

Phylogenetic Relationships Among Gerrhonotine Lizards An Analysis Of External Morphology

Wildlife Review - 1991

The Taxonomy, Systematics, and Zoogeography of Hypsibarbus, a New Genus of Large Barbs (Pisces, Cyprinidae) from the Rivers of Southeastern Asia - Walter J. Rainboth 1996-01-01

In this study the author describes Hypsibarbus, a new genus of Asian cyprinid fishes with twelve species, three of them new. A complete set of 45 measurements and 17 counts was taken and analyzed for approximately 250 specimens, including all type material, of more than 1000 specimens encountered, representing most of the major fish collections of the world. The author fully redescribes and illustrates all species in the new genus, and includes keys for their identification. To provide a basis for understanding zoogeographic implications of the phylogeny obtained for Hypsibarbus, the geography and history of the Southeast Asia river basins is discussed in detail.

Phylogenetic Relationships Among Gerrhonotine Lizards - David A. Good 1988

Field Guide to Amphibians and Reptiles of the San Diego Region - Jeff Lemm 2023-11-10

With its varied topography of coast, mountains, and desert, the San Diego region, considered one of the world's biodiversity hotspots, boasts a rich variety of amphibians and reptiles—from the arboreal salamander to the green sea turtle to the secretive San Diego banded gecko and the red diamond rattlesnake. More than a field guide, this up-to-date, authoritative, conservation-oriented book is the first comprehensive resource on the herpetofauna of the region, which is unfortunately also known for its high number of endangered species. Jeffrey M. Lemm gives information on identification, habitats, biology, and the conservation status of all 88 amphibian and reptile species found in the San Diego region. Many of these animals can also be found in a wide area of Southern California and Northern Baja California, making this valuable guide useful for a wide geographic area and a must-have for outdoor enthusiasts, nature-lovers, and professionals alike. * Includes a special venom section written by Sean Bush of Animal Planet's "Venom ER" * 160 color photographs illustrate the major habitats and all 88 amphibians and reptiles found in the region * 70 range maps pinpoint the locations of each subspecies * A new, easy-to-use taxonomic key by renowned herpetologist Jay Savage as well as line drawings of tadpoles and amphibian egg masses help make species identification simple

Phylogenetic Relationships Among Gerrhonotine Lizards - David A. Good 1988-01-01

In this study the author analyzes the phylogenetic relationships among the genera and species of alligator lizards (Squamata: Anguillidae: Gerrhonotinae). The subfamily consists of six monophyletic genera: Colaptychon, Gerrhonotus, Elgaria, Barisia, Mesaspis, and Abronia. The author reviews the history of gerrhonotine taxonomy, provides a key to, and diagnoses of, all gerrhonotine taxa, and discusses taxonomic and biogeographic implications of gerrhonotine relationships. In this study the author analyzes the phylogenetic relationships among the genera and species of alligator lizards (Squamata: Anguillidae: Gerrhonotinae). The subfamily consists of six monophyletic genera: Colaptychon, Gerrhonotus, Elgaria, Barisia, Mesaspis, and Abronia. The author reviews the history of gerrhonotine taxonomy, provides a key to, and diagnoses of, all gerrhonotine taxa, and discusses taxonomic and biogeographic implications of gerrhonotine relationships.

Studies of Interspecific and Intraspecific Variation in the Alligator Lizards (Lacertilia: Anguillidae: Gerrhonotinae) - David Andrew Good 1985

Caribbean Amphibians and Reptiles - Brian I. Crother 1999-06-02

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

Amphibians and Reptiles of Texas - James Ray Dixon 2000

IN THIS REVISED edition of *Amphibians and Reptiles of Texas*, James R. Dixon adds to and updates the extensive information given in the first edition. A new section on conservation issues highlights some of the problems facing the continued survival of amphibians and reptiles, particularly commercial collecting and habitat destruction. Taxonomic changes have been made to reflect the latest scientific information, and the extensive listing of the literature on Texas amphibians and reptiles has been updated through April, 1999. Going back to the writings of French botanist Jean Louis Berlandier, who encountered Texas herpetofauna during his travels from 1828 to 1834, this list covers more than 150 years of inquiry into the state's species and is also testimony to the distinguished careers of such herpetologists as Hobart M. Smith and, more recently, Chris McAllister. Another prominent feature of this book is the more than 150 distribution maps, which show by county the updated distribution records for all native Texas amphibians and reptiles, based on more than 13,000 county records and more than 110,000 individual localities. Professional and amateur herpetologists as well as environmentalists, wildlife specialists, campers, and hikers will find the dichotomous keys useful for identifying species at hand. This aid to identification is supported by a glossary, drawings and photographs, and complete scientific and common names.

