programs available for free across the Internet). The chapter on phylogenetic analysis has been considerably expanded to include the latest developments in maximum likelihood analysis, spectral analysis, methods for reconstructing reticulating networks, corrections for compl

**Genre:** Science  
**Number of Pages:** 655  
**Language:** English  
**ISBN:** 9780878932825  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Monitoring amphibians in Great Smoky Mountains National Park**  
C. Kenneth Dodd


**Genre:** Nature  
**Number of Pages:** 118  
**Language:** English  
**ISBN:** 9780607934489  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Moral Issues**  
**Philosophical and Religious Perspectives**  
Gabriel Palmer-Fernandez

Prentice Hall (1996)

**Summary:**
A study of ethics incorporating both the philosophohical and religious perspectives against a discussion of moral issues. The book requires the students to examine their own postions on a range of moral issues and to provide reasons in support of those opinions through readings that emphasize the use of critical thinking skills as necessary to moral reasoning. The text includes introductions which pose the central question of the moral issues under consideration and review various responses in the readings as a means of aiding students to think critically about the issue under discussion.

**Genre:** Philosophy  
**Number of Pages:** 527  
**Language:** English  
**ISBN:** 9780138191450  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Morphology of Plants**  
Harold Charles Bold  
Harper & Row (1973)

**Summary:**  

**Genre:** Botany  
**Number of Pages:** 668  
**Language:** English  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Mountain kings**  
a collective natural history of California, Sonoran, Durango and Queretaro  
mountain kingsnakes  
Brian Hubbs  

**Genre:** California mountain kingsnake  
**Number of Pages:** 319  
**Language:** English  
**ISBN:** 9780975464106
Mountain nature
a seasonal natural history of the Southern Appalachians
Jennifer Frick-Ruppert
University of North Carolina Press (April 15, 2010)

Summary:
The Southern Appalachians are home to a breathtakingly diverse array of living things--from delicate orchids to carnivorous pitcher plants, from migrating butterflies to flying squirrels, and from brawny black bears to more species of salamander than anywhere else in the world. Mountain Nature is a lively and engaging account of the ecology of this remarkable region. It explores the animals and plants of the Southern Appalachians and the webs of interdependence that connect them. Within the region's roughly 35 million acres, extending from north Georgia through the Carolinas to northern Virginia, exists a mosaic of habitats, each fostering its own unique natural community. Stories of the animals and plants of the Southern Appalachians are intertwined with descriptions of the seasons, giving readers a glimpse into the interlinked rhythms of nature, from daily and yearly cycles to long-term geological changes. Residents and visitors to Great Smoky Mountains or Shenandoah National Parks, the Blue Ridge Parkway, or any of the national forests or other natural attractions within the region will welcome this appealing introduction to its ecological wonders.

Genre: Animal ecology - Appalachian Region, Southern
Number of Pages: 224
Language: English
ISBN: 9780807871164

Myth and Reality
Mircea Eliade

Genre: Religion
Number of Pages: 204
Language: English
ISBN: 9781577660095
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
This authoritative guide showcases the unmatched beauty and diversity of the native orchids of the southern Appalachian mountains. Based on Stanley Bentley's many years of nature study, it covers the 52 species—including one discovered by Bentley and named after him—found in a region encompassing western Virginia and North Carolina and eastern West Virginia, Kentucky, and Tennessee. The entry for each orchid provides the plant's scientific and common names, a description of the flower (including color, shape, and size), and information on the time of flowering, range, and typical habitat, all in the context of the southern mountains. A range map accompanies each description, and Bentley's own superb photographs are an additional aid to identification. Using straightforward language yet incorporating the most up-to-date scientific information and nomenclature, the book will be welcomed by amateur naturalists or professional botanists looking for species in the field and by those who simply enjoy photographs of beautiful wildflowers.

Genre: Gardening
Number of Pages: 235
Language: English
ISBN: 9780807825631
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
Summary:
"The reference source that biologists interested in West Indian herpetofauna have been waiting for."--Steven Reichling, curator, Memphis Zoo
"A state-of-the-art compendium. The West Indies is one of the hottest of the world's biodiversity hot spots and will continue to be a focus of ecological research, now invigorated by this definitive synthesis."--S. Blair Hedges, Pennsylvania State University

The West Indies have become a major focus for biologists and conservationists. Its herpetofauna is considered one of the richest and most vulnerable in the world. These fragile natural environments are home to many unique animals that occur only on these islands. Loss of habitat, development of scenic areas for a burgeoning tourist industry, and the introduction of invasive species have contributed to an already tenuous situation for many of the region's native species. This volume summarizes the natural history of each of the more than seven hundred species of frogs and reptiles that live in the West Indies. Sure to be the starting point for all future research on West Indian amphibians and reptiles, it will be an essential companion to the biologist contemplating or conducting research in the area.

Genre: Nature
Number of Pages: 495
Language: English
ISBN: 9780813033945
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 2, 2018
Tags: Office

Naturalist
Edward Osborne Wilson

Genre: Biography
Number of Pages: 380
ISBN: 9780446671996
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Nature Religion in America
From the Algonkian Indians to the New Age
Catherine L. Albanese

University of Chicago Press (September 24, 1991)

Summary:
Charts the multiple histories of American nature religion and explores the moral and spiritual responses the encounter with nature has provoked throughout American history. Traces the connections between movements and individuals. Includes figures from popular culture such as the Hutchinson Family Singers and Davy Crockett as well as Thomas Jefferson, Ralph Waldo Emerson, Henry David Thoreau and John Muir.

Genre: Body, Mind & Spirit
Number of Pages: 267
Language: English
ISBN: 9780226011462
**Nature's Strongholds**
The World's Great Wildlife Reserves
Laura Riley, William Riley

Summary:
Bengal tigers in the jungles of India. Birds of Paradise in the wilds of New Guinea. Penguins on frozen beaches in Antarctica. These and other charismatic and endangered species find homes within the world's great wildlife reserves. Only a few persons have had the opportunity to visit many of these wildlife sanctuaries and witness these magnificent animals firsthand. Now, for the first time, the splendor of the world's most impressive wildlife reserves is captured on the printed page in this gloriously illustrated book by naturalists Laura and Bill Riley. The Rileys, who received Pulitzer Prize nominations for their book on American wildlife refuges, spent ten years researching this book, visiting reserves on every continent. The 600 sanctuaries featured were chosen on the basis of exhaustive on-scene reports, interviews, and personal experiences. From Ecuador's Gálapagos Islands to Tanzania's renowned Serengeti, they represent the last places on earth where the natural world remains intact. Some of the reserves are as large as European countries, others the size of small farms. Many are growing as people everywhere become aware of their beauty and importance. The book includes information on each sanctuary's historical and ecological significance, details about how to visit and what to see, and a comprehensive index for locating individual species. A feast for the eyes, Nature's Strongholds offers a magical excursion into these majestic-and seldom seen-paradises. Anyone who has ever dreamed of taking such a journey will long to have this book.

Includes:
- 150 color photographs
- Information on each reserve's historical and ecological significance
- Details on best times to visit as well as monthly temperature and rainfall descriptions
- 75 detailed maps

**Neither Gods Nor Beasts**
How Science is Changing who We Think We are
Elof Axel Carlson
CSHL Press (2008)

Summary:
"Being full human requires the union of values and a science-based awareness of who we are. Human nature is not just words and ideas debated back and forth by theologians and philosophers who lived centuries or millennia ago. Human nature is the realization that humans have evolved a self-awareness, a use of reason to survive, an imagination that gives us values allowing us to live together, an empathy to understand the triumphs and tragedies others experience, and the potential to be creative. We maintain our dreams and ideals while we raise our families and invest hopes in our future as an ever-vulnerable species, stumbling over our errors, ignorance, and prejudices, but enjoying our capability to visit the moon and neighboring planets, describe the double helix of DNA, produce theories of relativity and the quantum atom, and compose Beethoven's Ninth Symphony, Dostoevsky's Crime and Punishment, Van Gogh's Starry Night, Michelangelo's David, and Plato's Apology"—Reverso de cubierta.

**Genre:** Philosophy

**Number of Pages:** 179

**Language:** English

**ISBN:** 9780879697860

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Non Violent Communication**

Marshall B. Rosenberg

Independent Publishing Group (2015)

[5 stars]

**Summary:**
What is Violent Communication? If "violent" means acting in ways that result in hurt or harm, then much of how we communicate—judging others, bullying, having racial bias, blaming, finger pointing, discriminating, speaking without listening, criticizing others or ourselves, name-calling, reacting when angry, using political rhetoric, being defensive or judging who's "good/bad" or what's "right/wrong" with people—could indeed be called "violent communication." What is Nonviolent Communication? Nonviolent Communication is the integration of four things: - Consciousness: a set of principles that support living a life of compassion, collaboration, courage, and authenticity - Language: understanding how words contribute to connection or distance - Communication: knowing how to ask for what we want, how to hear others even in disagreement, and how to move toward solutions that work for all - Means of influence: sharing "power with others" rather than using "power over others" Nonviolent Communication serves our desire to do three things: - Increase our ability to live with choice, meaning, and connection - Connect empathically with self and others to have more satisfying relationships - Sharing of resources so everyone is able to benefit

**Genre:** Psychology

**Number of Pages:** 264

**Language:** English

**ISBN:** 9781892005281

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
Summary:
Aquarium hobbyists with do-it-yourself instincts and aptitudes will learn how to go directly to streams and brooks to find fish for their home tanks. The book includes information on setting up a tank and bringing the fish home safely, plus feeding, diseases, and home breeding. More than 80 fish species are highlighted. 100+ color photos.

Genre: Nature
Number of Pages: 169
Language: English
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
More than eighty years after the Scopes trial, creationism is alive and well. Through local school boards, sympathetic politicians, and well-funded organizations, a strong movement has developed to encourage the teaching of the latest incarnation of creationism—intelligent design—as a scientifically credible theory alongside evolution in science classes. Although intelligent design suffered a serious defeat in the recent Kitzmiller v. Dover trial, its proponents are bound to continue their assault on evolution education. Now, in Not in Our Classrooms, parents and teachers, as well as other concerned citizens, have a much-needed tool to use in the argument against teaching intelligent design as science. Where did the concept of intelligent design originate? How does it connect with, and conflict with, various religious beliefs? Should we teach the controversy itself in our science classrooms? In clear and lively essays, a team of experts answers these questions and many more, describing the history of the intelligent design movement and the lack of scientific support for its claims. Most importantly, the contributors—authorities on the scientific, legal, educational, and theological problems of intelligent design—speak specifically to teachers and parents about the need to defend the integrity of science education by keeping intelligent design out of science curriculums. A concluding chapter offers concrete advice for those seeking to defend the teaching of evolution in their own communities. Not in Our Classrooms is essential reading for anyone concerned about defending the teaching of evolution, uncompromised by religiously motivated pseudoscience, in the classrooms of our public schools. "The book you have in your hands is an excellent resource to deal with the attack on evolution, which is a surrogate, and indeed a wedge, for a wide-ranging crusade against the scientific integrity of the public education system in America."—Rev. Barry W. Lynn, from the Foreword "The future of our species probably depends on science education and our understanding of the natural world. If you're concerned about science literacy, read this book."—Bill Nye the Science Guy®...we are in the midst of a struggle to preserve sound science education...It is crucial to resist such pressure, whether it comes from parents, community groups, administrators, or school board members. Reading this book is a good start."—Howard Good, Teacher Magazine "Not in Our Classrooms makes its case well, underscoring the fatuousness of creationist science on every level: constitutional, educational and scientific...At its core, the evolution "debate" is a local one, and it's at that level that the daily battles happen. Thanks to this collection, winning them might become a little easier."—Washington Monthly, review in the January/February issue "In Not in Our Classrooms Beacon Press has provided the indispensable tool for combating this grave threat to science and science education... This important book cannot be recommended too highly."—Voice of Reason: The Journal of Americans for Religious Liberty, review in the No. 4 2006 issue "This book provides substantial background information and perspective...such information and analysis can only help social justice educators."—Rethinking Schools, review in the Winter issue "It is a welcome and recommended addition to a library of materials that strengthen and enlighten science instruction in the era of a narrowly defined theism in the United States today...recommended for teachers, citizens, and policymakers."—National Science Teachers Association "For teachers, school boards, and citizens who are interested in learning about intelligent design (ID) creationism and counteracting it, this book is a vital resource."—Teachers College Record Eugenie C. Scott and Glenn Branch are the executive director and the deputy director of the National Center for Science Education, a nonprofit organization in Oakland, California, that defends the teaching of evolution in the public schools. Scott's Evolution vs. Creationism: An Introduction was named an Outstanding Academic Title of 2005 by Choice. Since 1992 the Reverend Barry W. Lynn, a minister in the United Church of Christ, has served as executive director of Americans United for Separation of Church and State.
In Of Golden Toads and Serpents’ Roads, readers are invited to join a seasoned researcher as he “goes herping.” After nearly twenty years of traveling around the globe searching for toads, frogs, salamanders, snakes, lizards, and turtles, herpetologist Paul Freed pauses to tell stories of his adventures while finding and collecting reptiles and amphibians, from the tropics of Costa Rica to the deserts of Namibia. Whether confronting scorpions, beefworms, army ants, or venomous snakes, Freed conveys a contagious enthusiasm for the outdoors and all that lives in it. With humor and gratitude, he embraces both the hardships and the rewards of being in the field. His tales of discovery are also travel stories, and by sharing the experiences of his trips across the globe—the successful ones and those not so successful—Freed encourages the adventurer in all of us. As he ponders on a writhing knot of golden toads—a species that may now be extinct—or the twitching blue tail broken from a girdled lizard, Freed introduces conservation issues particular to specific locales and those shared across the global village. Through his experiences, readers learn a variety of exotic wildlife collection techniques, some of which represent ingenious improvising, under hazardous conditions, and some of which are downright humorous. They share the excitement of scientific discoveries, the thrill of international travel to remote and fascinating regions, and the opportunity to encounter both rare and abundant wildlife in its natural habitats. Armchair naturalists, amateur herpers, and people interested in exotic travel, ecotourism, and scientific adventure will find this book just as appealing and informative as will professional and academic herpetologists.

Genre: Nature

Number of Pages: 190
Language: English
ISBN: 9781585442713
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Of Wolves and Men
Barry Lopez

Open Road Media (May 31, 2016)

Summary:
National Book Award Finalist: A “brilliant” study of the science and mythology of the wolf by the New York Times–bestselling author of Arctic Dreams (The Washington Post). When John Fowles reviewed Of Wolves and Men, he called it “A remarkable book, both biologically absorbing and humanly rich, and one that should be read by every concerned American.” In this National Book Award–shortlisted work, literary master Barry Lopez guides us through the world of the wolf and our often-mistaken perceptions of another species’ place on our shared planet. Throughout the centuries, the wolf has been a figure of fascination and mystery, and a major motif in literature and myth. Inspiring fear and respect, the creature has long exerted a powerful influence on the human imagination. Of Wolves and Men takes the reader into the world of the Canis lupus and its relationship to humankind through the ages. Lopez draws on science, history, mythology, and his own field research to present a compelling portrait of wolves both real and imagined, dispelling our fear of them while celebrating their place in our history, legends, and hearts. This ebook features an illustrated biography of Barry Lopez including rare images and never-before-seen documents from the author’s personal collection.

Genre: Nature

Number of Pages: 320
Language: English
ISBN: 9781480409156
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
On Human Nature
Edward Osborne Wilson
Harvard University Press (October 15, 1988)

On Land and Sea
Native American Uses of Biological Resources in the West Indies
Lee A. Newsom, Elizabeth S. Wing
University of Alabama Press (May 3, 2004)

Summary:
During the vast stretches of early geologic time, the islands of the Caribbean archipelago separated from continental land masses, rose and sank many times, merged with and broke from other land masses, and then by the mid-Cenozoic period settled into the current pattern known today. By the time Native Americans arrived, the islands had developed complex, stable ecosystems. The actions these first colonists took on the landscape—timber clearing, cultivation, animal hunting and domestication, fishing and exploitation of reef species—affected fragile land and sea biotic communities in both beneficial and harmful ways. On Land and Sea examines the condition of biosystems on Caribbean islands at the time of colonization, human interactions with those systems through time, and the current state of biological resources in the West Indies. Drawing on a massive data set collected from long-term archaeological research, the study reconstructs past lifeways on these small tropical islands. The work presents a wide range of information, including types of fuel and construction timber used by inhabitants, cooking techniques for various shellfish, availability and use of medicinal and ritual plants, the effects on native plants and animals of cultivation and domestication, and diet and nutrition of native populations. The islands of the Caribbean basin continue to be actively excavated and studied in the quest to understand the earliest human inhabitants of the New World. This comprehensive work will ground current and future studies and will be valuable to archaeologists, anthropologists, botanists, ecologists, Caribbeanists, Latin American historians, and anyone studying similar island environments.

Genre: History
Number of Pages: 323
Language: English
ISBN: 9780817313159
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
Summary:
The story of two generations of scientific explorers in South America—Richard Evans Schultes and his protégé Wade Davis—an epic tale of adventure and a compelling work of natural history. In 1941, Professor Richard Evan Schultes took a leave from Harvard and disappeared into the Amazon, where he spent the next twelve years mapping uncharted rivers and living among dozens of Indian tribes. In the 1970s, he sent two prize students, Tim Plowman and Wade Davis, to follow in his footsteps and unveil the botanical secrets of coca, the notorious source of cocaine, a sacred plant known to the Inca as the Divine Leaf of Immortality. A stunning account of adventure and discovery, betrayal and destruction, One River is a story of two generations of explorers drawn together by the transcendent knowledge of Indian peoples, the visionary realms of the shaman, and the extraordinary plants that sustain all life in a forest that once stood immense and inviolable.

Genre: Social Science
Number of Pages: 544
Language: English
ISBN: 9780684834962
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
This bestseller helps readers master basic skills with its clear and easy-to-follow presentation of key concepts. It focuses on the important ideas of organic chemistry and backs them up with illustrations and challenging problems. The authors’ acclaimed writing style makes this thorny subject easy to grasp and comprehend. The new edition brings the book to the forefront of the latest research developments. The book includes the ORGANIC VIEW CD, a browser-based study tool with animated 3D graphics, Drill/Review sections, and Practice Tests "The Chemistry of..." boxes throughout highlight biological and other real-world chemistry. This edition is completely up-to-date with the latest developments in the field.

Genre: Chemistry, Organic
Number of Pages: 1,344
Language: English
ISBN: 9780471417996
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
It is now abundantly clear that we have at our fingertips all of the tools we need to solve the climate crisis. The only missing ingredient is collective will. Properly understood, the climate crisis is an unparalleled opportunity to finally and effectively address many persistent causes of suffering and misery that have long been neglected, and to transform the prospects of future generations, giving them a chance to live healthier, more prosperous lives as they continue their pursuit of happiness. Our Choice gathers in one place all of the most effective solutions that are available now and that, together, will solve this crisis. It is meant to depoliticize the issue as much as possible and inspire readers to take action—not only on an individual basis but as participants in the political processes by which every country, and the world as a whole, makes the choice that now confronts us. There is an old African proverb that says, "If you want to go quickly, go alone; if you want to go far, go together." We have to go far, quickly. We can solve the climate crisis. It will be hard, to be sure, but if we can make the choice to solve it, I have no doubt whatsoever that we can and will succeed. —AL GORE, from the introduction

Genre: Nature
Number of Pages: 416
Language: English
ISBN: 9781594867347
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
A stunning work of narrative nonfiction that asks: what is natural? Now as never before, exotic animals and plants are crossing the globe, borne on the swelling tide of human traffic to places where nature never intended them to be. Bird-eating snakes from Australia hitchhike to Hawaii in the landing gear of airliners; disruptive European zebra mussels, riding in ships' ballast water, are infiltrating aquatic ecosystems across the United States; parasitic flies from the U.S. prey on Darwin's finches in the Galapagos. Predatory American jellyfish in Russia; toxic Japanese plankton in Australia; Burmese pythons in the Everglades—biologists refer fearfully to "the homogenization of the world" as alien species jump from place to place and increasingly crowd native and endangered species out of existence. Never mind bulldozers and pesticides: the fastest-growing threat to biological diversity may be nature itself. "Out of Eden" is a journey through this strange and shifting landscape. The author tours the front lines of ecological invasion—in Hawaii, Tasmania, Guam, San Francisco; in lush rainforests, through underground lava tubes, on the deck of an Alaska-bound oil tanker—in the company of world-class scientists. Wry and reflective, animated and richly reported, "Out of Eden" is a search both for scientific answers and for ecological authenticity.

**Paleogeography and Geological History of Greater Antilles**

K. M. Khudoley, Arthur Augustus Meyerhoff

Geological Society of America (1971)

**Genre:** Geology  
**Number of Pages:** 199  
**Language:** English  
**ISBN:** 9780813711294  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 12, 2018  
**Tags:** Office

**Photo Atlas for General Biology**

Darrell S Vodopich, Dennis Strete

McGraw-Hill Education (March 11, 2014)

**Summary:**
The Photo Atlas for General Biology is an excellent source of supplemental information for laboratory and lectures in biology, botany and zoology courses. The atlas provides insight into living organisms that abound all around us but we seldom have the opportunity to study on a gross or microscopic level. New and updated images have been incorporated into this latest edition.  
**Genre:** Science  
**Number of Pages:** 288  
**Language:** English
Photographing Nature

Time Life

PHYLOGENETIC ANALYSIS MORPHOLOGY

WIENS JOHN J

Smithsonian (June 17, 2000)

Summary:
Biologists, some with specialties, and a paleontologist summarize research on selected topics relating to using a phylogenetic framework to understand how plants and animals, their traits, and interactions between species evolve. The eight studies are from the 1996 symposium Morphological Data in Phylogenetic Analysis: Recent Progress and Unresolved Problems, held in St. Louis, Missouri. Annotation copyrighted by Book News, Inc., Portland, OR

Genre: Science

Number of Pages: 220

Language: English

ISBN: 9781560988410

Reading Status: Finished

Date Finished: November 19, 2018

Date Added: November 19, 2018

Tags: Office

Phylogenetic Comparative Methods

Learning from Trees

Luke J. Harmon

CreateSpace Independent Publishing Platform (May 23, 2018)
Phylogenetic Trees Made Easy
A How-To Manual
Barry G. Hall
Sinauer (July 7, 2011)

Summary:
Reflecting new software updates, and with more advanced topics, the Fourth Edition helps the student create phylogenetic trees from protein or nucleic acid sequence data. The reader is taken step-by-step from identifying the sequences required, to drawing the tree for presentation to an intended audience.

Genre: Science
Number of Pages: 282
Language: English
ISBN: 9780878936069
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Phylogenetic Trees Made Easy: CD ROM
Barry G. Hall

Number of Pages: 221
Language: English
ISBN: 9780878933129
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Phylogenomic Data Acquisition
Principles and Practice
W. Bryan Jennings

CRC Press (December 12, 2016)

Summary:
Phylogenomics is a rapidly growing field of study concerned with using genome-wide data—usually in the form of DNA sequence loci—to infer the evolution of genes, genomes, and the Tree of Life. Accordingly, this discipline connects many areas in biology including molecular and genomic evolution, systems biology, molecular systematics, phylogeography, conservation genetics, DNA barcoding, and others. With the advent of Next Generation Sequencing in addition to advances in computer hardware and software over the past decade, researchers can now generate unparalleled phylogenomic datasets that are helping to illuminate many areas in the life sciences. This book is an introduction to the principles and practices of gathering these data. Phylogenomic Data Acquisition: Principles and Practice is intended for a broad cross-section of biologists and anyone else interested in learning how to obtain phylogenomic data using the latest methods.

Genre: Science
Number of Pages: 232
Language: English
ISBN: 9781351722230
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

Phylogeography
The History and Formation of Species
John C. Avise, Distinguished Professor Ecology & Evolutionary Biology John C Avise, Ph.D.

Harvard University Press (2000)

Summary:
Phylogeography is a discipline concerned with various relationships between gene genealogies—phylogenetics—and geography. The word "phylogeography" was coined in 1987, and since then the scientific literature has reflected an exploding interest in the topic. Yet, to date, no book-length treatment of this emerging field has appeared. Phylogeography: The History and Formation of Species fills that gap. The study of phylogeography grew out of the observation that mitochondrial DNA lineages in natural populations often display distinct geographic orientations. In recent years, the field has expanded to include assessments of nuclear as well as cytoplasmic genomes and the relationships among gene trees, population demography, and organismal history, often formalized as coalescent theory. Phylogeography has connections to molecular evolutionary genetics, natural history, population biology, paleontology, historical geography, and speciation analysis. Phylogeography captures the conceptual and empirical richness of the field, and also the sense of genuine innovation that phylogeographic perspectives have brought to evolutionary studies. This book will be essential reading for graduate students and professionals in evolutionary biology and ecology as well as for anyone interested in the emergence of this new and integrative discipline.

Genre: Science
Number of Pages: 447
Language: English
ISBN: 9780674666382
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Pocket Guide To Kansas Snakes
Collins

Summary:

Population Biology
Concepts and Models
Alan Hastings

Summary:

Practical Computing for Biologists
Steven H.D. Haddock, Casey W. Dunn

Summary:
To help with the increasingly large data sets that many scientists deal with, this book illustrates how to use many freely available computing tools to work more powerfully and effectively. The book was born out of the authors’ experiences developing tools for their research and to fix other biologist’s computational problems.

