

A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

The first field guide to all of the world's major land habitats—richly illustrated and packed with essential information to help you get the most out of your outdoor adventures. Accurately identifying and understanding habitats in detail is essential to any birder, naturalist, outdoor enthusiast, or ecologist who wants to get the most out of their experiences in the field. **Habitats of the World** is the first field guide to the world's major land habitats—189 in all. Using the format of a natural history field guide, this compact, accessible, and comprehensive book features concise identification descriptions and is richly illustrated—including more than 650 color photographs of habitats and their wildlife, 150 distribution maps, 200 diagrams, and 150 silhouettes depicting each habitat alongside a human figure, providing an immediate grasp of its look and scale. Each major habitat has an illustrated “climate box” that allows easy comparisons between habitats. Thirty other illustrated boxes present clear explanations of complex phenomena affecting habitats—from plate tectonics and mountain formation to fire regimes and climate change. Requiring no scientific background, **Habitats of the World** offers quick and reliable information for anyone who wants a deeper understanding and appreciation of the habitats around them, whether in their own backyard or while travelling anywhere in the world. Covers 189 of the world's major land habitats. Provides all the information you need to quickly and accurately identify and understand habitats anywhere in the world. Features concise text, more than 650 color photographs of habitats and their wildlife, an up-to-date distribution map for each habitat, and hundreds of helpful diagrams and illustrations.

Compact yet comprehensive, **The Nature of Florida** takes novice naturalists through an easy-to-read basic explanation of species, field identification tips, the evolution of animals and plants, Florida's geography and vegetation, before delving into more detailed species identification. Exhaustively researched, beautifully illustrated throughout and organized into color-coded sections, **The Nature of Florida** highlights over 310 familiar plants, animals, and the state's outstanding natural attractions. Each listing is accompanied by a detailed full-color drawing, the species' common and scientific name, its size, a simple description and an indication of its habitat. Brief comments provide more information on each species and assist in further identification. A section at the back of the book includes maps and descriptions of Florida's various regions, and then listings of the major natural attractions within each of those regions. A handy checklist at the very back allows enthusiasts to keep track of the species they have personally observed.

Molt is an important avian life history event in which feathers are shed and replaced. The timing, duration, seasonality, extent and pattern of molt follows certain strategies and this book reviews and describes these strategies for nearly 190 species based on information gathered from a 30-year study of Central Amazonian birds. Most species accounts are illustrated with several color photos focusing on wing and tail feather molt, molt limits, and how to use these patterns to accurately age birds. Published in collaboration with and on behalf of the American Ornithological Society, this volume in the highly-regarded **Studies in Avian Biology** series is a rich source of life history information for ornithologists working on tropical birds.

In the past 20 years, fish cytogenetics has become an essential tool in fields as diverse as systematics and evolution, conservation, aquaculture and more recently, genomics. This book is organized in four sections (systematics and evolution; biodiversity conservation; stock assessment and aquaculture; genomics) covering the major fields of present fish cytogenetic research. The eighteen contributions from thirteen countries which make up this book, provide a comprehensive picture of the ongoing research around the world. Due to the diversified arrays of themes approached, including speciation and evolution, biodiversity and conservation and genomics, the book is addressed not only to specialists in cytogenetics but to all scientists interested in fish biology.

The Sierra Pinacate

Continental Chile, Chilean Antarctica, Easter Island, Juan Fernández Archipelago

Tropical Ecology

Big Pacific

Birds in Brazil

A Wildlife Guide to Chile

Ectomycorrhizal symbiosis plays a major role in biodiversity and stability of ecosystems in tropical forests. It is a research imperative in tropical and neotropical forest ecosystems because they contain ecologically and economically important tree species. This book provides an overview of the knowledge of ECM symbioses in tropical and neotropical ecosystem forests. The contents address diversity and function of ectomycorrhiza associated with forest plants, impacts of ectomycorrhiza on plant diversity and composition, regeneration and dynamics of ecosystems, biomass production in forestry, and adaptation of ectomycorrhiza.

