

Family; Syngnathidae

(Seahorses, Seadragons and Pipefishes)

Bibliography

By

Jim Forshey
The Aquatic Book Shop
Jim@Seahorses.com
www.Seahorses.com
Placerville, California

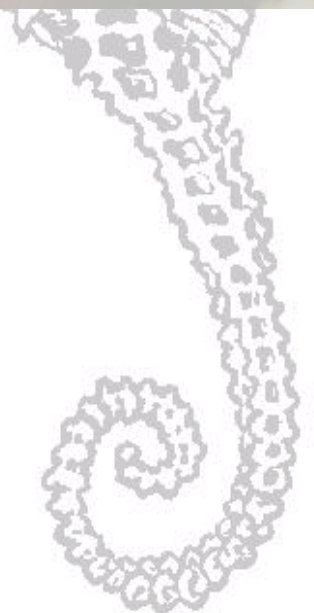
Edited by

Bruce Watts
bewatts@greencafe.com
Idyllwild, California

PDF Format

2005 October – 2nd Edition

Pipefish
Photo by Agnes Forshey



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts

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Published by

Jim Forshey
The Aquatic Book Shop
Placerville, California
USA

E-mail Jim@seahorses.com

and

Bruce Watts
bewatts@greencafe.com
Idyllwild, California

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Phycodurus eques
Photo by Agnes Forshey



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By Jim Forshey

Dedication

I would like to thank Agnes (my wife) and Anessa (my daughter) for their support, involvement, help and understanding over the years towards my interests.



Acknowledgments

I would like to thank my entire fellow of Seahorse, Seadragon and Pipefish friends that have over the years been very helpful in freely sharing information, advice, ideas, with me and other hobbyist.



Phycodurus eques
Photo by Bruce Watts



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts

Forward

We hope that the "Family; Syngnathidae (Seahorse, Seadragons and Pipefish) Bibliography" will be of enjoyment and helpful to you in your enjoyment of Seahorse, Seadragons and Pipefish and the knowledge of them and their Natural History.

We plan on making an updated edition in October of each year. Each of the editions will contain additional information.

We will be trying to keep the costs down, currently the costs will be \$15.00 each for the printed folder version, plus \$2.95 for shipping in the USA (contact us for shipping to other locations), the PDF version may be freely shared and distributed as long as this is done as a complete file, with no modifications having been done to the original file. (We will be only printing 25 color copies of each edition.)

If you see any error or would like to contribute something, more/updated information, etc. Please forward them to us at.

All items listed are contained in our collections for future reference,



We are always looking for additional information, books, articles, references, and additional information. If you know of anything that we do not have listed, please let us know and if possible were we can obtain a copy.

Jim Forshey
The Aquatic Book Shop
Placerville, California
USA
Jim@Seahorses.com
(530) 622-7547

or

Bruce Watts
bewatts@greencafe.com
Idyllwild, California

Thank you and we hope that the "Family; Syngnathidae (Seahorse, Seadragon and Pipefish) Bibliography" will be great help to you in your enjoyment and education of Seahorse, Seadragon and Pipefish.

Thank you

Jim Forshey and Bruce Watts

Hippocampus reidi
Photo by Bruce Watts





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Hippocampus reidi
Photo by Bruce Watts

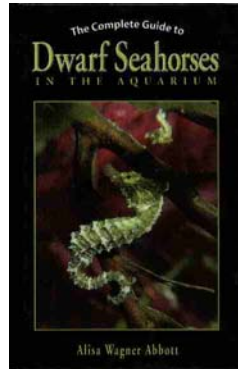
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Tiger Tail Seahorse (*Hippocampus comes*)
Photo by Bruce Watts



Books on Seahorse, Seadragons and Pipefishes by Author



Abbott, Alisa Wagner; **The Complete Guide to Dwarf Seahorses in the Aquarium**, 2003, hardback, 144 pages

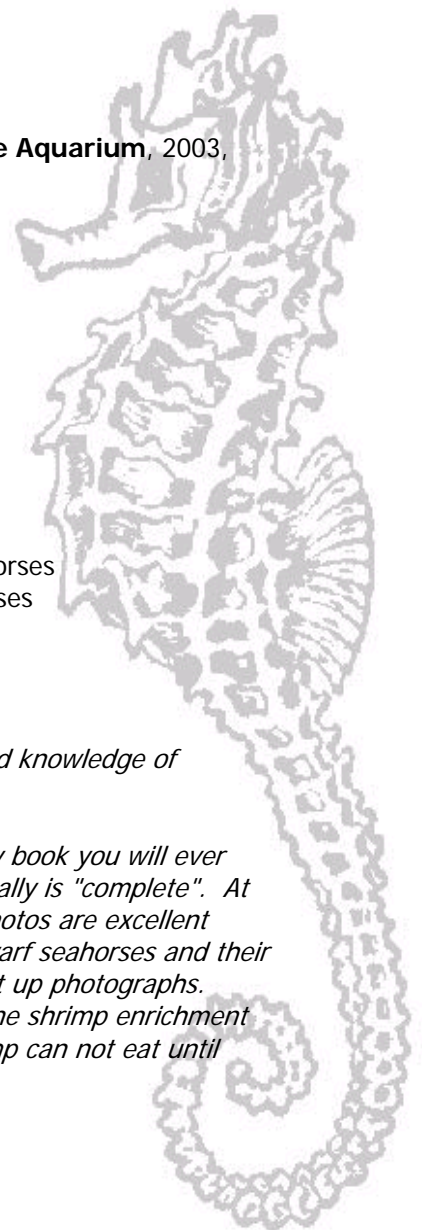
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Introduction to Dwarf Seahorses
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Chapter 3 – Proper Care & Maintenance
Chapter 4 – Stocking Your Ranch
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Chapter 6 – When Seahorses Get Sick
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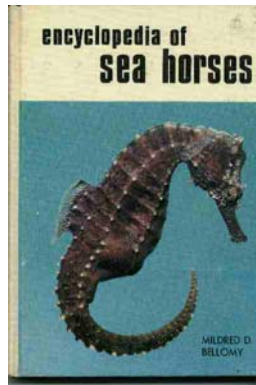
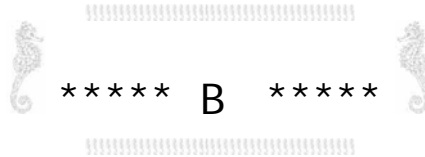
--- *Good book, written by some one who has experience and sound knowledge of seahorses – Jim Forshey*

--- *If you are interested in keeping dwarf seahorses this is the only book you will ever need. It covers every aspect of Hippocampus zosterae care. It really is "complete". At times it seems almost redundant but, that is a good thing. The photos are excellent throughout especially when you consider the diminutive size of dwarf seahorses and their fry. Although I would have liked to have seen a few more tank set up photographs.*

There were a few minor problems. The text mentions baby brine shrimp enrichment on pages 57 and 64 but, it does not mention that baby brine shrimp can not eat until



they are at about 24 hours old due to the lack of mouth parts. This is corrected on page 110. Also on page 65 the author mentions separating the baby brine from the egg cases by putting a light at the top of the hatcher and having the brine swim toward the light. As the egg cases float this method would not be the most effective. The final chapter on the greater seahorses seems to be a tacked on piece to help sell the new book on the said subject soon to be released. All these are only minor problems and do not detract from what will be the definitive book on the subject of dwarf seahorses for many years to come. I highly recommend this book to anyone interested in seahorses.
– Bruce Watts



Bellomy, Mildred D.; **Encyclopedia of sea horses**, 1969, 192 pages, Hardback, Publisher Tropical Fish Hobbyist Publications, Inc.

--- It took me four or five years to get my hands on a copy of this book. Since it was written in 1969 much of the information is out of date. The first eight chapters deal with the "wonders" of seahorses. For the uninitiated, which includes most all hobbyists in 1969, the various anatomical and behavioral traits are discussed. This section cites many earlier works. One fact I did not realize is that the seahorse is the only fish that has a neck. This section contains a nice description of the mating dance but also some errors i.e. the gestation period for seahorses 40 to 50 days, the average brood size for dwarf seahorse is 50.

*Chapters 10 and 11 deal with New World and Old World species respectively. These two chapters are the reason for the Encyclopedia in the title. This I believe is the first hobby oriented book to deal with non-native species. The author goes into great detail on the various species and subspecies of *H. erectus*, *H. hudsonius hudsonius*, *H.h.punctulatus* and *H.h.kincaidi*, but of course today we know them as *H. erectus*. It must have been an era of "splitters", even *H. zosteriae* is split in two with a second species *H.regulus*. The old world species are also split up. One species was said to be distinct because the females had pouches. I wonder where they are today. Even though this section seems a mess with what we know today, I still must commend the author for trying to sort things out. We must not forget scientists today still don't agree on the number of seahorse species.*

The seadragons are mentioned in chapter 12. The rest of the book's chapters deal with keeping seahorses in the aquarium. Of course these chapters seem very dated due

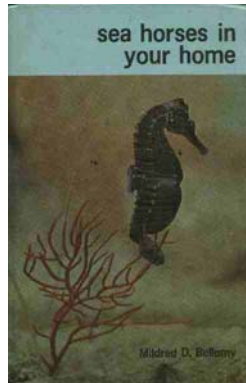
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to the advancement of marine aquarium technology. This books 192 pages are filled with photographs in both black and white and color. The photos run the gamut from superb to silly, like the photo on page 35 showing seahorses hitched to a submerged Christmas tree. Was it worth the wait to get this book? I have to say yes because I still can never read enough on my favorite subject, seahorses. – Bruce Watts

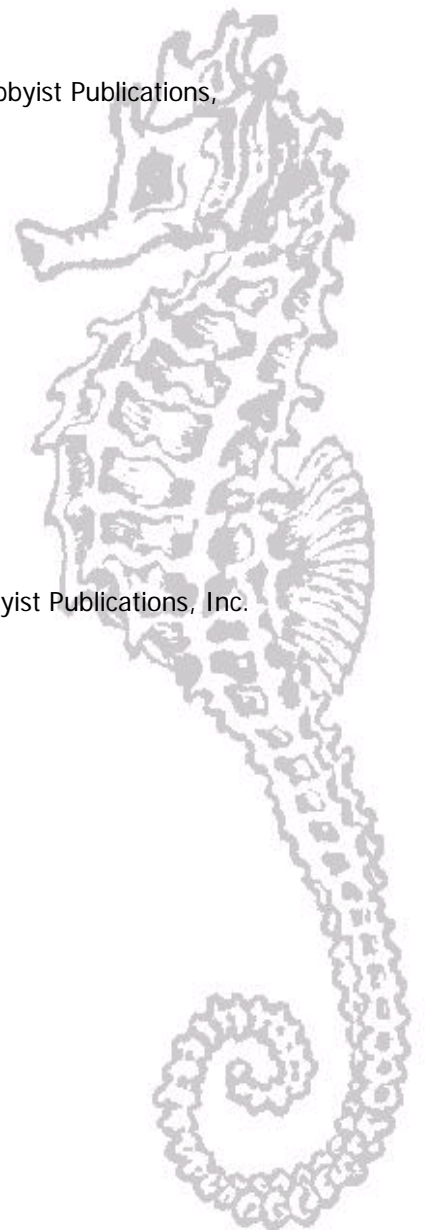
Bellomy, Mildred D.; **Sea horses in your home,**



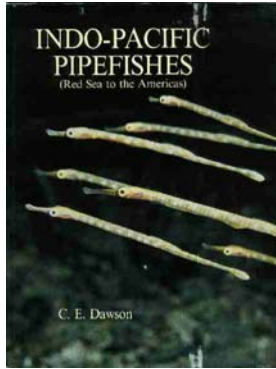
Paperback Edition 1969, 64 pages, Paperback, Publisher Tropical Fish Hobbyist Publications, Inc.



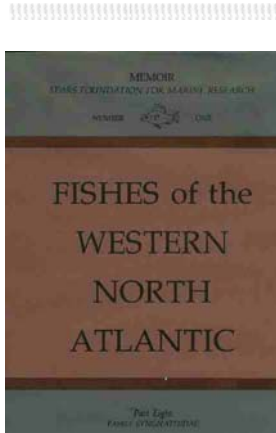
Hardback Edition 1973, 64 pages, Hardback, Publisher Tropical Fish Hobbyist Publications, Inc.



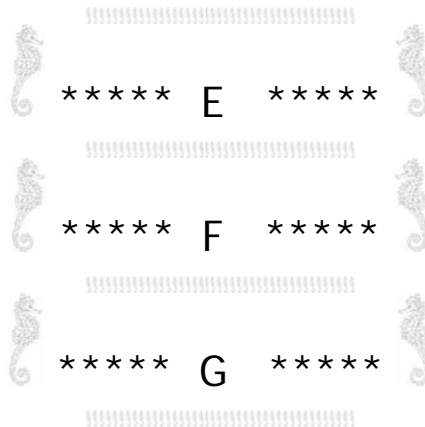
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Dawson, C. E.; **Indo-Pacific Pipefishes (Red Sea to the Americas)**
1985, Hardcover, 293 Figures, 63 maps, 283 black and white photographs
Comments; Very good book on pipefishes, cover 47 genera, 175 species and 7 subspecies.