Genre: Medical
Number of Pages: 538
Language: English
ISBN: 9780878933914
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

Practical Statistics for Field Biology
Jim Fowler, Lou Cohen, Phil Jarvis

Wiley (July 14, 1998)

Summary:
Provides an excellent introductory text for students on the principles and methods of statistical analysis in the life sciences, helping them choose and analyse statistical tests for their own problems and present their findings. An understanding of statistical principles and methods is essential for any scientist but is particularly important for those in the life sciences. The field biologist faces very particular problems and challenges with statistics as "real-life" situations such as collecting insects with a sweep net or counting seagulls on a cliff face can hardly be expected to be as reliable or controllable as a laboratory-based experiment. Acknowledging the peculiarities of field-based data and its interpretation, this book provides a superb introduction to statistical analysis helping students relate to their particular and often diverse data with confidence and ease. To enhance the usefulness of this book, the new edition incorporates the more advanced method of multivariate analysis, introducing the nature of multivariate problems and describing the techniques of principal components analysis, cluster analysis and discriminant analysis which are all applied to biological examples. An appendix detailing the statistical computing packages available has also been included. It will be extremely useful to undergraduates studying ecology, biology, and earth and environmental sciences and of interest to postgraduates who are not familiar with the application of multivariate techniques and practising field biologists working in these areas.

Genre: Mathematics
Number of Pages: 259
Language: English
ISBN: 9780471982951
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Precious Heritage
The Status of Biodiversity in the United States
Nature Conservancy (U.S.)

Oxford University Press, USA (March 16, 2000)

Summary:
From the lush forests of Appalachia to the frozen tundra of Alaska, and from the tallgrass prairies of the Midwest to the subtropical rainforests of Hawaii, the United States harbors a remarkable array of ecosystems. These ecosystems in turn sustain an exceptional variety of plant and animal life. For species such as salamanders and freshwater turtles, the United States ranks as the global center of diversity. Among the nation's other unique biological features are California's coast redwoods, the world's tallest trees, and Nevada's Devils Hole pupfish, which survives in a single ten-by-seventy-foot desert pool, the smallest range of any vertebrate animal. Precious Heritage draws together for the first time a quarter century of information on U.S. biodiversity developed by natural heritage programs from across the country. This richly illustrated volume not only documents those aspects of U.S. biodiversity that are particularly noteworthy, but also considers how our species and ecosystems are faring, what is threatening them, and what is needed to protect the nation's remaining natural heritage. Above all, Precious Heritage is a celebration of the extraordinary biological diversity of the United States.
Mitsuaki Iwago's gorgeous photographs of adorable endangered animals accompanied by Bradley Trevor Greive's impassioned plea for environmental consciousness and sprinkled with facts and figures on humans' steady corruption of the earth in Priceless. There may be no more effective argument against environmental devastation than gorgeous photographs of adorable endangered animals—and this book is packed with them, accompanied by heartfelt entreaties about the looming extinction of dozens of species. Australian author Bradley Trevor Greive writes an impassioned plea for environmental consciousness that glides between poetic ("you are the whole world, not just the space inside your clothes") and matter-of-fact ("It seems clear that our species is destined to be the cause of the sixth extinction"). The accompanying pictures by wildlife photographer Mitsuaki Iwago are captivating snapshots of disappearing animal worlds: a lion cub resting at sunset on the savanna, an elephant advancing across a plain while hundreds of white birds fly up before him. Greive and Iwago explore the interconnectedness and similarity of all life, but carefully avoid assigning human characteristics to the animals. And humans will reap what they sow, Greive warns: "Only now are we learning that just as we made life unbearable of the many delicate species we have lost, so too we are slowly but surely making this planet unsuitable to sustain even our own existence." Greive's simple, spare prose, which rarely measures more than a sentence or two per page, is sprinkled with facts and figures on humans' steady corruption of the earth. No reader will close the book unmoved by the beautiful, funny, and strange creatures in its pages. Amplifying this poignant call for action, Greive is donating all author proceeds from book sales to the Taronga Foundation, a wildlife conservation charity.

**Genre:** Nature

**Number of Pages:** 160

**Language:** English

**ISBN:** 9780740726958

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Primate Societies**

Barbara B. Smuts, Dorothy L. Cheney, Robert M. Seyfarth, Richard W. Wrangham

University of Chicago Press (May 15, 1987)

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**Summary:**

Primate Societies is a synthesis of the most current information on primate socioecology and its theoretical and empirical significance, spanning the disciplines of behavioral biology, ecology, anthropology, and psychology. It is a very rich source of ideas about other taxa. "A superb synthesis of knowledge about the social lives of non-human primates."—Alan Dixson, Nature

**Genre:** Nature

**Number of Pages:** 578

**Language:** English

**ISBN:** 9780226767161

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
Summary:
Principles of Conservation Biology, 3rd edition is a complete revision of the most comprehensive textbook on conservation biology. First published in 1994 the book is richly praised by reviewers, teachers, and students alike. Written by leading experts in the field, it is intended for use in conservation biology courses at the advanced undergraduate and graduate levels, as well as by researchers and practitioners. The text introduces the major themes and concepts of the diverse and dynamic field of conservation biology. The biological and social underpinnings of conservation problems and potential solutions are interwoven throughout the book. Guest essays and case studies provide a diversity of perspectives and real world examples add insight and provoke discussion. The 3rd edition features a wholly revised organization, emphasizing both analyses of different categories of threat and approaches to conservation. Coverage has been expanded to emphasize both terrestrial and marine conservation issues, and efforts in the US and across the globe. The book is richly illustrated, and chapters are complemented with annotated reading lists and questions designed to stimulate thought and class discussions.

Genre: Nature
Number of Pages: 779
Language: English
ISBN: 9780878935185
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
What are the chances? Find out in this entertaining exploration of probabilities in our everyday lives. "If there is anything you want to know, or remind yourself, about probabilities, then look no further than this comprehensive, yet wittily written and enjoyable, compendium of how to apply probability calculations in real-world situations."—Keith Devlin, Stanford University, National Public Radio's "Math Guy" and author of The Math Gene and The Math Instinct

"A delightful guide to the sometimes counterintuitive discipline of probability. Olofsson points out major ideas here, explains classic puzzles there, and everywhere makes free use of witty vignettes to instruct and amuse."—John Allen Paulos, Temple University, author of Innumeracy and A Mathematician Reads the Newspaper

"Beautifully written, with fascinating examples and tidbits of information. Olofsson gently and persuasively shows us how to think clearly about the uncertainty that governs our lives."—John Haigh, University of Sussex, author of Taking Chances: Winning with Probability

From probable improbabilities to regular irregularities, Probabilities: The Little Numbers That Rule Our Lives investigates the often-surprising effects of risk and chance in our everyday lives. With examples ranging from WWII espionage to the O. J. Simpson trial, from bridge to blackjack, from Julius Caesar to Jerry Seinfeld, the reader is taught how to think straight in a world of randomness and uncertainty.

Throughout the book, readers learn:
- Why it is not that surprising for someone to win the lottery twice
- How a faulty probability calculation forced an innocent woman to spend three years in prison
- How to place bets if you absolutely insist on gambling
- How a newspaper turned an opinion poll into one of the greatest election blunders in history

Educational, eloquent, and entertaining, Probabilities: The Little Numbers That Rule Our Lives is the ideal companion for anyone who wants to obtain a better understanding of the mathematics of chance.

Genre: Mathematics

Number of Pages: 267
Language: English
ISBN: 9780470040010
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

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Quantitative Conservation of Vertebrates

Michael J. Conroy, John P. Carroll

Wiley (January 27, 2009)

Summary:
This book provides a hands-on introduction to the construction and application of models to studies of vertebrate distribution, abundance, and habitat. The book is aimed at field biologists, conservation planners, and advanced undergraduate and postgraduate students who are involved with planning and analyzing conservation studies, and applying the results to conservation decisions. The book also acts as a bridge to more advanced and mathematically challenging coverage in the wider literature.

Part I provides a basic background in population and community modeling. It introduces statistical models, and familiarizes the reader with important concepts in the design of monitoring and research programs. These programs provide the essential data that guide conservation decision making. Part II covers the principal methods used to estimate abundance, occupancy, demographic parameters, and community parameters, including occupancy sampling, sample counts, distance sampling, and capture-mark-recapture (for both closed and open populations). Emphasis is placed on practical aspects of designing and implementing field studies, and the proper analysis of data. Part III introduces structured decision making and adaptive management, in which predictive models are used to inform conservation decision makers on appropriate decisions in the face of uncertainty—with the goal of reducing uncertainty through monitoring and research. A detailed case study is used to illustrate each of these themes. Numerous worked examples and accompanying electronic material (on a website - http://www.blackwellpublishing.com/conroy - and accompanying CD) provide the details of model construction and application, and data analysis.

Genre: Nature

Number of Pages: 342
Language: English
ISBN: 9781405182287
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
The combination of Ikebana and haiku is a more than successful one. The similarities between the arts go far beyond their Japanese origins. The seductive simplicity of haiku, its subtleties and sparse use of words, its silences and depth of meaning, its rhythms and seasons... these are only some of the characteristics that haiku shares with Ikebana. Both Ikebana and haiku have the power to move people. They evoke emotions using material that has carefully been trimmed of the superfluous. Their minimalism is convincing and reveals the essence. They manage to hold our gaze and temporarily slow down our daily rhythm. Both Ikebana and haiku invite us to see more than what the visible world has to offer. Members of the centre for poetry in Ghent, led by Hedwig Aerts, made a selection of their favourite traditional haiku by master poets such as Basho, Issa and Shiki. On the occasion of this book, they also created some new personal haiku. Poetical Ikebana is the floral translation of these haiku, a collection of evocative floral design that stirs the senses and touches the heart.
Reason for Hope
A Spiritual Journey
Jane Goodall, Phillip Berman

Grand Central Publishing (October 1, 2000)

Summary:
From world-renowned scientist Jane Goodall, as seen in the new National Geographic documentary Jane, comes a poignant memoir about her spiritual epiphany and an appeal for why everyone can find a reason for hope. Dr. Jane Goodall's revolutionary study of chimpanzees in Tanzania's Gombe preserve forever altered the very, definition of humanity. Now, in a poignant and insightful memoir, Jane Goodall explores her extraordinary life and personal spiritual odyssey, with observations as profound as the knowledge she has brought back from the forest.

Genre: Biography & Autobiography
Number of Pages: 304
Language: English
ISBN: 9780446676137
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

Reef Coral Identification
Florida, Caribbean, Bahamas, Including Marine Plants
Paul Humann

New World Publications (1993)

Summary:
An accurate and practical source of information about corals. Maps, many color plates, basic information and appendix.

Genre: Identification
Number of Pages: 239
Language: English
ISBN: 9781878348036
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Reef Creature Identification
Florida, Caribbean, Bahamas
Paul Humann
New World Publications (1992)

Summary:
A guide designed to help people identify various types of underwater reef creatures, including anemones, crabs, feather stars, hermit crabs, jellyfish, and squid.
Number of Pages: 320
Language: English
ISBN: 9781878348012
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Reef Fish Behavior
Florida, Caribbean, Bahamas
Ned DeLoach
New World Publications (January 1, 1999)

Summary:
This groundbreaking text offers underwater naturalists a detailed overview of what is presently known about the behavior and ecology of reef fishes inhabiting the waters of Florida, the Caribbean and Bahamas. It also serves as a companion reference to our popular Reef Fish Identification. The enjoyable fact-filled text is lavishly illustrated with 475 marine life photos, many capturing spectacular fish behaviors never before documented. Readers not only learn about the nature of the fishes sighted on every reef dive, but also learn when and where to observe the dramatic behaviors. 364 pages, 6” x 9,” flexibinding.
Genre: Nature
Number of Pages: 359
Language: English
ISBN: 9781878348289
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Reef Fish Identification
Baja to Panama
Paul Humann, Ned DeLoach
New World (January 1, 2004)

Summary:
The latest edition in the popular Paul Humann series of marine life books. The most comprehensive field guide ever compiled for identifying reef fishes from the Gulf of California to the Pacific coast of Panama, including offshore islands. More than 500 photographs of 400 species taken in their natural habitat. The book is dedicated to Baja Legend Alex Kerstitch and includes several of his drawings and photographs. The concise text accompanying each species portrait includes the fish's common, scientific and family names, size range, description, visually distinctive features, preferred habitat, typical behavior, depth range, and geographical distribution.

Genre: Nature
Number of Pages: 343
Language: English
ISBN: 9781878348388
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Reef Fish Identification
Tropical Pacific
Roger Steene
New World Publications (2003)

Summary:
Finally, a comprehensive fish identification guide covering the fish-rich reefs of the Pacific. 2,500 underwater photographs of 2,000 species from four of the best marine life authors/photographers in the business. Their collaboration makes it possible for underwater naturalists to identify fishes from Thailand to Tahiti with a single, compact, easy-to-use, no-nonsense reference. 108 fish families are presented in one of 20 Identification groups based on a family's related visual or behavioural characteristics, such as Large Oval / Colourful or Sand/Burrow Dwellers. Likewise, every effort has been made to group similar appearing species together.

Genre: Nature
Number of Pages: 457
Language: English
ISBN: 9781878348364
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**Reef Fishes of the Indian Ocean**

A Pictorial Guide to the Common Reef Fishes of the Indian Ocean

Gerald R. Allen, Roger C. Steene

T.F.H. Publications (June 1, 1987)

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**Summary:**
On t.p.: A pictorial guide to the common reef fishes of the Indian Ocean. Identifies common reef fishes and covers feeding habits, breeding and other topics.

**Genre:** Nature

**Number of Pages:** 240

**Language:** English

**ISBN:** 9780866223867

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Reptile Biodiversity**

Standard Methods for Inventory and Monitoring

Roy W. McDiarmid, Mercedes S. Foster, Craig Guyer, Neil Chernoff, J. Whitfield Gibbons

University of California Press (2012)

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**Summary:**
From tiny, burrowing lizards to rainforest canopy-dwellers and giant crocodiles, reptile populations everywhere are changing. Yet government and conservation groups are often forced to make important decisions about reptile conservation and management based on inadequate or incomplete data. With contributions from nearly seventy specialists, this volume offers a comprehensive guide to the best methods for carrying out standardized quantitative and qualitative surveys of reptiles, while maximizing comparability of data between sites, across habitats and taxa, and over time. The contributors discuss each method, provide detailed protocols for its implementation, and suggest ways to analyze the data, making this volume an essential resource for monitoring and inventorying reptile abundance, population status, and biodiversity. Reptile Biodiversity covers topics including:

- terrestrial, marine, and aquatic reptiles
- equipment recommendations and limitations
- ethics of monitoring and inventory activities
- statistical procedures
- designing sampling programs
- using PDAs in the field

**Genre:** Nature

**Number of Pages:** 412

**Language:** English

**ISBN:** 9780520266711

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 12, 2018

**Tags:** Office
Reptiles & amphibians of the Smokies
Stephen G. Tilley
Great Smoky Mountains Natural History Association (2001)

Number of Pages: 143
ISBN: 9789372073065
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
This lightweight and portable guide covers the 150 reptiles and 80 amphibians you are most likely to encounter across the five countries of East Africa--Kenya, Tanzania, Uganda, Rwanda, and Burundi. Encompassing a wealth of landscapes rare in tropical Africa, from deserts to rain forests to snow-capped mountains, this vast region is home to such famous national parks and game reserves as the Serengeti and the Selous in Tanzania and the Tsavo and the Maro in Kenya. Here you will find a corresponding wealth of secretive yet often unwittingly conspicuous tortoises, lizards, crocodiles, snakes, and frogs. Reptiles and Amphibians of East Africa offers concise and accessible, identification-oriented text, color photographs, and color distribution maps for each species. Distilled and adapted in part from the highly acclaimed A Field Guide to the Reptiles of East Africa by the same authors, this new guide is pocket-size, easy to use, and affordably priced. Reptiles and Amphibians of East Africa is an indispensable resource for any ecotourist, anyone on safari, and even the casual visitor to the region, all of whom will see many of these species without even hunting for them.

Genre: Nature
Number of Pages: 240
Language: English
ISBN: 9780691128849
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
This book is intended primarily as a field guide to the one hundred or so species of reptiles and amphibians that occur on the islands of the Eastern Caribbean, from Anguilla and Sombrero in the north to Grenada in the south. It is hoped that Reptiles & Amphibians of the Eastern Caribbean will provide an introduction to the biology of these animals for the non-specialist. This book will also be of interest to both amateur and professional herpetologists as it provides a synthesis of the latest scientific finding, including over a decade of research into the evolutionary ecology of reptiles in these islands by the authors themselves.

Genre: Nature
Number of Pages: 134
Language: English
ISBN: 9780333691410
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
Based on more than twenty years of research in the field and in museum collections, Reptiles of North Carolina is the definitive work on the 71 reptile species found in the state. It is an indispensable resource for herpetologists, zoologists, ecologists, and wildlife managers, and it will be enjoyed by amateur naturalists as well. For each species the authors offer a description that includes characteristics useful in distinguishing the species from similar ones and information on the variation, distribution, and natural history of the species in the state. Each account is accompanied by a range map and at least one detailed drawing that shows characteristics important for identification. A section of color photographs aids in identification of reptiles.

Genre: Nature
Number of Pages: 412
Language: English
ISBN: 9780807821589
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
For ecologist John Terborgh, Manu National Park in the rainforest of Peru is a second home; he has spent half of each of the past twenty-five years there conducting research. Like all parks, Manu is assumed to provide inviolate protection to nature. Yet even there, in one of the most remote corners of the planet, Terborgh has been witness to the relentless onslaught of civilization. Seeing the steady destruction of irreplaceable habitat has been a startling and disturbing experience for Terborgh, one that has raised urgent questions: Is enough being done to protect nature? Are current conservation efforts succeeding? What could be done differently? What should be done differently? In Requiem for Nature, he offers brutally honest answers to those difficult questions, and appraises the prospects for the future of tropical conservation. His book is a clarion call for anyone who cares about the quality of the natural world we will leave our children. Terborgh examines current conservation strategies and considers the shortcomings of parks and protected areas both from ecological and institutional perspectives. He explains how seemingly pristine environments can gradually degrade, and describes the difficult social context—a debilitating combination of poverty, corruption, abuses of power, political instability, and a frenzied scramble for quick riches—in which tropical conservation must take place. He considers the significant challenges facing existing parks and examines problems inherent in alternative approaches, such as ecotourism, the exploitation of nontimber forest products, "sustainable use," and "sustainable development." Throughout, Terborgh argues that the greatest challenges of conservation are not scientific, but are social, economic, and political, and that success will require simultaneous progress on all fronts. He makes a compelling case that nature can be saved, but only if good science and strong institutions can be thoughtfully combined.

Genre: Protected areas
Number of Pages: 246
Language: English
ISBN: 9781559635882
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Stephen Jay Gould sheds new light on a dilemma that has plagued thinking people since the Renaissance. Instead of choosing between science and religion, Gould asks, why not opt for a golden mean that accords dignity and distinction to each realm? At the heart of Gould's penetrating argument is a lucid, contemporary principle he calls NOMA (for nonoverlapping magisteria) - a "blessedly simple and entirely conventional resolution" that allows science and religion to coexist peacefully in a position of respectful noninterference. Science defines the natural world; religion, our moral world, in recognition of their separate spheres of influence.

Genre: Philosophy
Number of Pages: 241
Language: English
ISBN: 9780345430090
**Rosy Boas, Patterns in Time**
Randy Limburg, Gerold Merker, Bob Montoya

**Salamanders of the Southeast**
Joseph C. Mitchell, J. Whitfield Gibbons
University of Georgia Press (2010)

**Summary:**
Describing 102 species of salamanders occurring in the southeastern United States, ecologists Joe Mitchell and Whit Gibbons provide us with the most comprehensive and authoritative, yet accessible and fun-to-read, guide to these often secretive, always fascinating wonders of nature. Mitchell and Gibbons enumerate the distinguishing characteristics of salamanders, including how they are different from other amphibians and from reptiles, especially lizards. Also discussed are distribution, habitat, behavior and activity, reproduction, food and feeding, predators and defense, conservation, and taxonomy. Accompanying each account are photographs illustrating typical adults and variations and distribution maps for the Southeast and the United States. Given that 17 percent of the world's species of salamanders live in the Southeast and the scientific and popular concern for the worldwide decline in amphibian populations in general, Salamanders of the Southeast will appeal to people of all ages and levels of knowledge interested in natural history and conservation. The guide will help foster the growing interest in salamanders as well as cultivate a desire to protect and conserve these fascinating amphibians and their habitats. Features: Conservation-oriented approach More than 400 color photographs 77 distribution maps Clear descriptions and photographs of each species Sections on biology, worldwide diversity, identification, taxonomy, habitats, and conservation “Did You Know?” sidebars of interesting facts

**Genre:** Nature
Summary:
Secretive, nocturnal, and little known, salamanders are often the most abundant vertebrates on the forest floor. This comprehensive volume, the first survey published since 1943, describes the ecology, evolution, biodiversity, behavior, and natural history of 127 recognized species of salamanders found in the United States and Canada, from newts and sirens to waterdogs and hellbenders. Drawing on more than 2,100 research publications, the book includes detailed life history accounts, nearly 500 color and black-and-white photographs, identification keys for larvae as well as adults, and up-to-date distribution maps. James W. Petranka presents a wealth of information on each species: identification, systematics, courtship and breeding, diet and predation, and the ecology of larval and adult stages are all described. He summarizes major patterns of geographic variation within species to emphasize differences between local and regional populations and to provide a realistic view of intraspecific life history diversity. With its comprehensive coverage and extensive references, this volume is an indispensable guide not only for herpetologists but also for teachers, naturalists, conservation biologists, environmental planners, and anyone who needs detailed information on the diverse salamander fauna of the United States and Canada.

Genre: Nature
Number of Pages: 587
Language: English
ISBN: 9781560988281
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Scientific and standard English names of amphibians and reptiles of North America north of Mexico, with comments regarding confidence in our understanding

Crother

Number of Pages: 92
ISBN: 9780916984854
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Scientific Integrity
An Introductory Text with Cases
Francis L Macrina
ASM Press (January 1, 2000)

Summary:
The first edition of this best selling title has been adopted at numerous institutions as a text for teaching responsible research conduct. Significantly revised and refined based on the experience gained from its use in the classroom, Scientific Integrity, 2nd edition once again is the definitive single source for teaching this important topic. All of the original chapters have been revised and updated and two new chapters have been added. Case studies parallel chapter content and illustrate the issues and dilemmas encountered by scientists conducting research. Designed to foster class discussion, case resolution requires students to use critical thinking as they integrate personal and professional ethical standards and apply them to solve the cases. Although the focus is directed at the biomedical and natural sciences, this book serves the needs of all instructors who wish to teach the essential core areas of research conduct in most fields of science. Its comprehensive content, relevant exercises, and useful appendixes make it an ideal text for both novice and experienced instructors.

Genre: Medical
Number of Pages: 338
Language: English
ISBN: 9781555811525
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Scientific Teaching
Jo Handelsman, Sarah Miller, Christine Pfund
Macmillan (2007)

Summary:
Seasoned classroom veterans, pre-tenured faculty, and neophyte teaching assistants alike will find this book invaluable. HHMI Professor Jo Handelsman and her colleagues at the Wisconsin Program for Scientific Teaching (WPST) have distilled key findings from education, learning, and cognitive psychology and translated them into six chapters of digestible research points and practical classroom examples. The recommendations have been tried and tested in the National Academies Summer Institute on Undergraduate Education in Biology and through the WPST. Scientific Teaching is not a prescription for better teaching. Rather, it encourages the reader to approach teaching in a way that captures the spirit and rigor of scientific research and to contribute to transforming how students learn science.

Genre: Education
Number of Pages: 208
Language: English
ISBN: 9781429201889
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Sea Change
A Message of the Oceans
Sylvia A. Earle
Fawcett Columbine (1996)

Summary:
Internationally renowned as the ambassador-at-large to the world's oceans, Sylvia Earle is an extraordinary woman--the former chief scientist of the National Oceanic and Atmospheric Administration, a distinguished marine biologist, a veteran of more than 6,000 hours underwater, the founder of an ocean engineering firm, and an eloquent advocate for marine conservation. Sea Change is at once the gripping adventure story of Earle's three decades of undersea exploration, an insider's introduction to the dynamic field of marine biology, and an urgent plea for the preservation of the world's fragile and rapidly deteriorating ocean ecosystems. Earle takes us along on journeys to places of unimaginable beauty and unutterable destruction. She conjures up the exhilaration of swimming with humpback whales off the coast of Maui; she makes us comprehend the true environmental tragedy of the massive oil spills in Prince William Sound and the Persian Gulf; and she leads us out into Australia's Great Barrier Reef, the epitome of ocean wilderness but also the final resting place for tons of waste that drift in from thousands of miles away. This brilliant, thought-provoking, superbly readable book will inspire a new reverence for the majesty of the world's oceans even as it opens our eyes to the intricate interdependence of all life-forms.

Genre: Business & Economics
Number of Pages: 361
Language: English
ISBN: 9780449910658
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Seashells Of North America
Abbott

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Seashore Animals of the Southeast
A Guide to Common Shallow-water Invertebrates of the Southeastern Atlantic Coast
Edward E. Ruppert, Richard S. Fox
University of South Carolina Press (1988)
Summary:
Seashore Plants of South Florida and the Caribbean is a complete source for information about which plants grow best in nearshore environments. It includes extensive characteristics of each plant, including: Form, flower and fruit date, Geographic distribution and habitat, Reproduction and propagation, Ornamental uses, Medicinal and toxic properties, including modern and folkloric beliefs and uses, Ecological aspects. This guide is a must-have for backyard gardeners and serious naturalists alike.

