

# Manual Of Fish Health Everything You Need To Know About Aquarium Fish Their Environment And Disease Preventionthe Mortal Sea

This comprehensive text introduces students to the aquaculture industry. Every aspect of this growing field is covered, from history of aquaculture, descriptions of aquatic plants and animals and feeding to in-depth coverage of economics, marketing, management and diseases of aquatic animals and plants. AQUACULTURE SCIENCE, third edition, addresses the latest production methods, species types, advances in technology, trends and statistics. The science of aquaculture, chemistry, biology, and anatomy and physiology, is stressed throughout to ensure that students understand the fundamental principles. A complete chapter offers detailed information on career opportunities in the aquaculture industry. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Written by an expert dog whisperer and dog owner, the Kelpie Complete Owner's Manual has the answers you may need when researching this tireless herding breed. Learn about this highly energetic, very smart, purebred and find out whether or not this outstanding working dog will be the best choice for you and your family. Learn everything there is to know, including little known facts and secrets and how to care for every aspect of the Kelpie 's life. This manual contains all the information you need, from birth to the Rainbow Bridge, including transitioning through house breaking, care, feeding, training and end of life, so that you can make a well-informed decision about whether or not this dog is the breed for you. If you already have a Kelpie, this book will teach you everything you need to know to make your dog a happy dog and to make you a happy dog owner. The author George Hoppendale is an experienced writer and a true animal lover. He enjoys writing animal books and advising others how to take care of their animals to give them a happy home. Co-Author Asia Moore is a professional Dog Whisperer, Cynologist and Author, living on Vancouver Island, off the west coast of British Columbia, in Canada, who believes that all humans and dogs can live together in harmony. She and her dog whispering team, which includes an 8-year-old Shih Tzu named Boris, teach dog psychology to humans, to help alleviate problem behaviors that arise between humans and their canine counterparts so that everyone can live a happy and stress-free life together. Covered in this book: - Temperament - Pros and Cons - Vital statistics - Before you buy - Choosing the right dog - Finding a breeder - Puppy proofing your home - The first weeks - Health and common health problems - Medical care & safety - Daily care - Feeding - Bad treats and snacks - Good treats and snacks - House training - Grooming - Training - Poisonous Foods & Plants - Caring for your aging dog .... and much more.

Discusses water chemistry, offers advice on stocking levels, compatibility, and filtration, and identifies common pests and diseases.

If you want to go up the ladder of success, if you want to get what you want, if you want to fulfill that "burning desire" that keeps your mind busy all the time and you do not do something about it, if you want to do "that thing" that you wanted to do some day but you never got a chance to do so, you must take your hands out of your pockets, roll up your sleeves, and take action now. You cannot sit still and expect the elevator of success to come down and take you to the peak. It has not happened to anyone. It will not happen to you either, guaranteed! Over the past several years I have helped many people like you to take their hands out of their pockets and climb their ladder of success. I have spent quality time with them, listened to them, felt their pain, assisted them in taking the right path, and made sure they came out of the process successful and fulfilled. I want to help you too. If you are committed to YOUR success and want to get what you truly want, this book is an excellent start. Are you ready for the journey?