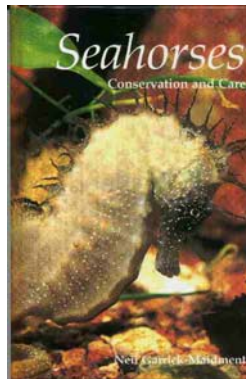
Dawson, C. E. and Vari, Richard P.; **Fishes of the Western North Atlantic Part Eight Family SYNGNATHIDAE**, 1982, hardback, 198 pages, Publisher Sears Foundation for the Marine Research



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Garrick-Maidment, Neil; **Practical Fishkeeping Seahorses**, 2002, hardback, 64 pages,
Published by Ringpress Books

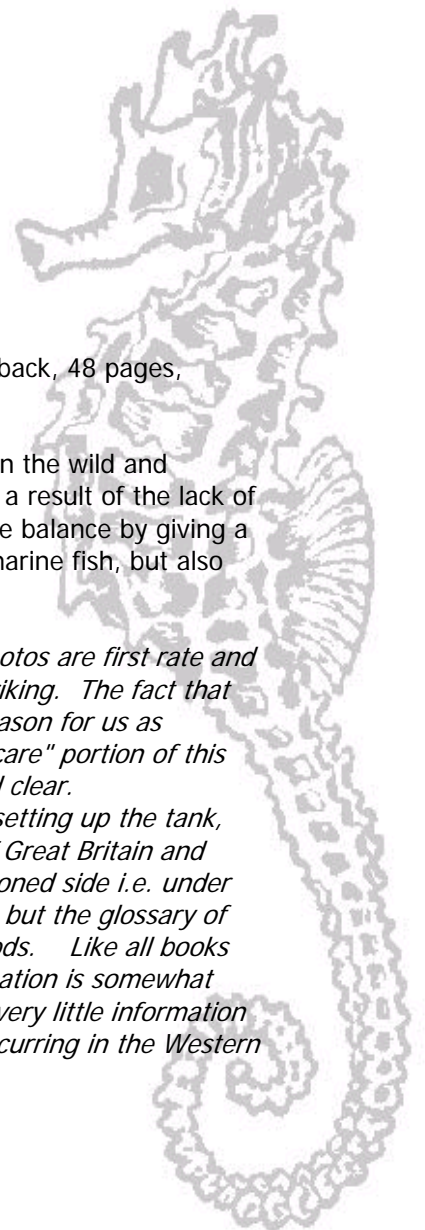


Garrick-Maidment, Neil; **Seahorses Conservation and Care**, 1997, hardback, 48 pages,
Publisher Kingdom Books England

This book has been written in response to the plight of seahorses in the wild and captivity. Every year, huge numbers of seahorses die in aquaria as a result of the lack of accurate information on how to keep them. This book redresses the balance by giving a comprehensive account of how to care for these most difficult of marine fish, but also stress the need for their conservation in the wild.

--- This slim 48 page HB book is very handsomely printed. The photos are first rate and the cover photograph of Hippocampus ramulosus is particularly striking. The fact that seahorses are such unique and beautiful animals is all the more reason for us as aquarists to be concerned with their conservation. Although the "care" portion of this book is a little weak the conservation part comes through loud and clear.

The book is broken down into sections on, what is a seahorse, setting up the tank, feeding, breeding, seahorse health, seahorse gallery, seahorses of Great Britain and glossary of seahorse food. The tank setup is a bit on the old fashioned side i.e. under gravel filters. The feeding deals with catching your own live foods but the glossary of foods has small drawings to help identify the various seahorse foods. Like all books written before the availability of captive bred seahorses the information is somewhat dated but still useful. The seahorse gallery has useful photos but very little information on aquarium care. For some reason the gallery lists H. kuda as occurring in the Western



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Atlantic. This book was issued at a time when seahorse keeping was just becoming popular and as such it was an important work for it's time. I understand that the book will be updated soon and I can't wait to see the new edition. --- Bruce Watts



Giwojna, Pete; **A Step-By-Step Book About Seahorses**
Paperback Edition 1990, 64 pages, Paperback, Publisher Tropical Fish Hobbyist Publications, Inc



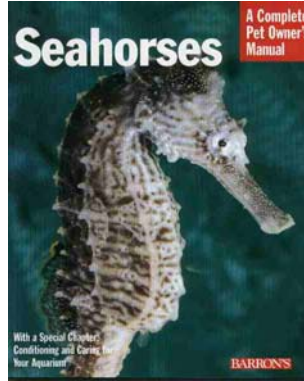
Giwojna, Pete; **A Step-By-Step Book About Seahorses**
Hardback Edition 1990, 64 pages, Hardback, Publisher Tropical Fish Hobbyist Publications, Inc

*--- Like most books written about seahorses before 1999 this book is pretty much obsolete. In 1999 the first captive bred seahorses became available and keeping seahorses totally changed. The breeding section gives a good overview on breeding the dwarf seahorse. As far as breeding the larger species the author mentions that successful spawnings were not common in the aquarium. This same author would go on to explain the reasons for the lack of success in a landmark two part article **Seahorse Breeding Secrets** in FAMA in the Jan. and Feb. 1999 issues. Still useful is the section on feeding, which was expanded in another series of five articles in Fama from Oct. 1996 to Feb. 1997. I also found the section on seahorse diseases helpful. Now out of print, I would still recommend this book if you can find it.- Bruce Watts*

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***** H *****

***** I *****



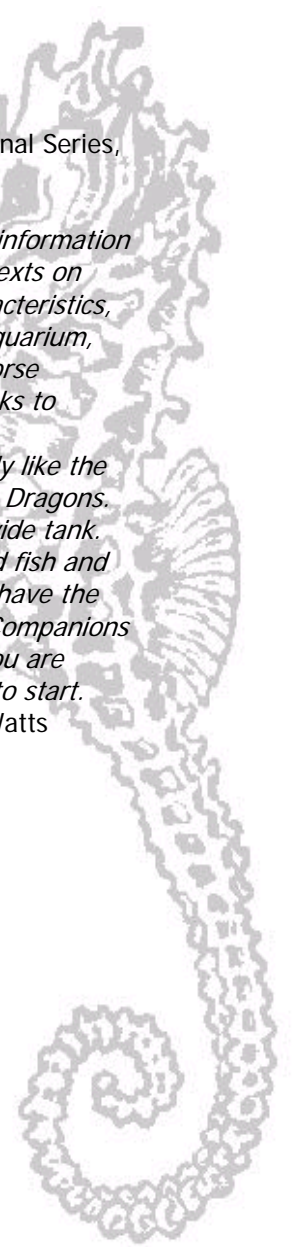
Indiviglio, Frank; **Seahorses**, 2002, paperback, 96 pages, Publisher Barron's Educational Series, Inc.

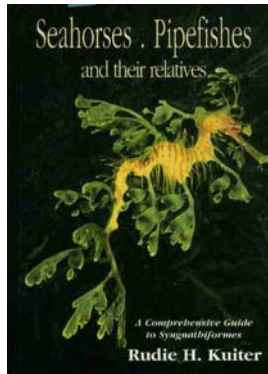
--- *This paperback by Barron's contains just under a hundred pages of useful information and attractive photographs. Published in 2002 it is one of the more modern texts on keeping seahorses in the aquarium. Sections include, Classification and Characteristics, Aquarium Habitats for Captive Seahorses, Conditioning and Caring for Your Aquarium, Nutrition and Feeding, Seahorse Health, Caring for the Various Species, Seahorse Companions, Seahorse Survival(in the wild) and Information (a section of links to further reading).*

This book is written for the beginner and covers all the basics. I particularly like the Species section as it contains information on 15 seahorse species and the Sea Dragons. The section on choosing an aquarium is a problem as it recommends a low, wide tank. As most experienced seahorse keepers know, seahorses are vertically oriented fish and should have a tall aquarium. The mid to large sized species should definitely have the extra height if you want to give them the best conditions to breed. Also the Companions section contains a few questionable tankmates i.e. banded coral shrimp. If you are thinking of starting a seahorse tank I would recommend this book as a place to start. You will then be ready to go on to more advanced reading material. - Bruce Watts

***** J *****

***** K *****





Kuitert, Rudie H.; **Seahorses, Pipefishes and Their Relatives - A Comprehensive Guide to Syngnathiformes**; 240 pages, hardback, 2000

"Seahorses are amongst the most unusual of all fishes and probably the most "unfish-like". They have an upright posture, a head bent at an angle, a tubed snout with a small mouth at the tip, and a strong prehensile tail to grab onto things. A look that is far from the familiar scaly creature caught on line and hook. It is not surprising that many people find it difficult to believe that they are actually a kind of fish, one that belongs to the same phylum as the Goldfish or Herring, that at some stage were thought to be insects. However, Seahorses are only the better known members of a large diverse group, the Pipefish family. These fishes have adapted to specific niches in reef or algal habitats, and a long time of evolution has created this numerous and highly diverse family. Besides the Seahorses, this family encompasses Seadragons, Pipefishes and Pipehorses, amongst which are some of the most fascinating and interesting examples of adaptations to nature."

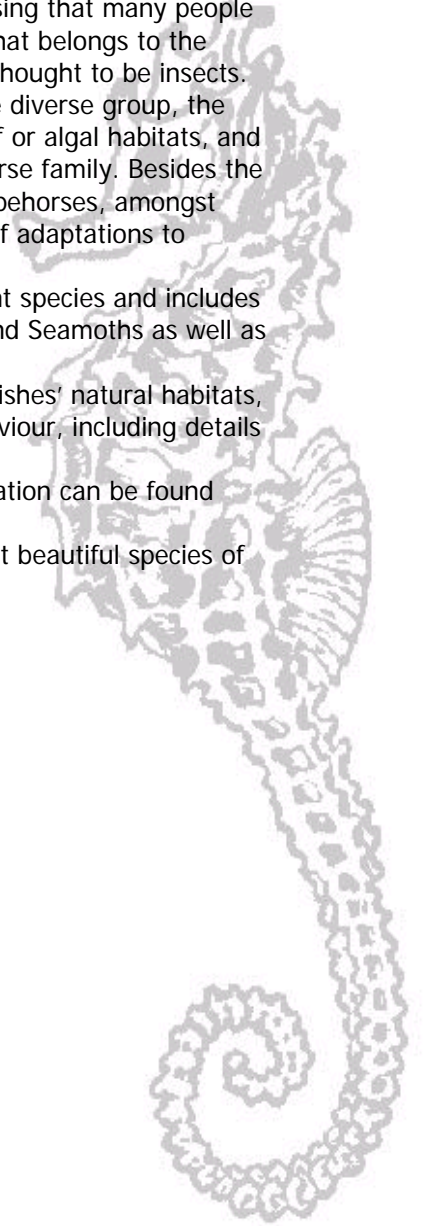
This 240 page book gives detailed information on over 350 different species and includes Seahorses, Pipefishes, Seadragons, Shrimpfishes, Trumpetfishes and Seamoths as well as a list of all known species of the World.

With more than 1000 spectacular photographs, most taken in the fishes' natural habitats, the book contains a wealth of information about habitats and behaviour, including details of ideal aquarium set ups for each species.

Pictured contents pages and a comprehensive index means information can be found quickly and easily.

A really stunning and fascinating guide to some of the ocean's most beautiful species of fish.

Chapters:
Introduction
Classification and Relationship
Names and Synonyms
About the Book
- General
- Terminology
Seahorses
- General
- Distribution
- Husbandry
Syngnathidae-1
- Hippocampinae



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- Pipehorses and Seadragons
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- Syngnathidae-3
 - Doryrhamphinae - Flag Tail Pipefishes
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 - Syngnathinae - Pipefishes
- Related Families
 - General
- References and Literature Consulted
- Classification and List of Species
- Index

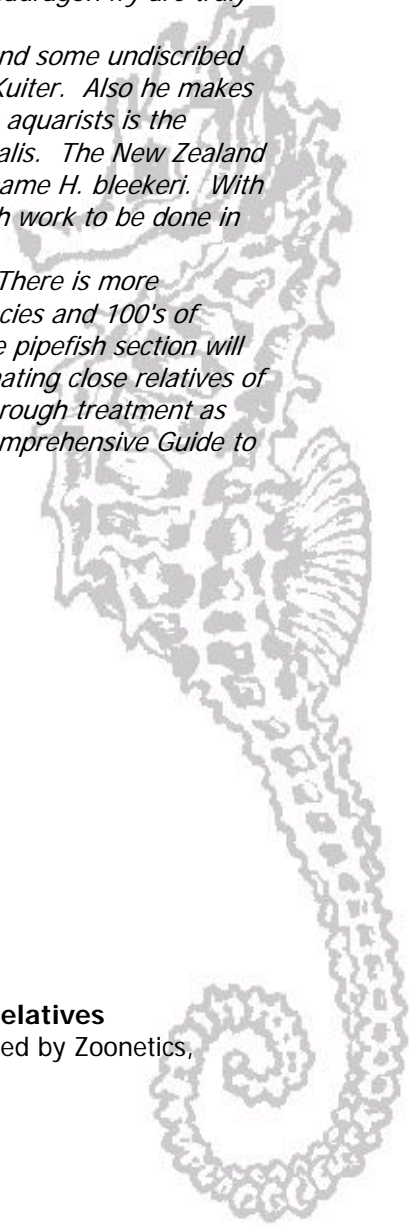
--- The listing above shows the contents of this book, but a few comments are in order. First and foremost, if you can only have one volume on the family Syngnathidae, this would be the most useful. This is the type of book that you will be referring to again and again. Although lacking in information on aquarium care it does a good job of describing the various species habitats. Most of the photos are shot in the wild and the quality of the photographs is first rate throughout. The shots of the Leafy Seadragon fry are truly amazing.

The seahorse section lists several species not listed elsewhere and some undescribed species as well. Some of these have since been described by Mr. Kuitert. Also he makes some changes in the existing species listings. The most notable to aquarists is the splitting of the New Zealand and Australian *Hippocampus abdominalis*. The New Zealand population retains the species name and the Australian takes the name *H. bleekeri*. With the recent discovery of several new species there obviously is much work to be done in the seahorse section.