Genre: Nature
Number of Pages: 160
Language: English
ISBN: 9781561640560
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Serpientes de Costa Rica
distribución, taxonomía e historia natural
Alejandro Solórzano L.

Genre: Snakes
Number of Pages: 791
Language: Spanish
ISBN: 9789968927000
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Sexual Selection
Mate Choice and Courtship in Nature
James L. Gould
Scientific American Library (1997)

Summary:
A 'back to basics' discussion of sex and reproduction that explores what evolutionary advantages there are to sexual reproduction, why species vary so widely in their mating practices, and what larger functions these practices serve. How humans and other animals choose their mates is explored.
Genre: Sexual selection in animals
Number of Pages: 277
Language: English
ISBN: 9780716760184
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Shadows in the Forest
Japan and the Politics of Timber in Southeast Asia
Peter Dauvergne
MIT Press (1997)

Summary:
"1998 Winner of the International Studies Association's Harold and Margaret Sprout Award". "... sets out a wealth of documented detail that shows how we should be super-sceptical of 'official' business statistics. This is one of the most illuminating tropical forestry books of the last decade." -- Norman Myers

Peter Dauvergne developed the concept of a "shadow ecology" to assess the total environmental impact of one country on resource management in another country or area. Aspects of a shadow ecology include government aid and loans; corporate practices, investment, and technology transfers; and trade factors such as consumption, export and consumer prices, and import tariffs. In "Shadows in the Forest," Dauvergne examines Japan's effect on commercial timber management in Indonesia, East Malaysia, and the Philippines. Japan's shadow ecology has stimulated unsustainable logging, which in turn has triggered widespread deforestation. Although Japanese practices have improved somewhat since the early 1990s, corporate trade structures and purchasing patterns, timber prices, wasteful consumption, import tariffs, and the cumulative environmental effects of past practices continue to undermine sustainable forest management in Southeast Asia. This book is the first to analyze the environmental impact of Japanese trade, corporations, and aid on timber management in the context of Southeast Asian political economies. It is also one of the first comprehensive studies of why Southeast Asian states are unable to enforce forest policies and regulations. In particular, it highlights links between state officials and business leaders that reduce state funds, distort policies, and protect illegal and unsustainable loggers. More broadly, the book is one of the first to examine the environmental impact of Northeast Asian development on Southeast Asian resource management and to analyze the indirect environmental impact of bilateral state relations on the management of one Southern resource.

**Genre:** History

**Number of Pages:** 308

**Language:** English

**ISBN:** 9780262540872

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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Shark

Stanford-deitsch

★★★★★

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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Sharks of the Shallows

Coastal Species in Florida and the Bahamas

Jeffrey C. Carrier

JHU Press (July 28, 2017)

★★★★★

**Summary:**
Agile, sleek, and precise, sharks display many qualities we can admire and appreciate. These marvels of evolution have adapted to thrive in every major aquatic realm on the planet, from frigid Arctic waters through temperate but stormy seas and on into the tropics. However, few places on Earth are home to the amazing diversity of shark species that beautify the shallow waters of Florida and the Bahamas. In this first-ever book dedicated to the sharks of this region, biologist Jeffrey C. Carrier reveals the captivating lives of these large marine predators and describes how they have survived for over 400 million years. Guiding readers through basic biology, key attributes, and identification tips, the book explores what makes sharks such successful apex predators. Carrier explains fascinating phenomena, including the reason for the bizarre shape of the hammerhead, how a bull shark is able to swim hundreds of miles up freshwater rivers, what lies behind sharks’ remarkable capability to learn and remember, and why many scientists believe that they are equipped with the most sophisticated sensory systems in the animal kingdom. With the stunning full-color underwater photography of Andy Murch, Jillian Morris, and Duncan Brake, Sharks of the Shallows brings boaters, fishers, divers, and shark lovers directly alongside these unfairly maligned creatures. And not a moment too soon! Sharks are experiencing stresses unlike any in their long history, and are struggling to survive in a changing ocean. They will continue to grace our coastlines only if we care enough to understand them.

**Genre:** Science  
**Number of Pages:** 212  
**Language:** English  
**ISBN:** 9781421422947  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 12, 2018  
**Tags:** Office

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**Sibley backyard birding flashcards**  
100 common birds of eastern and western North America  
David Sibley  
Potter Style (2012)

ISBN: 9780307888976  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 12, 2018  
**Tags:** Office

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**Sibley Birds East**  
Field Guide to Birds of Eastern North America  
David Sibley  
Alfred A. Knopf (2016)

Summary:
COMPLETELY REVISED AND UPDATED: From renowned birder, illustrator, and New York Times best selling author David Sibley, the most authoritative guide to the birds of the East, in a portable format that is perfect for the field. Compact and comprehensive, this guide features 650 bird species, plus regional populations, found east of the Rocky Mountains. Entries include stunningly accurate illustrations—more than 4,601 in total—with descriptive captions pointing out the most important field marks. Each entry has been updated to include the most current information concerning frequency, nesting, behavior, food and feeding, voice description, and key identification features. Here too are more than 601 updated maps drawn from information contributed by 110 regional experts across the continent, and showing winter, summer, year-round, migration, and rare ranges. This new and improved edition includes: * Updated habitat, description, behavior, and conservation text for each species account and all family pages. * New and revised illustrations of species and regional forms. * New design featuring species accounts in columns, allowing for better comparison and more illustrations and text. * Current taxonomic order and up-to-date common names. * All maps revised to reflect the most current range information. * More species and rarities included.

**Genre:** Nature  
**Number of Pages:** 438  
**Language:** English  
**ISBN:** 9780307957917  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 12, 2018  
**Tags:** Office

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**Sibley's Birding Basics**  
David Sibley  
Alfred A. Knopf (2002)

**Summary:**

"I wrote and illustrated this book to help every inquisitive birder, from novice to expert. Whether you can identify six birds or six hundred, you'll be a better birder if you have a grounding in the real nuts and bolts of what birds look like, and your skills will be even sharper if you know exactly what to look for and how to record what you see." —David Allen Sibley The Sibley Guide to Birds and The Sibley Guide to Bird Life and Behavior are both universally acclaimed as the new standard source of species information. And now David Sibley, America’s premier birder and best-known bird artist, takes a new direction; in Sibley’s Birding Basics he is concerned not so much with species as with the general characteristics that influence the appearance of all birds and thus give us the clues to their identity. To create this guide, David Sibley thought through all the skills that enable him to identify a bird in the few instants it is visible to him. Now he shares that information, integrating an explanation of the identification process with many painted and drawn images of details (such as a feather) or concepts. Birding Basics begins by reviewing how one can get started as a birder: the equipment necessary, where and when to go birding, and perhaps most important, the essential things to look for when birds appear in the field. Using many illustrations, David Sibley reviews all the basic concepts of bird identification and then describes the variations (of shape, size, and color) that can change the appearance of a bird over time or in different settings. And he issues a warning about "illusions and other pitfalls"—and advice on avoiding them. The second part of the book, also plentifully illustrated, deals with another set of clues, the major aspects of avian life that differ from species to species: feathers (color, arrangement, shape, molt), behavior and habitat, and sounds. This scientifically precise, beautifully illustrated volume distills the essence of David Sibley’s own experience and skills, providing a solid introduction to “naming” the birds. With Sibley as your guide, when you learn how to interpret what the feathers, the anatomical structure, the sounds of a bird tell you—when you know the clues that show you why there’s no such thing as “just a duck”—birding will be more fun, and more meaningful. An essential addition to the Sibley shelf!

**Genre:** Nature  
**Number of Pages:** 154  
**Language:** English  
**ISBN:** 9780375709661  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 12, 2018  
**Tags:** Office
Summary:
With this reader-friendly book, it doesn't take an Einstein to understand the theory of relativity and its remarkable consequences. In clear, understandable terms, physicist Richard Wolfson explores the ideas at the heart of relativity and shows how they lead to such seeming absurdities as time travel, curved space, black holes, and new meaning for the idea of past and future. Drawing from years of teaching modern physics to nonscientists, Wolfson explains in a lively, conversational style the simple principles underlying Einstein's theory. Relativity, Wolfson shows, gave us a new view of space and time, opening the door to questions about their flexible nature: Is the universe finite or infinite? Will it expand forever or eventually collapse in a "big crunch"? Is time travel possible? What goes on inside a black hole? How does gravity really work? These questions at the forefront of twenty-first-century physics are all rooted in the profound and sweeping vision of Albert Einstein's early twentieth-century theory. Wolfson leads his readers on an intellectual journey that culminates in a universe made almost unimaginably rich by the principles that Einstein first discovered. 48 b/w illustrations.

Genre: Science
Number of Pages: 261
Language: English
ISBN: 9780393051544
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Snake Hunting Guide
Methods, Tools, and Techniques for Finding Snakes
Will Bird, Phil Peak
E. C. O. Herpetological Publishing & Distribution (January 1, 2007)

Number of Pages: 85
Language: English
ISBN: 9780978897932
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
This book, first published in 1987 and here reprinted with a new foreword by the authors has become a classic in the field of herpetology. In ecological and evolutionary research snakes occupy a unique niche. Studies of their adaptations and life histories have broad applications for the most basic questions in biology. This book fills the need for an up-to-date text/reference in the growing field of snake ecology and evolutionary biology. Here, in one volume is an extensive review of the biology of these fascinating reptiles, including topics such as zoogeography, fossil history, systematics, foraging and reproduction. With contributions from many leading herpetologists, the work is divided into sections on Systematics and Morphology, Methods and Techniques and Life History and Ecology. Each section summarizes what is known about these major fields of snake biology. This book serves the needs of those actively involved in research as well as the amateur naturalist and the beginning student. Dr. Richard A. Seigel became interested in herpetology while an undergraduate at Rutgers University, where he received his B.A. in Zoology and Physiology in 1977. He continued his work with amphibians and reptiles while getting his M.S. in Biological Sciences from the University of Central Florida in 1979 and his Ph.D. from the University of Kansas in 1984. He is currently Full Professor and Chair of the Department of Biological Sciences at Towson University in Maryland. Dr. Siegel's primary research interests are in the population ecology and conservation biology of amphibians and reptiles. He has published over 50 peer-reviewed papers and has co-authored or edited four texts on the ecology and biology of snakes. From 1993-2000, he was the Editor-in-Chief of the Journal of Herpetology, the largest international publication in its field. Joseph T. Collins has written more than 200 articles on reptiles, amphibians, and fishes throughout North America and twenty-three books, including: Peterson Field Guide to Reptiles and Amphibians of Eastern and Central North America Third Edition (with Roger Conant), Amphibians and Reptiles in Kansas Third Edition (with photographs by Suzanne L. Collins), Natural Kansas, An Illustrated Guide to Endangered or Threatened Species in Kansas, (with Suzanne L. Collins, Jerry Horak, Dan Mulhern, William H. Busby, Craig C. Freeman, and Gary Wallace), A Key to Amphibians and Reptiles of the Continental United States and Canada (with Robert Powell and Errol D. Hooper, Jr.). In 1978, Collins served as president of the Society for the Study of Amphibians and Reptiles, the leading international professional society in that field, as president of the Kansas Association of Biology Teachers (1980-1981) and as president of the Kansas Herpetological Society. He was a distinguished delegate to the First World Congress of Herpetology at Canterbury, England in 1989, and was made a Distinguished Life Member of the Kansas Herpetological Society in 1998. Susan S. Novak, a native of Chicago, has been a Lawrence, Kansas, resident since 1986. Novak has been an editor of scientific/technical, scholarly, and popular work for twenty years, working formerly as the editor at the Savannah River Ecology Laboratory. She joined the staff of the Kansas State Historical Society in 1993, where she has since served as the managing editor of Kansas Heritage magazine and the associate editor of Kansas History: A Journal of the Central Plains, providing regular departments, main articles, photographs, book reviews, and layout and design work.

Genre: Nature
Number of Pages: 529
Language: English
ISBN: 9781930665156
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 2, 2018
Tags: Office
Snakes
Ecology and Conservation
Stephen J. Mullin, Richard A. Seigel
Cornell University Press (2009)

Summary:
Destruction of habitat due to urban sprawl, pollution, and deforestation has caused population declines or even extinction of many of the world's approximately 2,600 snake species. Furthermore, misconceptions about snakes have made them among the most persecuted of all animals, despite the fact that less than a quarter of all species are venomous and most species are beneficial because they control rodent pests. It has become increasingly urgent, therefore, to develop viable conservation strategies for snakes and to investigate their importance as monitors of ecosystem health and indicators of habitat sustainability. In the first book on snakes written with a focus on conservation, editors Stephen J. Mullin and Richard A. Seigel bring together leading herpetologists to review and synthesize the ecology, conservation, and management of snakes worldwide. These experts report on advances in current research and summarize the primary literature, presenting the most important concepts and techniques in snake ecology and conservation. The common thread of conservation unites the twelve chapters, each of which addresses a major subdiscipline within snake ecology. Applied topics such as methods and modeling and strategies such as captive rearing and translocation are also covered. Each chapter provides an essential framework and indicates specific directions for future research, making this a critical reference for anyone interested in vertebrate conservation generally or for anyone implementing conservation and management policies concerning snake populations.

Contributors: Omar Attum, Indiana University Southeast; Steven J. Beaupre, University of Arkansas; Xavier Bonnet, Centre National de la Recherche Scientifique; Frank T. Burbrink, College of Staten Island-The City University of New York; Gordon M. Burghardt, University of Tennessee; Todd A. Castoe, University of Colorado; David Chiszar, University of Colorado; Michael E. Dorcas, Davidson College; Lara E. Douglas, University of Arkansas; Christopher L. Jenkins, Project Orianne, Ltd.; Glenn Johnson, State University of New York at Potsdam; Michael Hutchins, The Wildlife Society; Richard B. King, Northern Illinois University; Bruce A. Kingsbury, Indiana University-Purdue University Fort Wayne; Thomas Madsen, University of Wollongong; Stephen J. Mullin, Eastern Illinois University; James B. Murphy, National Zoological Park; Charles R. Peterson, Idaho State University; Kent A. Prior, Parks Canada; Richard A. Seigel, Towson University; Richard Shine, University of Sydney; Kevin T. Shoemaker, College of Environmental Science and Forestry, State University of New York; Patrick J. Weatherhead, University of Illinois; John D. Willson, University of Georgia

Genre: Nature
Number of Pages: 365
Language: English
ISBN: 9780801445651
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Snakes
The Evolution of Mystery in Nature
Harry W. Greene
University of California Press (1997)

Summary:
This is a book about some of nature's most alluring and forbidding creatures, written by a man with an abiding passion for snakes, as well as for science, the fate of the planet, and the wonder of life. Harry Greene presents every facet of the natural history of snakes—their diversity, evolution, and conservation—and at the same time makes a personal statement of why these animals are so compelling. This book provides an up-to-date summary of the biology of snakes on a global basis. Eight chapters are devoted to general biology topics, including anatomy, feeding, venoms, predation and defense, social behavior, reproduction, evolution, and conservation; eight chapters survey the major snake groups, including blindsnakes, boas, colubrids, stiletto snakes, cobras, sea snakes, and vipers. Details of particular interest, such as coral snake mimicry and the evolution of the rattle, are highlighted as special topics. Chapter introductory essays are filled with anecdotes that will tempt nonspecialists to read on, while the book's wealth of comprehensive information will gratify herpeto-culturalists and professional biologists. Greene's writing is clear, engaging, and full of appreciation for his subject. Michael and Patricia Fogden are known internationally for their outstanding work, and their stunning color photographs of snakes in their natural habitats are a brilliant complement to Greene's text. Here is a scientific book that provides accurate information in an accessible way to general readers, strongly advocates for a persecuted group of animals, encourages conservation—not just of snakes but of ecosystems—and credits science for enriching our lives. In helping readers explore the role of snakes in human experience, Greene and the Fogdens show how science and art can be mutual pathways to understanding.

**Genre:** Nature  
**Number of Pages:** 351  
**Language:** English  
**ISBN:** 9780520200142  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Snakes of Europe, North Africa and the Middle East**  
A Photographic Guide  
Philippe Geniez  
Princeton University Press (May 8, 2018)

⭐⭐⭐⭐⭐

**Summary:**  
This is a fully up-to-date and comprehensive photographic field guide to the snakes of Europe, North Africa and the Middle East. Lavishly illustrated with 387 color photographs, it includes coverage of all 122 snake species found in these regions. The guide's detailed introduction discusses snake anatomy, biology, habitats and taxonomy. It also explores the health of snakes in captivity and conservation measures, and provides a succinct explanation of the chemical composition, physical effects and cultural uses of snake venom. Species accounts are arranged taxonomically and provide identification features, a description of the species' habitat and behavior and information about whether a snake is venomous. Abundant distribution maps describe each species' geographic variation and usual habitats. Clear photos aid identification and are supplemented with illustrations highlighting key anatomical features. A table of all species, country by country, is included at the back of the book. The first dedicated field guide on snakes to appear in many years, Snakes of Europe, North Africa and the Middle East will be indispensable for anyone interested in learning more about these unique reptiles. Highlights all 122 snake species found in the region Features 387 excellent photos supplemented with diagrams Reflects most recent classification and scientific research Provides each species' identification details, habitat, behavior and much more Includes distribution maps for all species  
**Genre:** Nature  
**Number of Pages:** 384  
**Language:** English  
**ISBN:** 9780691172392  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 12, 2018  
**Tags:** Office
Summary:
Fifty-three kinds of snakes can be found in the Southeast, almost half of all species native to North America. Filled with more than 300 color photographs and written by two renowned herpetologists, this new edition is the most comprehensive authoritative guide to the snakes of the region. At the heart of the book are its heavily illustrated, fact-filled descriptions of each snake species. Also included is a wealth of general information about the importance of snake conservation and the biology, diversity, habitats, and ecology of snakes. Find useful information about the interactions of humans and snakes: species that are likely to be found near houses, snakes as pets, what to do in case of a snakebite, and more. The revised edition of Snakes of the Southeast includes new photos, the latest research findings, new species discoveries, and the most current geographic range maps. Clearly written, cleanly designed, and fun to use, this guide promotes a better understanding of the conservation of this fascinating but often maligned group of animals. Features: Conservation-oriented approach Over 300 color photographs, including many new images for this edition New distribution maps for 53 species of snakes New accounts of invasive snakes of the Southeast Clear descriptions of each species, including differences in the appearance of young and mature snakes Size charts, key identifiers (scales, body shape, patterns, and color), descriptions of habitat, behavior and activity, food and feeding, reproduction, predators and defense, and conservation

Genre: Nature
Number of Pages: 266
Language: English
ISBN: 9780820349015
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Snakes of the World: A Catalogue of Living and Extinct Species—the first catalogue of its kind—covers all living and fossil snakes described between 1758 and 2012, comprising 3,509 living and 274 extinct species allocated to 539 living and 112 extinct genera. Also included are 54 genera and 302 species that are dubious or invalid, resulting in recognition of 705 genera and 4,085 species. Features: Alphabetical listings by genus and species Individual accounts for each genus and species Detailed data on type specimens and type localities All subspecies, synonyms, and proposed snake names Distribution of species by country, province, and elevation Distribution of fossils by country and geological periods Major taxonomic references for each genus and species Appendix with major references for each country Complete bibliography of all references cited in text and appendix Index of 12,500 primary snake names The data on type specimens includes museum and catalog number, length and sex, and collector and date. The listed type localities include restrictions and corrections. The bibliography provides complete citations of all references cited in the text and appendix, and taxonomic comments are given in the remarks sections. This standard reference supplies a scientific, academic, and professional treatment of snakes—appealing to conservationists and herpetologists as well as zoologists, naturalists, hobbyists, researchers, and teachers.

Genre: Nature
Number of Pages: 1,237
**Snorkeling Guide to Marine Life**  
**Florida, Caribbean, Bahamas**  
Paul Humann, Ned DeLoach  
New World Publications (1995)

**Summary:**
You take the family snorkeling, but instead of thanks you get a barrage of wide-eyed questions about all the wonderful things they see. Next time, be ready with the answers. Our Snorkeling Guide to Marine Life will make you an instant underwater naturalist. The 280 color photographs show just about everything you will see in 15 feet of water or less. Snorkelers of any age can quickly learn to identify fish, creatures, plants, and corals with this practical guide. 80 pages, 6" x 9" paperback.

**Genre:** Nature

**Number of Pages:** 80

**Language:** English

**ISBN:** 9781878348104

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Speciation**  
Jerry A. Coyne, H. Allen Orr  
Sinauer (June 30, 2004)

**Summary:**
Speciation is designed to provide a unified, critical and up-to-date overview of the field. Aimed at professional biologists, graduate students and advanced undergraduates, it covers both plants and animals and deals with all relevant areas of research, including biogeography, field work, systematics, theory, and genetic and molecular studies.

**Genre:** Science

**Number of Pages:** 480

**Language:** English

**ISBN:** 9780878930890

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 16, 2018

**Tags:** Office
Speciation and Patterns of Diversity
Roger Butlin, Jon Bridle, Dolph Schluter
Cambridge University Press (January 22, 2009)

Summary:
The diversity of species of plants and animals is the net result of the origin of new species by the splitting of existing lineages (speciation) and the loss of species through extinction. Why there are more species in some groups of organisms, in some places or at some times depends on the balance of these processes. This book explores the interaction between mechanisms and rates of speciation and these patterns of biological diversity, and is unusual in that it brings together the viewpoints of ecologists interested in the processes that generate patterns of diversity and evolutionary biologists who focus on mechanisms of speciation. It is intended to stimulate dialogue between these groups and so promote a more complete understanding of biological diversity.

Genre: Science
Number of Pages: 346
Language: English
ISBN: 9780521709637
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

STARK'S HISTORY AND GUIDE TO THE BAHAMA ISLANDS
Containing a description of everything on or... about the bahama islands of which the visitor or r.
JAMES H. STARK
Forgotten Books (2015)

ISBN: 9781331509400
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

Strangers in High Places
The Story of the Great Smoky Mountains
Michael Frome
University of Tennessee Press (1994)

Summary:
In this expanded edition of his classic Strangers in High Places, Michael Frome continues to capture the attention and admiration of nature lovers, environmentalists, and professionals as he reviews the last quarter-century in and around the Great Smoky Mountains National Park. Frome's superbly written account tells the story of the Great Smoky Mountains and their inhabitants—Eastern Cherokee, back-country settlers, lumbermen, moonshiners, bears and boars. Frome chronicles the power struggles, legislation, and land transactions surrounding the creation of the national park and discusses the continuing threats to the park's natural beauty. Frome's recent conversations with residents, new and old, along with a complement of historic and contemporary photographs, confirm the views stated in the book's original 1966 edition. The author brings his knowledge, experience, and insights to bear on "one of God's special places." He suggests alternatives to commercial overdevelopment and the destruction of the Great Smokies' flora and fauna, citing recent cases such as the Tellico Dam project and the continuing pollution of the Pigeon River. Always emphasizing our inevitable relationship with our surroundings, Frome relates the story of the Great Smoky Mountains with respect and affection for the region, its people, and their history. Michael Frome ranks among the foremost American authors on travel and conservation. His interests are closely associated with national parks, national forests, and natural beauty in the United States and other countries. He has been a columnist and correspondent for major newspapers and magazines and a university lecturer. He is author of Conscience of a Conservationist: Selected Essays.

**Genre:** History  
**Number of Pages:** 392  
**Language:** English  
**ISBN:** 9780870498060  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 3, 2018  
**Tags:** Office

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**Student study guide/solutions manual to accompany Genetics Analysis & principles, fourth edition**  
Robert J. Brooker  

**Number of Pages:** 461  
**ISBN:** 9780077340575  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Study Guide to accompany Organic Chemistry, 8th Edition**  
T. W. Graham Solomons  
Wiley (July 29, 2003)

**Genre:** In library  
**Number of Pages:** 656  
**ISBN:** 9780471215073  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
**Study Guide/Solutions Manual Genetics: From Genes to Genomes**

Leland Hartwell

McGraw-Hill Education (January 12, 2011)

⭐⭐⭐⭐⭐

**Summary:**
Answers to all Hartwell problems (odd and even-numbered) are provided in the printed Solutions Manual/Study Guide (ISBN 0-07-299587-4). The answers provided in the back of the book are brief answers to the odd-numbered questions. The answers in the printed Solutions Manual are more detailed and include answers to the even and odd-numbered questions.

**Genre:** Science

**Number of Pages:** 368

**Language:** English

**ISBN:** 9780077295110

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Swahili**

Martin Benjamin

Lonely Planet (2005)

⭐⭐⭐⭐⭐

**Summary:**
To Pack for East Africa --binoculars for spotting zebu --down jacket for the climb up Kilimanjaro --mosquito net for camping on the multi-day safari --this phrasebook for everything else. Our phrasebooks give you a comprehensive mix of practical and social words and phrases in more than 120 languages. Chat with the locals and discover their culture - a guaranteed way to enrich your travel experience.