The contents of this Shrimp acute hepatopancreatic necrosis disease strategy manual provides information and guidance relevant to the development of policies to respond to outbreaks of acute hepatopancreatic necrosis disease (AHPND) in farmed marine shrimp. The etiologic agents for AHPND are virulent strains of bacteria belonging to the genus *Vibrio* *parahaemolyticus* and related species, which harbor specific toxin genes. While these bacterial species are part of the normal microflora of the marine environment, they may cause substantial mortalities in whiteleg shrimp (*Penaeus vannamei*) and giant tiger prawn (*Penaeus monodon*) cultured in countries in Asia and the Americas. These strains of these *Vibrio* bacteria secrete a PirABvp binary toxin resulting in sloughing of tubule epithelial cells and dysfunctions of the hepatopancreas in the acute form; mortality can reach 100 percent in affected ponds. Chronic presentation of this disease involves secondary bacterial infection of hepatopancreas and running mortality over the culture cycle. Acute or chronic presentation would greatly depend on the culture conditions. This disease can be considered a toxicosis rather than an infection. Economic losses due to this disease have amounted to over USD 7 billion annually. Further outbreaks of AHPND, particularly in areas that are currently free of the disease, would be expected to experience similar devastating effects on local shrimp producers and the surrounding communities; and thus, there is an urgent need to develop a contingency plan to control and eradicate this disease. This manual includes information on: 1) the nature of AHPND: a brief review of current knowledge in disease etiology, susceptible species and global distribution; 2) diagnosis of disease: a description of gross clinical signs and laboratory methods; 3) prevention and treatment: farm management, the use and development of antibiotics, bacteriophages, probiotics, disease-tolerant shrimp, shrimp immunity and vaccination; 4) epidemiology: AHPND's geographic distribution, genotype, persistence in the environment, reservoir hosts, modes of transmission, risk factors, and economic impacts; 5) principles of control and eradication: methods for containment, mitigation and eradication of AHPND, and trade and industry considerations; and 6) policy development and implementation: AHPND-specific objectives, options and strategies for eradication and control, education, capacity building, funding, and compensation.

In a straightforward, accessible format, this book introduces the hobby of tropical fishkeeping, outlining what is required in order to set up the correct environment, and what varieties of tropical fishes will thrive in an aquarium. Detailed information on choosing equipment, setting up a tank, plant selection, and water chemistry is included. You also get comprehensive coverage of how to feed your fish and how to maintain their tank. With special sections devoted to signs and symptoms of disease and first-aid treatments, as well as breeding tropical fish, this book has everything for the beginning hobbyist and the more experienced fishkeeper. One day, Bernie forgot to feed his fish. The fish were hungry. They wanted their food. But, what could they do--Bernie was busy! Well, they did all sorts of funny things. They wrote him a message. They swam upside down. They even performed a dance. They did other goofy things as well, but did they succeed? Did Bernie notice them, and did he finally reward them for their wacky reminders? Three Hungry Fish is especially suitable for children who are about two to seven years of age. Pre-schoolers will enjoy hearing this story, because they'll identify with the three main characters. They will also like the easy-to-see line drawings. The book is formatted landscape view, which makes reading it aloud much more convenient.

Fish kills are graphic evidence of serious problems in a lake or stream. If the kill is related to the presence of toxic chemicals, there may be human health concerns, in addition to the obvious damage to the ecosystem and the fisheries

resources. Depending on the cause of a fish kill, legal and economic ramifications may be involved. If the kill is caused by human or corporate actions, litigation is likely to follow, with possible court-awarded damages and assessed costs for cleanup and restoration. This manual is intended to help fisheries biologists and others to prepare for a fish kill investigation.

Fish Disease: Diagnosis and Treatment, Second Edition provides thorough, yet concise descriptions of viral, bacterial, fungal, parasitic and noninfectious diseases in an exhaustive number of fish species. Now in full color with over 500 images, the book is designed as a comprehensive guide to the identification and treatment of both common and rare problems encountered during the clinical work-up. Diseases are discussed following a systems-based approach to ensure a user-friendly and practical manual for identifying problems. Fish Disease: Diagnosis and Treatment, Second Edition is the must-have reference for any aquaculturists, aquatic biologists, or fish health specialists dealing with diagnosing or treating fish diseases.

The Cory catfish is one of our most suggested freshwater looks for aquarists of all experience levels. They look fabulous, they're anything but difficult to think about, and they are too inviting. There truly is nothing not to adore about this fish! This consideration guide will give you a total comprehension of Corydoras and what should be done to assist them with carrying on with a long and upbeat life. An exemplary expansion to any freshwater aquarium, the Cory catfish is broadly well known among aquarists running from fledgling to experienced. Like most catfish, these folks are base occupants that need to do their thing without disturbing others. Otherwise called Cory felines, reinforced catfish, Corydoras catfish, and Cory fish, these quiet animals make up the whole sort Corydoras, which incorporates more than 165 named species.