Neotropical Biogeography: Regionalization and Evolution presents the most comprehensive single-source treatment of the Neotropical region derived from evolutionary biogeographic studies. The book provides a biogeographic regionalization based on distributional patterns of plant and animal taxa, discusses biotic relationships drawn from track and cladistic biogeographic analyses, and identifies cenocrons (subsets of taxa within biotas identified by their common origin and evolutionary history). It includes maps, area cladograms and vegetation profiles. The aim of this reference is to provide a biogeographic regionalization that can be used by graduate students, researchers and other professionals concerned with understanding and describing distributional patterns of plants and animals in the Neotropical region. It covers the 53 biogeographic provinces of the Neotropical region that are classified into the Antillean, Brazilian and Chacoan subregions, and the Mexican and South American transition zones.

A Neotropical Companion An Introduction to the Animals, Plants, and Ecosystems of the New World Tropics Princeton University Press

Describing all of Colombia's birds, Steven Hilty and William Brown bring together information on one of the world's largest avifaunas-nearly 1,700 species. Over half of all the species of birds in South America are included, thus making the book useful in regions adjacent to Colombia, as well as in the country itself. The primary purpose of the work is to enable observers to identify the birds of the region, but it also provides detailed species accounts and will serve as an important handbook and reference volume. Fifty-six lavish color plates, thirteen halftone plates, and ninety-nine line drawings in the text illustrate over 85% of the species, including most of the resident birds. Notes on the facing-page of each plate, and range maps of 1,475 species, facilitate identification. Written with the field observer in mind, the text gives special attention to comparisons of similar species, transcriptions of voices, and comments on behavior, status, and habitat. It also provides ranges, breeding data, and references. Notes outline taxonomic problems and briefly describe species that eventually may be found in Colombia. Introductory chapters and photographs highlight Colombia's geography, climate, and vegetation, and discuss migration and conservation questions, and the history of Colombian ornithology. Appendices contain a large bibliography, a section on birding locations, and coverage of two of Colombia's far-flung island territories, Isla San Andrés and Providencia. Maps depicting vegetation zones, political boundaries, national parks, and the most text localities are included.

Plant Diversity, Biogeography, and Conservation

Ecuador, Bolivia, Brazil

Neotropical Biogeography

A Field Guide for Birders, Naturalists, and Ecologists

The Food Web of a Tropical Rain Forest

The New Neotropical Companion

Describes the characteristics, behavior, range, and habitat for more than four hundred species. This is the first field guide dedicated to the diverse tree species of Panama and Costa Rica. Featuring close to 500 tropical tree species, Trees of Panama and Costa Rica includes superb color photos, abundant color distribution maps, and concise descriptions of key characteristics, making this guide readily accessible to botanists, biologists, and casual nature lovers alike. The invaluable introductory chapters discuss tree diversity in Central America and the basics of tree identification. Family and species accounts are treated alphabetically and describe family size, number of genera and species, floral characteristics, and relative abundance. Color distribution maps supplement the useful species descriptions, and facing-page photographic plates detail bark, leaf, flower, or fruit of the species featured. Helpful appendices contain a full glossary, a comprehensive guide to leaf forms, and a list of families not covered. The only tree guide to cover both Panama and Costa Rica together. Covers almost 500 species. 438 high-resolution color photos. 480 color distribution maps and two general maps. Concise and jargon-free descriptions of key characteristics for every species. Full glossary and guide to leaf forms included.

Here is a substantially revised and updated English-language version of the only comprehensive, scientific treatment of Brazil's 1635 bird species. Written by the then dean of Brazilian ornithologists and published in Brazil in 1985, it not only lists every individual Brazilian species and provides detailed accounts for most of them but also gives an extensive treatment of the characteristics of each bird family found in the country. In addition, it analyzes the composition of Brazil's avifauna and relates it to the country's geography. South of the border, a spectacular range of ancient volcanoes rises from the desert floor just a few miles from the Sea of Cortez. Virtually untraveled, the Sierra Pinacate in northwestern Mexico beckons adventurers and scientists. Here, in words and pictures, is a remarkable introduction to this place of almost surreal beauty. Sometimes veiled in clouds or dust storms, the Pinacate have long been shrouded in mystery as well. From prehistoric times until today, people of Sonora have told tales of giants, men and animals, bottomless pits, endless tunnels, hostile Indians, smoking caverns, and ever-present dangers found in the Pinacate. This book takes readers deep into the heart of this fascinating area. Julian Hayden, who worked and traveled in the Pinacate for four decades, introduces the natural history, archaeology, geology, and human history of the area. Spectacular color photographs by Jack Dykinga capture the magic and the isolation of this stunning region. Hayden's text is presented in both English and Spanish. The Mexican government has already declared the Pinacate an officially protected biosphere reserve; still pending is its inclusion in the Man and the Biosphere program of the United Nations. More than a natural history, The Sierra Pinacate is an elegant appreciation of a place of wonder.