**Genre:** Foreign Language Study

**Number of Pages:** 255

**Language:** English

**ISBN:** 9781864502824

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
*Swamp Screamer*

*At Large with the Florida Panther*

Charles Fergus


⭐⭐⭐⭐⭐

**Summary:**
"Whether the panther survives or perishes, Fergus has written a book that does it full justice. His narrative is lively and full of anecdotes, some of them eye-openers."--Jonathan Yardley, Washington Post  
"As good as, or better than, any book I've read in years about the awful and willful ignorance of homo sapiens about the living world."--Farley Mowat, author of Never Cry Wolf  
"Charles Fergus [is] a diligent reporter and straightforward writer. . . . You will enjoy [his] descriptions of forays into panther territory."--Kathleen Krog, Miami Herald

The Florida panther is an endangered species, its way of life altered by the spread of suburban culture across the state. In Swamp Screamer, Charles Fergus tracks the fifty or so panthers that survive in Florida, vividly describing the people trying to save these remarkable creatures--including wildlife biologists trying to preserve panther habitat and radical animal lovers who regard the panther as a symbol of their crusade on behalf of nature. Swamp Screamer is a surprising and often comic look at the wildlife movement today; it is also an evocative history of the vanishing wilds of Florida and a deeply affecting portrait of the panthers themselves. Charles Fergus has written six books, including the novel Shadow Catcher; a collection of essays, The Wingless Crow; and a memoir, A Rough-Shooting Dog. He lives in a stone house that he built himself on a mountainside in central Pennsylvania.

**Genre:** Nature

**Number of Pages:** 208

**Language:** English

**ISBN:** 9780813015606

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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*Talking About Manu*

Vlaardingen, M

⭐⭐⭐⭐⭐

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
**Teaching at Its Best**  
A Research-Based Resource for College Instructors  
Linda B. Nilson  
Wiley (May 17, 2010)  

**Summary:**  
Teaching at Its Best This third edition of the best-selling handbook offers faculty at all levels an essential toolbox of hundreds of practical teaching techniques, formats, classroom activities, and exercises, all of which can be implemented immediately. This thoroughly revised edition includes the newest portrait of the Millennial student; current research from cognitive psychology; a focus on outcomes maps; the latest legal options on copyright issues; and how to best use new technology including wikis, blogs, podcasts, vodcasts, and clickers. Entirely new chapters include subjects such as matching teaching methods with learning outcomes, inquiry-guided learning, and using visuals to teach, and new sections address Felder and Silverman's Index of Learning Styles, SCALE-UP classrooms, multiple true-false test items, and much more. Praise for the Third Edition of Teaching at Its Best—veterans as well as novices—will profit from reading Teaching at Its Best, for it provides both theory and practical suggestions for handling all of the problems one encounters in teaching classes varying in size, ability, and motivation.”—Wilbert McKeachie, Department of Psychology, University of Michigan, and coauthor, McKeachie’s Teaching Tips  
This new edition of Dr. Nilson’s book, with its completely updated material and several new topics, is an even more powerful collection of ideas and tools than the last. What a great resource, especially for beginning teachers but also for us veterans!”—L. Dee Fink, author, Creating Significant Learning Experiences  
This third edition of Teaching at Its Best is successful at weaving the latest research on teaching and learning into what was already a thorough exploration of each topic. New information on how we learn, how students develop, and innovations in instructional strategies complement the solid foundation established in the first two editions.”—Marilla D. Svinicki, Department of Psychology, The University of Texas, Austin, and coauthor, McKeachie’s Teaching Tips  

**Genre:** Education  
**Number of Pages:** 375  
**Language:** English  
**ISBN:** 9780470401040  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 12, 2018  
**Tags:** Office

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**Tears of the Cheetah**  
The Genetic Secrets of Our Animal Ancestors  
Stephen J. O'Brien  
Macmillan (April 1, 2005)  

**Summary:**
The history of life on Earth is dominated by extinction events so numerous that over 99.9% of the species ever to have existed are gone forever. If animals could talk, we would ask them to recall their own ancestries, in particular the secrets as to how they avoided almost inevitable annihilation in the face of daily assaults by predators, climactic cataclysms, deadly infections and innate diseases. In Tears of the Cheetah, medical geneticist and conservationist Stephen J. O'Brien narrates fast-moving science adventure stories that explore the mysteries of survival among the earth's most endangered and beloved wildlife. Here we uncover the secret histories of exotic species such as Indonesian orangutans, humpback whales, and the imperiled cheetah—the world's fastest animal which nonetheless cannot escape its own genetic weaknesses. Among these genetic detective stories we also discover how the Serengeti lions have lived with FIV (the feline version of HIV), where giant pandas really come from, how bold genetic action pulled the Florida panther from the edge of extinction, how the survivors of the medieval Black Death passed on a genetic gift to their descendents, and how mapping the genome of the domestic cat solved a murder case in Canada. With each riveting account of animal resilience and adaptation, a remarkable parallel in human medicine is drawn, adding yet another rationale for species conservation-mining their genomes for cures to our own fatal diseases. Tears of the Cheetah offers a fascinating glimpse of the insight gained when geneticists venture into the wild.

Genre: Science

Number of Pages: 304
Language: English
ISBN: 9780312339005
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

Temple Wilderness
A Collection of Thoughts and Images on Our Spiritual Bond with the Earth
Tom Petrie, Kim Leighton, Greg Linder
Willow Creek Press (1996)

Summary:
Illustrated with more than 150 photographs, Temple Wilderness is a sweeping compilation of passages, verses and excerpts from throughout history and throughout the world, reflecting humankind's spiritual relationship with the earth. This book is an uplifting word-and-picture experience, revealing that despite diverse beliefs, people worldwide are bound in a spiritual relationship with the earth—a sacred vessel we all share.

Genre: Religion
Number of Pages: 176
Language: English
ISBN: 9781572230514
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Tempo and Mode in Evolution
George Gaylord Simpson
Columbia University Press (1944)
Summary:
World renowned for its biological diversity and model conservation system, Costa Rica is home to a wide variety of amphibians and reptiles, from the golden toad to the scorpion lizard and the black-headed bushmaster. Jay M. Savage has studied these fascinating creatures for more than forty years, and in The Amphibians and Reptiles of Costa Rica he provides the most comprehensive, up-to-date treatment of their biology and evolution ever produced. Savage begins with detailed discussions of the natural and cultural history of Costa Rica, setting the stage for a detailed treatment of each of the 396 species of amphibians and reptiles that may be found there. Each species account synthesizes and analyzes everything that is known about the animal's anatomy, behavior, geographic distribution, systematics, and evolutionary history and provides keys for identifying amphibians and reptiles in the field. In addition to distribution maps and systematic and morphological illustrations, the book includes color photographs of almost every known species, many taken by the distinguished nature photographers Michael and Patricia Fogden. Because Costa Rica has played, and continues to play, a pivotal role in the study of tropical biology as well as in the development of ecotourism and ecoprospecting, and because more than half of the amphibians and reptiles in Costa Rica are also found elsewhere in Central America, The Amphibians and Reptiles of Costa Rica will be an essential book for a wide audience of nature lovers, naturalists, ecotourists, field biologists, conservationists, and government planners.
The Amphibians and Reptiles of Missouri
Tom R. Johnson
Missouri Department of Conservation (January 1, 2000)

Summary:

The Amphibians and Reptiles of the Honduran Mosquitia
James R. McCranie, Josiah H. Townsend, Larry David Wilson

Summary:

The Amphibians of Great Smoky Mountains National Park
C. Kenneth Dodd
Univ. of Tennessee Press (2004)
"Most guides to animals in parks are intended primarily as identification aids and include relatively little on the biology of the species. Dodd's book is much more, with detailed information on all aspects of the natural history of these species. Biologists, students, and visitors to Great Smoky Mountains National Park will find this an indispensable guide." --Arthur C. Echternacht Professor of Ecology and Evolutionary Biology University of Tennessee

The Amphibians of Great Smoky Mountains National Park is the first book devoted entirely to the natural history of the forty-four species of amphibians known to occur presently or historically in the Great Smoky Mountains of North Carolina and Tennessee, in the most-visited national park in the United States. Features * The only comprehensive book on the natural history of the amphibians of Great Smoky Mountains National Park * Beautiful original illustrations of salamander and frog larvae taken from specimens within the park * History of research and management effects on amphibians within the park * Extensive new information on the natural history of amphibians, based on four years of intensive field research * Simplified identification table guide to amphibian larvae * Summary of information on distribution (with range maps) and biogeography * Comprehensive bibliography of the literature on amphibians within the park * Summary of new data on the conservation of southern Appalachian amphibians, particularly with regard to land use, the effects of UV light, and disease

C. Kenneth Dodd is a research zoologist with the U.S. Geological Survey at the Florida Integrated Science Center and is president of The Herpetologists' League. He is the author of North American Box Turtles: A Natural History and numerous articles in Journal of Herpetology, Biological Conservation, Herpetologica, and other publications. He lives in Gainesville, Florida.

Genre: Nature
Number of Pages: 283
Language: English
ISBN: 9781572332751
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Amphibians of Tennessee
Matthew L. Niemiller, R. Graham Reynolds

University of Tennessee Press (2011)

Summary: Brimming with color photographs and reflecting the latest scientific research, this book is the definitive guide to the rich diversity of frogs and salamanders found throughout Tennessee. Featuring detailed accounts of all eighty of the state's species of amphibians, it will delight and inform the professional scientist and amateur naturalist alike. The species accounts form the core of the book. Each account includes the scientific and common name of the species (with etymology of the scientific name); information on size, physical appearance, and coloration of adults, juveniles, and larvae; an up-to-date GIS range map showing both county records and potential ranges; and details on similar species, habitat, natural history, conservation status, and more. High-quality photographs illustrate the life stages of the various species. Among the book's other valuable features are detailed drawings and taxonomic keys to assist with identification, as well as introductory chapters that encompass amphibian biology and conservation and the geology and habitats of Tennessee. Sprinkled throughout the book are lively personal accounts, called "Field Notes," which describe successful amphibian hunts. The only complete work of its kind for the Volunteer State and generously supported by the Tennessee Wildlife Resources Agency, The Amphibians of Tennessee fills a long-standing need for both a popular identification guide and an authoritative reference.

Genre: Nature
Number of Pages: 369
Language: English
ISBN: 9781572337626
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**The Amphibians of Tennessee**
Matthew L. Niemiller, R. Graham Reynolds
University of Tennessee Press (2011)

**Summary:**
Brimming with color photographs and reflecting the latest scientific research, this book is the definitive guide to the rich diversity of frogs and salamanders found throughout Tennessee. Featuring detailed accounts of all eighty of the state's species of amphibians, it will delight and inform the professional scientist and amateur naturalist alike. The species accounts form the core of the book. Each account includes the scientific and common name of the species (with etymology of the scientific name); information on size, physical appearance, and coloration of adults, juveniles, and larvae; an up-to-date GIS range map showing both county records and potential ranges; and details on similar species, habitat, natural history, conservation status, and more. High-quality photographs illustrate the life stages of the various species. Among the book's other valuable features are detailed drawings and taxonomic keys to assist with identification, as well as introductory chapters that encompass amphibian biology and conservation and the geology and habitats of Tennessee. Sprinkled throughout the book are lively personal accounts, called "Field Notes," which describe successful amphibian hunts. The only complete work of its kind for the Volunteer State and generously supported by the Tennessee Wildlife Resources Agency, The Amphibians of Tennessee fills a long-standing need for both a popular identification guide and an authoritative reference.

**Genre:** Nature

**Number of Pages:** 369

**Language:** English

**ISBN:** 9781572337626

**Physical Location:** Lab

**Reading Status:** Finished

**Date Added:** November 20, 2018

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**The Ancestor's Tale**
A Pilgrimage to the Dawn of Evolution
Richard Dawkins, Yan Wong
Houghton Mifflin Harcourt (2005)

**Summary:**
The renowned biologist and thinker Richard Dawkins presents his most expansive work yet: a comprehensive look at evolution, ranging from the latest developments in the field to his own provocative views. Loosely based on the form of Chaucer's Canterbury Tales, Dawkins's Tale takes us modern humans back through four billion years of life on our planet. As the pilgrimage progresses, we join with other organisms at the forty "rendezvous points" where we find a common ancestor. The band of pilgrims swells into a vast crowd as we join first with other primates, then with other mammals, and so on back to the first primordial organism. Dawkins's brilliant, inventive approach allows us to view the connections between ourselves and all other life in a bracingly novel way. It also lets him shed bright new light on the most compelling aspects of evolutionary history and theory: sexual selection, speciation, convergent evolution, extinction, genetics, plate tectonics, geographical dispersal, and more. The Ancestor's Tale is at once a far-reaching survey of the latest, best thinking on biology and a fascinating history of life on Earth. Here Dawkins shows us how remarkable we are, how astonishing our history, and how intimate our relationship with the rest of the living world.

**Genre:** Science

**Number of Pages:** 673

**Language:** English

**ISBN:** 9780618619160

**Reading Status:** Finished
The Anoles of Honduras
Systematics, Distribution, and Conservation
James R. McCranie, Gunther Köhler

Harvard University Museum of Comparative Zoology (2015)

Summary:
The lizard genus Anolis contains more species than any other genus of reptile, bird, or mammal. Caribbean members of this group have been intensively studied and have become a model system for the study of ecology, evolution, and biogeography, but knowledge of the anoles of Central and South America has lagged behind. In this landmark volume, veteran herpetologists James R. McCranie and Gunther Köhler take a step toward rectifying this shortcoming by providing a detailed account of the rich anole fauna of Honduras. Generously illustrated with 157 photos and drawings, The Anoles of Honduras includes information on the evolutionary relationships, natural history, distribution, and conservation of all 39 Honduran anole species. The work is the result of decades of study both in the field and in museums and is the first synthetic discussion of the complete anole fauna of any Central or South American country. Each species is described in great detail with locality maps. Bilingual (English and Spanish), extensively illustrated, identification keys are also included.

Genre: Science
Number of Pages: 292
Language: English
ISBN: 9780674504417
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

The Atlas of Snakes of the World
John Coborn


Genre: Pets
Number of Pages: 591
Language: English
ISBN: 9780866227490
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary: Advances in technology have made widespread and detailed data gathering easier, resulting in a deluge of statistics on subjects as diverse as literacy rates, military spending, overweight children, television viewing figures, and endangered species. But how do we represent and compare data from one part of the world to another in a useful way? Here, sophisticated software combined with comprehensive analysis of every aspect of life represents the world as it really is. Digitally modified maps depict the areas and countries of the world not by their physical size but by their demographic importance on a vast range of topics. The rainforests of South America, with thirty percent of the world's fresh water, make the continent balloon in an analysis of water resources, whereas Kuwait, dependent on desalinated seawater, disappears from the map. Fuel use, alcohol consumption, population, malaria: here are hundreds of key indicators to the way we live. This innovative and exceptionally accessible reference work will be an indispensable tool for journalists, economists, marketers, politicians, financiers, environmentalists, and scholars. Its cartograms are augmented by graphs, tables, and full commentaries.

Genre: Reference
Number of Pages: 400
Language: English
ISBN: 9780500514252
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**The aye-aye and I**

**a rescue mission in Madagascar**

Gerald Durrell

Simon & Schuster (1992)

Rating: ★★★★★

**Summary:**
A rescue journey to save one of the world's most intriguing creatures from extinction. Scientist, conservationist, and humorist, Gerald Durrell shares his breathtaking adventures and mis-adventures in the forests of Madagascar, in this lively account of his search for the elusive aye-aye—an endangered member of the lemur family.

**Genre:** Political Science

**Number of Pages:** 192

**Language:** English

**ISBN:** 9780671884390

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**The Baja Adventure Book**

Walt Peterson


Rating: ★★★★★

**Summary:**
A where-to, how-to guide to one of the most interesting places on earth, describing the full spectrum of adventure available in Baja California, Mexico. Scuba diving, hiking, backpacking, fishing, boating, bicycling, and windsurfing are just some of the exciting activities covered. THE guide to outdoor activities in Baja.

**Genre:** Travel

**Number of Pages:** 310

**Language:** English

**ISBN:** 9780899972312

**Physical Location:** Lab

**Reading Status:** Finished

**Date Added:** November 20, 2018

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**The Baja Catch**

A Fishing, Travel and Remote Camping Manual for Baja California

Neil Kelly, Gene Kira

Apples & Oranges Incorporated (February 1, 2002)

Rating: ★★★★★

**Summary:**
The classic book on fishing in Mexico's Baja California. Over 40 locations profiled. Tips on safety, obtaining supplies, fish ID, off-road travel, primitive conditions & specific techniques on how to catch more than 50 species of game fish using artificial lures. Boat recommendations and techniques for trailering & launching over-the-beach in remote areas.

Genre: Sports & Recreation
Number of Pages: 294
Language: English
ISBN: 9780929637051
Physical Location: Lab
Reading Status: Finished
Date Added: November 20, 2018

The Baltimore Case
A Trial of Politics, Science, and Character
Daniel J. Kevles

W. W. Norton & Company (2000)

Summary:
David Baltimore won the Nobel Prize in medicine in 1975. Known as a wunderkind in the field of immunology, he rose quickly through the ranks of the scientific community to become the president of the distinguished Rockefeller University. Less than a year and a half later, Baltimore resigned from his presidency, citing the personal toll of fighting a long battle over an allegedly fraudulent paper he had collaborated on in 1986 while at MIT. From the beginning, the Baltimore case provided a moveable feast for those eager to hold science more accountable to the public that subsidizes its research. Did Baltimore stonewall a legitimate government inquiry? Or was he the victim of witch hunters? The Baltimore Case tells the complete story of this complex affair, reminding us how important the issues of government oversight and scientific integrity have become in a culture in which increasingly complicated technology widens the divide between scientists and society.

Genre: Science
Number of Pages: 509
Language: English
ISBN: 9780393319705
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Best American Science and Nature Writing, 2002
Natalie Angier, Tim Folger


Summary:
Since its inception in 1915, the Best American series has become the premier annual showcase for the country's finest short fiction and nonfiction. For each volume, a series editor reads pieces from hundreds of periodicals, then selects between fifty and a hundred outstanding works. That selection is pared down to the twenty or so very best pieces by a guest editor who is widely recognized as a leading writer in his or her field. This unique system has helped make the Best American series the most respected -- and most popular -- of its kind. The Best American Science and Nature Writing 2002, edited by Natalie Angier, is another "eclectic, provocative collection" (Entertainment Weekly). Malcolm Gladwell, Joy Williams, Barbara Ehrenreich, Burkhard Bilger, Dennis Overbye, and many more of the best and brightest writers on science and nature explore such topics as the rise and fall of Islamic science, disappearing cancers, and the meaning of mountain lions in the back yard.

**The Best American Science and Nature Writing, 2005**

Jonathan Weiner, Tim Folger

Houghton Mifflin Company (2005)

Summary:
The Best American series has been the premier annual showcase for the country's finest short fiction and nonfiction since 1915. Each volume's series editor selects notable works from hundreds of periodicals. A special guest editor, a leading writer in the field, then chooses the very best twenty or so pieces to publish. This unique system has made the Best American series the most respected -- and most popular -- of its kind. The Best American Science and Nature Writing 2005 includes: Natalie Angier * Jared Diamond * Timothy Ferris * Malcolm Gladwell * Jerome Groopman * Bill McKibben * Sherwin P. Nuland * Jeffrey M. O'Brien * Oliver Sacks * Michael J. Sandel * William Speed Weed * and more. Jonathan Weiner, guest editor, has won the Pulitzer Prize, the National Book Critics Circle Award, the Los Angeles Times Book Prize, and many other honors. He lives in New York City and teaches science writing at the Columbia School of Journalism.

**The Best American Science Writing 2001**

Timothy Ferris, Jesse Cohen

HarperCollins (October 16, 2001)

Summary:
Gathered from the nation's leading publications by award-winning author Timothy Ferris, The Best American Science Writing 2001 is a dynamic, up-to-date collection of essays and articles by America's most prominent thinkers and writers, addressing the most controversial, socially relevant topics that recent developments in science pose. Among the contributors: Richard Preston examines the contentious business of decoding the human genome. Malcolm Gladwell follows investigators who aim to revolutionize birth control. Tracy Kidder profiles a modern Dr. Schweitzer. Alan Lightman laments what was lost in his transformation from astrophysicist to fiction writer. Natalie Angier makes some surprising discoveries about gender in mandrill society. Stephen Jay Gould investigates the strange contrast between the 1530 poem by a physician that gave us the name for syphilis and the poetry that can be found in the map of the pathogen's genome. Legendary physicist John Archibald Wheeler celebrates the mysteries of quantum mechanics, which still perplex a century after its discovery. And John Updike contributes a witty verse musing on a biological theme. For anyone who wants to journey to science's frontiers, understand more fully its ever-expanding role in our lives, or simply enjoy the thrill of powerful writing on fascinating topics, The Best American Science Writing 2001 is indispensable.

Summary:
If, as Matt Ridley suggests, science is simply the search for new forms of ignorance, then perhaps it follows that with science's advances come new questions. Will human genetic engineering become commonplace? Will human cloning ever be safe? Are there many universes? How much will the climate change during the coming century? The Best American Science Writing 2002 gathers top writers and scientists covering the latest developments in the fastest-changing, farthest-reaching scientific fields, such as medicine, genetics, computer technology, evolutionary psychology, cutting-edge physics, and the environment. Among this year's selections: In "The Made-to-Order Savior," Lisa Belkin spotlights two desperate families seeking an unprecedented cure by a medically and ethically unprecedented means -- creating a genetically matched child. Margaret Talbot's "A Desire to Duplicate" reveals that the first human clone may very likely come from an entirely unexpected source, and sooner than we think. Michael Specter reports on the shock waves rippling through the field of neuroscience following the revolutionary discovery that adult brain cells might in fact regenerate ("Rethinking the Brain"). Christopher Dickey's "I Love My Glow Bunny" recounts with sly humor a peculiar episode in which genetic engineering and artistic culture collide. Natalie Angier draws an insightful contrast between suicide terrorists and rescue workers who risk their lives, and finds that sympathy and altruism have a definite place in the evolution of human nature, David Berlinski's "What Brings a World into Being?" ponders the idea of biology and physics as essentially digital technologies, exploring the mysteries encoded in the universe's smallest units, be they cells or quanta. Nicholas Wade shows how one of the most controversial books of the year, The Skeptical Environmentalist, by former Greenpeace member and self-described leftist Bjorn Lomborg, debunks some of the most cherished tenets of the environmental movement, suggesting that things are perhaps not as bad as we've been led to believe. And as a counterpoint, Darcy Frey's profile of George Divoky reveals a dedicated researcher whose love of birds and mystery leads to some sobering discoveries about global warming and forcefully reminds us of the unsung heroes of science: those who put in long hours, fill in small details, and take great trouble. In the end, the unanswered questions are what sustain scientific inquiry, open new frontiers of knowledge, and lead to new technologies and medical treatments. The Best American Science Writing 2002 is a series of exciting reports from science's front lines, where what we don't know is every bit as important as what we know.
The Best American Science Writing 2005
Alan Lightman, Jesse Cohen

Harper Collins (September 6, 2005)

Summary:
Together these twenty-seven articles on a wide range of today's most current topics in science, from Oliver Sacks, James Gleick, Atul Gawande, and Natalie Angier, among others, represent the full spectrum of scientific writing, proving once again that "good science writing is evidently plentiful" (Scientific American).

Genre: Science
Number of Pages: 320
Language: English
ISBN: 9780060726423
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Biology of Chameleons
Krystal A. Tolley, Anthony Herrel

Univ of California Press (November 16, 2013)

Summary:
They change color depending on their mood. They possess uniquely adapted hands and feet distinct from other tetrapods. They feature independently movable eyes. This comprehensive volume delves into these fascinating details and thorough research about one of the most charismatic families of reptiles—Chameleonidae. Written for professional herpetologists, scholars, researchers, and students, this book takes readers on a voyage across time to discover everything that is known about chameleon biology: anatomy, physiology, adaptations, ecology, behavior, biogeography, phylogeny, classification, and conservation. A description of the natural history of chameleons is given, along with the fossil record and typical characteristics of each genus. The state of chameleons in the modern world is also depicted, complete with new information on the most serious threats to these remarkable reptiles.

Genre: Science
Number of Pages: 312
Language: English
ISBN: 9780520957381
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 8, 2018
Tags: Office
The Blue Edge
Carlos Eyles
Aqua Quest Publications, Inc. (2001)

Summary: The author returns to the bountiful Sea of Cortez he knew decades ago, and finds it empty.
Genre: Nature
Number of Pages: 353
Language: English
ISBN: 9781881652274
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Book of Snakes
A Life-Size Guide to Six Hundred Species from around the World
Mark O'Shea
University of Chicago Press (October 22, 2018)

Summary: For millennia, humans have regarded snakes with an exceptional combination of fascination and revulsion. Some people recoil in fear at the very suggestion of these creatures, while others happily keep them as pets. Snakes can convey both beauty and menace in a single tongue flick and so these creatures have held a special place in our cultures. Yet, for as many meanings that we attribute to snakes—from fertility and birth to sin and death—the real-life species represent an even wider array of wonders. The Book of Snakes presents 600 species of snakes from around the world, covering nearly one in six of all snake species. It will bring greater understanding of a group of reptiles that have existed for more than 160 million years, and that now inhabit every continent except Antarctica, as well as two of the great oceans. This volume pairs spectacular photos with easy-to-digest text. It is the first book on these creatures that combines a broad, worldwide sample with full-color, life-size accounts. Entries include close-ups of the snake's head and a section of the snake at actual size. The detailed images allow readers to examine the intricate scale patterns and rainbow of colors as well as special features like a cobra's hood or a rattlesnake's rattle. The text is written for laypeople and includes a glossary of frequently used terms. Herpetologists and herpetoculturists alike will delight in this collection, and even those with a more cautious stance on snakes will find themselves drawn in by the wild diversity of the suborder Serpentes.
Genre: Nature
Number of Pages: 656
Language: English
ISBN: 9780226459394
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
With habitats ranging from sea level to over 3,800 meters, the small Neotropical country of Costa Rica encompasses more than fifteen distinct life zones and contains a large percentage of all the butterfly species known from Central America. In this field guide, a sequel to the volume on Papilionidae, Pieridae, and Nymphalidae, Philip DeVries provides the first detailed treatment of over 250 species of Costa Rican butterflies in the family Riodinidae. Drawing from his extensive fieldwork, museum research, and surveys of scientific literature, DeVries presents the means to identify riodinid butterflies to the species level and gives an overview of their natural history. This guide illustrates nearly all of the Costa Rican species in color and provides a large sample of detailed line drawings and scanning electron micrographs of riodinid early stages for the first time ever. The book's coverage makes it useful for identifying riodinids throughout Mexico, Central America, and substantial portions of South America. The introductory chapter brings together a large body of material that applies directly to understanding riodinid butterflies in general. The taxonomy, distribution, and natural history of each taxon is discussed in detail. The author also provides sections on ecology, evolution, behavior, symbioses with ants, caterpillar acoustical calls, systematics, collecting and preserving, hostplant relationships, and the comparative diversity of riodinid butterfly faunas. A section on butterfly biologists of the last century provides a historical perspective to the basis of our understanding of Neotropical butterflies.