The section on pipefishes is the largest section of this volume. There is more information here than in any other single source with over 200 species and 100's of quality photos. Although my interest is primarily *Hippocampus*, the pipefish section will come in handy when I start to try keep and propagate these fascinating close relatives of the seahorses. The other family members are giving the same thorough treatment as their more popular cousins. As the subtitle says, this truly is "A Comprehensive Guide to the Syngnathidae". - Bruce Watts

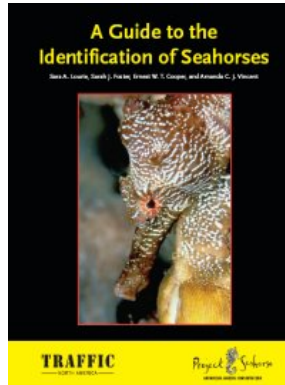
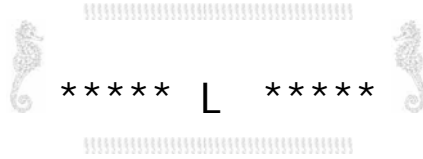


Kuitert, Rudie H.; **Seahorses, Seadragons, Pipehorses, Pipefishes & Relatives Syngnathiformes Pictorial Guide**; 240 pages, hardback, 2001, published by Zoonetics,



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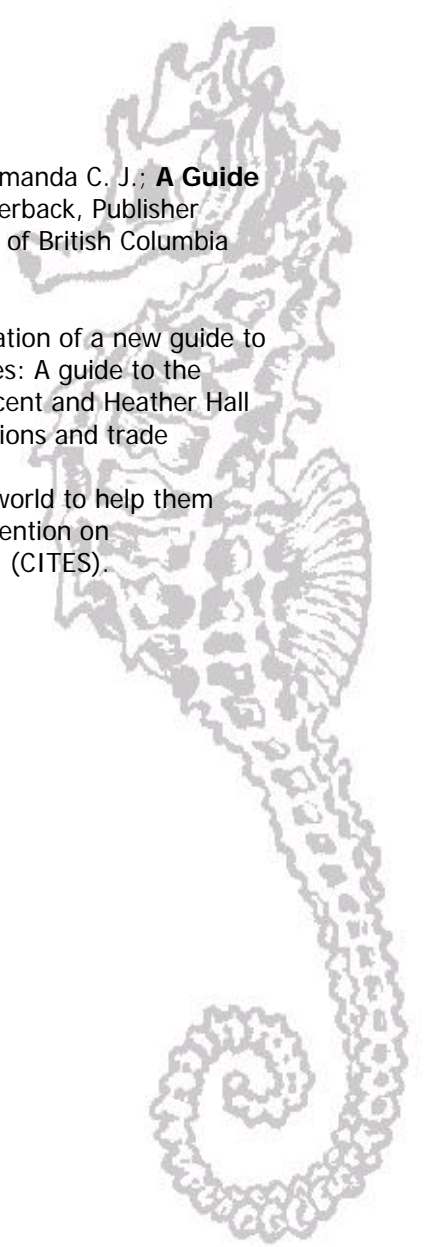
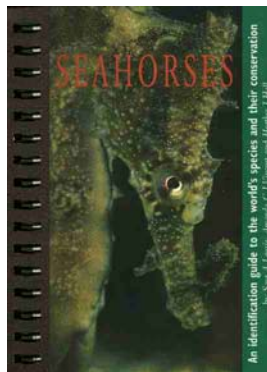
This is an updated copy of Kuitert, Rudie H.; Seahorses, Pipefishes and Their Relatives - A Comprehensive Guide to Syngnathiformes, 2000
It is also limited edition, the book we have is number 6, and comes in a slip case, is also about twice in size (dimensions) of the earlier edition.



Lourie, S. A., and Foster, Sarah J. and Cooper, Ernest W. T. and Vincent, Amanda C. J.; **A Guide to the Identification of Seahorses**, 2004, 114 pages, spiral bound, paperback, Publisher Project Seahorse and TRAFFIC North America. Washington D.C.: University of British Columbia and World Wildlife Fund.

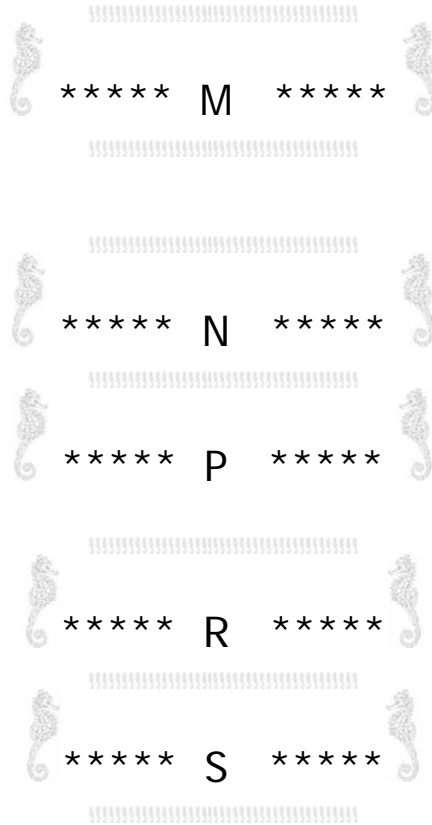
Project Seahorse and TRAFFIC are pleased to announce the publication of a new guide to the identification of seahorses. The new book is based on *Seahorses: A guide to the world's species and their conservation* by Sara Lourie, Amanda Vincent and Heather Hall (Project Seahorse, 1999), and has been updated with new descriptions and trade information.

The new guide is being distributed to Customs agents around the world to help them implement the new listing of seahorses on Appendix II of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).



Lourie, Sara, and Vincent, Amanda and Hall, Heather; **Sea Horses An identification guide to the world's species and their conservation**, 1999, spiral bound, paperback, 214 pages, 120 color photos 37 black and white illustrations, 37 maps, Publisher Project Seahorse

Based on original research, this book is the only comprehensive guide to seahorse species world-wide. Detailed background information introduces the reader to the fascinating of these unusual fishes, the threats they face and current efforts to conserve them for the future. Available evidence suggests that seahorse numbers are declining, yet until now there has been no clear indication of even how many species exist. The heart of the book presents descriptions of each species supported by full illustrations, photographs, distribution maps and a pictorial key. The clear non-technical language used makes it valuable for conservationists, researchers, museum curators, trade and customs officials, fishermen, aquarists and interested lay-people alike. Contents include: Behavior and ecology; distribution and habitats; reproduction; A global trade; Conservation issues; Project Seahorse; Taxonomy and classification; Seahorse species; and IUCN and CITES explained. The first guidebook to the world's seahorses does justice to their beauty and extraordinary biology, while being a user-friendly identification handbook and offering practical advice on the urgent need for conservation.



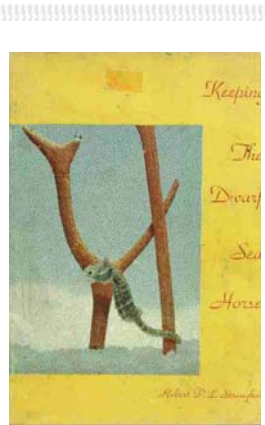
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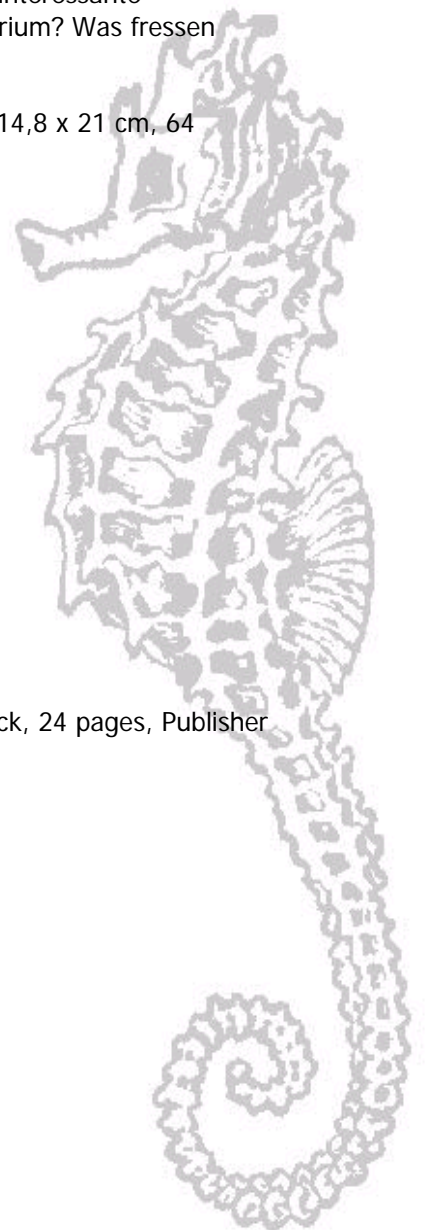
Schneidewind, Frank; **Wer weiß was über Seepferdchen?** Seepferdchen sind schon eigentümliche, ganz anders als die übrigen Fische

anmutende Wasserbewohner. Sie bewohnen ruhige Bereiche der Meere in verschiedenen Teilen der Welt. Ihre possierlichen Bewegungen, das aufrechte Schwimmen und die weithervorstehenden Augen haben sie zu den Lieblingen vieler Menschen gemacht. Doch wer weiß schon Näheres über die interessante Brutbiologie? Wie pflegt man diese Tiere eigentlich im Meeresaquarium? Was fressen Seepferdchen?

Auf diese und viele andere Fragen gibt das Buch von Frank Schneidewind treffliche Antworten. By Frank Schneidewind, 14,8 x 21 cm, 64 Seiten, 75 Farbfotos
Paperback, Lieferbar! (Written in German)



Straughan, Robert P. L.; **Keeping The Dwarf Sea Horse**, 1956, Paperback, 24 pages, Publisher All-Pets Books, Inc., Fond du Lac, Wisconsin



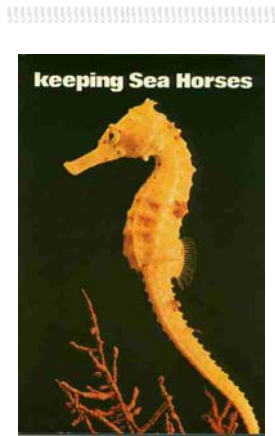
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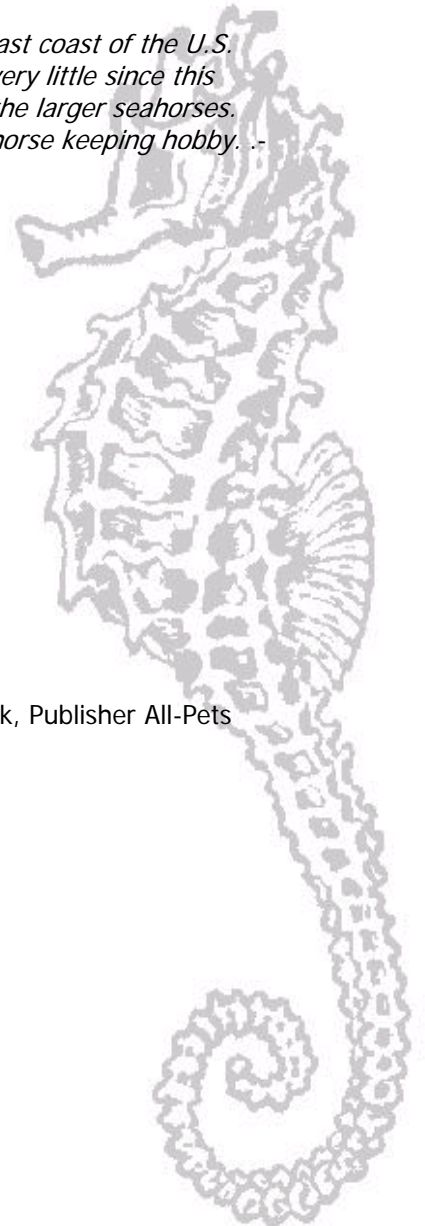
Straughan, Robert P. L.; **Keeping Sea Horses**, 1961, 32 pages, Paperback, Publisher All-Pets Books, Inc

--- This 32 page paperback is pretty much archaic. Simply put, it is a look into the dark ages of seahorse keeping. The author lists two methods of aerating the tank water. One with a small air pump and the other is to scoop up a glass of tank water and pour it into the tank from two or three feet high. This procedure needs to be done a couple of times a day.