Do you wake up excited to enjoy the day? We all deserve to be happy and live the lives we want. Holistic nurse practitioner Bonnie Groessl reveals a variety of simple steps you can take to achieve better health, happiness, relationships and abundance. Stress is a challenging part of life, yet we can't live without it. To experience life is to experience stress. Bonnie describes how stress isn't so much what happens, but our reaction to it. Sometimes life throws us a curveball, but we have the innate ability to deal with any detour in life. We all have the power within us to open the door to a better life. You have the choice to empower yourself. No one can do that for you. Bonnie reveals strategies and techniques that power each of the 5 steps to better health and happiness. Take what fits for you and incorporate these easy steps into your life. This book serves as a treasure chest of resources, helping you add to your toolbox so you can move past any current barriers and create the life you want.

This important publication has been completely revised and expanded by 29 authors from the UK and USA for an international readership. It is extensively illustrated and intentionally practical with a large new section on systematic disorders that will aid disease diagnosis. This book covers all aspects of

ornamental fish health including: environmental needs, the aquatic trade, fishkeeping, disease investigation, systematic disorders, infectious and non-infectious diseases, medical and surgical therapies, relevant legislation and health & safety. Although written primarily for veterinarians, this book is an essential reference for anyone involved in professional fish health care and for those working in the ornamental fish industry and public aquaria.

EVERYTHING WHOLESALING is a powerful guide to real estate profit that is packed with all of the information that you will ever need to make money in real estate with NO money, NO credit and NO risk! Innovative Wholesaling Strategies Proven Effective in Generating Profit In Today's Complex Real Estate Market...GUARANTEED! EVERYTHING WHOLESALING not only contains basic wholesaling strategies, but also contains creative strategies to successfully close REOs, Short sales and Foreclosures. Learn the secret to finding estate properties before anyone else finds them and many other powerful strategies that will increase your profit and keep you ahead of all of the other wholesalers and buyers in your area. EVERYTHING WHOLESALING contains everything you need to find buyers, find properties, marketing deals, negotiate and evaluate properties, build your power team, leverage the power of Land Trusts to close REOs and short sales and so much more. Not only does this powerful guide contain the most effective wholesaling strategies on the planet, but I went a step further to ensure your success... The book is the guide and inside this powerful wholesaling guide is a key that unlocks my wholesaling vault! In the VAULT you will find... 1. Every contract you will ever need to make every deal successful. 2. Videos for each contract explaining step by step how to fill out each section of the contract. 3. NEW videos each month with new strategies and updated information on new wholesaling techniques as they develop with each market shift. My wholesaling vault is your lifeline to successful wholesaling in any market at any time! No more searching for wholesale strategies to get a deal closed. EVERY wholesaling strategy that you will EVER need will be at your fingertips! No more struggling with how to fill out a particular contract. EVERY contract that you will EVER need to successfully transfer a property over to your buyer will be in your WHOLESALING VAULT. EVERY contract will have a video on how to properly fill out each section of the contract! No more deals left behind, EVER! EVERY creative wholesaling strategy that you will EVER need to ensure that EVERY deal gets closed will be in your wholesaling guide ready for you to utilize. Not only will you learn the step by step process to put each strategy into place, but you will have direct access to my WHOLESALING VAULT where you will find all of the contracts to make it happen and a video on how to fill out each contract! My wholesaling strategies work, they are effective in producing profit and now I want to share them with you so that you can take real estate wholesaling to a whole new level. With the strategies, resources and contracts contained in this book and access to my WHOLESALING VAULT there is no limit to your success!"