**Genre:** Nature
**Number of Pages:** 288
**Language:** English
**ISBN:** 9780691028897
**Reading Status:** Finished
**Date Finished:** November 19, 2018
**Date Added:** November 19, 2018
**Tags:** Office

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**The Causes of Evolution**

John Burdon Haldane

Princeton University Press (October 10, 1990)

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**Summary:**

J.B.S. Haldane (1892-1964), one of the founders of the science of population genetics, was also one of the greatest practitioners of the art of explaining science to the layperson. Haldane was a superb story-teller, as his essays and his children's books attest. In The Causes of Evolution he not only helped to marry the new science of genetics to the older one of evolutionary theory but also provided an accessible introduction to the genetical basis of evolution by natural selection. Egbert Leigh's new introduction to this classic work places it in the context of the ongoing study of evolution. Describing Haldane's refusal to be confined by a "System" as a "light-hearted" one, Leigh points out that we are now finding that "Haldane's questions are the appropriate next stage in learning how adaptation can evolve. We are now ready to reap the benefit of the fact that Haldane was a free man in the sense that really matters."

**Genre:** Science
**Number of Pages:** 222
**Language:** English
**ISBN:** 9780691024424
**Reading Status:** Finished
**Date Finished:** November 19, 2018
**Date Added:** November 19, 2018
**Tags:** Office
**The cloud forest**
*a chronicle of the South American wilderness*

Peter Matthiessen


Summary:
Peter Matthiessen crisscrossed 10,000 miles of the South American wilderness, from the Amazon rain forests to Machu Picchu, high in the Andes, down to Tierra del Fuego and back. He followed the trails of old explorers, encountered river bandits, wild tribesmen, and the evidence of ancient ruins, and discovered fossils in the depths of the Peruvian jungle. The Cloud Forest is his incisive, wry report of his expedition into this vast world to the south.

Genre: Travel
Number of Pages: 280
Language: English
ISBN: 9780140255072
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

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**The craft of research**

Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams

University of Chicago Press (April 15, 2008)

Summary:
With more than 400,000 copies now in print, The Craft of Research is the unrivaled resource for researchers at every level, from first-year undergraduates to research reporters at corporations and government offices. Seasoned researchers and educators Gregory G. Colomb and Joseph M. Williams present an updated third edition of their classic handbook, whose first and second editions were written in collaboration with the late Wayne C. Booth. The Craft of Research explains how to build an argument that motivates readers to accept a claim; how to anticipate the reservations of readers and to respond to them appropriately; and how to create introductions and conclusions that answer that most demanding question, “So what?”

The third edition includes an expanded discussion of the essential early stages of a research task: planning and drafting a paper. The authors have revised and fully updated their section on electronic research, emphasizing the need to distinguish between trustworthy sources (such as those found in libraries) and less reliable sources found with a quick Web search. A chapter on warrants has also been thoroughly reviewed to make this difficult subject easier for researchers. Throughout, the authors have preserved the amiable tone, the reliable voice, and the sense of directness that have made this book indispensable for anyone undertaking a research project.

Genre: Reference
Number of Pages: 335
Language: English
ISBN: 9780226065663
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**The Darwinian Revolution**

*Science Red in Tooth and Claw*

Michael Ruse

University of Chicago Press (October 15, 1999)

Summary:
Originally published in 1979, The Darwinian Revolution was the first comprehensive and readable synthesis of the history of evolutionary thought. Though the years since have seen an enormous flowering of research on Darwin and other nineteenth-century scientists concerned with evolution, as well as the larger social and cultural responses to their work, The Darwinian Revolution remains remarkably current and stimulating. For this edition Michael Ruse has written a new afterword that takes into account the research published since his book's first appearance. "It is difficult to believe that yet another book on Darwin and the Darwinian Revolution could add anything new or contain any surprises. Ruse's book is an exception on all counts. Darwin scholars and the general reader alike can learn from it."—David L. Hull, Nature "No other account of the Darwinian Revolution provides so detailed and sympathetic an account of the framework within which the scientific debates took place."—Peter J. Bowler, Canadian Journal of History "A useful and highly readable synthesis...skillfully organized and written with verve, imagination, and welcome touches of humor."—John C. Greene, Science

Genre: Science

Number of Pages: 346

Language: English

ISBN: 9780226731698

Reading Status: Finished

Date Finished: November 19, 2018

Date Added: November 19, 2018

Tags: Office

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**The Descent of Man, and Selection in Relation to Sex**

Charles Darwin


Summary:
In the current resurgence of interest in the biological basis of animal behavior and social organization, the ideas and questions pursued by Charles Darwin remain fresh and insightful. This is especially true of The Descent of Man and Selection in Relation to Sex, Darwin's second most important work. This edition is a facsimile reprint of the first printing of the first edition (1871), not previously available in paperback. The work is divided into two parts. Part One marshals behavioral and morphological evidence to argue that humans evolved from other animals. Darwin shoes that human mental and emotional capacities, far from making human beings unique, are evidence of an animal origin and evolutionary development. Part Two is an extended discussion of the differences between the sexes of many species and how they arose as a result of selection. Here Darwin lays the foundation for much contemporary research by arguing that many characteristics of animals have evolved not in response to the selective pressures exerted by their physical and biological environment, but rather to confer an advantage in sexual competition. These two themes are drawn together in two final chapters on the role of sexual selection in humans. In their Introduction, Professors Bonner and May discuss the place of The Descent in its own time and relation to current work in biology and other disciplines.

Genre: Science

Number of Pages: 475

Language: English

ISBN: 9780691023694

Reading Status: Finished
The Diversity of Life
Edward O. Wilson
W. W. Norton & Company (1999)

Summary:
In this book a master scientist tells the story of how life on earth evolved. Edward O. Wilson eloquently describes how the species of the world became diverse and why that diversity is threatened today as never before. A great spasm of extinction -- the disappearance of whole species -- is occurring now, caused this time entirely by humans. Unlike the deterioration of the physical environment, which can be halted, the loss of biodiversity is a far more complex problem -- and it is irreversible. Defining a new environmental ethic, Wilson explains why we must rescue whole ecosystems, not only individual species. He calls for an end to conservation versus development arguments, and he outlines the massive shift in priorities needed to address this challenge. No writer, no scientist, is more qualified than Edward O. Wilson to describe, as he does here, the grandeur of evolution and what is at stake. "Engaging and nontechnical prose. . . . Prodigious erudition. . . . Original and fascinating insights." -- John Terborgh, New York Review of Books, front page review "Eloquent. . . . A profound and enduring contribution." -- Alan Burdick, Audubon

Genre: Science
Number of Pages: 424
Language: English
ISBN: 9780393319408
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Ecology of Adaptive Radiation
Dolph Schluter
OUP Oxford (September 7, 2000)

Summary:
Adaptive radiation is the evolution of diversity within a rapidly multiplying lineage. It can cause a single ancestral species to differentiate into an impressively vast array of species inhabiting a variety of environments. Much of life's diversity has arisen during adaptive radiations. Some of the most famous recent examples include the East African cichlid fishes, the Hawaiian silverswords, and of course, Darwin's Galápagos finches. This book evaluates the causes of adaptive radiation. It focuses on the 'ecological' theory of adaptive radiation, a body of ideas that began with Darwin and was developed through the early part of the 20th Century. This theory proposes that phenotypic divergence and speciation in adaptive radiation are caused ultimately by divergent natural selection arising from differences in environment and competition between species. In The Ecology of Adaptive Radiation the author re-evaluates the ecological theory, along with its most significant extensions and challenges, in the light of all the recent evidence. This important book is the first full exploration of the causes of adaptive radiation to be published for decades, written by one of the world's best young evolutionary biologists.

Genre: Science
Number of Pages: 300
Language: English
The Elk of North America
Olaus J. Murie
Stackpole Books (September 15, 2017)

Summary:
This is an outstanding treatise on one of America's most widely hunted and most important big-game animals. Although thousands of sportsmen take to the field each year in quest of trophies, the perpetuation of elk hunting in America depends entirely upon proper management of the herds. Whether management succeeds or fails in future years will depend upon how well the public understands the problems of the game administrators and of the animals themselves. Everything the sportsman or naturalist would wish to know about the elk is included in this new volume. Habits, food preferences, seasonal movements, anatomy, antler development, and management problems are interestingly and thoroughly discussed. Written by one of America's greatest field naturalists, this new book has behind it a lifetime spent in intimate study of the subject. Dr. Murie is recognized as the world's foremost authority on the American elk and his comprehensive research on elk in the Jackson Hole National Monument forms the basis for this book. Everyone interested in America's wildlife will want this volume in his library. The book is copiously illustrated with half-tone and original line drawings by the author.

Genre: Nature
Number of Pages: 390
Language: English
ISBN: 9780811766746
Reading Status: Finished
Date Finished: November 19, 2018
Loaned To: Taylor
Date Loaned: November 20, 2018
Date Added: November 19, 2018
Tags: Office

The empty ocean
plundering the world's marine life
Richard Ellis


Summary:
In The Empty Ocean, acclaimed author and artist Richard Ellis tells the story of our continued plunder of life in the sea and weighs the chances for its recovery. Through fascinating portraits of a wide array of creatures, he introduces us to the many forms of sea life that humans have fished, hunted, and collected over the centuries, from charismatic whales and dolphins to the lowly menhaden, from sea turtles to cod, tuna, and coral. Rich in history, anecdote, and surprising fact, Richard Ellis's descriptions bring to life the natural history of the various species, the threats they face, and the losses they have suffered. Killing has occurred on a truly stunning scale, with extinction all too often the result, leaving a once-teeming ocean greatly depleted. But the author also finds instances of hope and resilience, of species that have begun to make remarkable comebacks when given the opportunity. Written with passion and grace, and illustrated with Richard Ellis's own drawings, The Empty Ocean brings to a wide audience a compelling view of the damage we have caused to life in the sea and what we can do about it.

Genre: Protected DAISY
Number of Pages: 367
Language: English
ISBN: 9781559636377
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The endangered atmosphere
preserving a global commons
Marvin S. Soroos

University of South Carolina Press (March 1, 1997)

Genre: Political Science
Number of Pages: 339
Language: English
ISBN: 9781570031601
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Ephemeral Islands
A Natural History of the Bahamas
David G. Campbell

Macmillan (1978)

Genre: Natural history
Number of Pages: 151
Language: English
ISBN: 9780333226759
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
The Expression of the Emotions in Man and Animals
Charles Darwin
Oxford University Press (1998)

Summary:
In his study of infants and children (including observations of his own baby's smiles and pouts), of the insane, of painting and sculpture, of cats and dogs and monkeys, and of the ways that people in different cultures express their feelings, Darwin's insights have not been surpassed by modern science. This definitive edition of Darwin's masterpiece contains a substantial new Introduction and Afterword by Paul Ekman. Ekman also provides commentaries that use the latest scientific knowledge to elaborate, support, and occasionally challenge Darwin's study. For this edition, Ekman has returned to Darwin's original notes in order to produce for the first time a corrected, authoritative text illustrated by drawings and photographs positioned exactly as its author intended. "This new edition of Darwin's extraordinary book is a major event in the human sciences."-Steven Pinker "This new comprehensive edition of Expression will introduce a new generation of readers to Darwin's masterpiece, undiminished and intensely relevant even 125 years after publication."-Oliver Sacks "Ekman's contribution to his edition of Darwin's 1872 monograph can count as a book in its own right."-Ian Hacking, Times Literary Supplement

Genre: Psychology
Number of Pages: 472
Language: English
ISBN: 9780195158069
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Fishes of Tennessee
David A. Etnier, Wayne C. Starnes
University of Tennessee Press (1993)

Summary:
The waters of Tennessee are home to about three hundred species of fishes, the most diverse collection of freshwater fauna of any state in the country. This readable and authoritative book, first published in 1993, examines that diversity within the state's complex natural history. It not only synthesizes a wealth of scientific information but also presents a tremendous amount of original research. Species accounts provide information on the classification, identification, biology, distribution, taxonomy, and current status of Tennessee's fishes -- many of which are endangered. Taxonomic keys provide readers with guides for distinguishing species. Extensive use is made of high-quality photographs, range maps, and drawings. For this second printing, the authors have provided corrections and updated information. This data includes seven new species accounts and new distributional information.

Genre: Nature
Number of Pages: 681
Language: English
ISBN: 9780870497117
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 8, 2018
Tags: Office
The Flamingo's Smile
Reflections in Natural History
Stephen Jay Gould
W. W. Norton & Company (1987)

Summary:
"Gould himself is a rare and wonderful animal—a member of the endangered species known as the ruby-throated polymath. . . . [He] is a leading theorist on large-scale patterns in evolution . . . [and] one of the sharpest and most humane thinkers in the sciences." --David Quammen, New York Times Book Review

Genre: Nature
Number of Pages: 476
Language: English
ISBN: 9780393303759
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Flight of the Iguana
A Sidelong View of Science and Nature
David Quammen
Simon and Schuster (February 16, 1998)

Summary:
From the award-winning author of The Song of the Dodo comes a collection of essays in which various weird and wonderful aspects of nature are examined. From tales of vegetarian piranha fish and voiceless dogs to the scientific search for the genes that threaten to destroy the cheetah, Quammen captures the natural world with precision. A distinguished natural science essayist, Quammen's reporting is masterful and thought provoking and his curiosity and fascination with the world of living things is infectious.

Genre: Nature
Number of Pages: 302
Language: English
ISBN: 9780684836263
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
The Forgotten Peninsula
A Naturalist in Baja California
Joseph Wood Krutch
University of Arizona Press (1986)

Summary:
The author deftly weaves the materials of natural and human history into a radiant, tightly woven fabric. . . . This classic is a book for all seasons— to be reread and savored over the years. — Latin America in Books
"His superb writing style and the timelessness of his subject (the natural world and the interaction of human beings with it) make this every bit as enjoyable today as it was in the 1960's." — Books of the Southwest
"Well-written and fascinating." — Journal of Arid Environments

Genre: Travel
Number of Pages: 277
Language: English
ISBN: 9780816509874
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The French Broad
Wilma Dykeman
Wakestone Books (1992)


Genre: Travel
Number of Pages: 371
Language: English
ISBN: 9780961385989
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

The Freshwater Fishes Of North Carolina
Menhinick

Reading Status: Finished
Date Finished: November 19, 2018
The frogs and toads of North Carolina
Field guide and recorded calls
Michael E. Dorcas


Number of Pages: 80
ISBN: 9781891097027
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Future of Life
Edward O. Wilson

Alfred A. Knopf (January 1, 2002)

Summary:
From one of the world's most influential scientists (and two-time Pulitzer Prize-winning author) comes his most timely and important book yet: an impassioned call for quick and decisive action to save Earth's biological heritage, and a plan to achieve that rescue. Today we understand that our world is infinitely richer than was ever previously guessed. Yet it is so ravaged by human activity that half its species could be gone by the end of the present century. These two contrasting truths--unexpected magnificence and underestimated peril--have become compellingly clear during the past two decades of research on biological diversity. In this dazzlingly intelligent and ultimately hopeful book, Wilson describes what treasures of the natural world we are about to lose forever--in many cases animals, insects, and plants we have only just discovered, and whose potential to nourish us, protect us, and cure our illnesses is immeasurable--and what we can do to save them. In the process, he explores the ethical and religious bases of the conservation movement and deflates the myth that environmental policy is antithetical to economic growth by illustrating how new methods of conservation can ensure long-term economic well-being. "The Future of Life" is a magisterial accomplishment: both a moving description of our biosphere and a guidebook for the protection of all its species, including humankind.

Genre: Nature
Number of Pages: 229
Language: English
ISBN: 9780679450788
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Publisher</th>
<th>Year</th>
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<tbody>
<tr>
<td>The Ghost with Trembling Wings Science, Wishful Thinking and the Search for Lost Species</td>
<td>Scott Weidensaul</td>
<td>Farrar, Straus and Giroux</td>
<td>2002</td>
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**Summary:**

The Garter Snakes: Evolution and Ecology is the first comprehensive review of the genus Thamnophis in nearly ninety years. The book includes color plates of all species (many never previously figured in color); extensive discussion of ecology, behavior, and captive care; and a modern key to all species - as well as species-by-species summaries of the systematics and natural history of the thirty different garter snakes now recognized. Of particular interest are the descriptions of lesser-known species in Mexico. Because interest in reptiles has grown dramatically in recent years, this comprehensive guide is designed to appeal to as wide an audience as possible - to both the professional herpetologist interested in the biology of Thamnophis and the hobbyist who wants to know more about these diverse and widespread snakes, both in the home aquarium and in the wild. This up-to-date, appealing book, written by the world's leading authorities, will be extremely useful not only to herpetologists but also to conservationists, ecologists, pet owners, and other readers generally interested in natural history.

Genre: Nature

Number of Pages: 332
Language: English
ISBN: 9780806128207
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Ghost with Trembling Wings: Science, Wishful Thinking and the Search for Lost Species

SCOTT WEIDENSAUL

Farrar, Straus and Giroux (June 15, 2002)

**Summary:**

A round-the-world detective story about rediscovering vanished speciesThree or four times an hour, eighty or more times a day, a unique species of plant or animal vanishes forever. It is, scientists say, the worst global extinction crisis in the last sixty-five million years -- the hemorrhage of thirty thousand irreplaceable life-forms each year. And yet, every so often one of these lost species resurfaces, such as the Indian forest owlet, considered extinct for more than a century when it was rediscovered in 1997. Like heirlooms plucked from a burning house, they are gifts to an increasingly impoverished world.In The Ghost with Trembling Wings, naturalist Scott Weidensaul pursues these stories of loss and recovery, of endurance against the odds, and of surprising resurrections. The search takes Weidensaul to the rain forests of the Caribbean and Brazil in pursuit of long-lost birds, to the rugged mountains of Tasmania for the striped, wolflike marsupial known as the thylacine, to cloning laboratories where scientists struggle to re-create long-extinct animals, and even to the moorlands and tidy farms of England on the trail of mysterious black panthers whose existence seems to depend on the faith of those looking for them. The Ghost with Trembling Wings is a book of exploration and a survey of the frontiers of modern science and wildlife biology. It is, in the end, the story of our desire for a wilder, bigger, more complete world.

Genre: Nature

Number of Pages: 352
Language: English
ISBN: 9780374246648
Reading Status: Finished
The Global Commons
An Introduction
Susan J. Buck
Island Press (March 1, 1998)

Summary:
Vast areas of valuable resources unfettered by legal rights have, for centuries, been the central target of human exploitation and appropriation. The global commons -- Antarctica, the high seas and deep seabed minerals, the atmosphere, and space -- have remained exceptions only because access has been difficult or impossible, and the technology for successful extraction has been lacking. Now, technology has caught up with desire, and management regimes are needed to guide human use of these important resource domains. In The Global Commons, Susan Buck considers the history of human interactions with each of the global commons areas and provides a concise yet thorough account of the evolution of management regimes for each area. She explains historical underpinnings of international law, examines the stakeholders involved, and discusses current policy and problems associated with it. Buck applies key analytical concepts drawn from institutional analysis and regime theory to examine how legal and political concerns have affected the evolution of management regimes for the global commons. She presents in-depth case studies of each of the four regimes, outlining the historical evolution of the commons -- development of interest in exploiting the resource domain; conflicts among nations over the use of the commons; and efforts to design institutions to control access to the domains and to regulate their use -- and concluding with a description of the management regime that eventually emerged from the informal and formal negotiations. The Global Commons provides a clear, useful introduction to the subject that will be of interest to general readers as well as to students in international relations and international environmental law, and in environmental law and policy generally.

Genre: Law
Number of Pages: 225
Language: English
ISBN: 9781559635516
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Global Environment
Institutions, Law, and Policy
Norman J. Vig, Regina S. Axelrod
CQ Press (1999)

Summary:
Threats to the earth's flora and fauna, water systems, and atmosphere have been recognized by scientists and conservationists for more than a century, but it is only within the past three decades that nations have begun to address these issues on a global scale. The Global Environment -- a timely collection of original essays -- presents an overview of the development of international environmental institutions, law and policies, and assesses their effectiveness in protecting the global environment at the end of the 20th century. Distinguished international contributors include leading academic experts on environmental politics, international law and diplomacy, and sustainable development policies.

Genre: Law
In his final book and his first full-length original title since Full House in 1996, the eminent paleontologist Stephen Jay Gould offers a surprising and nuanced study of the complex relationship between our two great ways of knowing: science and the humanities, twin realms of knowledge that have been divided against each other for far too long. In building his case, Gould shows why the common assumption of an inescapable conflict between science and the humanities is false, mounts a spirited rebuttal to the ideas that his intellectual rival E. O. Wilson set forth in his book Consilience, and explains why the pursuit of knowledge must always operate upon the bedrock of nature's randomness. The Hedgehog, the Fox, and the Magister's Pox is a controversial discourse, rich with facts and observations gathered by one of the most erudite minds of our time.

Genre: Science
Number of Pages: 273
Language: English
ISBN: 9781400051533
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
The Herpetological Contributions of Giorgio Jan (1791-1866)
With an Introduction, Annotated Bibliography, Synopsis of Herpetological Taxa, and a Comprehensive Guide to the Iconographie Générale Des Ophidiens
Jay Mathers Savage, Roy W. McDiarmid

Summary: Consists chiefly of Iconographie générale des Ophidiens, a multiple volume work by Giorgio Jan, published in France in the 1860s, and finding aids to use with it.
Genre: Pictorial works
Number of Pages: 926
Language: English
ISBN: 9780916984939
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Herpetology of Cuba
Thomas Barbour, Charles T. Ramsden

Genre: Nature
Number of Pages: 213
Language: English
ISBN: 9780916984618
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Human, the Orchid, and the Octopus
Exploring and Conserving Our Natural World
Susan Schiefelbein, Jacques Cousteau
Bloomsbury Publishing USA (August 10, 2010)

Summary:
The beloved explorer Jacques Cousteau witnessed firsthand the complexity and beauty of life on earth and undersea—and watched the toll taken by human activity in the twentieth century. In this magnificent last book, now available for the first time in the United States, Cousteau describes his deeply informed philosophy about protecting our world for future generations. Weaving gripping stories of his adventures throughout, he and coauthor Susan Schiefelbein address the risks we take with human health, the overfishing and sacking of the world's oceans, the hazards of nuclear proliferation, and the environmental responsibility of scientists, politicians, and people of faith. This prescient, clear-sighted book is a remarkable testament to the life and work of one of our greatest modern adventurers.

**Genre:** Science  
**Number of Pages:** 320  
**Language:** English  
**ISBN:** 9781596917552  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**The Iguanid Lizards of Cuba**  
Lourdes Rodríguez Schettino, Alberto Coy Otero  
University Press of Florida (November 1, 1999)

**Number of Pages:** 428  
**ISBN:** 9780813016474  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**The Immense Journey**  
An Imaginative Naturalist Explores the Mysteries of Man and Nature  
Loren Eiseley  
Knopf Doubleday Publishing Group (July 13, 2011)

**Summary:**  
Anthropologist and naturalist Loren Eiseley blends scientific knowledge and imaginative vision in this story of man.  
**Genre:** Nature  
**Number of Pages:** 224  
**Language:** English  
**ISBN:** 9780307801937  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
The Insects
An Outline of Entomology
P. J. Gullan, P. S. Cranston

John Wiley & Sons (November 3, 2014)

Summary:
Insects represent over half of the planet's biological diversity. This popular textbook provides a comprehensive introduction to this extraordinary diversity, and places entomology central to the theory and practice of evolutionary and ecological studies. Fully revised, this fifth edition opens with a chapter concerning the popular side of insect studies, including insects in citizen science, zoos and butterfly houses, and insects as food for humans and animals. Key features of insect structure, function, behaviour, ecology and classification are integrated with appropriate molecular studies. Much of the book is organized around major biological themes: living on the ground, in water, on plants, in colonies, and as predators, parasites/parasitoids and prey insects. A strong evolutionary theme is maintained throughout. There is major revision to the chapter on systematics and a new chapter, Insects in a Changing World, includes insect responses to, and the consequences of, both climate change and human-assisted global alterations to distributions. Updated 'Taxoboxes' demonstrate topical issues and provide concise information on all aspects of each of the 28 major groupings (orders) of insects, plus the three orders of non-insect hexapods. New boxes describe a worrying increase in insect threats to landscape and commercial trees (including eucalypts, palms and coffee) and explain the value of genetic data, including evolutionary developmental biology and DNA barcoding, in insect biodiversity studies. The authors maintain the clarity and conciseness of earlier editions, and extend the profuse illustrations with new hand-drawn figures. Over 50 colour photographs, together with the informative text and an accompanying website with links to video clips, appendices, textboxes and further reading lists, encourage a deeper scientific study of insects. The book is intended as the principal text for students studying entomology, as well as a reference text for undergraduate and graduate courses in the fields of ecology, agriculture, fisheries and forestry, palaeontology, zoology, and medical and veterinary science.