He covers the two species of seahorses that are found on the east coast of the U.S. Oddly enough the husbandry of the dwarf seahorse has changed very little since this book was published in 1961. Some basic information is given for the larger seahorses. Worth a look if you want to see the humble beginnings of the seahorse keeping hobby. ...
Bruce Watts



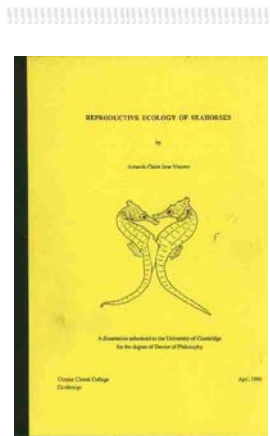
Straughan, Robert P. L.; **Keeping Sea Horses**, 1961, 32 pages, Paperback, Publisher All-Pets Books, Inc., Distributed by Tropical Fish Hobbyist Publications, Inc



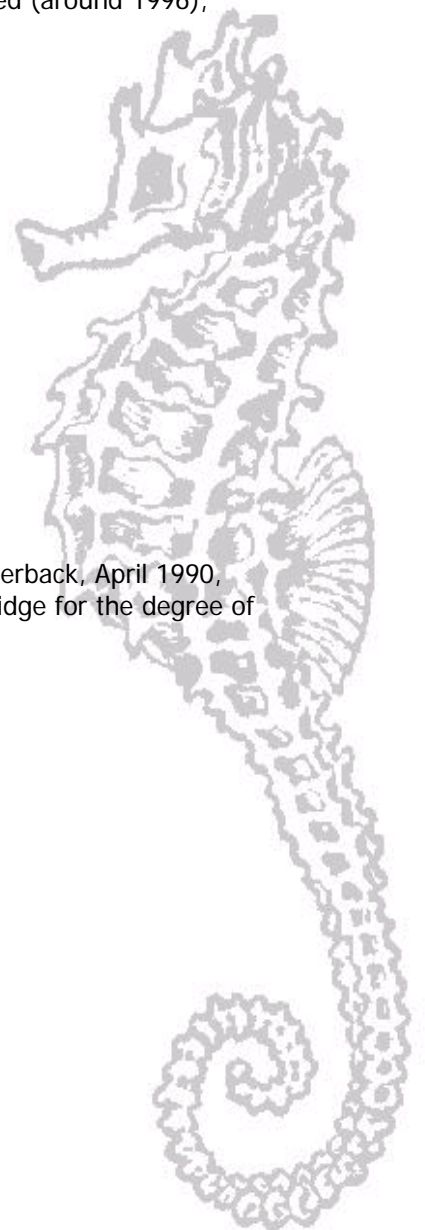
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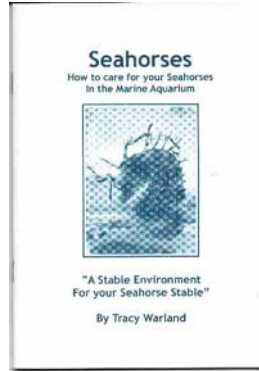
Vincent, Amanda C. J.; **The International Trade in Seahorses**, not dated (around 1996), spiral bound, 163 pages



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By Jim Forshey and Bruce Watts

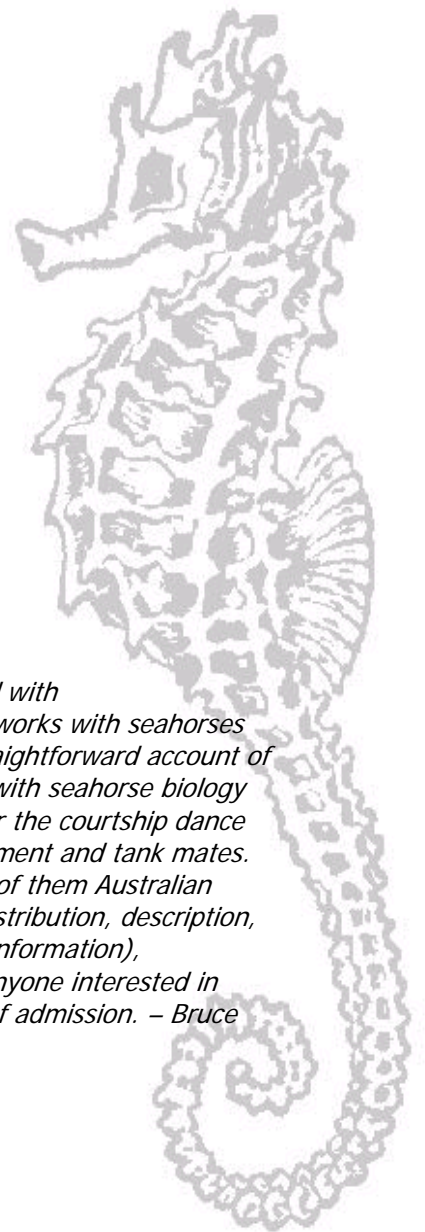


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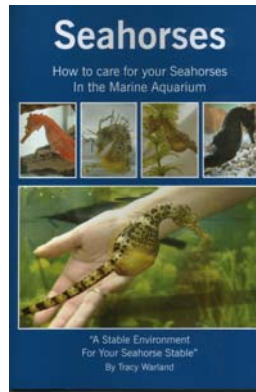
Contents;

- What are Seahorses
- A Basic Biology
- The Tank
- Location, Lighting, Covers, Aeration & Decorations
- Filtration
 - Mechanical, Chemical & Biological
- Filter Mediums & Cleaning of Filters
- The Nitrogen Cycle
- Water Sources
- Water Quality Monitoring
- Temperature, Salinity, pH, Ammonia
 - Nitrite, Nitrate, Carbonate Hardness, Phosphate
- Adding your Seahorses
- Stocking Densities
- Seahorse Food
- The Courtship Dance, Pregnancy & Birth
- Raising Baby Seahorses
- Problems and Treatment for Seahorses
- Relatives/Tank mates/Suggested Other Reading
- Species Overview
- Glossary
- Water Monitoring Record Charts
- Conversion Charts

--- Another Australian publication this book's 46 pages are packed with useful information. The author, a commercial seahorse breeder, works with seahorses full time. This has given her the insight to write a concise and straightforward account of keeping and breeding seahorses. The first half of the book deals with seahorse biology and the details of tank set up and cycling. The next sections cover the courtship dance breeding and raising fry, with a short section on disease and treatment and tank mates. The species overview section is my favorite. Eight species, seven of them Australian natives, are listed with the scientific name and common names, distribution, description, colouration, optimum keeping parameters, other notes (breeding information), availability, and stocking densities. This book is a must read for anyone interested in seahorses. The spectacular cover photo alone is worth the price of admission. – Bruce Watts



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



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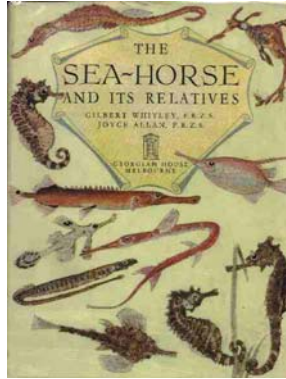
Contents;

- What are Seahorses
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- The Courtship Dance, Pregnancy & Birth
- Raising Baby Seahorses
- Problems and Treatment for Seahorses
- How do I know my seahorse is sick?
- A Guide to Medications and their Use
- How to Train Seahorses to Eat Frozen Foods
- Tank Mates
- Species Overview
- References and Further Reading
- Relatives
- Live Food Section**
 - What is Plankton
 - Zooplankton-Phytoplankton
 - Artemia
 - Decapsulation, Storage, Hatching, Enrichment and On-growing
 - Copepods
 - Rotifers
 - Microalgae



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts

- Amphipods
- Glossary
- Conversion Charts
- Water Monitoring Record Charts
- About the Author

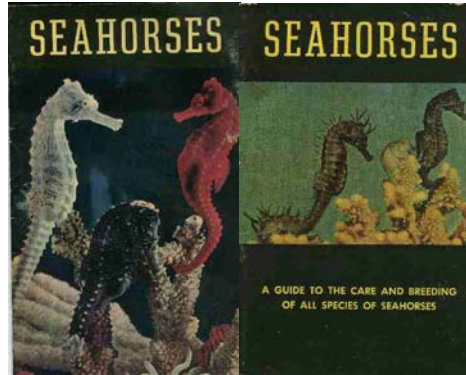


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--- Both Jim and I really like this book. Although it was published in 1958 it is still filled with interesting tidbits of information. From the earliest printed image of a seahorse "Equus marinus" 1491, to the origin of the species name kuda, from the Malay for horse, I found this book fascinating. With so many species in their native waters it is no wonder that the Australians have been a step ahead in all things Syngnathid. There are chapters on native seahorses, sea-dragons, and pipefish. Also sections on Ghost pipefish, Trumpet Fishes, Flutemouths, Bellows fishes and Razor fishes. This book is almost a half century old but still is useful and interesting read. – Bruce Watts



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
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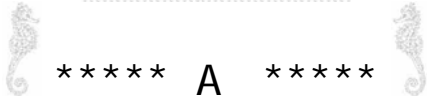


Tiger Tail Seahorse (*Hippocampus comes*)
Photo by Bruce Watts





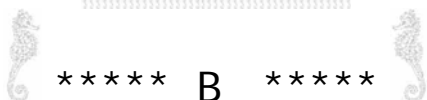
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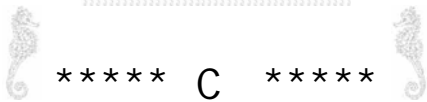
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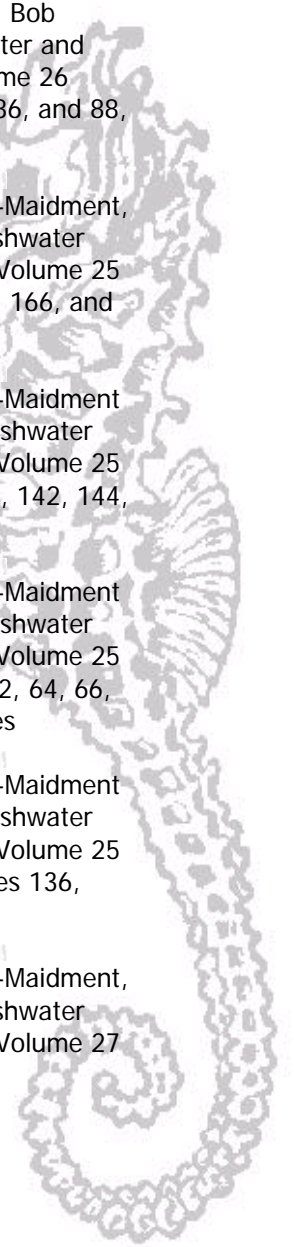
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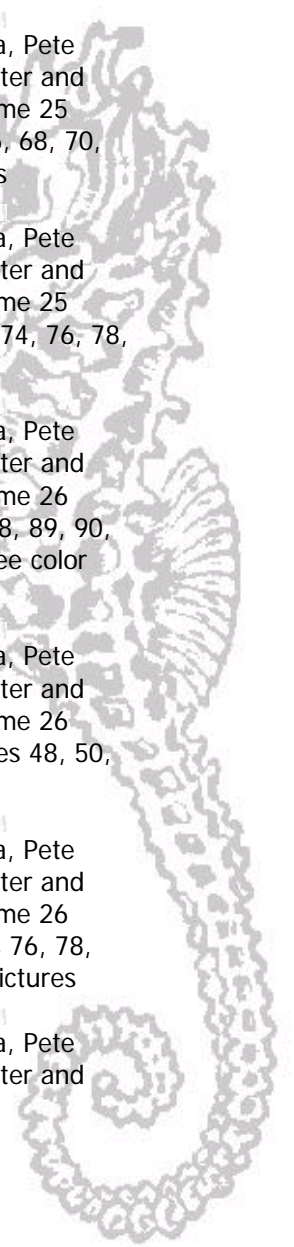
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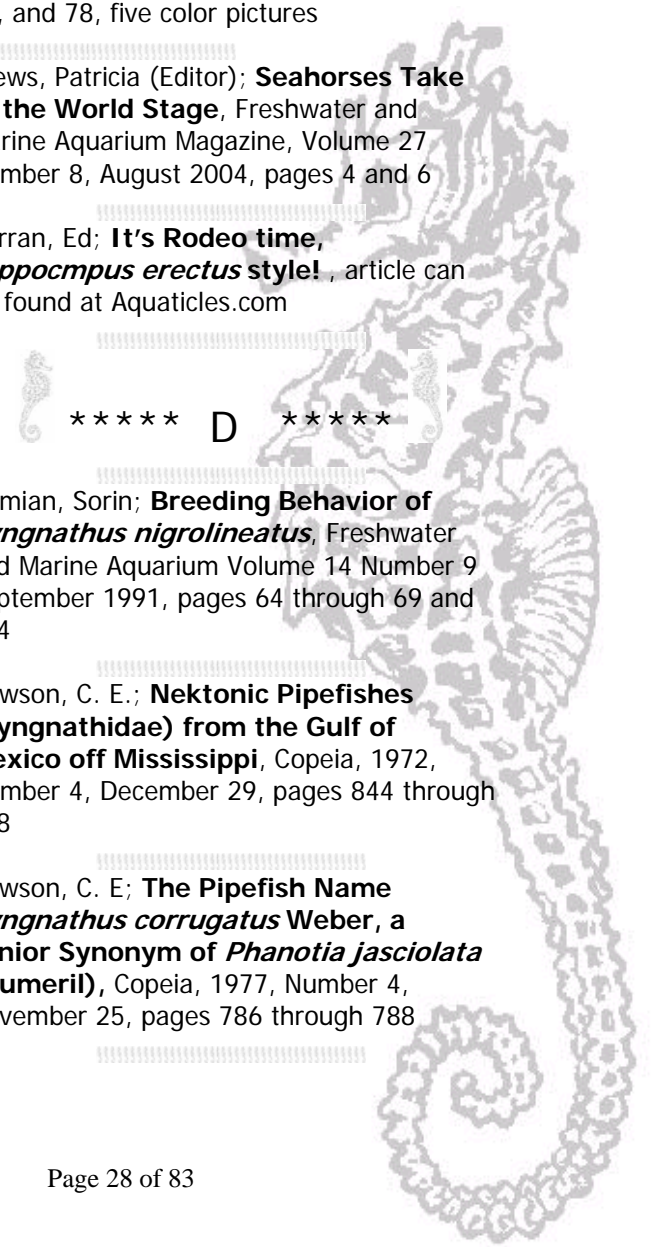
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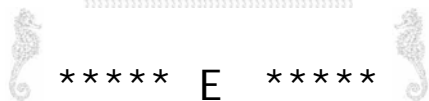
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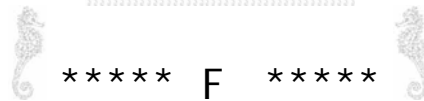