Clinical Guide to Fish Medicine Designed as a practical resource, Clinical Guide to Fish Medicine provides an evidence-based approach to the veterinary care of fish. This guide—written and edited by experts in the field—contains essential information on husbandry, diagnostics, and case management of bony and cartilaginous fish. This important resource: Provides clinically relevant information on topics such as anatomy, water quality, life-support systems, nutrition, behavioral training, clinical examination,

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clinical pathology, diagnostic imaging, necropsy techniques, anesthesia and analgesia, surgery, medical treatment, and transport Describes common presenting problems of fish, including possible differentials and practical approaches Reviews key information on non-infectious and infectious diseases of fish in a concise format that is easily accessible in a clinical setting Written for veterinarians, biologists, technicians, specialists, and students, *Clinical Guide to Fish Medicine* offers a comprehensive review of veterinary medicine of fish.

**Aquaponics: Everything You Need to Know to Start an Expert DIY Aquaponic System From Home** Are you interested in growing plants together with fishes? Do you want to learn how to start your own Aquaponics System? Are you interested in an Exact Blueprint on how to build an Aquaponics System from scratch? If you answered YES to any of the above questions, this Aquaponics book is the book for you! This guidebook was designed as an introductory book, based around an exact building plan for multiple different aquaponic systems. The book has specifically been written from a beginner's perspective, so anyone can understand the process. If you are interested to learn about the benefits of aquaponics gardening and want to be inspired by soil-free garden ideas, this guide will certainly be beneficial to you. The following topics are covered in this book: An EXACT blueprint on how to build your own aquaponics system and garden Inspirational designs on how to shape your own aquaponics garden to your needs The key benefits of using a aquaponics system in for growing Useful tips on how to optimize your aquaponics system How to achieve optimal growing conditions What common mistakes to avoid when building your aquaponics system These are just SOME of the topics that are covered in this book! Starting an organic aquaponic garden is not only a lifestyle choice, it is also a healthy choice. Freshly harvested organic vegetables are packed with healthy vitamins, minerals and other building blocks for a super-healthy lifestyle. Having your own aquaponics garden is also both a great learning project for children, as well as a lovely outdoor hobby for adults. Discover the opportunities of the aquaponic gardening life... This book will introduce you to a world where you will see growing vegetables, herbs and berries in a different light. Forget those perfectly shaped, processed and pre-packaged products from your local supermarket, naturally produced foods are way more healthy and tasty! After starting out with the expert blueprint discussed in this book, it will be a piece of cake for you to branch out into a large aquaponics garden full of delicious, fresh and homemade foods. Interested to learn more? Scroll to the top of the page and select the ADD TO CART button to start reading immediately! --- Tags: Organic vegetable garden, gardening for beginners, vegetable home garden, organic gardening, home garden, backyard farm, homesteading, urban homestead, permaculture, self sufficiency, perennial vegetables, aquaponics, herbal garden, gardening books, berries, canning, food preservation, tomatoes, carrots, beets, beginners gardening, horticulture, landscape, botanical, plant, hydrofarm, budget, money, time, cannabis, aquaponic garden made easy.

An authoritative 1997 review of the effects of stress on fish in polluted water, research labs and fish farms.

A standard text in a variety of courses, the *Techniques Manual*, as it is commonly called, covers every aspect of modern wildlife management and provides practical information for applying the hundreds of methods described in its pages. To effectively incorporate the explosion of new information in the wildlife profession, this latest edition

is logically organized into a two-volume set: Volume 1 is devoted to research techniques and Volume 2 focuses on management methodologies.

