

# The Ecology And Behavior Of Amphibians

The Ecology and Behavior of Amphibians An Introduction to Behavioural Ecology Snakes Environment and Behavior Ecological Perspectives in Behavior Analysis Evolutionary Ecology and Human Behavior Foraging The Ecology and Evolution of Animal Behavior Wildlife Abstracts Phylogeny, Ecology, and Behavior Wildlife Abstracts Animal Behavior Behavior and the Natural Environment The Physical Environment and Behavior Human Ecology Animal Behavior Desk Reference Architecture Reading Lists and Course Outlines: Architectural design, Human behavior, Special topics Ecological Perspectives in Behavior Analysis U.S. Directory of Marine Scientists, 1975 Ecology Abstracts Kentwood D. Wells Nicholas B. Davies Richard A. Seigel C. Holahan Ann K. Rogers-Warren Eric Alden Smith David W. Stephens Robert A. Wallace Daniel R. Brooks U.S. Fish and Wildlife Service Lee C. Drickamer Irwin Altman Joachim F. Wohlwill Frederick Sargent Edward M. Barrows Georgia Bizios Ann K. Rogers-Warren National Research Council (U.S.). Ocean Science Committee

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consisting of more than six thousand species amphibians are more diverse than mammals and are found on every continent save antarctica despite the abundance and diversity of these animals many aspects of the biology of amphibians remain unstudied or misunderstood the ecology and behavior of amphibians aims to fill this gap in the literature on this remarkable taxon it is a celebration of the diversity of amphibian life and the ecological and behavioral adaptations that have made it a successful component of terrestrial and aquatic ecosystems synthesizing seventy years of research on amphibian biology kentwood d wells addresses all major areas of inquiry including phylogeny classification and morphology aspects of physiological ecology such as water and temperature relations respiration metabolism and energetics movements and orientation communication and social behavior reproduction and parental care ecology and behavior of amphibian larvae and ecological aspects of metamorphosis ecological impact of predation on amphibian populations and antipredator defenses and aspects of amphibian community ecology with an eye towards modern concerns the ecology and behavior of amphibians concludes with a chapter devoted to amphibian conservation an unprecedented scholarly contribution to amphibian biology this book is eagerly anticipated among specialists

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 the leading introductory text from the two most prominent workers in the field second colour in the text new section of four colour plates boxed sections to illustrate difficult and important points new larger format with marginal notes to guide the reader through the text selected further reading at the end of each chapter

a comprehensive reference for herpetologists biologists and others interested in such aspects of snakes as their population genetics neurobiology functional morphology behavioral ecology and evolution also includes a chapter on strategies for conservation acidic paper annotation copyright by book news inc portland or

this book has been written as a text for advanced undergraduate students and graduate students in the burgeoning field of study that has come to be called environment and behavior it is appropriate for courses in environmental psychology social ecology ecological psychology and community psychology when the community is conceptualized from an ecological viewpoint in addition the book may be used in design courses oriented toward an appreciation of the interaction between architecture and human behavior the book presents a thorough explication of a perspective or viewpoint in approaching the study of environment and behavior which has tended to be underemphasized in past work in this area the dynamic perspective focuses on the active role people play in dealing with environmental challenges its investigative interest is in the processes that mediate the effects of environment on behavior especially the positive and adaptive ways in which people cope with the environment the accent is on the creative complex yet subtle character of these environmental processes

à required reading for anyone interested in the economy ecology and demography of human societies american journal of human biology this excellent book can serve both as a text¼book and as a scholarly reference american scientist

foraging is fundamental to animal survival and reproduction yet it is much more than a simple matter of finding food it is a biological imperative animals must find and consume resources to succeed and they make extraordinary efforts to do so for instance pythons rarely eat but when they do their meals are large as much as 60 percent larger than their own bodies the snake s digestive system is normally dormant but during digestion metabolic rates can increase fortyfold a python digesting quietly on the forest floor has the metabolic rate of thoroughbred in a dead heat this and related foraging processes have broad applications in ecology cognitive science anthropology and conservation biology and they can be further extrapolated in economics neurobiology and computer science foraging is the first comprehensive review of the topic in more than twenty years a monumental undertaking this volume brings together twenty two experts from throughout the field to offer the latest on the mechanics of foraging modern foraging theory and foraging ecology the fourteen essays cover all the relevant issues including cognition individual behavior caching behavior parental behavior antipredator behavior social behavior population and community ecology herbivory and conservation considering a wide range of taxa from birds to mammals to amphibians foraging will be the definitive guide to the field