Foundations of Tropical Forest Biology

Fish Cytogenetics

Their History, Distribution and Influence

Maya Nature

Passionate, Voracious, Mysterious, Violent

Tropical Dry Forests in the Americas

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

Where To Download A Neotropical Companion An Introduction To The Animals Plants And Ecosystems Of The New World Tropics

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

Seventeen marvelous essays introducing the habitats, ecology, plants, and animals of the Central and South American rainforest. A lively, lucid portrait of the tropics as seen by two uncommonly observant and thoughtful field biologists. Its seventeen marvelous essays introduce the habitats, ecology, plants, and animals of the Central and South American rainforest. Includes a lengthy appendix of practical advice for the tropical traveler.

The field of insect nutritional ecology has been defined by how insects deal with nutritional and non-nutritional compounds, and how these compounds influence their biology in evolutionary time. In contrast, *Insect Bioecology and Nutrition for Integrated Pest Management* presents these entomological concepts within the framework of integrated pest m

More often than not, when people think of a neotropical forest, what comes to mind is a rain forest, rather than a dry forest. Just as typically, when they imagine a savanna, they visualize the African plains, rather than those dry woodlands and grasslands found in the Neotropics. These same preconceptions can be found among scientists, as these ne

The Nature of Florida

Molt in Neotropical Birds

A Naturalist in New Guinea

Life and Death in the Rain Forests of Central and

Costa Rican Natural History

Insects and Other Arthropods of Tropical America

Preface 1: The Rain Forest Setting Robert B. Waide, Douglas P. Reagan. 2: Plants: The Food Base William T. Lawrence Microorganisms D. Jean Lodge 4: Termites Elizabeth A. McMahan 5: Litter Invertebrates William J. Pfeiffer 6: Arboreal Invertebrates Rosser W. Garrison, Michael R. Willig. 7: Arboreal Arachnids William J. Pfeiffer 8: Amphibians Margaret L. Lawrence L. Woolbright. 9: Anoline Lizards Douglas P. Reagan 10: Nonanoline Reptiles Richard Thomas, Ava Gaa Kessler Birds Robert B. Waide 12: Mammals Michael R. Willig, Michael R. Gannon. 13: The Stream Community Alan P. Covich, McDowell. 14: The Community Food Web: Major Properties and Patterns of Organization Douglas P. Reagan, Gerardo Robert B. Waide. Glossary Contributors Bibliography Index Copyright © Libri GmbH. All rights reserved.

Foundations of Tropical Forest Biology presents a timely collection of pioneering work in the study of these diverse ecosystems. Modeled on the highly successful *Foundations of Ecology*, this book consists of facsimiles of papers chosen by experts in tropical biology as the "classics" in the field. The papers are organized into sections on related topics, each with a discussion of their role in triggering subsequent research. Topics covered include ecological and evolutionary the origins of tropical diversity; plant-animal interactions; patterns of species diversity and distribution of arthropods and plants; forest dynamics and ecosystem ecology; conservation biology; and tropical forest management. *Foundations of Forest Biology* makes essential works in the development of tropical biology available in a convenient form to both scientists interested in the roots of their discipline and to students encountering the field for the first time, as well as to everyone with tropical conservation.

Identifies birds, mammals, reptiles, insects, trees, and flowers

The acclaimed guide to the ecology and natural history of the American tropics—now fully updated and expanded *The Neotropical Companion* is the completely revised and expanded edition of a book that has helped thousands of people understand the complex ecology and natural history of the most species-rich area on Earth, the American tropics. Featuring stunning photos throughout, it is a sweeping and cutting-edge account of tropical ecology that includes not only tropical rain forests but other ecosystems such as cloud forests, rivers, savannas, and mountains. This is the only guide to the American tropics that is inclusive, encompassing the entire region's ecology and the amazing relationships among species rather than focusing on identification. *The New Neotropical Companion* is a book unlike any other. Here, you will learn how to recognize distinctive ecological patterns of rain forests and other habitats and to interpret how these remarkable ecosystems function—explained in clear and engaging prose free of jargon. You will also be introduced to the region's astonishing plant and animal life. Informative and entertaining, *The New Neotropical Companion* is a pleasurable escape for armchair naturalists, and visitors to the American tropics will want to refer to this book before, during, and after their trip. Covers all of tropical America Describes the species and habitats most likely to be observed by visitors Includes every major ecosystem, from lowland rain forests to the Andes Features a wealth of color photos of habitats, plants, and animals