The definitive field guide to North American saltwater fish—from the absolute authority on sportfishing Before you head out to the open seas, listen up: Your tackle box is not complete without Ken Schultz's Field Guide to Saltwater Fish! Written by one of the foremost experts in sportfishing, this colorful reference provides anglers and fish enthusiasts of all levels an easy-to-use, indispensable guide to help you identify and learn about the most common species found off the North American coastlines—from albacore to yellowtail. Based on the award-winning reference book Ken Schultz's Fishing Encyclopedia, this handy field guide compresses the essence of its bestselling predecessor into a more manageable, compact size. Arranged alphabetically by species, each entry covers the identification, size/age, distribution, habitat, life history/behavior, and feeding habits of each fish. This fully illustrated, full-color guide makes it easy to identify what's at the end of your line. You'll learn how to distinguish an Atlantic mackerel from a Spanish mackerel, for instance; why you might mistake a cobia for a shark or a remora; how the red grouper's saddle spot will help you tell it apart from a Nassau grouper; and so much more. Written for the 16 million people who enjoy saltwater fishing, Ken Schultz's Field Guide to Saltwater Fish features:

- \* 227 of the most common saltwater fish
- \* Large, full-color illustrations to help you identify your catch
- \* Approachable organization in a compact, take-along size
- \* A comprehensive glossary that explains the terms used in the species profiles
- \* Overview and anatomy sections written in layman's terms

Ken Schultz's Field Guide to Saltwater Fish is a must-have for any fan of America's favorite pastime: fishing!

Global aquaculture production has grown rapidly over the last 50 years. It is generally accepted that there is limited potential to increase traditional fisheries since most fish stocks are well or fully exploited. Consequently increased aquaculture production is required in order to maintain global per capita fish consumption at the present level. Fish farming enables greater control of product quality and safety, and presents the possibility of tailoring products according to consumer demands. This important collection reviews safety and quality issues in farmed fish and presents methods to improve product characteristics. The first part of the book focuses on chemical contaminants, chemical use in aquaculture and farmed fish safety. After an opening chapter discussing the risks and benefits of consumption of farmed fish, subsequent contributions consider environmental contaminants, pesticides, drug use and antibiotic resistance in aquaculture. Part two addresses important quality issues, such as selective breeding to improve flesh quality, the effects of dietary factors including alternative lipids and proteins sources on eating quality, microbial safety of farmed products, parasites, flesh colouration and off-flavours. Welfare issues and the ethical quality of farmed products are also covered. The final part discusses ways of managing of product quality, with chapters on HACCP, monitoring and surveillance, authenticity and product labelling. With its distinguished editor and international team of contributors, Improving farmed fish quality and safety is a standard reference for aquaculture industry professionals and academics in the field. Reviews safety

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and quality issues in farmed fish and presents methods to improve product characteristics Discusses contaminants, persistent organic pollutants and veterinary drug residues and methods for their reduction and control Addresses important quality issues, genetic control of flesh characteristics and the effects of feed on product nutritional and sensory quality

Fish nutrition can be the deciding factor between a robust and healthy farmed fish population and low aquaculture production. In an age where chemicals and antibiotics are under greater scrutiny than ever, a strong understanding of the role of nutrients and feed additives is essential in the aquaculture industry.

Dietary Nutrients, Additives and Fish Health is a comprehensive review of dietary nutrients, antinutritional factors and toxins, and non-nutrient dietary additives, and their effects on fish performance and immune system function, as well as overall health. The book opens with an overview of fish immune systems and health.

Subsequent chapters delve into proteins and amino acids, lipids and fatty acids, carbohydrates, beta glucans, vitamins, minerals, antinutrients, mycotoxins, nucleotides, prebiotics, probiotics, organic acids and their salts, and plant extracts and their impacts on fish health, growth, and development. The text then concludes with a chapter on feeding practices. Authored by leaders in aquaculture, Dietary Nutrients, Additives and Fish Health will be an invaluable resource to graduate students, researchers and professionals alike.