the merits of this work are many a rigorous integration of phylogenetic hypotheses into studies of adaptation adaptive radiation and coevolution is absolutely necessary and can change dramatically our collective gestalt about much in evolutionary biology the authors advance and illustrate this thesis beautifully the writing is often lucid the examples are plentiful and diverse and the juxtaposition of examples from different biological systems argues forcefully for the validity of the thesis many new insights are offered here and the work is usually accessible to both the practiced phylogeneticist and the naive ecologist joseph travis florida state university phylogeny ecology and behavior presents its arguments forcefully and cogently with ample support brooks and mclennan conclude as they began with the comment that evolution is a result not a process and that it is the result of an interaction of a variety of processes environmental and historical evolutionary explanations must consider all these components else they are incomplete as darwin s explanations of descent with modification integrated genealogical and ecological information so must workers now incorporate historical and nonhistorical and biological and nonbiological processes in their evolutionary perspective marvalee h wake bioscience this book is well written and thought provoking and should be read by those of us who do not routinely turn to phylogenetic analysis when investigating adaptation evolutionary ecology and co evolution mark r macnair journal of natural history

the theme of the present volume concerns people s response to the natural environment considered at scales varying from that of a house hold plant to that of vast wilderness areas our decision to focus on this particular segment of the physical environment was prompted in part by the intrinsic interest in this subject on the part of a diverse group of sodal scientists and professionals and of laypersons for that matter and in part by the relative neglect of this topic in standard treatments of the environment behavior field it also serves to bring out once again the interdisiplinary nature of that field and we are pleased to have been able to include representatives from geography sodology soda ecology and natural recreation among our contributors we believe that this volume will serve a useful purpose in helping to integrate the find ings and concepts in this presently somewhat fragmented field scat tered as they are over a very diverse array of publications representing a similarly varied group of spedalties it is hoped that the result will be to stimulate future development of this area and to add a measure of in creased coherence to it volume 7 of our series will be devoted to the theme of elderly people and the environment with m powell lawton joining us as guest co editor the titles of the papers comprising volume 7 are shown on page v irwin altman j oachim f wohlwill ix contents introduction

1491 entries to monographs journal articles reports of government agencies or academic institutions and dissertations intended for the advanced student and the researcher in the fields of enviromental psychology and related disciplines classified arrangement each entry gives bibliographic information and brief non evaluative annotation author index

abstract an annotated bibliography brings together resources to assist participants in the health care system in understanding man environmental interactions and interrelations the introductory section of each chapter contains excerpts from the writings of the author these serve not only to conform to other volumes in the series but also to provide users of this volume with the viewpoint of the author topics covered include the nature and scope of human ecology the abiotic and biotic environments human adaptability man s manipulation of the environment environmental quality community health in developed and developing countries and health intervention strategies an addendum arranged in the same order as the text contains items that are not annotated lists of society and association sponsored journals and abstracting and indexing publications of interest to students of this discipline have been indicated emc

revised and updated containing over 5 000 entries with over 1 100 more entries than in the previous edition animal behavior desk reference second edition a dictionary of behavior ecology and evolution provides definitions for terms in animal behavior biogeography evolution ecology genetics psychology statistics systematics and other

coverage 1982 current updated monthly this database covers current ecology research across a wide range of disciplines reflecting recent advances in light of growing evidence regarding global environmental change and destruction major ares of subject coverage include algae lichens animals annelids aquatic ecosystems arachnids arid zones birds brackish water bryophytes pteridophytes coastal ecosystems conifers conservation control crustaceans ecosyst em studies fungi grasses grasslands high altitude environments human ecology insects legumes mammals management microorganisms molluscs nematodes paleo ecology plants pollution studies reptiles river basins soil taiga tundra terrestrial ecosystems vertebrates wetlands woodlands

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