Ecology and Conservation

A Natural History

Classic Papers with Commentaries

Introduced Mammals of the World

Tropical Nature

Methods in Historical Ecology

Visitors to tropical forests generally come to see the birds, mammals, and plants. Aside from butterflies, however, insects usually do not make it on the list of things to see. This is a shame. Insects are everywhere, they are often as beautiful as the showiest of birds, and they have a fascinating natural history. With their beautifully illustrated guide to insects and other arthropods, Paul E. Hanson and Kenji Nishida put the focus on readily observable insects that one encounters while strolling through a tropical forest in the Americas. It is a general belief that insects in the tropics are larger and more colorful than insects in temperate regions, but this simply reflects a greater diversity of near types of insects in the tropics. On a single rainforest tree, for example, you will find more species of ant than in all of England. Though for those who have no prior knowledge of insects, this book should also prove useful to those who study them. In addition to descriptive

the principal insect families, the reader will find a wealth of biological information that serves as an introduction to the natural history and related classes. Sidebars on insect behavior and ecological factors enhance the descriptive accounts. Kenji Nishida's stunning photographs—many of which show insects in action in their natural settings—add appeal to every page. A final chapter provides a glimpse into the intriguing world of spiders, scorpions, crabs, and other arthropods.

A Neotropical Companion introduces armchair travelers, field naturalists, and conservationists to the tropics of Central and South America. In recent years the neotropics have been more and more frequently visited by those interested in rain forests and the exotic birds, mammals, insects, and plants of these ecosystems. At the same time scientific knowledge of the neotropics has burgeoned. A primer for the student and for the scientific amateur, this well-illustrated volume presents a general and up-to-date view of some of the world's most complex environments. In addition, it provides the neotropical specialist with a broad look at the entire field of neotropical biology. After giving an overview of the different kinds of ecosystems in the tropics, the author describes the structure, function, and evolution of tropical rain forests. Tropical trees are then discussed, as are the vast array of vines, orchids, bromeliads, and other plants that live among the branches of forest giants. A chapter on the "tropical pharmacy" treats the many drugs present in tropical vegetation and the evolutionary influence of these drugs. The book surveys the great diversity of birds, mammals, reptiles, amphibians, and arthropods of the neotropics and provides separate chapters on tropical savannas and on coastal ecosystems. An epilogue deals with the crucially important issues of the conservation of neotropical environments.

This is the first comprehensive English-language field guide to the wildlife of Chile and its territories--Chilean Antarctica, Easter Island, Juan Fernández, and San Félix y San Ambrosio. From bats to butterflies, lizards to llamas, and ferns to flamingos, A Wildlife Guide to Chile covers the country's common plants and animals. The color plates depict species in their natural environments with unmatched vividness and realism. The combination of detailed illustrations and engaging, succinct, and authoritative text make field identification quick, easy, and accurate. Maps, charts, and diagrams provide information about landforms, submarine topography, marine environment, climate, vegetation zones, and the best places to view wildlife. This is an essential guide to Chile's remarkable biodiversity. The only comprehensive English-language guide to Chile's common flora and fauna. The first guide to cover Chile and its territories--Chilean Antarctica, Easter Island, Juan Fernández, and San Félix y San Ambrosio. 120 full-color plates allow quick identification of more than 800 species. Accompanying text describes species size, shape, color, habitat, and range. Descriptions list size, distribution, and English, Spanish, and scientific names. Information on the best spots to view wildlife, including major national parks. Compact and lightweight--a perfect field guide. Introduces the names and characteristics of dinosaurs, along with recent discoveries that shed new light on the way dinosaurs may have lived.