Fish are critically important to the welfare of this planet and its occupants, the health of both wild and captive fish populations paramount to our survival. This book presents the gross pathology of the most commonly encountered diseases and syndromes of fish in an organ system-based approach. It provides an overview of the di

There are countless books on the market about nutrition, diet, and exercise in isolation. Optimal Aging brings these topics together as they relate to the process of aging and the diseases which so often accompany it. Written by Jerrold Winter, PhD, a professor of pharmacology and toxicology and the author of True Nutrition True Fitness, this book provides an integrated discussion about health matters, offering evidence-based advice regarding nutrition, exercise, and the use of pharmaceuticals as they relate to dementia, obesity, diabetes, cancer, pain, and other hazards of aging. Amid a sea of contradictory information about what's healthful, Optimal Aging stands out, delivering a comprehensive discussion about healthy living that's buoyed by source references, illustrative anecdotes, and just the right dose of humor. Drawing from current scientific understanding and providing historical perspectives, Winter speaks sensibly about drugs and their effects, vitamins and minerals, exercise, weight control, and treatment of age-related symptoms and diseases. With this authoritative book in hand, you'll gain a fundamental understanding of the disparate factors that come together to influence your well-being, setting you on the path to a longer, healthier, and happier life.

Spectacularly illustrated with 1,300 full-color photographs, this encyclopedic

guide to one of the world's most popular hobbies showcases the shimmering diversity of 800 kinds of freshwater aquarium fish from every corner of the world. It is the only book available that features representative species of each family ingeniously photographed -- both in an aquatic environment and against a white background -- highlighting their shapes and distinctive markings. An authoritative text provides a detailed description of the characteristics, feeding habits, breeding behavior, and native habitats of each fresh and brackish water species, as well as information on its care. The consummate guide to an exciting hobby, Aquarium Fish of the World is sure to become a classic reference book for aquarium fish enthusiasts everywhere.

Complete, easy-to-follow guide for managing your scoliosis during pregnancy! "An Essential Guide for Scoliosis and a Healthy Pregnancy" is a month-by-month guide on covering everything you need to know about taking care of your spine and your baby. The book supports your feelings and empathizes with you throughout your amazing journey towards delivering a healthy baby. By reading, you gain: - In-depth and up-to-date information on scoliosis and how it can affect your pregnancy. - Week-by-week information on what to expect during your pregnancy. - Information that is suitable for all types of post-operative scoliosis cases and those that, to date, have not yet been operated on. - Clear, compassionate and comprehensive answers to the common questions about scoliosis and pregnancy. - Crucial decision making tools decisions for important issues including epidurals, birthing procedures, changes to the spine due to hormones, and more to protect your baby. - Tips to help you minimize unnecessary weight gain and keep your nutrient intake high. - The latest nutritional research that debunks pregnancy food myths and uncovers a number of surprising superfood choices. - Expert advice on staying fit and eating right during each trimester of pregnancy. - Self-care tips for side effects including nausea and back pain. - Fun, fast, and safe scoliosis exercises during the month of pregnancy and postpartum. - Tips for strengthening your pelvic floor, easing back pain, and losing belly fat postpartum. - Relaxation tips to reduce pain and increase your comfort. This book provides answers and expert advice for pregnant women suffering from scoliosis. Full of information to cope with the physical and emotional upheavals of pregnancy during scoliosis. From conception to birth and beyond, this guide will hold your hand until you become a happy and proud mother of a healthy newborn baby.

This is a short illustrated manual on anatomy for students. The manual is only 32 pages but is packed with information and diagrams. There are eight topics that are covered: (1) Bones and Joints, (2) Muscles and Tendons, (3) The Skin, (4) The Digestive System, (5) Circulation of the Blood, (6) The Respiratory System, (7) The Eye and the Ear, and (8) The Nervous System.

The manual comes with twelve illustrations. It is good to publish this concise guide for students. This is a new, high-quality, and affordable edition of this manual.

Have you always wanted to write a book but, just never get around to it? Do you lack confidence in yourself as a writer? Need inspiration? How to Write a Book in a Week ( A Writer's Guide to Meeting a Deadline ) is the answer to all of these questions and more.