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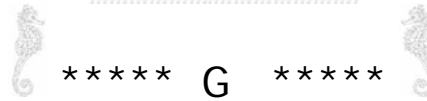
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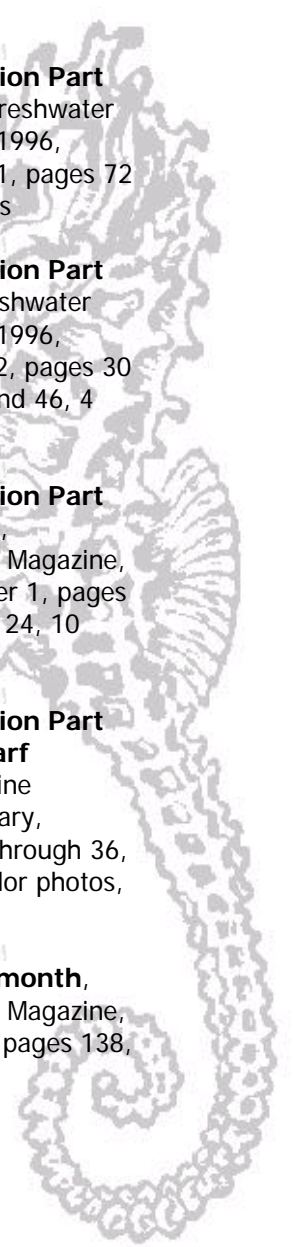
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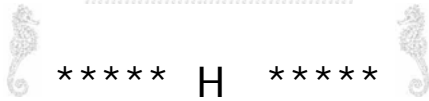
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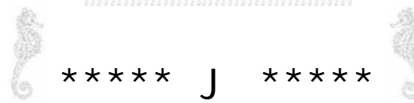
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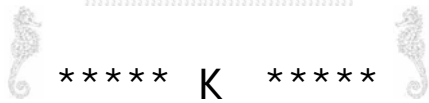
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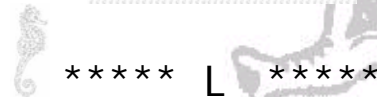
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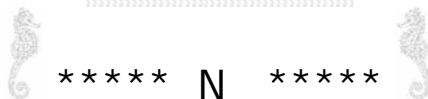
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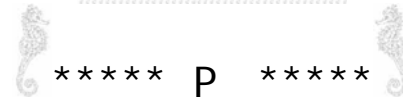
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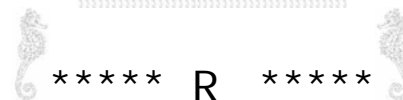


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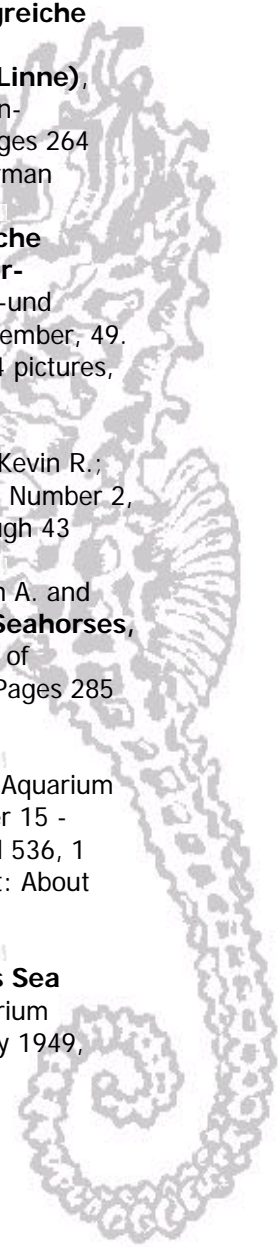
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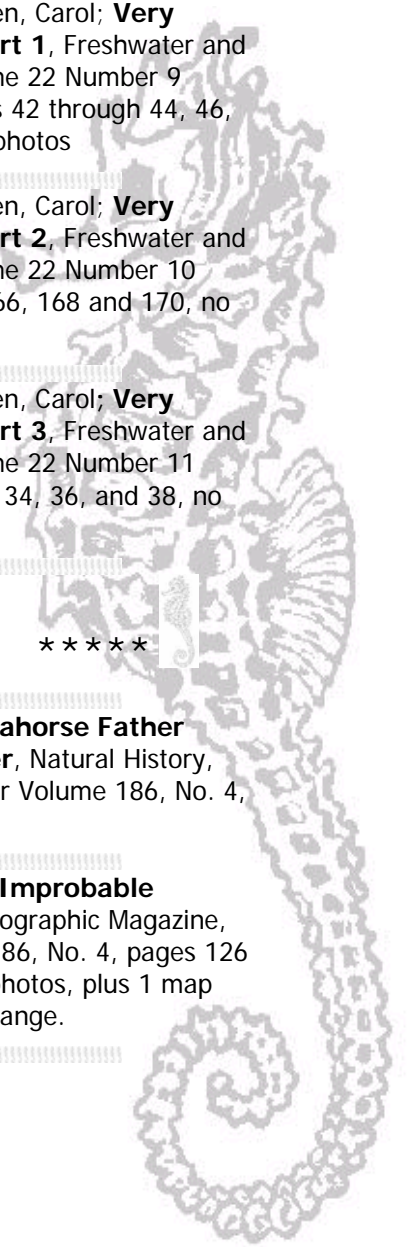
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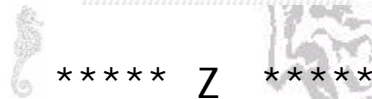
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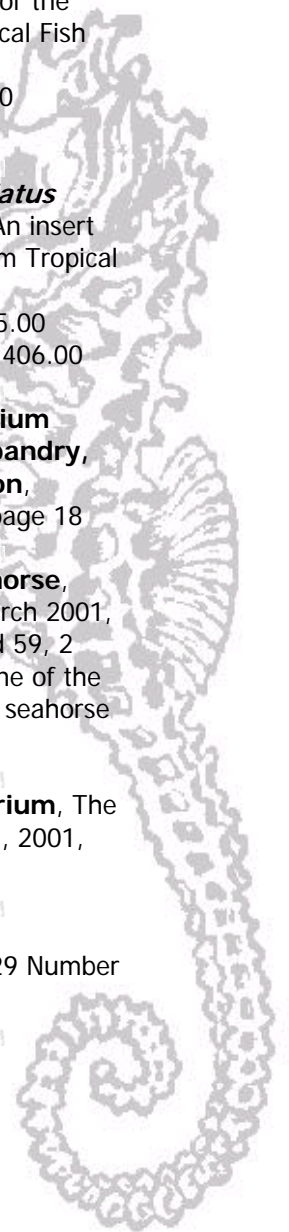
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Videos



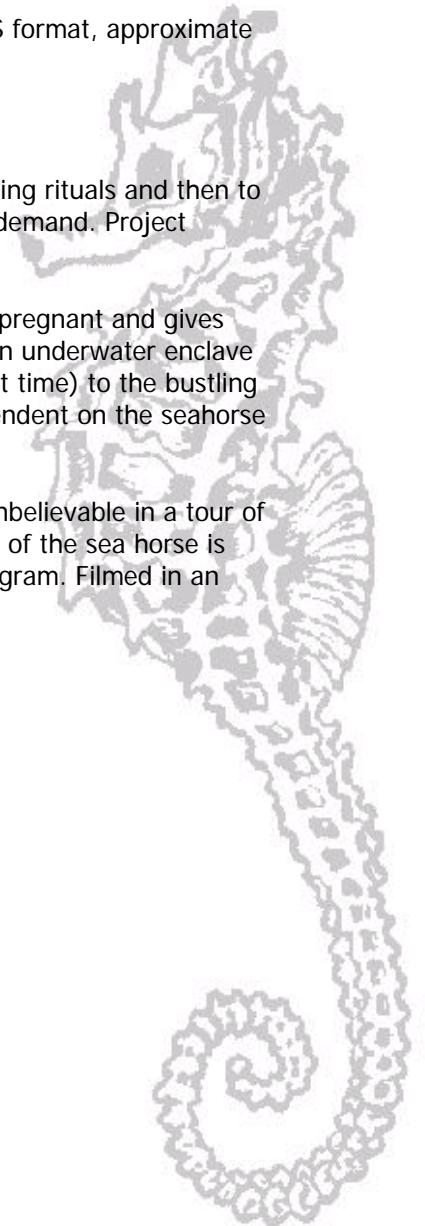
Nova: Kingdom of the Seahorse Video; Produced by NOVA, 1996, VHS format, approximate run time: 60 minutes

Comments about this video;

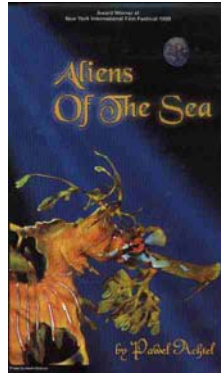
She takes you under the coastal waters of Australia to witness mating rituals and then to the apothecary shops of Hong Kong where dried seahorses are in demand. Project Seahorse environmental efforts are featured.

They're the stuff of myth: a remarkable fish whose male becomes pregnant and gives birth. Tour the magical and complex world of the seahorse, from an underwater enclave in Australia (where their mating dance is caught on film for the first time) to the bustling apothecary shops of Hong Kong to a village in the Philippines dependent on the seahorse for survival.

A male fish who becomes pregnant and gives birth? Witness the unbelievable in a tour of the magical and complex world of the seahorse. The mating dance of the sea horse is caught on film for the very first time in this Nova Video Library program. Filmed in an underwater enclave in Australia.



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



Aliens of the Sea; by Pawel Aichtel, Produced by Pawel Aichtel, VHS format, approximate run time: 50 minutes

Comments about this video;

Contains about 5 minutes of Seahorse and Seadragon footage.

Tale of a Pregnant Male; Produced by National Geographic, approximate run time: 15 minutes, Narrated by David Attenborough

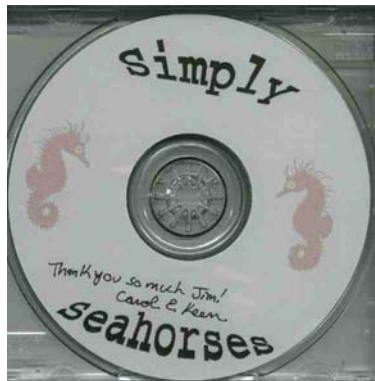
Comments about this show;

I am not sure if this was ever produced on video.



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts

- General
- Terminology
- Seahorses
 - General
 - Distribution
 - Husbandry
- Syngnathidae-1
 - Hippocampinae
- Pipehorses and Seadragons
 - General
- Syngnathidae-2
 - Solegnathidae
- Syngnathidae-3
 - Doryrhamphinae - Flag Tail Pipefishes
- Syngnathidae-4
 - Syngnathinae - Pipefishes
- Related Families
 - General
- References and Literature Consulted
- Classification and List of Species
- Index

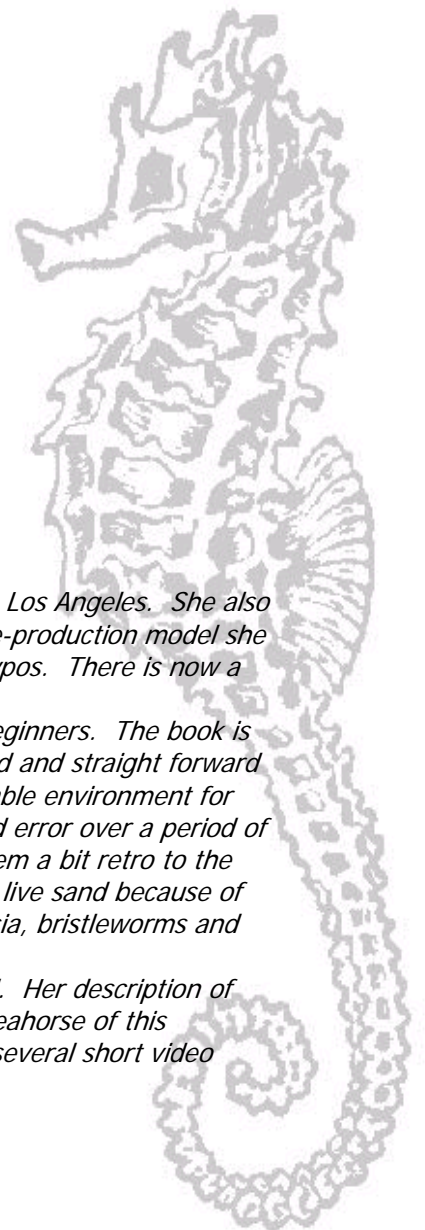


Keen, Carol E.; **Simply Seahorses**, Not dated (approximately 2003)

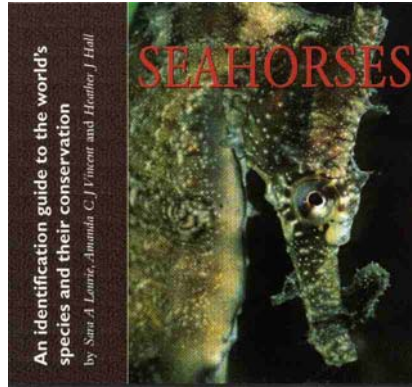
I was fortunate to hear a talk by Carol at the MASLAC meeting in Los Angeles. She also debuted her book on CD at the meeting. Since my copy was a pre-production model she had not finished with the editing, hence it contained quite a few typos. There is now a newer version available.

This CD book contains lots of solid information, especially for beginners. The book is well titled as the information is presented in a simple to understand and straight forward manner. The overwhelming theme is how to create a safe and stable environment for your seahorses. Carol's knowledge has been hard won by trial and error over a period of years as both a hobbyist and online dealer. Her methods may seem a bit retro to the modern marine aquarist i.e., she does not recommend live rock or live sand because of the harmful critters they contain. This eliminates things like aiptasia, bristleworms and mantis shrimp that might be harmful to adult horses or fry.