Behavior of Lizards - Vincent Bels 2019-02-06

Key features: Presents a contemporary snapshot of the mechanisms underlying the evolution and adaptation of behavior Explores how genetics, epigenetics, development, and environment shape behavior Discusses a broad range of behavioral repertoires and responses, including those related to thermoregulatory, foraging, predatory, displaying, social and escape strategies. Examines physiological and sensory mechanisms Covers the effects of various aspects of global change on behavior, with chapters that focus on the impacts of climate change on hydroregulatory behavior and behavioral responses to the effects of habitat alteration resulting from human-mediated change and colonization by invasive species. Lizards serve as focal organisms for many of biological questions related to evolution, ecology, physiology, and morphology. They are studied at multiple spatial and temporal scales, from the individual to the community level. This book, authored by expert contributors from around the world, explores behaviors underlying the evolution and adaptation of these organisms. It covers conceptual, empirical, and methodological approaches to the understanding of the role that natural and sexual selection play in molding the behavioral traits of lizards. This thorough, illustrated reference should stimulate discussion of the conceptual and methodological approaches for studying the behavioral traits of these fascinating and highly diverse vertebrates.

University of California Publications in Zoology - David A. Good 1992

Geographic Variation and Speciation in the Torrent Salamanders of the Genus Rhyacotriton (Caudata: Rhyacotritonidae) - David A. Good 1992-01-01

The authors analyze the morphological, biochemical, and ecological differentiation of salamanders endemic

to the Pacific Northwest, the Torrent Salamanders, Rhyacotriton. The authors analyze the morphological, biochemical, and ecological differentiation of salamanders endemic to the Pacific Northwest, the Torrent Salamanders, Rhyacotriton.

The Amphibians and Reptiles of Costa Rica - Jay M. Savage 2002-08

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.

Herpetology - F. Harvey Pough 1998

Begins with an overview of amphibians and reptiles as organisms, explaining their roles in modern ecosystems, and progressively builds an appreciation of these animals as diverse and successful organisms, emphasizing the common challenges they face and the diversity of responses they have evolved. Considers the phylogenetic relationships of amphibians, examines gametogenesis and reproductive cycles, discusses their communication methods, and talks about the impact we have had on them through environmental pollution, commercial exploitation, and more.

California Fish and Game - 2004

Subject Guide to Books in Print - 1993

Amphibians and Reptiles of the US-Mexico Border States/Anfibios y reptiles de los estados de la frontera México-Estados Unidos - Julio A. Lemos-Espinal 2015-12-11

In the first bilingual work on the reptiles and amphibians of the US-Mexico border, top herpetologists come together to describe the herpetofauna of the states of this region, which includes more than 600 species of toads, frogs, salamanders, turtles, sea turtles, alligators, lizards, snakes, and sea snakes that are found along the almost 2,000-mile border between the two countries. Each chapter is devoted to one state—four in the US (California, Arizona, New Mexico, and Texas) and six in Mexico (Baja California, Sonora,

Chihuahua, Coahuila, Nuevo León, and Tamaulipas)—with text in both English and Spanish. The chapters contain an introduction to the area, a review of the research, a sketch of the state's physiography, and a description of the species present as well as the pertinent conservation issues they face. A color photo gallery includes images of nearly all species. Almost 40 percent of the featured native species are shared between the US and Mexico, reminding us that animals depend on the integrity of natural landscapes and proving the need for a comprehensive, bilingual reference to help lead a shared effort in the management and conservation of the borderlands.

Biological Diversity of Mexico - T. P. Ramamoorthy 1993

Mexico is among the richest countries in the world in terms of the number of native animal and plant species. Found in a wide variety of habitats—from alpine meadows and tropical forests to vast stretches of desert and isolated pockets of biogeographical uniqueness—these species comprise a fascinating, important, and vastly underutilized biological laboratory. This volume presents a collection of selected papers that explore this marvelous biological abundance. The book is divided into six parts. The first section sets the stage with geological and paleobotanical overviews; the succeeding five sections employ a strong taxonomic base to document species richness, endemism and distribution for animals and plants, followed by reviews of contrasting ecosystems and plants that are closely associated with humans. The last section summarizes the disheartening rate of habitat destruction which threatens to diminish this diversity. In addition to the purely scientific value of this important work, it provides the much-needed basic data that will help conservation policymakers assess and respond to Mexico's ecological evolution.

Recent Publications in Natural History - 1987

Community Ecology of Neotropical Kingfishers - James Vanderbeek Remsen 1991-01-01

To determine the mechanisms for species-spacing in a group of closely related bird species—namely, five species of Neotropical Kingfishers—the author studied their feeding behavior and diet at three sites, two in Bolivia and one in Colombia. He found that changes in number of coexisting species were correlated with changes in abundance and size distribution of their prey, surface-dwelling fishes.

Amphibians and Reptiles of Baja California, Including Its Pacific Islands and the Islands in the Sea of Cortés - L. Lee Grismer 2002-09-16

"Grismer brings together an impressive amount of original field and laboratory research, supplemented with a thorough review of existing literature, to present a first-rate accounting of the Baja California herpetofauna. This book sets the stage for further research of the reptiles and amphibians of this remarkable region."—Robert Hansen, Editor, *Herpetological Review* "Grismer is without question the foremost authority on the herpetofauna of the Baja Peninsula; no one else could have produced such a detailed, comprehensive treatment of the amphibians and reptiles of the area. The book stands as a monument to Lee's many years of dedicated work on the Baja herpetofauna and will be the standard reference on the subject for many years to come."—Julian C. Lee, author of *The Amphibians and Reptiles of the Yucatán Peninsula*

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