Genre: Science
Number of Pages: 595
Language: English
ISBN: 9781118846155
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
This established textbook continues to provide a comprehensive and stimulating introduction to insects, a group of animals that represent over half of the planet's biological diversity. It commences with a review of the significance of insects, their immense diversity and their patterns of distribution. Insects influence all of our activities, and in seeking to understand their success, the key features of insect anatomy, physiology, behaviour, ecology, phylogeny and evolution are identified by the authors. The book is organized around major biological themes - the ecology and behaviour of living on the ground, in water, on plants, in colonies, and as predators, parasites and prey; a strong evolutionary theme is maintained throughout. The economic importance of insects is considered in chapters on medical and veterinary entomology, and pest management. A systematic synopsis of each insect order is given in the appropriate chapter, summarized in the end pages, and replaces the traditional taxon-by-taxon arrangement of other books. Methods of collecting, preserving and identifying insects are dealt with in a new final chapter, and the book ends with a tabular identification guide to insect orders. The authors maintain the tradition of clarity and conciseness set by the first edition, and the text is extensively illustrated with many newly-commissioned hand-drawn figures. A colour plate section has also been added to enhance the text and visually demonstrate essential points in the book. The illustrations and the informative text aim to encourage the scientific study of insects, either as a vocation or as a hobby. The book is intended as the principal text for students taking courses in entomology, as well as wider degree programmes in which the study of insects is important, such as ecology, agriculture, fisheries and forestry, palaeontology, zoology, and medical and veterinary science.

Genre: Science
Number of Pages: 470
Language: English
ISBN: 9780632053438
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Invisible Pyramid
Loren C. Eiseley

U of Nebraska Press (1998)

Summary:
In 1910 young Loren Eiseley watched the passage of Halley's Comet with his father. The boy who became a famous naturalist was never again to see the spectacle except in his imagination. That childhood event contributed to the profound sense of time and space that marks The Invisible Pyramid. This collection of essays, first published shortly after Americans landed on the moon, explores inner and outer space, the vastness of the cosmos, and the limits of what can be known. Bringing poetic insight to scientific discipline, Eiseley makes connections between civilizations past and present, multiple universes, humankind, and nature.

Genre: Science
Number of Pages: 173
Language: English
ISBN: 9780803267381
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
Jonathan Kingdon, one of the foremost authorities on African mammals, has written and illustrated this new field guide which sets new standards in African mammalogy. The author covers all the known species of African land mammal in a concise text providing full information on identification, distribution, ecology, evolutionary relationships, and conservation status. The focus is always on the mammals as seen in the field and on their ecology and evolutionary interrelationships. Introductory profiles summarize the characteristics of the various mammal groups, and the author simplifies many of the more complex groups of mammals by referencing genera. Twelve newly recognized species of bushbaby, fourteen newly named baboons, guenons, and mangabeys and nine newly described colobus monkeys contribute to a modern treatment of the monkeys. New species of bats, rodents, and fox as well as a fully revised listing of the duikers, squirrels and genets are included. Kingdon combines his long personal experience of life in Africa and his artistic talent with the best that modern natural history and biological science can offer. With over 480 color pictures and 280 maps covering some 1,100 mammal species, this book is an essential companion to all visiting Africa or with an interest in the mammals of the continent. Key Features: Employs the most up-to-date classification and lists all 1,150 known species Focuses on mammals as seen in the field and in their evolutionary interrelationships

Genre: Nature
Number of Pages: 476
Language: English
ISBN: 9780691116921
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
This is the culmination of man's long trek to the sea and his encounter with the stunning creatures that roam beneath the surface of the oceans. This is the extraordinary true account of the greatest divers in the world.

Genre: Sports & Recreation
Number of Pages: 183
Language: English
ISBN: 9780922769155
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
From one-celled paramecium to giant blue whales, we all have internal clocks that regulate the rhythms we live by. In The Living Clock, John Palmer, one of the world’s leading authorities on these rhythms, takes us on a tour of this broad and multifaceted subject, examining everything from glowing fruit flies to the best cures for jet lag. Palmer has a wonderful sense of humor and an eye for the startling fact. We learn that fiddler crabs—in a lab where there are no time nor tide cues—remain active when low tide would occur and motionless during high tide, the same pattern they follow in their natural habitat. (In fact, you can remove a crab’s leg and the leg will keep a tidal rhythm as long as it’s kept alive.) Moreover, humans are subject to more than one hundred biological rhythms. Mental acuity peaks in the afternoon, for instance, and our blood pressure peaks at seven in the morning (when most heart attacks occur). The time of day you take medication can affect how well it works. And Palmer shows that when our clocks are thrown off kilter, trouble follows, especially for rotating shift workers—the Bhopal spill, the Chernobyl reactor explosion, and the Three Mile Island accident all happened when new crews began early-hour shifts. No one has discovered exactly how our internal clocks work—Palmer says a Nobel Prize awaits that lucky scientist—but they are no less fascinating for their inexplicable nature. Frequently amusing and always eye-opening, The Living Clock is a treat for everyone curious about the nature of life as well as anyone planning a long jet flight.

Genre: Science
Number of Pages: 162
Language: English
ISBN: 9780195143409
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Living Sea
Jacques Yves Cousteau

Ballantine Books (1973)

Genre: Deep diving
Number of Pages: 290
Language: English
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
The Lizards of Australia and New Zealand

Gray, John Edward Gray, Albert Carl Ludwig Gotthilf Günther


Genre: Lizards
Number of Pages: 26
Language: English
ISBN: 9780916984342
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

The Log from the Sea of Cortez

John Steinbeck

Penguin (November 1, 1995)

Genre: Travel
Number of Pages: 320
Language: English
ISBN: 9781440674044
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
The lying stones of Marrakech
penultimate reflections in natural history
Stephen Jay Gould
Harmony Books (2000)

Genre: Non-fiction
Number of Pages: 372
ISBN: 9780609601426
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Mismeasure of Man
Stephen Jay Gould
W. W. Norton & Company (1996)

Summary:
When published in 1981, The Mismeasure of Man was immediately hailed as a masterwork, the ringing answer to those who would classify people, rank them according to their supposed genetic gifts and limits. And yet the idea of innate limits—of biology as destiny—dies hard, as witness the attention devoted to The Bell Curve, whose arguments are here so effectively anticipated and thoroughly undermined by Stephen Jay Gould. In this edition Dr. Gould has written a substantial new introduction telling how and why he wrote the book and tracing the subsequent history of the controversy on innateness right through The Bell Curve. Further, he has added five essays on questions of The Bell Curve in particular and on race, racism, and biological determinism in general. These additions strengthen the book's claim to be, as Leo J. Kamin of Princeton University has said, "a major contribution toward deflating pseudo-biological 'explanations' of our present social woes."

Genre: Non-fiction
Number of Pages: 444
Language: English
ISBN: 9780393314250
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The National parks and other wild places of Malaysia
text by WWF Malaysia, photographs by Gerald Cubitt
New Holland (1998)
The Natural History of Madagascar
Steven M. Goodman, Jonathan P. Benstead
University of Chicago Press (March 1, 2007)

Summary:
Separated from the mainland of Africa for 160 million years, Madagascar has evolved an incredible wealth of biodiversity, with thousands of species that can be found nowhere else on earth. For instance, of its estimated 12,000 plant species, nearly 10,000 are unique to Madagascar. Malagasy animals are just as spectacular, from its almost forty currently recognized species of lemurs—a primate group found only here—to the numerous species of tiny dwarf chameleons. With astounding frequency scientists discover a previously unknown species in Madagascar—and at almost the same rate another natural area of habitat is degraded or destroyed, a combination that recently led conservation organizations to name Madagascar one of the most important and threatened conservation priorities on the planet. The Natural History of Madagascar provides the most comprehensive, up-to-date synthesis available of this island nation's priceless biological treasures. Contributions by nearly three hundred world-renowned experts cover the history of scientific exploration in Madagascar, its geology and soils, climate, forest ecology, human ecology, marine and coastal ecosystems, plants, invertebrates, fishes, amphibians, reptiles, birds, and mammals. Detailed discussions of conservation efforts in Madagascar highlight several successful park reserve programs that could serve as models for other areas. Beautifully illustrated throughout, the book includes over one hundred color illustrations, with fifty color photos by nature photographer Harald Schütz, as well as more than three hundred black-and-white photographs and line drawings. The Natural History of Madagascar will be the invaluable reference for anyone interested in the Malagasy environment, from biologists and conservationists to policymakers and ecotourists. "For those who are serious about getting to know this fascinating island, there is no better resource."—Tim Flannery, Nature "A magnificent overview of one of the strangest and most glorious chunks of the planet."—Adrian Barnett, New Scientist "A scientific milestone and by far the largest synthesis of tropical biology research ever."—Science

Genre: Science
Number of Pages: 1,709
Language: English
ISBN: 9780226303079
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
The Neutral Theory of Molecular Evolution
Motoo Kimura

Cambridge University Press (1983)

Summary:
Motoo Kimura, as founder of the neutral theory, is uniquely placed to write this book. He first proposed the theory in 1968 to explain the unexpectedly high rate of evolutionary change and very large amount of intraspecific variability at the molecular level that had been uncovered by new techniques in molecular biology. The theory - which asserts that the great majority of evolutionary changes at the molecular level are caused not by Darwinian selection but by random drift of selectively neutral mutants - has caused controversy ever since. This book is the first comprehensive treatment of this subject and the author synthesises a wealth of material - ranging from a historical perspective, through recent molecular discoveries, to sophisticated mathematical arguments - all presented in a most lucid manner.

Genre: Science
Number of Pages: 367
Language: English
ISBN: 9780521317931
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

The new zoo
Say hello to the world's newly discovered animals!
James Buckley

Number of Pages: 64
ISBN: 9781936310579
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
The Next Fifty Years
Science in the First Half of the Twenty-First Century
John Brockman


Summary:
Theoretical physicist and bestselling author Paul Davies examines the likelihood that by the year 2050 we will be able to establish a continuing human presence on Mars. Psychologist Mihaly Csikszentmihalyi investigates the ramifications of engineering high-IQ, genetically happy babies. Psychiatrist Nancy Etcoff explains current research into the creation of emotion-sensing jewelry that could gauge our moods and tell us when to take an anti-depressant pill. And evolutionary biologist Richard Dawkins explores the probability that we will soon be able to obtain a genome printout that predicts our natural end for the same cost as a chest x-ray. (Will we want to read it? And will insurance companies and governments have access to it?) This fascinating and unprecedented book explores not only th

Genre: Science
Number of Pages: 301
Language: English
ISBN: 9780375713422
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Odd Quantum
Sam B. Treiman


Summary:
This is a rare and much-needed book: a concise but comprehensive account of quantum mechanics for popular science readers written by a respected physicist. Sam Treiman--internationally renowned for his work in particle physics--makes quantum mechanics accessible to nonspecialists. Combining mastery of the material with clear, elegant prose and infectious enthusiasm, he conveys the substance, methods, and profound oddities of the field. Treiman begins with an overview of quantum mechanics. He sketches the early development of the field by Einstein, Bohr, Heisenberg, Schrödinger, and others, and he makes clear how the quantum outlook flies in the face of common sense. As he explains, the quantum world is intrinsically probabilistic. For example, a particle is not in general in some particular place at a given instant, nor does it have a definite momentum. According to the Heisenberg uncertainty principle, there is a limit to how well both location and momentum can be specified simultaneously. In addition, particles can move through barriers and otherwise move in regions of space that are forbidden by classical mechanics. If a particle has a choice of different paths, it pursues all of them at once. Particles display wave-like characteristics and waves show particle-like characteristics. Treiman pays special attention to the more fundamental wave outlook and its expression in quantum field theory. He deals here with the remarkable fact that all the particles of a given species are strictly identical, and with the unnerving fact that particles can be created and destroyed. As Treiman introduces us to these and other wonders, he also touches--without resolution--on some of the deep philosophical problems of quantum mechanics, notably how probabilities become facts. Weaving together impeccable and up-to-date science, engaging writing, and a talent for clear explanation honed over Treiman's distinguished career as a physicist and teacher, The Odd Quantum is a remarkable survey of a field that changed the course of modern scientific and philosophical thought.

Genre: Science
Number of Pages: 262
Language: English
The Open Sea, Its Natural History
The World of Plankton
Alister Clavering Hardy (Sir.)

Collins (1958)

Genre: Marine biology
Number of Pages: 335
Language: English
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Origin of Species by Means of Natural Selection
Or the Preservation of Favoured Races in the Struggle for Life
Charles Darwin

Penguin Books Limited (July 29, 1982)

Summary:
Perhaps the most readable and accessible of the great works of scientific imagination, The Origin of Species sold out on the day it was published in 1859. Theologians quickly labeled Charles Darwin the most dangerous man in England, and, as the Saturday Review noted, the uproar over the book quickly "passed beyond the bounds of the study and lecture-room into the drawing-room and the public street." Yet, after reading it, Darwin's friend and colleague T. H. Huxley had a different reaction: "How extremely stupid not to have thought of that."Based largely on Darwin's experience as a naturalist while on a five-year voyage aboard H.M.S. Beagle, The Origin of Species set forth a theory of evolution and natural selection that challenged contemporary beliefs about divine providence and the immutability of species. A landmark contribution to philosophical and scientific thought, this edition also includes an introductory historical sketch and a glossary Darwin later added to the original text.Charles Darwin grew up considered, by his own account, "a very ordinary boy, rather below the common standard of intellect." A quirk of fate kept him from the career his father had deemed appropriate—that of a country parson—when a botanist recommended Darwin for an appointment as a naturalist aboard H.M.S. Beagle from 1831 to 1836. Darwin is also the author of the five-volume work Zoology of the Voyage of the Beagle (1839) and The Descent of Man (1871).

Genre: Science
Number of Pages: 476
Language: English
ISBN: 9780140432053
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
With official genomic blueprints now available for hundreds of species, and thousands more expected in the near future, the field of biology has been forever transformed. Such readily accessible data have encouraged the proliferation of adaptive arguments for the evolution of gene and genomic features, often with little or no attention being given to simpler and more powerful alternative explanations. By integrating the central observations from molecular biology and population genetics relevant to comparative genomics, Lynch shows why the details matter. Presented in a nontechnical fashion, at both the population-genetic and molecular-genetic levels, this book offers a unifying explanatory framework for how the peculiar architectural diversity of eukaryotic genomes and genes came to arise. Under Lynch's hypothesis, the genome-wide repatterning of eukaryotic gene structure, which resulted primarily from nonadaptive processes, provided an entirely novel resource from which natural selection could secondarily build new forms of organismal complexity.

Genre: Medical
Number of Pages: 494
Language: English
ISBN: 9780878934843
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office
The Panda's Thumb

More Reflections in Natural History

Stephen Jay Gould

Norton (1992)

Summary:
With sales of well over one million copies in North America alone, the commercial success of Gould's books now matches their critical acclaim. The Panda's Thumb will introduce a new generation of readers to this unique writer, who has taken the art of the scientific essay to new heights. Were dinosaurs really dumber than lizards? Why, after all, are roughly the same number of men and women born into the world? What led the famous Dr. Down to his theory of mongolism, and its racist residue? What do the panda’s magical "thumb" and the sea turtle's perilous migration tell us about imperfections that prove the evolutionary rule? The wonders and mysteries of evolutionary biology are elegantly explored in these and other essays by the celebrated natural history writer Stephen Jay Gould.

Genre: Science
Number of Pages: 343
Language: English
ISBN: 9780393308198
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The People who Discovered Columbus

The Prehistory of the Bahamas

William F. Keegan

University Press of Florida (1992)

Summary:
For the Lucayan Arawaks of the Caribbean, the year 1492 marked the beginning of the end: the first people contacted by Christopher Columbus were the first extinguished. Within thirty years, a population of perhaps 80,000 had declined to, at most, a few refugees. Clearing new ground in the study of prehistoric societies, Keegan argues that a different perspective on the past provides an accurate portrait of a culture that became extinct almost 500 years ago. Keegan terms his approach paleoethnography, developing a portrait of the past by linking archaeological field data and historical documents. The result, the first overview of the prehistory of the Bahamas, explains how and why the Bahamas were colonized by the Tainos almost 1,400 years ago. The portrait includes characteristics of the islands themselves, descriptions of how the Lucayans made their settlements, what they ate, how they organized in social groups, and how their population spread throughout the archipelago. Keegan reconstructs Columbus’s voyage through the West Indies, raising questions about the explorer’s motivations and presenting a controversial theory about where, exactly, Columbus landed. Offering new perspectives on Caribbean prehistory to both scholars and general readers, the book ends with the Spaniards’ arrival and the Lucayans’ demise.

Genre: History
Number of Pages: 279
Language: English
ISBN: 9780813011370
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
The Ph.D. Process
A Student's Guide to Graduate School in the Sciences
Dale F. Bloom, Jonathan D. Karp, Nicholas Cohen

Oxford University Press (February 25, 1999)

Summary:
The Ph.D. Process offers the essential guidance that students in the biological and physical sciences need to get the most out of their years in graduate school. Drawing upon the insights of numerous current and former graduate students, this book presents a rich portrayal of the intellectual and emotional challenges inherent in becoming a scientist, and offers the informed, practical advice a "best friend" would give about each stage of the graduate school experience. What are the best strategies for applying to a graduate program? How are classes conducted? How should I choose an advisor and a research project? What steps can I take now to make myself more "employable" when I get my degree? What goes on at the oral defense? Through a balanced, thorough examination of issues ranging from lab etiquette to research stress, the authors-- each a Ph.D. in the sciences--provide the vital information that will allow students to make informed decisions all along the way to the degree. Headlined sections within each chapter make it fast and easy to look up any subject, while dozens of quotes describing personal experiences in graduate programs from people in diverse scientific fields contribute invaluable real-life expertise. Special attention is also given to the needs of international students. Read in advance, this book prepares students for each step of the graduate school experience that awaits them. Read during the course of a graduate education, it serves as a handy reference covering virtually all major issues and decisions a doctoral candidate is likely to face. The Ph.D. Process is the one book every graduate student in the biological and physical sciences can use to stay a step ahead, from application all the way through graduation.

Genre: Education
Number of Pages: 224
Language: English
ISBN: 9780199880690
Physical Location: Lab
Reading Status: Finished
Date Added: November 20, 2018
The Plant World
Fuller Et Al

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Pleasure Of Finding Things Out
The Best Short Works Of Richard P. Feynman
Richard P. Feynman

Basic Books (August 10, 2000)

Summary:
The Pleasure of Finding Things Out is a magnificent treasury of the best short works of Richard Feynman—from interviews and speeches to lectures and printed articles. A sweeping, wide-ranging collection, it presents an intimate and fascinating view of a life in science—a life like no other. From his ruminations on science in our culture to his Nobel Prize acceptance speech, this book will fascinate anyone interested in the world of ideas.

Genre: Science
Number of Pages: 288
Language: English
ISBN: 9780738203492
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Princeton Guide to Evolution
Jonathan B. Losos

Princeton University Press (2014)

Summary:
The Princeton Guide to Evolution is a comprehensive, concise, and authoritative reference to the major subjects and key concepts in evolutionary biology, from genes to mass extinctions. Edited by a distinguished team of evolutionary biologists, with contributions from leading researchers, the guide contains some 100 clear, accurate, and up-to-date articles on the most important topics in seven major areas: phylogenetics and the history of life; selection and adaptation; evolutionary processes; genes, genomes, and phenotypes; speciation and macroevolution; evolution of behavior, society, and humans; and evolution and modern society. Complete with more than 100 illustrations (including eight pages in color), glossaries of key terms, suggestions for further reading on each topic, and an index, this is an essential volume for undergraduate and graduate students, scientists in related fields, and anyone else with a serious interest in evolution. Explains key topics in some 100 concise and authoritative articles written by a team of leading evolutionary biologists. Contains more than 100 illustrations, including eight pages in color. Each article includes an outline, glossary, bibliography, and cross-references. Covers phylogenetics and the history of life; selection and adaptation; evolution of behavior, society, and humans; and evolution and modern society.

Genre: Reference
Number of Pages: 853
Language: English
ISBN: 9780691149776
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office

The R Book
Michael J. Crawley
John Wiley & Sons (December 26, 2012)

Summary:
Hugely successful and popular text presenting an extensive and comprehensive guide for all R users. The R language is recognized as one of the most powerful and flexible statistical software packages, enabling users to apply many statistical techniques that would be impossible without such software to help implement such large data sets. R has become an essential tool for understanding and carrying out research. This edition: Features full color text and extensive graphics throughout. Introduces a clear structure with numbered section headings to help readers locate information more efficiently. Looks at the evolution of R over the past five years. Features a new chapter on Bayesian Analysis and Meta-Analysis. Presents a fully revised and updated bibliography and references section. Is supported by an accompanying website allowing examples from the text to be run by the user. Praise for the first edition: ‘…if you are an R user or wannabe R user, this text is the one that should be on your shelf. The breadth of topics covered is unsurpassed when it comes to texts on data analysis in R.’ (The American Statistician, August 2008) ‘The High-level software language of R is setting standards in quantitative analysis. And now anybody can get to grips with it thanks to The R Book…’ (Professional Pensions, July 2007)

Genre: Mathematics
Number of Pages: 1,076
Language: English
ISBN: 9780470973929
Physical Location: Lab
Reading Status: Finished
Date Added: November 20, 2018
The Reptiles of Tennessee
Matthew L. Niemiller, R. Graham Reynolds, Brian T. Miller
University of Tennessee Press (2013)

Summary:
Tennessee’s biotic diversity has been well documented in field guides dedicated to its wildflowers; trees, shrubs, and woody vines; mussels; fishes; amphibians; and birds. Glaringly absent from this assemblage, however, is an equivalent statewide guide to the remarkably diverse reptiles of the Volunteer State. This book fills that void by offering the first authoritative overview of all sixty native species of reptiles occurring in Tennessee. Both a field guide and a scientific reference, this definitive work will prove useful to professionals who work with reptiles for a living as well as those just curious about the various creatures living in their own backyards. The bulk of the book is devoted to individual species accounts, each of which includes a detailed range map and comprehensive information on identification, natural history, and conservation of the lizards, snakes, turtles, and alligator native to Tennessee. Also included is information on known introduced species and species whose presence in Tennessee is questionable. Vivid color photographs illustrate each species’ various life stages. Introductory chapters provide an overview of reptile anatomy and life history, and of the geography, climate, and habitats in the state. Giving special attention to reptile conservation, the book highlights various threats to Tennessee’s reptile species—including the destruction of their habitats, malicious killing, the pet trade, hunting, and pollution—and describes the most common methods employed by herpetologists and wildlife biologists to safely capture and document reptiles in nature. Complete with a checklist that will help readers keep track of reptiles they discover, a glossary, and a list of recommended readings, organizations, and websites for those seeking additional information, Reptiles of Tennessee will prove an essential resource for teachers, biologists, and anyone having a stake in the conservation of biodiversity and the natural heritage of the Volunteer State and the nation.

Genre: Nature
Number of Pages: 366
Language: English
ISBN: 9781572339491
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Richness of Life
The Essential Stephen Jay Gould
Stephen Jay Gould
W. W. Norton & Company (2007)

Summary:
"Nature is so wondrously complex and varied that almost anything possible does happen....I rejoice in [its] multifariousness and leave the chimera of certainty to politicians and preachers."—from Ever Since Darwin Upon his death in 2002, Stephen Jay Gould stood at the pinnacle among observers of the natural world, recognized by Congress as a "living legend." His prodigious legacy—sixteen best-selling and prize-winning books, dozens of scientific papers, an unbroken series of three hundred essays in Natural History—combined to make Gould the most widely read science writer of our time. This indispensable collection of forty-eight pieces from his brilliant oeuvre includes selections from classics such as Ever Since Darwin and The Mismeasure of Man, plus articles and speeches never before published in book form. This volume, the last that will bear his name, spotlights his elegance, depth, and sheer pleasure in our world—a true celebration of an extraordinary mind.

Genre: Science
Number of Pages: 654
The Riverkeepers
Two Activists Fight to Reclaim Our Environment as a Basic Human Right
John Cronin, Robert Kennedy
Simon and Schuster (April 13, 1999)

Summary:
A modern-day David and Goliath tale, The Riverkeepers is an impassioned firsthand account by two advocates who have taken on powerful corporate and government polluters to win back the river they love. John Cronin and Robert F. Kennedy, Jr., report from the frontline of environmental activism, the Hudson River Valley, to tell us how we too can fight and win by reclaiming a fundamental right that dates back to the Magna Carta - the right to defend and enjoy our invaluable natural resources. Revealing shocking stories of commonplace environmental crime - from drinking water tainted with hospital waste to fish populations contaminated by freely dumped PCBs - John and Bobby describe their dramatic confrontations with more than ninety environmental lawbreakers. They vividly recount the hands-on investigations, the groundbreaking court battles, and the courageous local heroes that characterize their mission to bring to justice some of the world's most powerful institutions. Interweaving the personal, philosophical, and political, The Riverkeepers is a timely call to action that will resonate across America as the backlash spearheaded by congressional leaders and their major corporate allies threatens to reverse the hard-won victories in environmental law and policy. It is an eloquent and essential reminder that environmentalism is really about defending democracy and our most basic rights as citizens.