The information on disease and treatment was especially useful. Her description of "pouch burping" helped me though the procedure and cured my seahorse of this debilitating illness. The CD also contains useful photographs and several short video

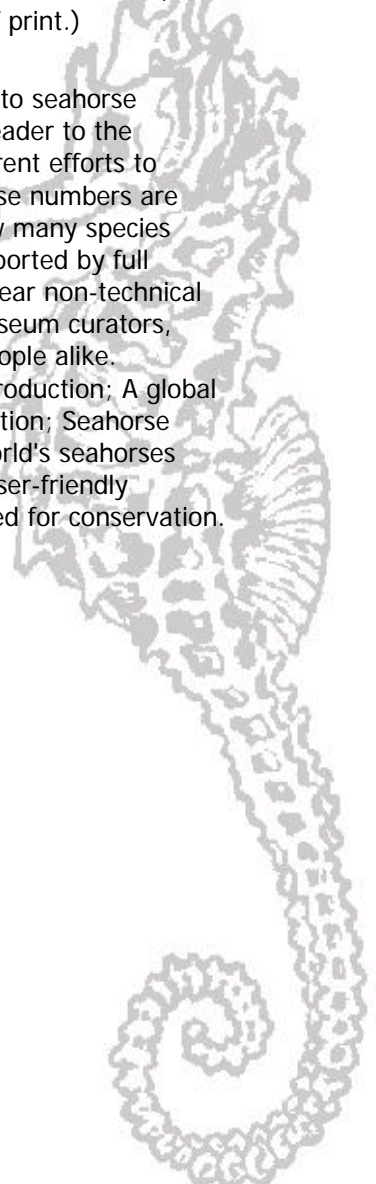


clips. The video clip of a dwarf father giving birth is my favorite. This CD book belongs on the shelf of any hobbyist interested in keeping seahorses. - Bruce Watts



Lourie, Sara, and Vincent, Amanda and Hall, Heather; **Sea Horses An identification guide to the world's species and their conservation**, 1999, spiral bound, paperback, 214 pages, 120 color photos 37 black and white illustrations, 37 maps (Original book was published in 1999, but I do not think this CD was created until about a year after the book was out of print.)

Based on original research, this book is the only comprehensive guide to seahorse species world-wide. Detailed background information introduces the reader to the fascinating lives of these unusual fishes, the threats they face and current efforts to conserve them for the future. Available evidence suggests that seahorse numbers are declining, yet until now there has been no clear indication of even how many species exist. The heart of the book presents descriptions of each species supported by full illustrations, photographs, distribution maps and a pictorial key. The clear non-technical language used makes it valuable for conservationists, researchers, museum curators, trade and customs officials, fishermen, aquarists and interested lay-people alike. Contents include: Behavior and ecology; distribution and habitats; reproduction; A global trade; Conservation issues; Project Seahorse; Taxonomy and classification; Seahorse species; and IUCN and CITES explained. The first guidebook to the world's seahorses does justice to their beauty and extraordinary biology, while being a user-friendly identification handbook and offering practical advice on the urgent need for conservation.





Children's Books by Author



***** A *****

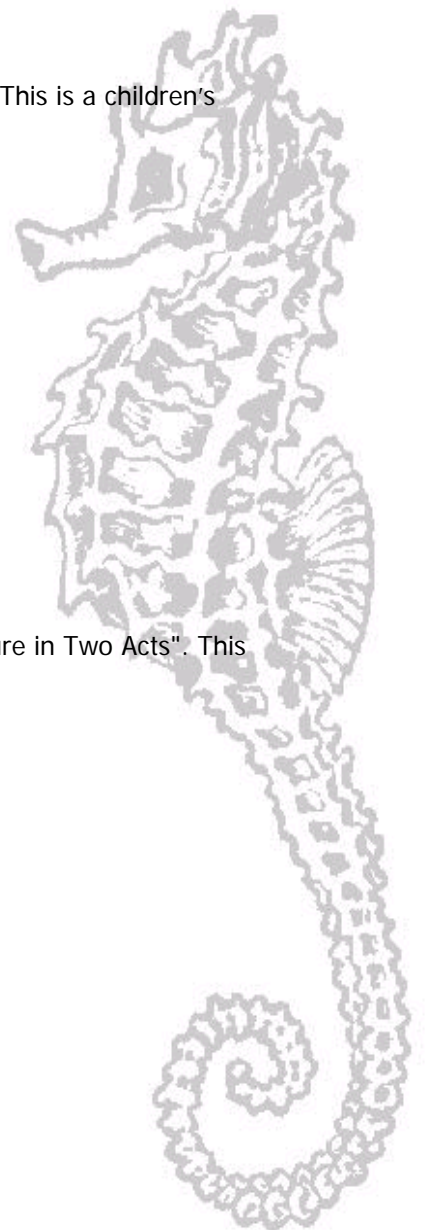


Anrooy, Frans van; **The Sea Horse**, 1967, hardback, pages unnumbered, This is a children's book.

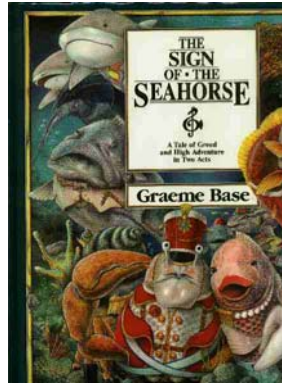
***** B *****



Base, Graeme; **The Sign of the Seahorse**, 1992, Hardback, 44 pages
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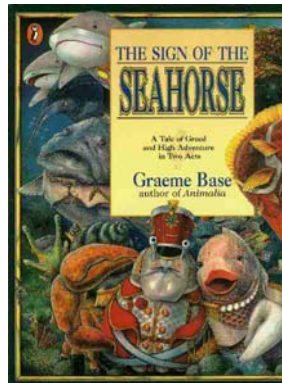


Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



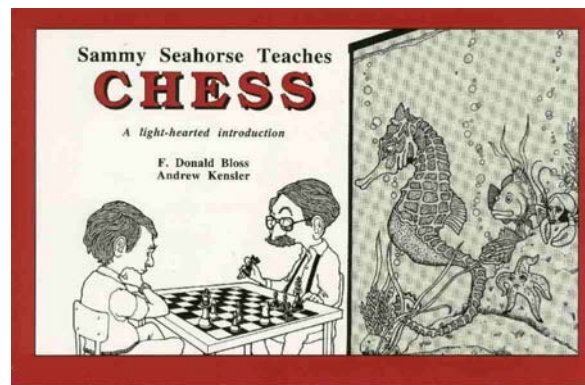
Hardback

(The cover was too large to fit on my scanner, only the Right 3/4 was scanned.)



Paperback

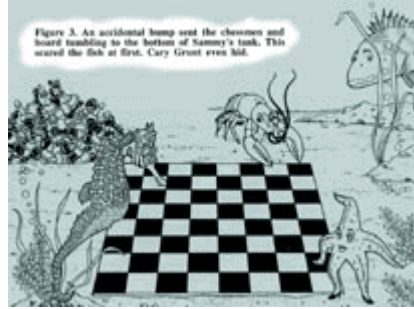
(The cover was too large to fit on my scanner, only the Right 3/4 was scanned.)



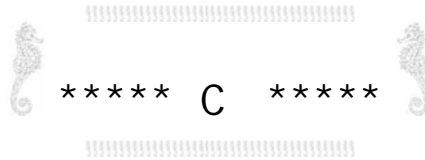
Bloss, F. Donald; **Sammy Seahorse Teaches Chess**, 1995, paperback, 192 pages



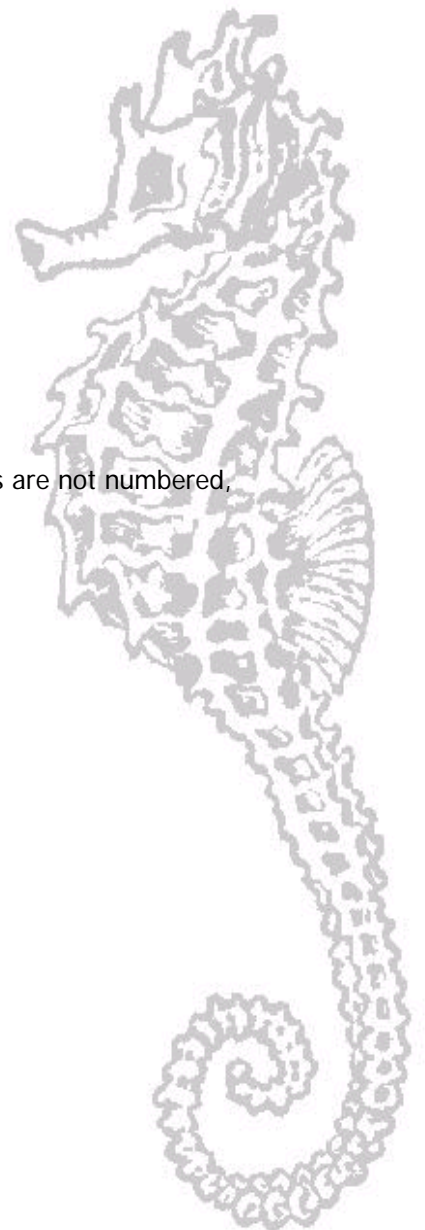
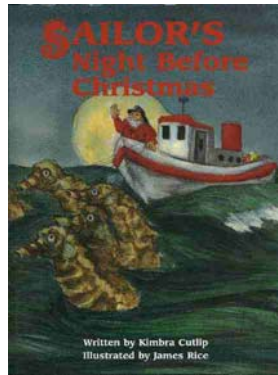
Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



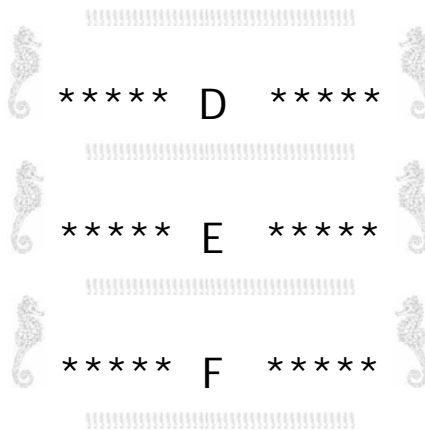
← Sample page

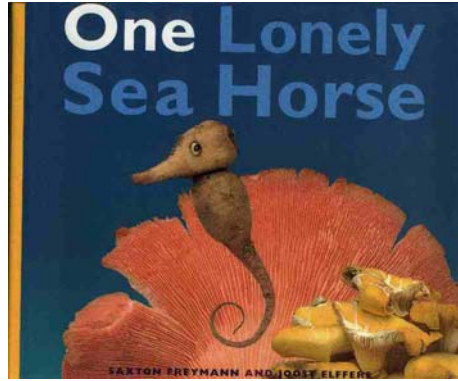


Carle, Eric; **Mister Seahorse**; 2004, hardback, pages are not numbered, Published by Philomel Books

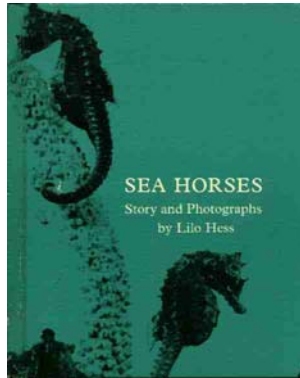


Cutlip, Kimbra; **Sailor's Night Before Christmas**, 1999, hardback, pages are not numbered, Published by Pelican Publishing Company, This is a children's book.





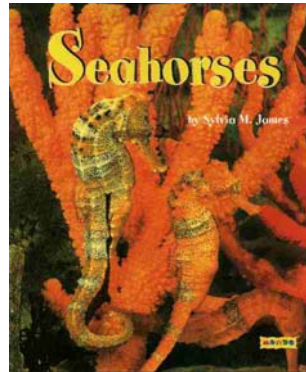
Freymann, Saxton and Elffers, Joose; **One Lonely Sea Horse**, 2000, hardback, 28 pages, Publisher Scholastic Press, This is a children's book.



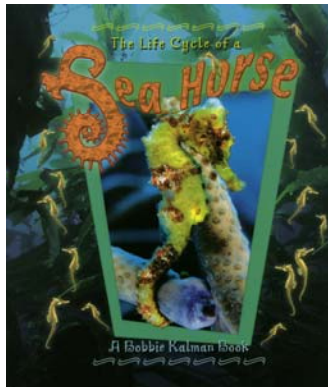
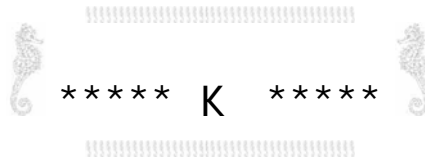
Hess, Lilo; **Sea Horses**, 1966, hardback, 47 pages, Publisher Charles Scribner's Sons, This is a children's book.