Regionalization and Evolution

A Neotropical Companion

Ecology, Conservation, and Management

An Introduction to Familiar Plants, Animals and Outstanding Natural Attractions

A Guide to the Birds of Colombia

A Field Guide

Winner in the Scholarly Reference section of the 2004 Australian Awards for Excellence in Educational Publishing.

Introduced Mammals of the World provides a concise and extensive source of information on the range of introductions of mammals conducted by humans, and an indication as to which have resulted in adverse outcomes. It provides a very valuable tool by which scientists can assess future potential introductions (or re-introductions) to avoid costly mistakes. It also provides tangible proof of the need for political decision makers to consider good advice and make wise and cautious decisions. Introduced Mammals of the World also provides a comprehensive reference to students of ecological systems management and biological conservation. This book is a companion volume to Introduced Birds of the World, by the same author, published in 1981, and which remains the premier text of its kind in the world more than twenty years after it was published. Introduced Mammals of the World provides the most comprehensive account of the movement of mammals around the world providing details on the date(s) of introduction, the person/agency responsible, the source populations, the location(s) of release, the fate of the introductions, and the impact if known, for over 300 species of mammal.

Gall midges (Diptera: Cecidomyiidae), though possibly the largest family of flies, are poorly known. Numerous, ubiquitous, and economically important, they have not, in Raymond Gagne's view, received the attention they deserve. Interest is growing, however, as additional species are found to be pests, pollinators, or biological control agents, and as it becomes obvious how common they are.

The tablelands of the Guiana Highlands are among the most spectacular yet least explored mountains of our world. Each is an immense sandstone plateau known locally as a 'tepui' that is encircled on all sides by gigantic vertical cliffs up to 1,000 metres tall. The summits of these unique mountains have remained isolated for millions of years, and today harbour plants, animals and landscapes that occur nowhere else on Earth. This work examines the story of the discovery and exploration of these remarkable mountains and considers the unique plants, animals and landscapes atop of these mysterious lost worlds. The introductory chapters of Lost Worlds outline the remarkable processes that led to the formation of the tepuis of the Guiana Highlands. The following chapter, The Discovery and Exploration of the Guiana Highlands, first reviews the Amerindian presence around, and perceptions of, the tepuis prior to the arrival of Europeans, and then moves to the discovery and description of these tablelands by Europeans from the 16th Century to the exploration of Mount Roraima early in the 20th Century. The next chapter, Some Strange Country of Nightmares provides an overview of the remarkable physical landscape of the summits of the tepuis with a focus on some of the most surprising geological features that are found on the plateau tops and in the nearby lowlands. The following chapter, Islands Above the Clouds, examines the unique evolutionary and ecological processes that have shaped and now give character to the biological landscapes of the tepui summits. The next chapter, Life Above the Clouds, looks at the remarkable diversity of organisms found on the summits of the tepuis and the diverse ways in which plants and animals have adapted to the demanding environmental conditions that occur in these highland environments. The final chapter, As a New Century Begins, reviews the current conservation and management issues relating to the future of Guiana. Lost worlds is the first and only comprehensive study of the remarkable natural history of the tepuis of the Guiana Highlands. The strengths of this book include (1) its uniquely detailed content; (2) the 248 spectacular figures including breath taking images, maps, historical illustrations and photo (3) the very first published images of several species of tepui dwelling plants and animals in their natural habitats. Lost Worlds is up-to-date, comprehensive, focused, well illustrated, and visually beautiful. It is technically written yet is accessible to specialist and non-specialist audiences and will be a valued source of information for all interested in the natural history of the remarkable tablelands of the Guiana!

The Galápagos Islands are a paradise for birders, botanists, geologists, and snorkelers, with many islands still devoid of human habitation. Since they lie more than 600 miles west of South America and were never connected to the mainland,

almost all plant and animal life arrived here by chance. As Charles Darwin discovered, the evolution of plants and animals is more visible here than anywhere else on earth. John Kricher, a renowned ecologist and Galápagos ecotour guide, presents a detailed natural history of this spectacular archipelago. He looks at the amazing diversity of life found here, from iguanas to penguins, and explains the fascinating geology of these remote islands. Throughout his narrative, Kricher weaves the intriguing history of evolutionary biology that is intimately connected with the islands, and describes Darwin's adventures and observations while he was visiting in 1835. Indeed, Kricher takes his chapter titles from comments scattered throughout Darwin's account of his expedition around the world, *The Voyage of the Beagle*. Kricher closes his book by assessing the conservation efforts to preserve the Galápagos--and the challenges these efforts have met. Of special interest is the book's richly detailed island-by-island guide. For both the ecotraveler and the nature enthusiast, Galápagos is essential reading. Essential reading for the nature enthusiast and ecotraveler alike Detailed island-by-island guide Vivid descriptions of plant and animal life Fascinating explanation of the islands' geology