The Science of Genetics
George W. Burns, P. J. Bottino
Macmillan (1989)

Summary:
The sixth edition of this successful introductory genetics retains its traditional appeal, but now incorporates current coverage of such areas as Recombinant DNA and Molecular Genetics. While covering all basic areas of genetics, this text allows for flexibility in course organization.

Genre: Nature
Number of Pages: 304
Language: English
ISBN: 9780684846255
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

Genre: Science
Number of Pages: 491
Language: English
ISBN: 9780023174001
The Science of God
The Convergence of Scientific and Biblical Wisdom
Gerald L. Schroeder

Summary:
Schroeder (Genesis and the Big Bang, LJ 9/15/90) is an Israeli physicist and scholar of Genesis who maintains that a properly understood Bible and a properly understood science provide consistent sets of data. In recent decades, scientific discoveries in cosmology, paleontology, and quantum physics do not demonstrate or prove the activity of God, but they do remove conflict with that activity. Rapprochement occurs when believers read the Bible on the Bible's terms, avoiding literalism, and when scientists realize that science is powerless to pronounce on a purpose for life. Schroeder is very lucid in explaining difficult scientific concepts, such as the passage of time according to the theory of relativity, and religious data, such as the original Hebrew words. Schroeder's careful and responsible handling of the data on origins from science and Genesis 1, combined with a fresh, judicious correlation between the two, is compelling.

Genre: Religion
Number of Pages: 226
Language: English
ISBN: 9780767903035
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Sea Around Us
Rachel Carson

Summary:
National Book Award Winner and New York Times Bestseller: Explore earth's most precious, mysterious resource—the ocean—with the author of Silent Spring. With more than one million copies sold, Rachel Carson's The Sea Around Us became a cultural phenomenon when first published in 1951 and cemented Carson's status as the preeminent natural history writer of her time. Her inspiring, intimate writing plumbs the depths of an enigmatic world—a place of hidden lands, islands newly risen from the earth's crust, fish that pour through the water, and the unyielding, epic battle for survival. Firmly based in the scientific discoveries of the time, The Sea Around Us masterfully presents Carson's commitment to a healthy planet and a fully realized sense of wonder. This ebook features an illustrated biography of Rachel Carson including rare photos and never-before-seen documents from the Beinecke Rare Book and Manuscript Library at Yale University.

Genre: Nature
Number of Pages: 250
Language: English
ISBN: 9781453214763
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
**The Secret World of Red Wolves**

**The fight to save North America's other wolf**

T. Delene Beeland

The University of North Carolina Press

Summary:

Red wolves are shy, elusive, and misunderstood predators. Until the 1800s, they were common in the longleaf pine savannas and deciduous forests of the southeastern United States. However, habitat degradation, persecution, and interbreeding with the coyote nearly annihilated them. Today, reintroduced red wolves are found only in peninsular northeastern North Carolina within less than 1 percent of their former range. In The Secret World of Red Wolves, nature writer T. Delene Beeland shadows the U.S. Fish and Wildlife Service's pioneering recovery program over the course of a year to craft an intimate portrait of the red wolf, its history, and its restoration. Her engaging exploration of this top-level predator traces the intense effort of conservation personnel to save a species that has slipped to the verge of extinction. Beeland weaves together the voices of scientists, conservationists, and local landowners while posing larger questions about human coexistence with red wolves, our understanding of what defines this animal as a distinct species, and how climate change may swamp its current habitat.

Genre: Animals

Number of Pages: 256

Language: English

ISBN: 9781469626543

Reading Status: Finished

Date Finished: November 19, 2018

Loan To: Claire

Date Loaned: November 19, 2018

Date Added: November 12, 2018

Tags: Office

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**The Sharks of North American Waters**

Jose I. Castro

Texas A&M University Press (February 1, 1996)

Summary:

For many years, brief encounters between sharks and humans could leave the latter with a vivid memory of the much-maligned fish but no convenient means of identifying it more specifically. With the publication of The Sharks of North American Waters in 1983, everyone from the experienced ichthyologist to the weekend angler had access to concise descriptions and accurate, detailed drawings in this handy field guide to more than one hundred species. All species that have been reported within five hundred nautical miles of U.S. and Canadian shores (plus a few deep-water species from adjacent areas) are illustrated, with summaries of diagnostic characteristics, similar species, geographic range, biology, reproduction, utility, and fishing methods. An illustrated key to the families of sharks, family descriptions, and species characteristics makes field identification simple. Also included is a general account of the evolution of sharks, their anatomy, reproduction, and distribution.

Genre: Nature

Number of Pages: 196
The Silent World
Jacques-Yves Cousteau
World Books Society (1900)

Genre: Deep diving
Number of Pages: 223
Language: English
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Skeleton Revealed
An Illustrated Tour of the Vertebrates
Steve Huskey
JHU Press (February 15, 2017)

Summary:
The vertebrate skeleton is one of nature’s most amazing feats. Composed of cartilage and bone, it forms the supportive structure for all the remaining aspects of our anatomy. Stripped of skin, we can see the body’s fascinating underlying architecture. In this one-of-a-kind book, biologist and skeletal reconstructionist Steve Huskey lays bare the vertebrate skeleton, providing a guided tour of the nuanced differences among the many featured vertebrate species. Using skeletal preparations he has spent decades assembling, Huskey helps us understand why animals live the way they do. He shows us the jaw and fang structures that allow venomous snakes to both kill and consume their prey whole. We see that the eastern mole is built like a weightlifter, allowing it to “swim through soil.” Startling images demonstrate that the odd-looking trumpetfish is built not for music but for suction, with a skull that expands to vacuum in its prey. The pages of The Skeleton Revealed illuminate not only the elegance of each skeleton, but also the natural history story each skeleton tells. Come along—let’s take a voyage through the boneyard.

Genre: Medical
Number of Pages: 360
Language: English
ISBN: 9781421421483
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
Although it was still too dark to see well, Joe absentmindedly thrust his right hand into the sack to extract the specimen and have a look. Immediately, he winced with pain and yanked out his hand. A tiny black-and-white banded snake, less than ten inches long, was dangling limply from his middle finger, its fangs still sunk into his flesh. In the fall of 2001, deep in the jungle of Burma, a team of scientists is searching for rare snakes. They are led by Dr. Joe Slowinski, at forty already one of the most brilliant biologists of our time. It is the most ambitious scientific expedition ever mounted into this remote region, venturing into the foothills of the Himalayas. The bold undertaking is brought to a dramatic halt by the bite of the many-banded krait, the deadliest serpent in Asia. In the moment he pulled his hand from the specimen bag and saw the krait, Joe knew that his life was in grave and imminent peril. Thus began one of the most remarkable wilderness rescue attempts of modern times, as Joe's teammates kept him alive for thirty hours by mouth-to-mouth respiration, waiting for a rescue that never came.

A daredevil obsessed with venomous snakes since his youth, Slowinski was a modern-day adventurer who rose quickly to the top of his field, discovering many previously unidentified snake species in his brief yet exhilarating career. The Snake Charmer is at once brilliant biography and exotic travel literature, blended with an accessible introduction to the bizarre, fascinating-and sometimes controversial-world of snake science. The narrative transports the reader into primeval wilderness, from the Everglades to Peru to Burma, in search of rattlesnakes and boa constrictors, kraits and cobras. Joe Slowinski's career was fast and exciting, his tragic final expedition a pulse-pounding struggle between man and nature. In The Snake Charmer, renowned journalist and author Jamie James captures the life and death of this charismatic, endlessly fascinating man. Exhaustively researched in interviews with Slowinski's colleagues and family, and the author's own trek into the wilds of Burma, this is narrative nonfiction in the tradition of Into the Wild and The Perfect Storm.
The Snakes of Honduras
Systematics, Distribution, and Conservation
James R. McCranie

Society for the Study Of Amphibians (2011)

The Song of the Dodo
Island Biogeography in an Age of Extinctions
David Quammen

Simon and Schuster (March 15, 2011)

Summary:
David Quammen's book, The Song of the Dodo, is a brilliant, stirring work, breathtaking in its scope, far-reaching in its message -- a crucial book in precarious times, which radically alters the way in which we understand the natural world and our place in that world. It's also a book full of entertainment and wonders. In The Song of the Dodo, we follow Quammen's keen intellect through the ideas, theories, and experiments of prominent naturalists of the last two centuries. We trail after him as he travels the world, tracking the subject of island biogeography, which encompasses nothing less than the study of the origin and extinction of all species. Why is this island idea so important? Because islands are where species most commonly go extinct -- and because, as Quammen points out, we live in an age when all of Earth's landscapes are being chopped into island-like fragments by human activity. Through his eyes, we glimpse the nature of evolution and extinction, and in so doing come to understand the monumental diversity of our planet, and the importance of preserving its wild landscapes, animals, and plants. We also meet some fascinating human characters. By the book's end we are wiser, and more deeply concerned, but Quammen leaves us with a message of excitement and hope.

Genre: Nature
Number of Pages: 714
Language: English
ISBN: 9780916984816
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Summary:
The world’s most revered and eloquent interpreter of evolutionary ideas offers here a work of explanatory force unprecedented in our time—a landmark publication, both for its historical sweep and for its scientific vision. With characteristic attention to detail, Stephen Jay Gould first describes the content and discusses the history and origins of the three core commitments of classical Darwinism: that natural selection works on organisms, not genes or species; that it is almost exclusively the mechanism of adaptive evolutionary change; and that these changes are incremental, not drastic. Next, he examines the three critiques that currently challenge this classic Darwinian edifice: that selection operates on multiple levels, from the gene to the group; that evolution proceeds by a variety of mechanisms, not just natural selection; and that causes operating at broader scales, including catastrophes, have figured prominently in the course of evolution. Then, in a stunning tour de force that will likely stimulate discussion and debate for decades, Gould proposes his own system for integrating these classical commitments and contemporary critiques into a new structure of evolutionary thought. In 2001 the Library of Congress named Stephen Jay Gould one of America’s eighty-three Living Legends—people who embody the “quintessentially American ideal of individual creativity, conviction, dedication, and exuberance.” Each of these qualities finds full expression in this peerless work, the likes of which the scientific world has not seen—and may not see again—for well over a century.

Genre: Science
Number of Pages: 1,433
Language: English
ISBN: 9780674006133
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Summary:
Thomas S. Kuhn’s classic book is now available with a new index. "A landmark in intellectual history which has attracted attention far beyond its own immediate field. . . . It is written with a combination of depth and clarity that make it an almost unbroken series of aphorisms. . . . Kuhn does not permit truth to be a criterion of scientific theories, he would presumably not claim his own theory to be true. But if causing a revolution is the hallmark of a superior paradigm, [this book] has been a resounding success”. --Nicholas Wade, "Science" "Perhaps the best explanation of [the] process of discovery". --William Erwin Thompson, "New York Times Book Review" "Occasionally there emerges a book which has an influence far beyond its originally intended audience. . . . Thomas Kuhn's "The Structure of Scientific Revolutions" . . . has clearly emerged as just such a work”. --Ron Johnston, "Times Higher Education Supplement" "Among the most influential academic books in this century", -- "Choice" --One of "The Hundred Most Influential Books Since the Second World War", "Times Literary Supplement" Thomas S. Kuhn was the Laurence Rockefeller Professor Emeritus of linguistics and philosophy at the Massachusetts Institute of Technology. His books include "The Essential Tension; Black-Body Theory and the Quantum Discontinuity, 1894-1912; " and "The Copernican Revolution".
Genre: Science
Number of Pages: 212
The Tangled Tree
a radical new history of life
David Quammen
Simon & Schuster (August 14, 2018)

Summary:
Longlisted for the National Book Award for NonfictionNonpareil science writer David Quammen explains how recent discoveries in molecular biology can change our understanding of evolution and life’s history, with powerful implications for human health and even our own human nature. In the mid-1970s, scientists began using DNA sequences to reexamine the history of all life. Perhaps the most startling discovery to come out of this new field—the study of life’s diversity and relatedness at the molecular level—is horizontal gene transfer (HGT), or the movement of genes across species lines. It turns out that HGT has been widespread and important. For instance, we now know that roughly eight percent of the human genome arrived not through traditional inheritance from directly ancestral forms, but sideways by viral infection—a type of HGT. In The Tangled Tree David Quammen, “one of that rare breed of science journalists who blends exploration with a talent for synthesis and storytelling” (Nature), chronicles these discoveries through the lives of the researchers who made them—such as Carl Woese, the most important little-known biologist of the twentieth century; Lynn Margulis, the notorious maverick whose wild ideas about “mosaic” creatures proved to be true; and Tsutomu Wantanabe, who discovered that the scourge of antibiotic-resistant bacteria is a direct result of horizontal gene transfer, bringing the deep study of genome histories to bear on a global crisis in public health. “Quammen is no ordinary writer. He is simply astonishing, one of that rare class of writer gifted with verve, ingenuity, humor, guts, and great heart” (Elle). Now, in The Tangled Tree, he explains how molecular studies of evolution have brought startling recognitions about the tangled tree of life—including where we humans fit upon it. Thanks to new technologies such as CRISPR, we now have the ability to alter even our genetic composition—through sideways insertions, as nature has long been doing. The Tangled Tree is a brilliant guide to our transformed understanding of evolution, of life’s history, and of our own human nature.

Genre: Life Sciences
Number of Pages: 461
Language: English
ISBN: 9781476776620
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 2, 2018
Tags: Office

The Theory of Island Biogeography
Robert H. MacArthur, Edward O. Wilson
Princeton University Press (2001)

Summary:
Biogeography was stuck in a "natural history phase" dominated by the collection of data, the young Princeton biologists Robert H. MacArthur and Edward O. Wilson argued in 1967. In this book, the authors developed a general theory to explain the facts of island biogeography. The theory builds on the first principles of population ecology and genetics to explain how distance and area combine to regulate the balance between immigration and extinction in island populations. The authors then test the theory against data. The Theory of Island Biogeography was never intended as the last word on the subject. Instead, MacArthur and Wilson sought to stimulate new forms of theoretical and empirical studies, which will lead in turn to a stronger general theory. Even a third of a century since its publication, the book continues to serve that purpose well. From popular books like David Quammen's Song of the Dodo to arguments in the professional literature, The Theory of Island Biogeography remains at the center of discussions about the geographic distribution of species. In a new preface, Edward O. Wilson reviews the origins and consequences of this classic book.

Genre: Science
Number of Pages: 203
Language: English
ISBN: 9780691088365
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Turning Point
Science, Society, and the Rising Culture
Fritjof Capra
Bantam Books (1983)

Summary:
"We are trying to apply the concepts of an outdated world view--the mechanistic world view of Cartesian-Newtonian science--to a reality that can no longer be understood in terms of these concepts... To describe this world appropriately, we need an ecological perspective that the Cartesian world view does not offer." (Preface 15,16).

Genre: Social Science
Number of Pages: 464
Language: English
ISBN: 9780553345728
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The venomous reptiles of Latin America
Jonathan A. Campbell, William W. Lamar

Genre: Nature
Number of Pages: 425
Language: English
ISBN: 9780801420597
Reading Status: Finished
**Summary:**

In 1831, Charles Darwin embarked on an expedition that, in his own words, determined my whole career. The Voyage of the Beagle chronicles his five-year journey around the world and especially the coastal waters of South America as a naturalist on the H.M.S. Beagle. While traveling through these unexplored countries collecting specimens, Darwin began to formulate the theories of evolution and natural selection realized in his master work, The Origin of Species. Travel memoir and scientific primer alike, The Voyage of the Beagle is a lively and accessible introduction to the mind of one of history's most influential thinkers.

**Genre:** History

**Number of Pages:** 468

**Language:** English

**ISBN:** 9780375756801

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
The Wine of Life, and Other Essays on Societies, Energy & Living Things
Harold J. Morowitz
St. Martin's Press (1979)

Summary:
The Yale professor and acclaimed essayist examines Fijian fire-walking, the six-million-dollar man, shrews, great blue whales, bacteria and stockbrokers, recombinant DNA, jogging, and other inviting topics

Genre: Science
Number of Pages: 265
Language: English
ISBN: 9780312882273
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

The Woods Hole cantata essays on science and society
Gerald Weissmann
Houghton Mifflin Co. (July 1, 1986)

Summary:
Essays discuss biological, research, hospitals, mental patients, cholera, AIDS, folk medicine, genetics, abortion, nuclear war, medical ethics, and literature

Genre: Biology - Social aspects
Number of Pages: 230
Language: English
ISBN: 9780395421130
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 16, 2018
Tags: Office

The World According to Pimm A Scientist Audits the Earth
Stuart Leonard Pimm, Pimm Stuart

Summary:
Ever since the publication of Rachel Carson's Silent Spring in the '60s, we've known that human activity has had detrimental effects on the environment. Yet after four decades of growing awareness of environmental problems, we still see passionate disagreement between activists and business interests over what should be done. Much of the impasse stems from the fact that the problems are difficult to quantify. How do we assess the impact of habitat loss on species, when we haven't even counted them all, and we are just beginning to understand how they interact? How do we determine how great a population the ecosystem can bear, when we have yet to quantify the depletion of resources? How do we know if current extinction rates are excessive if we don't know what normal extinction rates are? Without scientific, numerical information we cannot make headway on these issues. Working on the front lines of conservation biology since the early '70s, Stuart Pimm is one of the pioneers whose work has put the science in environmental science. His research covers the reasons why species become extinct, how fast they do so, the global patterns of habitat loss and species extinction, the role of
This text provides a survey of the critical connections between religion, nature and the environment. It includes writings from sacred texts and a broad spectrum of eco-theological selections as well as historical and contemporary selections from key authors and a multicultural range of sources. Traditional religious myths, creation stories, and conceptions of nature are surveyed - with selections from Jewish, Christian, Native American, Indian, African, Chinese and indigenous texts and commentators. This work also focuses on religion in an age of environmental crisis. Exploring religious rituals that help us respond to nature, the complex relations between religion, ecology and society, including the religious role in environmental political movements, are also examined.

**Genre:** Philosophy of nature  
**Number of Pages:** 673  
**Language:** English  
**ISBN:** 9780415912334  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Throwim Way Leg**  
**Tree Kangaroos, Possums and Penis Gourds - On the Track of Unknown Mammals in Wildest New Guinea**  
Tim Flannery  

**Summary:**  
Flannery travels to the unexplored regions of New Guinea in search of species that science has yet to discover or classify. He finds many -- from a community of giant cave bats that were supposedly extinct to the elusive black-and-white tree-kangaroo -- and along the way has a wealth of unforgettable adventures. Flannery scales cliffs, descends into caverns, and cheats death, both from disease and at the hands of the local cannibals, who wish to take revenge on his "clan" of wildlife scientists. He eventually befriends the tribespeople, who become companions in his quest and whose contributions to his research prove invaluable. In New Guinea pidgin, throwim way leg means to take the first step of a long journey. The journey in this book is a wild ride full of natural wonders and Flannery's trademark wit, a tour de force of travelogue, anthropology, and natural history.

**Genre:** Nature  
**Number of Pages:** 336  
**Language:** English  
**ISBN:** 9780802136657  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Tracking and the Art of Seeing 2e**  
**How to Read Animal Tracks and Sign**  
Paul Rezendes

**Summary:**

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**Tracking and the Art of Seeing 2e**  
**How to Read Animal Tracks and Sign**  
Paul Rezendes  
Harper Collins (March 24, 1999)

**Summary:**
In this newly revised and updated edition of his highly acclaimed field guide, renowned nature photographer and tracking expert Paul Rezendes brings the fields and forests to life with his unique observations on North American wildlife and their tracks and sign. Illustrated with hundreds of his original photographs, Tracking & the Art of Seeing provides complete information on the behavior and habitat of over 50 animal species and shows you how to identify animals by their tracks, tail patterns, droppings, dens, scratches and other signs.

**Genre:** Nature  
**Number of Pages:** 336  
**Language:** English  
**ISBN:** 9780062735249  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

**Trees of the Caribbean**  
S. A. Seddon, G. W. Lennox  
Macmillan Caribbean (January 1, 1980)

**Summary:**  
This book is invaluable to the casual visitor or tourist to the Caribbean in helping to identify the more common and interesting trees likely to be encountered during a short stay in the islands. Each species is illustrated with at least one colour photograph and detailed information is given about leaf shape, leaf size and colour, together with descriptions of the specific flowers and fruits. Should the reader wish to study particular species in more detail, the botanical family name is supplied together with the relevant scientific name.

**Number of Pages:** 74  
**Language:** English  
**ISBN:** 9780333287934  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

**Tropical Rainforests**  
Past, Present, and Future  
Eldredge Bermingham, Christopher W. Dick, Craig Moritz  
University of Chicago Press (August 1, 2005)

**Summary:**  
Synthesizing theoretical and empirical analyses of the processes that help shape these unique ecosystems, Tropical Rainforests looks at the effects of evolutionary histories, past climate change, and ecological dynamics on the origin and maintenance of tropical rainforest communities. Featuring recent advances in paleoecology, climatology, geology, molecular systematics, biogeography, and community ecology, the volume also offers insights from those fields into how rainforests will endure the impact of anthropogenic change. With more than sixty contributors, Tropical Rainforests will be of great interest to students and professionals in tropical ecology and conservation.

**Genre:** Nature  
**Number of Pages:** 745  
**Language:** English
Turtles of the Southeast
Kurt Buhlmann, Tracey Tuberville, J. Whitfield Gibbons

University of Georgia Press (2008)

Summary:
Seventy-five percent of the turtle species in the United States can be found in the Southeast. In fact, the region is second only to parts of Asia in its number of native turtles. Filled with more than two hundred color photographs and written with a special focus on conservation, this guide covers forty-five species of this nonthreatening, ancient lineage of long-lived reptiles. Heavily illustrated, fact-filled descriptions of each species and its habitat comprise the heart of the book. Species accounts cover such information as descriptions of adults and hatchlings; key identifiers including size, distinctive characters and markings; land, river, pond, and wetland habitats; behaviors and activities; food and diet; reproduction; predators and defense; and conservation issues. Also included is a wealth of general information about the importance of turtle conservation and the biology, diversity, and life history of turtles. Discussed are distinguishing turtle characteristics; differences among turtles, tortoises, and terrapins; shell structure and architecture; reproduction and longevity; turtle predators and defense mechanisms; and turtle activities such as basking, hibernation, aestivation, and seasonal movement. Useful information about the interactions of humans and turtles is also covered: species that are likely to be commonly encountered, turtles as pets, and more. Clearly written, cleanly designed, and fun to use, the guide will promote a better understanding of the habitat needs of, and environmental challenges to, this fascinating group of animals. Features: In-depth descriptions of the forty-two native species Conservation-oriented approach More than two hundred color photographs Nearly forty distribution maps Clear descriptions of each species, including differences in the appearance of young and mature turtles "Did You Know?" sidebars of interesting turtle facts Size charts; key identifiers; and information about habitat, behavior and activity, food and feeding, reproduction, predators and defense, and conservation

Genre: Nature
Number of Pages: 252
Language: English
ISBN: 9780820329024
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Tuxedo Park
A Wall Street Tycoon and the Secret Palace of Science that Changed the Course of World War II
Jennet Conant


Summary:
In the fall of 1940, as German bombers flew over London and with America not yet at war, a small team of British scientists on orders from Winston Churchill carried out a daring trans-Atlantic mission. The British unveiled their most valuable military secret in a clandestine meeting with American nuclear physicists at the Tuxedo Park mansion of a mysterious Wall Street tycoon, Alfred Lee Loomis. Powerful, handsome, and enormously wealthy, Loomis had for years led a double life, spending his days brokering huge deals and his weekends working with the world's leading scientists in his deluxe private laboratory that was hidden in a massive stone castle. In this dramatic account of a hitherto unexplored but crucial story of the war, Jennet Conant traces one of the world's most extraordinary careers and scientific enterprises. She describes Loomis' phenomenal rise to become one of the Wall Street legends of the go-go twenties. He foresaw the stock market crash of 1929 in time to protect his vast holdings, making a fortune while other bankers were losing their shirts. He rode out the Depression years in high style, and indulged in the hobbies of the fabulously rich. He raced his own America's Cup yacht against the Vanderbilts and Astors, and purchased Hilton Head Island in South Carolina as his private game reserve. Conant writes about the glamour and privilege of his charmed circle as well as Loomis' marriage to a beautiful but depressive wife, whom he sent away for repeated hospitalizations while he pursued a covert affair with his protege's young wife. His bitter divorce scandalized New York society and drove Loomis into near seclusion in East Hampton. At the height of his influence on Wall Street, Loomis abruptly retired and devoted himself purely to science. He turned his Tuxedo Park laboratory into the meeting place for the most visionary minds of the twentieth century: Albert Einstein, Werner Heisenberg, James Franck, Niels Bohr, and Enrico Fermi. With England threatened by invasion, he joined Vannevar Bush, Karl Compton, and the author's grandfather, Harvard president James B. Conant, in mobilizing civilian scientists to defeat Nazi Germany, and personally bankrolled pioneering research into the radar detection systems that ultimately changed the course of World War II. Together with his friend Ernest Lawrence, the Nobel Prize-winning atom smasher, Loomis established a top-secret wartime laboratory at MIT and recruited the most famous names in physics. Through his close ties to his cousin Henry Stimson, who was secretary of war, Loomis was able to push FDR to spend hundreds of millions of dollars to create the advanced radar systems that defeated the German Air Force and deadly U-boats, and then to build the first atomic bomb. One of the greatest scientific generals of World War II, Loomis' legacy exists not only in the development of radar but also in his critical role in speeding the day of victory.