Platy Care: The Complete Guide to Caring for and Keeping Platies as Pet Fish The platy (scientifically known as *Xiphophorus Maculatus*) is genus of freshwater fish that is native to the east coast of Central America and southern Mexico. The two species within the platy genus are the southern platyfish and the variatus platy. The two species have been interbred to the point that there is basically no difference between them - most pet stores and aquarium stores sell platies as a hybrid species. Platy are considered to be a good choice for beginner fish keepers due to the fact that they are relatively hardy fish and have a peaceful nature. Due to their peaceful nature they are a great species to introduce to a community tank. Here at Fish Care Manuals we are passionate about fish care. As a brand we have a strong idea of what makes up a good fish care book. We have consulted with multiple experts in the field of fish caring to allow us to create a book filled with cumulative opinions and best practices. The experts we consult range from veterinarians to every day fish keepers who have had years of experience caring for the specific fish each book is on. Our aim, and mission, is to produce the best possible fish care books that are a great value for money. Tags: PLATY, PLATY care, PLATY fish, PLATY fish care, PLATY pet, PLATY pet care, PLATY pet fish, PLATY aquarium, aquarium, fresh water, fresh, water, salt water, salt, tropical fish, tropical fish care, tropical pet fish, exotic, tropical, exotic fish, exotic fish care, exotic pet fish, aquarium maintenance, aquarium how to, best aquarium, fish food, PLATY care guide, PLATY care manual, how to look after PLATY, best practice to care for PLATY, fish care for beginners, PLATIES, PLATIES care, PLATIES fish, PLATIES fish care, PLATIES pet, PLATIES pet care, PLATIES pet fish, PLATIES aquarium, aquarium, fresh water, fresh, water, salt water, salt, tropical fish, tropical fish care, tropical pet fish, exotic, tropical, exotic fish, exotic fish care, exotic pet fish, aquarium maintenance, aquarium how to, best aquarium, fish food, PLATIES care guide, PLATIES care manual, how to look after PLATIES, best practice to care for PLATIES, fish care for beginners, David Alderton's investigation of anabantoids, the Asiatic gouramis;the bettas and gouramis, including Siamese fighting fish, paradisefish, kissing gouramis, begins with a look at the origins of these adaptable and widely varying fishes in their Asiatic homelands, where they've been popular for hundreds of years. Given the considerable size range of this group of fishes, from the tiny licorice gourami (only 1.5 in or 4 cm in length) to the giant gourami (about 28 in or 70 cm), there are great differences to be considered by the fish keeper, all of which are addressed by Alderton in this color guide. The anabantoids is also a large group of fishes, with one hundred varieties/species available in most pet and hobby stores. The book provides photographs and images of dozens of the most popular examples. Chapter two is devoted to "The Different Groups," and the author explains how the classifications of anabantoids work and then proceeds to discuss the members of each family. In all, eighteen genres are described in detail, including their natural ranges, physical characteristics, abilities, behaviors, and breeding facts. The author discusses the specific traits of the anabantoids, including their unique labyrinth organs, swim bladders, hearing ability, lateral line, and locomotion. The section on care discusses the selection and positioning of the aquarium, planting, flooring, water, filtration, heating, and lighting. The guide gives specific advice on feeding habits and food, including foraging and hunting techniques of certain anabantoids and the various kinds of food (prepared diets, green food, live food) that are best for individual species. For readers interested in breeding bettas and gouramis, the chapter on reproduction will prove exceptionally helpful, giving expert guidance on preparing for and encouraging spawning behavior, nest building, and rearing the fry. The author also provides information on color genetics for breeding *Betta splendens*. The general health of the Asian gouramis is covered in a chapter called "Lifespan and Diseases," including a primer on preventing and managing parasitic illness, bacterial and fungal diseases, dietary problems, and more. In the book's final chapter "Popular Anabantoids," the author presents a full-page of text and photographs for twenty-six different species of the families Belontiidae, Anabantidae, Osphronemidae,

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Helostomatidae, and Luciocephalidae. Resources and glossary conclude the volume.

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