Habitats of the World

Insights from Amazonia

Neotropical Savannas and Seasonally Dry Forests

Life History and Aging Criteria

Neotropical Birds

"Featuring a good selection of common and/or interesting species, *The Wildlife of Costa Rica* is the most authoritative and most useful general guide to its subject. It will attract every ecotourist visiting Costa Rica. This dream team knows its stuff. and the illustrations are stunning."---Cagan H. Sekercioglu, Stanford University

Widely praised, "A Neotropical Companion" is an extraordinarily readable introduction to the American tropics, the lands of Central and South America, their rainforests and other ecosystems, and the creatures that live there. 177 color illustrations. This unparalleled wealth of finely detailed ecological information on Neotropical bird communities will prove invaluable to all Neotropical wildlife managers, conservation biologists, and serious birders.

This full-color illustrated textbook offers the first comprehensive introduction to all major aspects of tropical ecology. It explains why the world's tropical rain forests are so universally rich in species, what factors may contribute to high species richness, how nutrient cycles affect rain forest ecology, and how ecologists investigate the complex interrelationships among flora and fauna. It covers tropical montane ecology, riverine ecosystems, savanna, dry forest--and more. *Tropical Ecology* begins with a historical overview followed by a sweeping discussion of biogeography and evolution, and then introduces students to the unique and complex structure of tropical rain forests. Other topics include the processes that influence everything from species richness to rates of photosynthesis: how global climate change may affect rain forest characteristics and function; how fragmentation of ecosystems affects species richness and ecological processes; human ecology in the tropics; biodiversity; and conservation of tropical ecosystems and species. Drawing on real-world examples taken from actual research, *Tropical Ecology* is the best textbook on the subject for advanced undergraduates and graduate students. Offers the first comprehensive introduction to tropical ecology Describes all the major kinds of tropical terrestrial ecosystems Explains species diversity, evolutionary processes, and coevolutionary interactions Features numerous color illustrations and examples from actual research Covers global warming, deforestation, reforestation, fragmentation, and conservation The essential textbook for advanced undergraduates and graduate students Suitable for courses with a field component Leading universities that have adopted this book include: Biola University Bucknell University California State University, Fullerton Colorado State University - Fort Collins Francis Marion University Michigan State University Middlebury College Northern Kentucky University Ohio Wesleyan University St. Mary's College of Maryland Syracuse University Tulane University University of California, Santa Cruz University of Central Florida University of Cincinnati University of Florida University of Missouri University of New Mexico University of North Carolina at Chapel Hill University of the West Indies

An Introduction to the Animals, Plants, and Ecosystems of the New World Tropics

Insect Bioecology and Nutrition for Integrated Pest Management

Mammals of the Neotropics, Volume 3

An Illustrated Introduction to Larval Subfossils

The Gall Midges of the Neotropical Region

A Field Guide to Eastern Forests, North America

Profiles specific animals and plants found in rain forests between the Tropics of Cancer and Capricorn and examines the role of people in the health of the tropical forests.

This book presents some of the most recent tools, methods and concepts in historical ecology. It introduces students and researchers to state-of-the-art techniques and showcases a wide array of methods dedicated to understanding the history of tropical landscapes. The chapters cover the detection and characterisation of archaeological features, living organisms as witnesses of past human activities, ethnoecological knowledge of ancient anthropogenic landscapes and societal impacts of historical ecology. Whilst mainly based on Amazonian experiences, the contributions aim to strengthen synergies between disciplines and to propose solutions that can be applied elsewhere in the field.