Genre: Biography & Autobiography

Number of Pages: 330
Language: English
ISBN: 9780684872872
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Understanding Probability
Henk Tijms
Cambridge University Press (June 14, 2012)

Summary:
Understanding Probability is a unique and stimulating approach to a first course in probability. The first part of the book demystifies probability and uses many wonderful probability applications from everyday life to help the reader develop a feel for probabilities. The second part, covering a wide range of topics, teaches clearly and simply the basics of probability. This fully revised third edition has been packed with even more exercises and examples and it includes new sections on Bayesian inference, Markov chain Monte-Carlo simulation, hitting probabilities in random walks and Brownian motion, and a new chapter on continuous-time Markov chains with applications. Here you will find all the material taught in an introductory probability course. The first part of the book, with its easy-going style, can be read by anybody with a reasonable background in high school mathematics. The second part of the book requires a basic course in calculus.

Genre: Mathematics

Number of Pages: 562
Language: English
ISBN: 9781107658561
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
**Untamed**  
*The Wildest Woman in America and the Fight for Cumberland Island*  
Will Harlan  
Grove/Atlantic, Incorporated (March 3, 2015)

**Summary:**  
Carol Ruckdeschel is the wildest woman in America. She wrestles alligators, eats roadkill, rides horses bareback, and lives in a ramshackle cabin that she built by hand in an island wilderness. A combination of Henry David Thoreau and Jane Goodall, Carol is a self-taught scientist who has become a tireless defender of sea turtles on Cumberland Island, a national park off the coast of Georgia. Cumberland, the country's largest and most biologically diverse barrier island, is celebrated for its windswept dunes and feral horses. Steel magnate Thomas Carnegie once owned much of the island, and in recent years, Carnegie heirs and the National Park Service have clashed with Carol over the island's future. What happens when a dirt-poor naturalist with only a high school diploma becomes an outspoken advocate on a celebrated but divisive island? Untamed is the story of an American original standing her ground and fighting for what she believes in, no matter the cost.

**Genre:** Biography & Autobiography  
**Number of Pages:** 320  
**Language:** English  
**ISBN:** 9780802123855  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 16, 2018  
**Tags:** Office

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**Unweaving the Rainbow**  
*Science, Delusion and the Appetite for Wonder*  
Richard Dawkins  
Houghton Mifflin (2000)

**Summary:**  
Did Newton "unweave the rainbow" by reducing it to its prismatic colors, as Keats contended? Did he, in other words, diminish beauty? Far from it, says acclaimed scientist Richard Dawkins; Newton's unweaving is the key to much of modern astronomy and to the breathtaking poetry of modern cosmology. Mysteries don't lose their poetry because they are solved: the solution often is more beautiful than the puzzle, uncovering deeper mysteries. With the wit, insight, and spellbinding prose that have made him a best-selling author, Dawkins takes up the most important and compelling topics in modern science, from astronomy and genetics to language and virtual reality, combining them in a landmark statement of the human appetite for wonder. This is the book Richard Dawkins was meant to write: a brilliant assessment of what science is (and isn't), a tribute to science not because it is useful but because it is uplifting.

**Genre:** Science  
**Number of Pages:** 336  
**Language:** English  
**ISBN:** 9780618056736  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office
Summary:
The cost of statistical computing software has precluded many universities from installing these valuable computational and analytical tools. R, a powerful open-source software package, was created in response to this issue. It has enjoyed explosive growth since its introduction, owing to its coherence, flexibility, and free availability. While it is a valuable tool for students who are first learning statistics, proper introductory materials are needed for its adoption. Using R for Introductory Statistics fills this gap in the literature, making the software accessible to the introductory student. The author presents a self-contained treatment of statistical topics and the intricacies of the R software. The pacing is such that students are able to master data manipulation and exploration before diving into more advanced statistical concepts. The book treats exploratory data analysis with more attention than is typical, includes a chapter on simulation, and provides a unified approach to linear models. This text lays the foundation for further study and development in statistics using R. Appendices cover installation, graphical user interfaces, and teaching with R, as well as information on writing functions and producing graphics. This is an ideal text for integrating the study of statistics with a powerful computational tool.

Genre: Mathematics
Number of Pages: 432
Language: English
ISBN: 9781584884507
Physical Location: Lab
Reading Status: Finished
Date Added: November 20, 2018

Summary:
A Photographic Atlas for the Biology Laboratory, Seventh Edition by Byron J. Adams and John L. Crawley is a full-color photographic atlas that provides a balanced visual representation of the diversity of biological organisms. It is designed to accompany any biology textbook or laboratory manual.

Genre: Atlases
Number of Pages: 310
Language: English
ISBN: 9781617310584
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
Van de Graaff's Photographic Atlas for the Biology Laboratory
Kent Marshall Van De Graaff, Bryon J. Adams, John L. Crawley
Morton Publishing (2013)

Summary:
A Photographic Atlas for the Biology Laboratory, Seventh Edition by Byron J. Adams and John L. Crawley is a full-color photographic atlas that provides a balanced visual representation of the diversity of biological organisms. It is designed to accompany any biology textbook or laboratory manual.

Genre: Atlases
Number of Pages: 310
Language: English
ISBN: 9781617310584
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Vertebrate Biology
Donald W. Linzey
JHU Press (February 13, 2012)

Summary:
Long recognized as the most readable textbook on vertebrate biology, this comprehensive volume covers subjects ranging from the biology of the smallest shrew to the migration of the largest whales. Thoroughly updated with the latest research, this new edition discusses taxa and topics such as• systematics and evolution• zoogeography, ecology, morphology, and reproduction• early chordates• fish, amphibians, reptiles (inclusive of birds), and mammals• population dynamics • movement and migration• behavior• study methods• extinction processes• conservation and managementComplete with appendixes and glossary, Vertebrate Biology is the ideal text for courses in zoology, vertebrate biology, vertebrate natural history, and general biology. Donald W. Linzey carefully builds theme upon theme, concept upon concept, as he walks students through a plethora of topics on the vertebrate life form. Arranged logically to follow the typical course format, Vertebrate Biology leaves students with a full understanding of the unique structure, function, and living patterns of the subphylum that includes our own species.

Genre: Science
Number of Pages: 583
Language: English
ISBN: 9781421400402
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 12, 2018
Tags: Office
Vertebrate Life
F. Harvey Pough, Christine M. Janis

Oxford University Press, Incorporated (April 20, 2018)

Summary:
Vertebrate Life, 10th Edition blends information about anatomy, physiology, ecology, and behavior to present vertebrates within an evolutionary context. Engaging and readable, the 10th edition features full color throughout with completely new photographs and line art. Important advances in vertebrate biology are highlighted, including the increasing influence of molecular phylogenies, insights provided by evo-devo, and our growing appreciation of the significance of developmental plasticity and epigenetics. Taxon-specific conservation issues are discussed in each chapter that treats extant forms.

Genre: Science
Number of Pages: 624
Language: English
ISBN: 9781605356075
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
For courses in Vertebrate Zoology, Vertebrate Biology Function, and Paleontology. Widely praised for its comprehensive coverage and exceptionally clear writing style, this best-selling text explores how the anatomy, physiology, ecology, and behavior of animals interact to produce organisms that function effectively in their environments and how lineages of organisms change through evolutionary time. The Ninth Edition features dozens of new figures and photos, updated information from molecular data and evolutionary development, and expanded discussions on global climate change, extinction, and conservation.

Genre: Science
Number of Pages: 634
Language: English
ISBN: 9780321773364
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Vertebrate Life
McFarland

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Walden and Other Writings
Henry David Thoreau

Random House Publishing Group (October 26, 2004)

Summary:
With their call for "simplicity, simplicity, simplicity!", for self-honesty, and for harmony with nature, the writings of Henry David Thoreau are perhaps the most influential philosophical works in all American literature. The selections in this volume represent Thoreau at his best. Included in their entirety are Walden, his indisputable masterpiece, and his two great arguments for nonconformity, Civil Disobedience and Life Without Principle. A lifetime of brilliant observation of nature--and of himself--is recorded in selections from A Week On The Concord And Merrimack Rivers, Cape Cod, The Maine Woods and The Journal.From the Paperback edition.

Genre: Fiction
Number of Pages: 464
Language: English
ISBN: 9780553900774
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
From aardwolves and bandicoots to yapoks and zorillas, Ernest P. Walker's Mammals of the World is the most comprehensive—the pre-eminent—reference work on mammals. Now, completely revised and updated, this fascinating guide is better than ever. Providing a complete account of every genus of mammal in all historical time, the sixth edition is 25 percent longer than its predecessor. Of the previous generic accounts, 95 percent have been substantively modified, and there are 80 new ones—among them, three remarkable, large ungulates recently discovered in the forests of Indochina. New also is a full account of the woolly mammoth, now known to have survived until less than 4,000 years ago. Each section of the book describes one genus and includes facts such as scientific and common names, the number and distribution of species, measurements and physical traits, habitat, locomotion, daily and seasonal activity, population dynamics, home range, social life, reproduction, and longevity. Textual summaries present accurate, well-documented descriptions of the physical characteristics and living habits of mammals in every part of the world. As in the last two editions, the names and distributions of every species of every genus are listed in systematic order. These lists have now been cross-checked to ensure coverage of all species in the comprehensive new Smithsonian guide, Mammal Species of the World. Facts on the biology of mammals have been brought together from more than 2,700 newly cited references, nearly all published in the last decade. Also new are the latest data on reproduction, longevity, fur harvests, numbers in the wild and in captivity, and conservation status. The sixth edition also records all official classifications of every mammal species and subspecies in the massive 1996 IUCN Red List of Threatened Animals. The illustrations—more than 1,700—include virtually every genus of mammal. Among them are pictures by such noted wildlife photographers as Leonard Lee Rue III, Bernhard Grzimek, David Pye, and Warren T. Houck. Mammals pictured here for the first time include the just-discovered giant muntjac deer of Vietnam, a rodent known only from the Solomon Islands, a large fruit bat whose male suckles the young, and an extremely rare web-footed tenrec of Madagascar. Since its publication in 1964, Walker's Mammals of the World has become a favorite guide to the natural world for general readers as well as an invaluable resource for professionals. This sixth edition represents more than half a century of scholarship—Ernest P. Walker himself devoted more than thirty years to the original project—and remains true to Walker's vision, smoothly combining thorough scholarship with a popular, readable style to preserve and enhance what the Washington Post called "a landmark of zoological literature."
From aardwolves and bandicoots to yapoks and zorillas, Ernest P. Walker's Mammals of the World is the most comprehensive—the pre-eminent—reference work on mammals. Now, completely revised and updated, this fascinating guide is better than ever. Providing a complete account of every genus of mammal in all historical time, the sixth edition is 25 percent longer than its predecessor. Of the previous generic accounts, 95 percent have been substantively modified, and there are 80 new ones—among them, three remarkable, large ungulates recently discovered in the forests of Indochina. New also is a full account of the woolly mammoth, now known to have survived until less than 4,000 years ago. Each section of the book describes one genus and includes facts such as scientific and common names, the number and distribution of species, measurements and physical traits, habitat, locomotion, daily and seasonal activity, population dynamics, home range, social life, reproduction, and longevity. Textual summaries present accurate, well-documented descriptions of the physical characteristics and living habits of mammals in every part of the world. As in the last two editions, the names and distributions of every species of every genus are listed in systematic order. These lists have now been cross-checked to ensure coverage of all species in the comprehensive new Smithsonian guide, Mammal Species of the World. Facts on the biology of mammals have been brought together from more than 2,700 newly cited references, nearly all published in the last decade. Also new are the latest data on reproduction, longevity, fur harvests, numbers in the wild and in captivity, and conservation status. The sixth edition also records all official classifications of every mammal species and subspecies in the massive 1996 IUCN Red List of Threatened Animals. The illustrations—more than 1,700—include virtually every genus of mammal. Among them are pictures by such noted wildlife photographers as Leonard Lee Rue III, Bernhard Grzimek, David Pye, and Warren T. Houck. Mammals pictured here for the first time include the just-discovered giant muntjac deer of Viet Nam, a rodent known only from the Solomon Islands, a large fruit bat whose male suckles the young, and an extremely rare web-footed tenrec of Madagascar. Since its publication in 1964, Walker's Mammals of the World has become a favorite guide to the natural world for general readers as well as an invaluable resource for professionals. This sixth edition represents more than half a century of scholarship—Ernest P. Walker himself devoted more than thirty years to the original project—and remains true to Walker's vision, smoothly combining thorough scholarship with a popular, readable style to preserve and enhance what the Washington Post called "a landmark of zoological literature."

**Genre:** Nature

**Number of Pages:** 1,936

**Language:** English

**ISBN:** 9780801857898

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**Wapiti Wilderness**

Margaret E. Murie

University Press of Colorado (1985)

⭐⭐⭐⭐⭐

**Summary:**

For over thirty-seven years, Margaret and Olaus Murie made their home in the mountainous wilderness of the Tetons, where Olaus Murie conducted his famous studies of the American elk, the wapiti. Through these years their home was almost a nature-conservation shrine to thousands of Americans interested in the out-of-doors, in animals, in nature in general. Wapiti Wilderness, begun by Mrs. Murie as a sequel to her Two in the Far North, which told of the Muries' life and expeditions in Alaska, became a book written by both the Muries. In alternate chapters, Olaus tells of his work as a field biologist for the old U.S. Bureau of Biological Survey and recounts stories of his studies of the elk and the other great animals of the West. And Mrs. Murie, from her side, describes their life together, on the trail, in the various camps, and nature adventures in that wilderness in all seasons. The book is replete with stories of Jackson Hole people, "pioneer poets," and the wild creatures that made their way into the Murie household. Olaus Murie's evocative pen-and-ink drawings illuminate each chapter, and four pages of photographs help complete the picture of what life was like in the wapiti wilderness.

**Genre:** Biography & Autobiography

**Number of Pages:** 302

**Language:** English

**ISBN:** 9780870811555

**Reading Status:** Finished

**Date Finished:** November 19, 2018
Watching Wildlife
East Africa
David Andrew, Susan Rhind
Lonely Planet (2001)

Summary:
Ready to watch the world's greatest game show? This innovative, all-in-one safari guide will help you to find, identify and understand East Africa's amazing wildlife. Where? - discover what's there and where to find it; - pinpoint directions and inside tips for East Africa's top destinations; - 58 colour maps, including all the famous parks; What? - hundreds of colour wildlife photos show you what's what; - easy-to-read background information on animal behaviour and ecology; How? - the lowdown on planning, itineraries, techniques and equipment; - expert advice on photography, safaris, gorilla-tracking, birdwatching and snorkelling.

Genre: Nature
Number of Pages: 341
Language: English
ISBN: 9781864500332
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

West Indian Amphibians And Reptiles
Schwartz, Henderson

Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

West Indian Island Arcs
PH Mattson

Reading Status: Finished
Date Finished: November 19, 2018
**What is Creation Science?**

Henry Madison Morris, Gary Parker

New Leaf Publishing Group (1987)

⭐⭐⭐⭐⭐

**Summary:**
Two leading creation scientists provide conclusive evidence for intelligent design (an extremely popular topic today), and examine the major arguments used to support evolution.

**Genre:** Religion

**Number of Pages:** 331

**Language:** English

**ISBN:** 9780890510810

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office

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**What Is Life?**

Lynn Margulis, Dorion Sagan

University of California Press (August 31, 2000)

⭐⭐⭐⭐⭐

**Summary:**
Half a century ago, before the discovery of DNA, the Austrian physicist and philosopher Erwin Schrödinger inspired a generation of scientists by rephrasing the fascinating philosophical question: What is life? Using their expansive understanding of recent science to wonderful effect, acclaimed authors Lynn Margulis and Dorion Sagan revisit this timeless question in a fast-moving, wide-ranging narrative that combines rigorous science with philosophy, history, and poetry. The authors move deftly across a dazzling array of topics—from the dynamics of the bacterial realm, to the connection between sex and death, to theories of spirit and matter. They delve into the origins of life, offering the startling suggestion that life—not just human life—is free to act and has played an unexpectedly large part in its own evolution. Transcending the various formal concepts of life, this captivating book offers a unique overview of life’s history, essences, and future. Supplementing the text are stunning illustrations that range from the smallest known organism (Mycoplasma bacteria) to the largest (the biosphere itself). Creatures both strange and familiar enhance the pages of What Is Life? Their existence prompts readers to reconsider preconceptions not only about life but also about their own part in it.

**Genre:** Philosophy

**Number of Pages:** 288

**Language:** English

**ISBN:** 9780520220218

**Reading Status:** Finished

**Date Finished:** November 19, 2018

**Date Added:** November 19, 2018

**Tags:** Office
What Makes Biology Unique?
Considerations on the Autonomy of a Scientific Discipline
Ernst Mayr, Alexander Agassiz Professor of Zoology (Emeritus) Museum of Comparative Zoology Ernst Mayr

Cambridge University Press (August 9, 2004)

Summary:
This collection of revised and new essays argues that biology is an autonomous science rather than a branch of the physical sciences. Ernst Mayr, widely considered the most eminent evolutionary biologist of the 20th century, offers insights on the history of evolutionary thought, critiques the conditions of philosophy to the science of biology, and comments on several of the major developments in evolutionary theory. Notably, Mayr explains that Darwin's theory of evolution is actually five separate theories, each with its own history, trajectory and impact. Ernst Mayr, commonly referred to as the "Darwin of the 20th century" and listed as one of the top 100 scientists of all-time, is Professor Emeritus at Harvard University. What Makes Biology Unique is the 25th book he has written during his long and prolific career. His recent books include This is Biology: The Science of the Living World (Belknap Press, 1997) and What Evolution Is (Basic Books, 2002).

Genre: Science
Number of Pages: 232
Language: English
ISBN: 9780521841146
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

When Elephants Weep
The Emotional Lives of Animals
J. Moussaieff Masson

Delta (1996)

Summary:
This national bestseller exploring the complex emotional lives of animals was hailed as "a masterpiece" by Elizabeth Marshall Thomas and as "marvelous" by Jane Goodall. The popularity of "When Elephants Weep" has swept the nation, as author Jeffrey Masson appeared on Dateline NBC, Good Morning America, and was profiled in "People" for his ground-breaking and fascinating study. Not since Darwin's "The Expression of Emotions in Man and Animals" has a book so thoroughly and effectively explored the full range of emotions that exist throughout the animal kingdom. From dancing squirrels to bashful gorillas to spiteful killer whales, Masson and coauthor Susan McCarthy bring forth fascinating anecdotes and illuminating insights that offer powerful proof of the existence of animal emotion. Chapters on love, joy, anger, fear, shame, compassion, and loneliness are framed by a provocative re-evaluation of how we treat animals, from hunting and eating them to scientific experimentation. Forming a complete and compelling picture of the inner lives of animals, "When Elephants Weep" assures that we will never look at animals in the same way again. "Fascinating...Compassionate...A book to be read more than once...A kind of nature lover's rendezvous with reality". -- "Philadelphia Inquirer" "In this impassioned volume [Masson and McCarthy] argue their case with intriguing examples culled from scientific literature...In addition to offering a fascinating array of animals, it convincingly argues that their emotional life is an area worthy of scientific exploration". -- "People"

Genre: Nature
Number of Pages: 291
Language: English
ISBN: 9780385314282
Reading Status: Finished
When Science Meets Religion

Enemies, Strangers, or Partners?
Ian G. Barbour
Harper Collins (May 16, 2000)

Summary:

Over the centuries and into the new millennium, scientists, theologians, and the general public have shared many questions about the implications of scientific discoveries for religious faith. Nuclear physicist and theologian Ian Barbour, winner of the 1999 Templeton Prize for Progress in Religion for his pioneering role in advancing the study of religion and science, presents a clear, contemporary introduction to the essential issues, ideas, and solutions in the relationship between religion and science. In simple, straightforward language, Barbour explores the fascinating topics that illuminate the critical encounter of the spiritual and quantitative dimensions of life.

Genre: Religion
Number of Pages: 224
Language: English
ISBN: 9780060603816
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Why People Believe Weird Things

Pseudoscience, Superstition, and Other Confusions of Our Time
Michael Shermer

Henry Holt and Company (September 1, 2002)

Summary:
Revised and Expanded Edition.In this age of supposed scientific enlightenment, many people still believe in mind reading, past-life regression theory, New Age hokum, and alien abduction. A no-holds-barred assault on popular superstitions and prejudices, with more than 80,000 copies in print, Why People Believe Weird Things debunks these nonsensical claims and explores the very human reasons people find otherworldly phenomena, conspiracy theories, and cults so appealing. In an entirely new chapter, "Why Smart People Believe in Weird Things," Michael Shermer takes on science luminaries like physicist Frank Tippler and others, who hide their spiritual beliefs behind the trappings of science.Shermer, science historian and true crusader, also reveals the more dangerous side of such illogical thinking, including Holocaust denial, the recovered-memory movement, the satanic ritual abuse scare, and other modern crazes. Why People Believe Strange Things is an eye-opening resource for the most gullible among us and those who want to protect them.

Genre: Science
Number of Pages: 384
Language: English
ISBN: 9781429996761
Reading Status: Finished
**Wild Thoughts from Wild Places**  
David Quammen  
Simon and Schuster (March 16, 1999)

**Summary:**  
Besides bringing together a couple of decades worth of literate, incisive forays into the natural world, this collection of essays from the prize-winning author of THE SONG OF THE DODO is both a wake-up call and a testimonial. Gathered in the main from magazine articles, in particular the authors 15 years of 'Natural Acts', a column in OUTSIDE magazine, Quammen reminds us of the many less quantifiable virtues of the wild that often get crushed in the path of so-called progress. Beginning with the Rocky Mountain trout that, as a young man, would change his life, and meandering through a variety of travels and experiences around the globe, he touches on issues of wildlife conservation, island biogeography and outdoor recreation. Quammen's articles are fascinating, surprising and often humorous, as he learns about the mountain lion by looking over the shoulder of a Montana Bow hunter and delights in the grace of white-water rodeo. Whether he is writing about hard science, art, literature, or the whims that colour our investigations of the world around us, David Quammen emerges as one of the most eloquent spokesmen and campaigners for nature.

**Genre:** Literary Collections  
**Number of Pages:** 304  
**Language:** English  
**ISBN:** 9780684852089  
**Reading Status:** Finished  
**Date Finished:** November 19, 2018  
**Date Added:** November 19, 2018  
**Tags:** Office

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**Wilderness and the American Mind**  
Fifth Edition  
Roderick Frazier Nash  
Yale University Press (January 28, 2014)

**Summary:**  
Roderick Nash’s classic study of changing attitudes toward wilderness during American history, as well as the origins of the environmental and conservation movements, has received wide acclaim since its initial publication in 1967. The Los Angeles Times listed it among the one hundred most influential books published in the last quarter century, Outside Magazine included it in a survey of “books that changed our world,” and it has been called the “Book of Genesis for environmentalists.” For the fifth edition, Nash has written a new preface and epilogue that brings Wilderness and the American Mind into dialogue with contemporary debates about wilderness. Char Miller’s foreword provides a twenty-first-century perspective on how the environmental movement has changed, including the ways in which contemporary scholars are reimagining the dynamic relationship between the natural world and the built environment.

**Genre:** Nature  
**Number of Pages:** 440  
**Language:** English  
**ISBN:** 9780300153507  
**Reading Status:** Finished
**Wildlife in America**

Peter Matthiessen

Viking (1987)

Genre: In library
Number of Pages: 332
ISBN: 9780670819065
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

**Wildlife of the Caribbean**

Herbert A. Raffaele, James W. Wiley

Princeton University Press (2014)

Summary:
This is the first comprehensive illustrated guide to the natural world of the Caribbean islands. It contains 600 vivid color images featuring 451 species of plants, birds, mammals, fish, seashells, and much more. While the guide primarily looks at the most conspicuous and widespread species among the islands, it also includes rarely seen creatures--such as the Rhinoceros Iguana and Cuban Solenodon--giving readers a special sense of the region's diverse wildlife. Each species is represented by one or more color photos or illustrations; details regarding its identification, status, and distribution; and interesting aspects of its life history or relationship to humans. In addition, an introductory section focuses on the unique characteristics of the Caribbean's fauna and flora, the threats faced by both, and some of the steps being taken to sustain the area's extraordinary natural heritage. Wildlife of the Caribbean is the essential field guide for learning about the living wonders in this area of the world. The only guide of its kind for the Caribbean islands 600 detailed color images feature 451 amazing species Straightforward descriptions suitable for general audience Compact size makes the guide easy to carry

Genre: Nature
Number of Pages: 304
Language: English
ISBN: 9780691153827
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office
World without sun
Jacques Yves Cousteau
Harper & Row (1965)

Genre: Manned undersea research stations
Number of Pages: 202
Language: English
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office

Zoology
Stephen A Miller, Dr., John P Harley
McGraw-Hill Education (September 17, 2015)

Summary:
The 10th edition of Zoology continues to offer students an introductory general zoology text that is manageable in size and adaptable to a variety of course formats. It is a principles-oriented text written for the non-majors or the combined course, presented at the freshman and sophomore level. Introducing SmartBook! For the first time Zoology, 10th edition is supported by SmartBook, an online learning tool that merges an eBook with adaptive assessments, creating an individualized experience for the students, adapting to their learning.

Genre: Science
Number of Pages: 640
Language: English
ISBN: 9780077837273
Reading Status: Finished
Date Finished: November 19, 2018
Date Added: November 19, 2018
Tags: Office