Describes the different kinds of forests found in the southwestern United States and identifies and describes the plants and animals found in each habitat

This illustrated introduction to Central American Chironomidae offers extensive photography material, as well as detailed morphological and ecological description of chironomid subfossils found in Central American lake sediments. The book uniquely provides two identification keys: one for living larvae occurring (or potentially being present) in Central America, and one for the recorded subfossil remains using limited morphological characters. Paleolimnological investigations using chironomid remains have undergone a resurgence of interest and this

taxonomic guide will aid the thorough analysis of the diversity and distribution of the taxa encountered to date in Central America. Out of the total 64 described genera, the book brings 20 endemic genera and more than half of the presented morphotypes are new, not listed in Brooks et al (2007). Plates are included for each taxon with generic characters, and also provide a key to morphotypes, if present, their specific characters, distribution and ecology. Authored by a (paleo)limnologist and a taxonomist, the guide draws on a thorough taxonomical knowledge of the region's recent chironomid fauna. It uses a paleolimnological approach to transmit this information to morphotypes that can be linked with ecology and used to reconstruct the past development of nature. The book thus helps paleo-workers and taxonomists to learn more about these fascinating tiny insects and, through them, to discover the world around us. Providing a comprehensive reference for aquatic ecologists, palaeolimnologists, students and researchers, the guide will also be of interest to non-academic professionals working on applied research and biomonitoring of lakes. It will be useful for people working with both recent and subfossil material not only in Central America, but in the whole Neotropical region.

Ectomycorrhizal Symbioses in Tropical and Neotropical Forests

The Species of Birds of South America and Their Distribution

Galápagos

Belize, Mexico, Guatemala, Honduras, El Salvador

Lost Worlds of the Guiana Highlands

A Field Guide to Rocky Mountain and Southwest Forests

The Pacific Ocean covers one-third of Earth's surface—more than all of the planet's landmasses combined. It contains half of the world's water, hides its deepest places, and is home to some of the most dazzling creatures known to science. The companion book to the spectacular five-part series on PBS produced by Natural History New Zealand, *Big Pacific* breaks the boundaries between land and sea to present the Pacific Ocean and its inhabitants as you have never seen them before. Illustrated in full color throughout, *Big Pacific* blends a wealth of stunning Ultra HD images with spellbinding storytelling to take you into a realm teeming with exotic life rarely witnessed up close—until now. The book is divided into four sections, each one focusing on an aspect of the Pacific. "Passionate Pacific" looks at the private lives of sea creatures, with topics ranging from the mating behaviors of great white sharks to the monogamy of wolf eels, while "Voracious Pacific" covers hunting and feeding. In "Mysterious Pacific," you will be introduced to the Pacific's more extraordinary creatures, like the pufferfish and firefly squid, and explore some of the region's eerier locales, like the turtle tombs of Borneo and the skull caves of Papua New Guinea. "Violent Pacific" examines the effects of events like natural disasters on the development of the Pacific Ocean's geography and the evolution of its marine life. Providing an unparalleled look at a diverse range of species, locations, and natural phenomena, *Big Pacific* is truly an epic excursion to one of the world's last great frontiers. Five-part series on PBS: *Big Pacific* will air Wednesdays on PBS, June 21-July 19, 2017

Under threat from natural and human disturbance, tropical dry forests are the most endangered ecosystem in the tropics, yet they rarely receive the scientific or conservation attention they deserve. In a comprehensive overview, *Tropical Dry Forests in the Americas: Ecology, Conservation, and Management* examines new approaches for data sampling and analysis using remote sensing technology, discusses new ecological and econometric methods, and critically evaluates the socio-economic pressures that these forest are facing at the continental and national levels. The book includes studies from Mexico, Costa Rica, Colombia, Venezuela, and Brazil that provide in-depth knowledge about the function, status, and conservation efforts of these endangered forests. It presents key elements of synthesis from standardized work conducted across all sites. This unique contribution provides new light in terms of these forests compared to each other not only from an ecological perspective but also in terms of the pressures that they are facing, and their respective responses. Written by experts from a diversity of fields, this reference brings together the many facets of function, use, heritage, and future potential of these forests. It presents an important and exciting synthesis of many years of work across countries, disciplines, and cultures. By standardizing approaches for data sampling and analysis, the book gives readers comparison information that cannot be found anywhere else given the high level of disparity that exists in the current literature.

Chironomidae of Central America

Trees of Panama and Costa Rica

Encyclopedia of Rainforests

The Wildlife of Costa Rica

Peterson First Guide to Dinosaurs