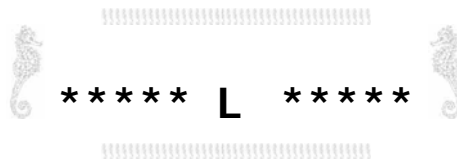
Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



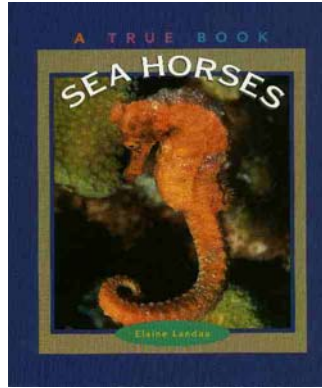
James, Sylvia M.; **Seahorses**, 2002, paperback, 24 pages, Publisher MONDO Publishing, New York, New York



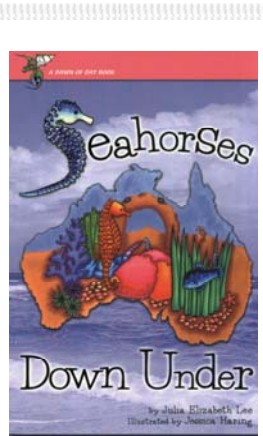
Kalman, Bobbie; **The Life Cycle of a Sea Horse**, 2004, paperback, 32 pages, Publisher Crabtree Publishing Company, New York, New York



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



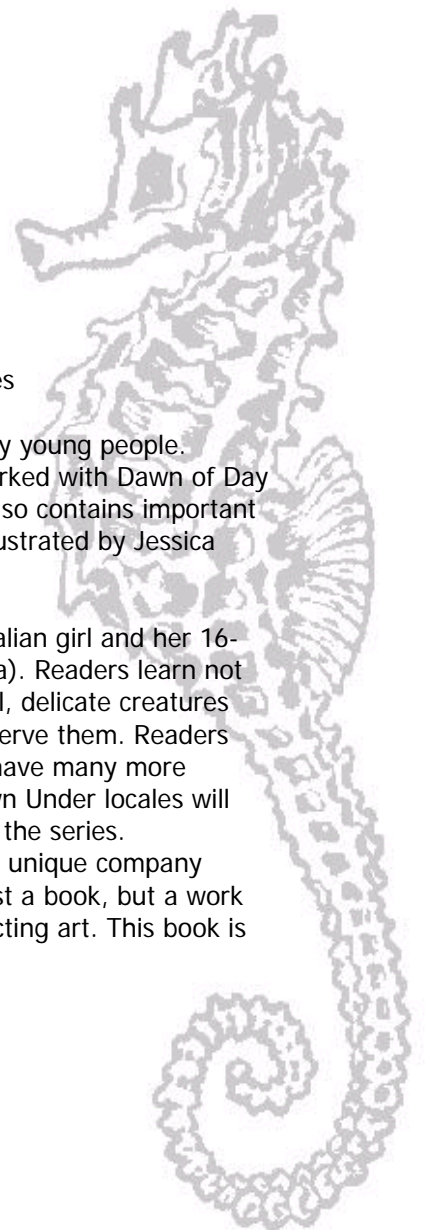
Landau, Elaine; **Sea Horse**, 1999, paperback, 48 pages, 7 1/4 x 8 3/8, full-color photographs
(For Grades 3-5)



Lee, Julia Elizabeth; **Seahorses Down Under**, 2002, paperback, 59 pages

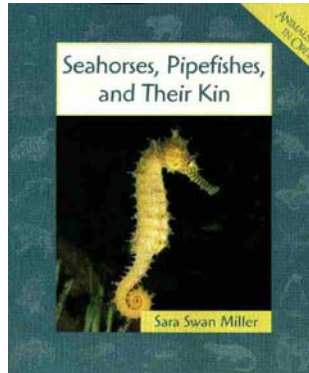
Seahorses Down Under is the first book of its kind-written and illustrated by young people. Author Julia Elizabeth Lee is a 15-year-old from Sydney, Australia. Julia worked with Dawn of Day editors for 12 months to create a delightful, adventure-packed story that also contains important factual information on seahorses and their protection. The book is richly illustrated by Jessica Haring, an 11-year-old from West Virginia.

Written for young readers ages 7-10, the story follows a 10-year-old Australian girl and her 16-year-old English cousin on their adventure with seahorses in "Oz" (Australia). Readers learn not only about the life cycle of seahorses, but about the dangers these unusual, delicate creatures face-from both humans animal predators-and the efforts underway to preserve them. Readers also meet Maria and Michael, two charming young characters destined to have many more adventures in the natural world. The Aussie dialect and illustrations of Down Under locales will engage readers and have them looking forward to each new installment in the series. Seahorses Down Under is the first book to be published by Dawn of Day, a unique company publishing the works of young authors and artists only. This book is not just a book, but a work of art. A perfect gift for a child or adult who loves to read and enjoys collecting art. This book is guaranteed to be enjoyed for a lifetime.

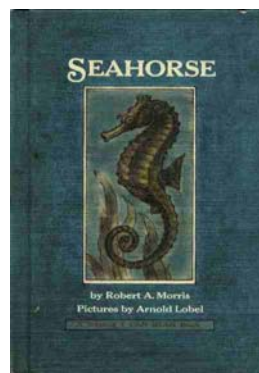


Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts

***** M *****



Miller, Sara Swan; **Seahorses, Pipefishes, and Their Kin**, 2002, paperback, 48 pages,
Published by Franklin Watts



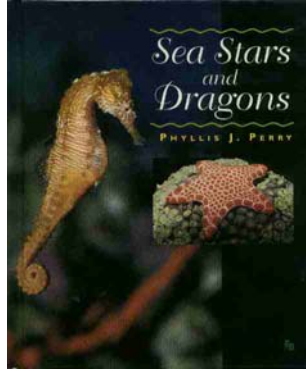
Morris, Robert A.; **Seahorse**, 1972, hardback, 60 pages, A children's book.

***** N *****

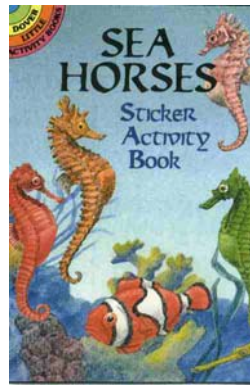
***** P *****



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



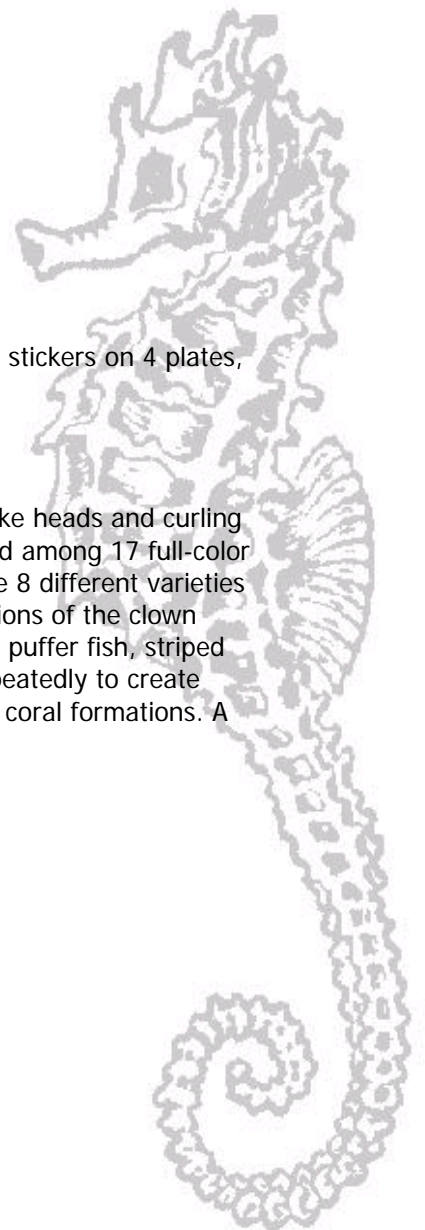
Perry, Phyllis J.; **Sea Stars and Dragons**, 1996, hardback, 64 pages, Publisher Franklin Watts, A children's book.



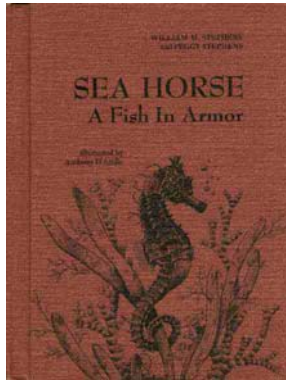
Petruccio, Steven James; **Seahorses Sticker Activity Book**, 17 full-color stickers on 4 plates, full-color scene on inside cover, 4 1/16 x 5 3/4, paperback



Seahorses – small marine animals with horselike heads and curling tails – are the featured creatures in this little activity book. Included among 17 full-color sticker images of seahorses and other tropical marine life forms are 8 different varieties of pipefish (seahorses), as well as realistic, peel-and-apply illustrations of the clown anemone, decorator crab, blackcap basslet, cuttlefish, trumpetfish, puffer fish, striped catfish, wrasse, and flame angelfish. All stickers can be applied repeatedly to create different scenes on a blackdrop revealing deep-sea vegetation and coral formations. A children's book.

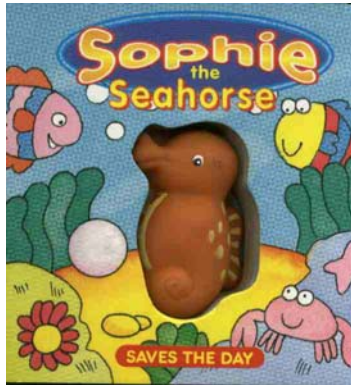


Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts

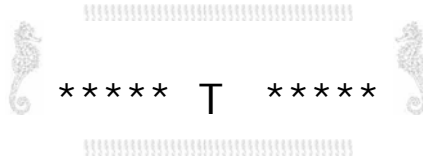


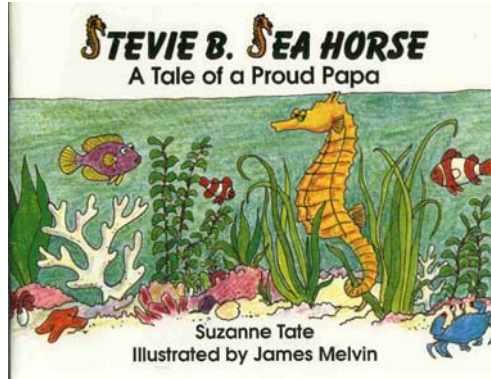
Stephens, William and Etephens, Peggy; **Sea Horse A Fish in Armor**; 1969, 48 pages, Publisher Holiday House, New York

Comments; A children's story about a seahorse and its life. A children's book.



Swift, Christine; **Sophie The Seahorse**, 1997, hardback, 18 pages, Publisher Grandreams, Ltd, A children's book.



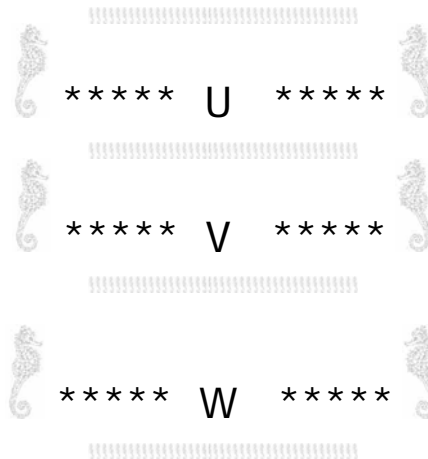


Tate, Suzanne; **Stevie B. Seahorse** A Tale of a Proud Papa by 1993, paperback, 28 pages

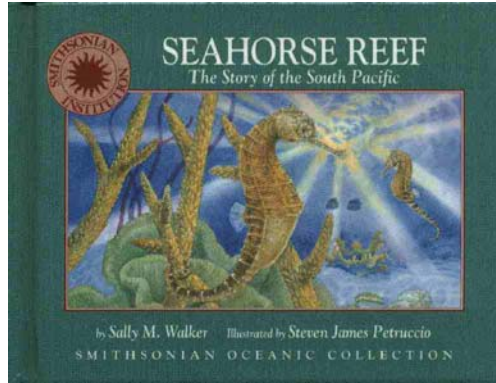
Sample page →



Sea horses are fascinating fish. For protection, they have a bony armor instead of scales. Because of their bony bodies, they have very few enemies. Their main enemies are crabs. Sea horses feed on small animals, sucking them into their long snouts with a snapping noise. Because sea horses require a lot of food, it is difficult to keep them in an aquarium. One of the most interesting things about sea horses is their ability to change color in order to hide from enemies. I watched with fascination a sea horse in the Seattle Aquarium as it changed color from gold to green, instantly, when it wrapped its tail around some green seaweed. In a few moments, it swam to the bottom and turned brown and white speckled, the color of the gravel! The strangest thing about sea horses is that the male carries the eggs in a pouch like a kangaroo! Mother Nature worked this out so that the female could continuously produce eggs. Sea horses come together at the time of a full moon to mate. The male fills his pouch with water to attract the attention of females that compete for the chance to deposit their eggs. The male fertilizes the eggs and nourishes them with a special fluid. In 24 weeks, the baby sea horses pop from their papa, each one a perfect miniature sea horse. --Suzanne Tate

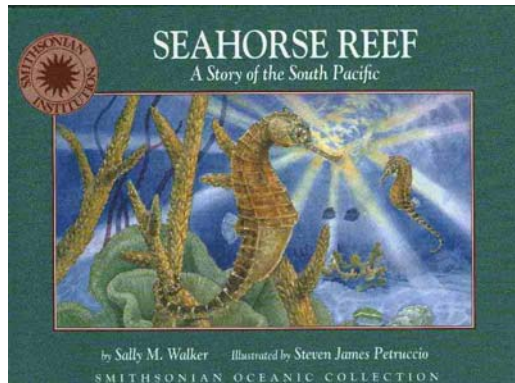


Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



Walker, Sally M.; **Seahorse Reef** **The Story of the South Pacific**, 2000, hardback, 32 pages (This book is small in size)

This book also came with a Stuffed Animal. This is a children's book.



Walker, Sally M.; **Seahorse Reef** **The Story of the South Pacific**; 2000, hardback, 32 pages (This book is large in size).

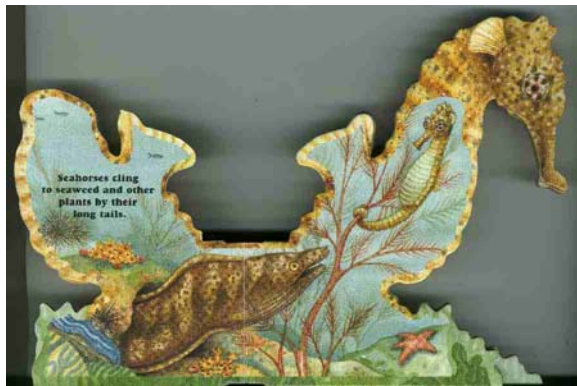
This is a children's book.



Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



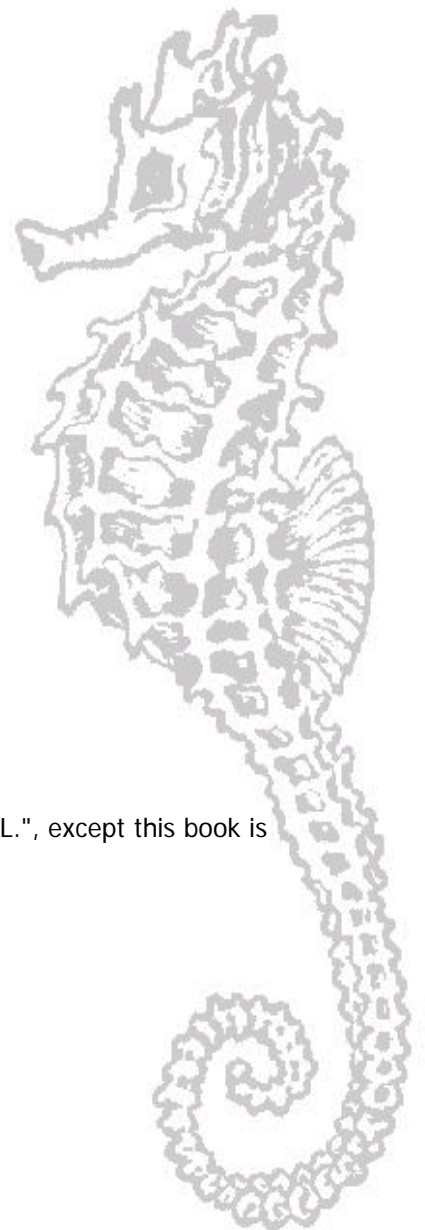
Unknown; **Seahorse (Portable Pets)**, 12 pages, pages are cardboard, 2000, A children's book.
The authors might be Harry N. Abrams and Lorella Rizzatti



Sample pages of the book (opened) ---->



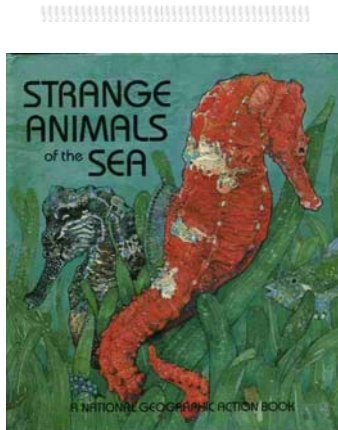
Unknown; **Sea-Horse Child's Play Pocket PAL**, hardback, 10 pages
Comments; this book looks like the "Any Time, Any Place, I will be your PAL.", except this book is much smaller. This is a children's book.



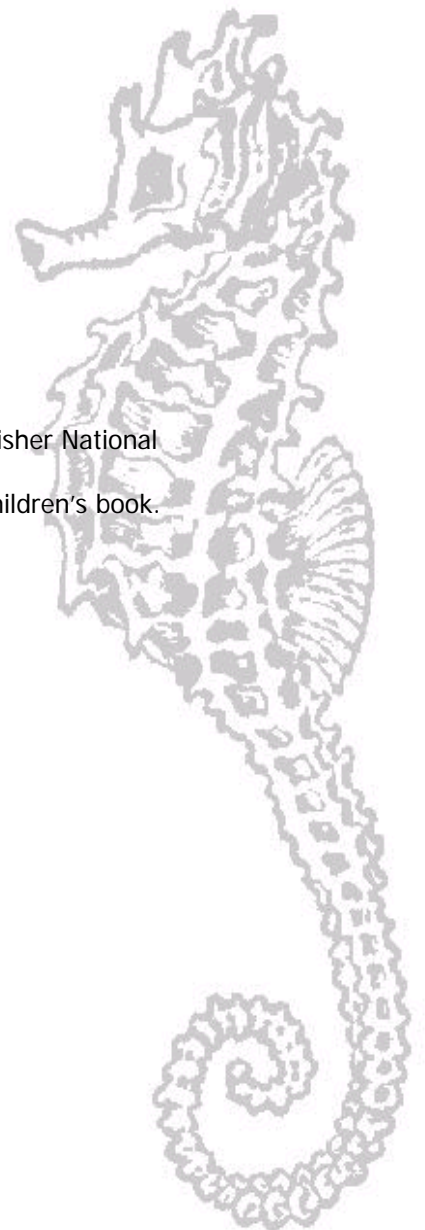
Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts



Unknown; **Any Time, Any Place, I will be your PAL**, Great PAL Sea-Horse, 1997, hardback, 10 pages, Publisher Child's Play (International) Limited
Comments; this book looks like the "Sea-Horse; Child's Play Pocket PAL", except this book is much larger. This is a children's book.



Unknown; **Strange Animals of the Sea**, 1987, hardback, 12 pages, Publisher National Geographic Society
Comments; this is a pop up book, only one page on Seahorses. This is a children's book.

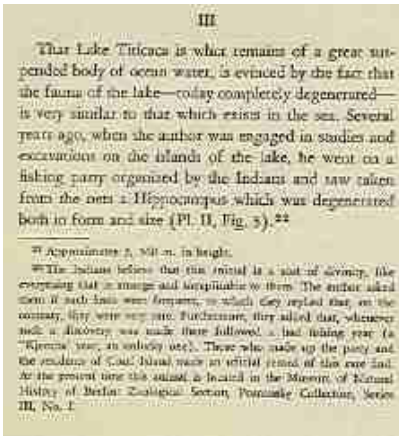




Information about Freshwater Seahorses Contained in books



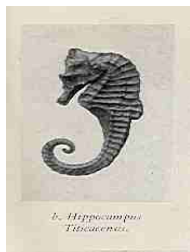
Posnansky, Arthur; **Tihuanacu: the Cradle of American**; 1943, hardback, 246 pages, Volume 1, Publisher J. J. Augustin Publisher, New York.



III
That Lake Titicaca is what remains of a great suspended body of ocean water, is evinced by the fact that the fauna of the lake—today completely degenerated—is very similar to that which exists in the sea. Several years ago, when the author was engaged in studies and excavations on the islands of the lake, he went on a fishing party organized by the Indians and saw taken from the nets a *Hippocampus* which was degenerated both in form and size (Pl. II, Fig. 3).²²

²¹ Approximately 3,560 m. in height.
²² The Indians believe that this animal is a sort of divinity, like everything that is strange and inexplicable to them. The author asked them if such finds were frequent, to which they replied that, on the contrary, they were very rare. Furthermore, they added that, whenever such a discovery was made there followed a bad fishing year (a "Kjencha" year, an unlucky one). Those who made up the party and the residents of Coati Island made an official record of this rare find. At the present time this animal is located in the Museum of Natural History of Berlin: Zoological Section, Posnansky Collection, Series III, No. 1."

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Hippocampus titicacensis
Figure 3 of Plate II.



Kuitert, Rudie H.; **Seahorses, Pipefishes and Their Relatives - A Comprehensive Guide to Syngnathiformes**; 240 pages, hardback, 2000

On page 36 Rudie Kuitert makes the following comment about *Hippocampus arnei*; "Probably originated from the sea. Of the two lectotypes, only one is the species, the other is actually *Hippocampus barbouri*. First published as *Hippocampus aimei*, but corrected soon after to *Hippocampus arnei*, as he named it after the Arne brothers who donated the specimens. Occurs in China Seas and Philippines."





Unknown; Freshwater Fishes of Japan

This book talks about the following Seahorse and Pipefish being found in Freshwater;

- Hippocampus kuda*
- Microphis leiaspis*
- Hippichthys spicifer*

Hippichthys cyanosplius

Hippichthys heptagonus

Microphis brachyurus brachyurus

Hippichthys penicillus

Translated by Takuji Oyama, Vancouver, Canada

OOUMIUMA (Japanese common name*)

Hippocampus kuda

Syngnathiformes/Hippocampinae/Hippocampus

Body length: 18cm (rarely reach 30cm)

Body color and characters:

Body color of this species are widely varied from bright yellow to dark brown, some has dark stripes on their tail. Most of the animals from estuary tend to have dark brown color.

Seahorse in general, it is very difficult to identify species and still have some confusions on their taxonomy. The seahorse called "OOUMIUMA" in Japan may contain several different species.

Distribution: Southern HONSHYU (main island of Japan) to Indo-Pacific.

Explanation of species:

Hippocampus kuda is the only seahorse has been reported from estuary area, such as mangroves and river mouth.

This species seems actually living in estuary zone since it remains in estuary all the time.

Seahorse is able to hold object using it's tail. Keep it body vertical when it's swimming and uses pectoral fins and dorsal fin. Seahorse is generally slow moving fish, however, when it's feeding prays such as zoo plankton, it suck food into the snout in the lightning fast.

The brood pouch of males well developed and protect eggs in the pouch until hatched out.

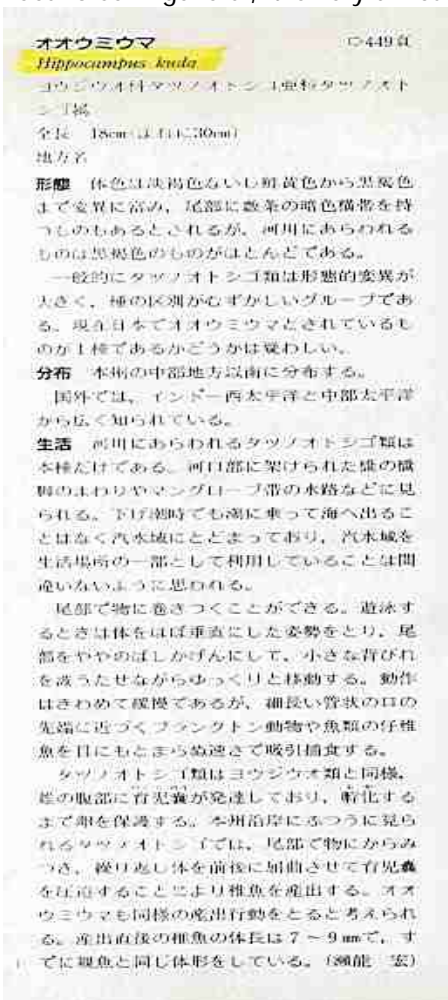
H. coronatus which populates same area as *H. kuda* has been observed its behavior that bend its body back and forth to give presser to the brood pouch when it releases larvae. *H. kuda* is considered to have same kind of releasing behavior.

Body length of larva described as 7-9mm and has same shape as adult animals.

(Hiroshi Senou) <-writer

*Japanese common name is registered name just like scientific Latin name. It's required almost same procedure as describing new species to have new Japanese common name.

All publications must use this common name as Japanese name.





Information about Freshwater Seahorses

Articles and Scientific Papers by Author



Bleher, H.; *Hippocampus titicacaensis*, Aqua Journal of Ichthyology and Aquatic Biology; Volume Five, Issue Four July 2002,

Back Cover: the label below the seahorse (left) in the Museo de Archeologia in Tiwanaku, Bolivia, reads *Hippocampus titicacaensis*. There is an account of the discovery of this seahorse by the archeologist Arthur Posnansky in Lake Titicaca in 1943; also, a clay seahorse (right) dating back more than 2000 years has been unearthed in the area. This is also on display in the museum, and a team is working to verify this surprising discovery of what may be the only freshwater seahorse in existence - soon to be published, in a future issue of aqua, Journal of Ichthyology and Aquatic Biology. Photos by H. Bleher.

Myers, George S.; **A Freshwater Sea Horse**, Pacific Discovery Magazine, Volume XXXII Number 1 January-February 1979, pages 30 and 31, 1 drawing, 1 Black and White photo

Myers, Dr. George S.; **A Freshwater Sea Horse**, Tropical Fish Hobbyist, Volume XXVII Number 10 (#280) June 1979, pages 29 through 32 and 34, 1 drawing, 1 Black and White photo

Roule, Louis M., **Description DE L'*Hippocampus aimei* sp. nov., Espece Nouvelle D'eau Douce, Provent Du Mekong, Description of *Hippocampus aimei*, sp. nov., a new freshwater species from the Mekong river.** Bulletin du Museum National D'histoire Naturelle, Annee 1916 no 1, Paris, on pages 11 through 13

This is the original description of *Hippocampus aimei*, latter renamed to *Hippocampus arnei*, written in French

For English translation see *Hippocampus arnei* description translation.

Roule, Louis M.; **A propos L'*Hippocampus arnei* (nec Aimeii) L. R.**, Bulletin du Museum National D'histoire Naturelle, Annee 1916 no 7, Paris, on page 383

This is the document changing the name from *Hippocampus aimei* to *Hippocampus Arnei*, written in French





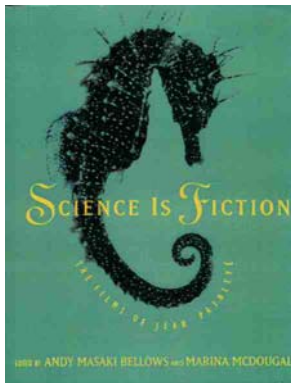
Books that contain information on Seahorses, Seadragons and Pipefishes by Author



The criteria for including a book in this section is that it must contain some information (it can be only a little information) about a Seahorses or Seadragons or Pipefishes, but it can not just contain a picture(s).



Axelrod, Dr. Herbert R. and Schultz, Dr. Leonard P.; **Handbook of Tropical Aquarium Fish**, 1990, hardback, 718 pages, publisher Tropical Fish Hobbyist
Hippocampus hudsonius page 521



Edited By Bellows, Andy Masaki and McDougall, Marins; **Science Is Fiction The Films of Jean Painlevé**, 2000, 204 pages, paperback, 356 illustrations, 90 color pictures, 168 black and white film stills, Publisher MIT Press (the copy I have is a "Advance Uncorrected page Proof" copy.)

One of the first to plunge underwater with a camera to bring the subaquatic world to the screen, maverick scientific documentary filmmaker Jean Painlevé capture the throes of a male seahorse giving birth. Painlevé made over 200 films, including *The Seahorse*.

Contains a little information about his interest in filming Seahorses. I would not buy it if you are just interested in seahorses. -- Jim



Bianchini, Francesco and Bruno, Silvio and Krapp, Franz and Mazza, Giuseppe, (originally written in Italian, then translated to English); **Simon & Schuster's Guide to Freshwater and Marine Aquarium Fishes**, 1991, paperback

Common Sea Horse *Hippocampus guttulatus*, Fish Number 188 (information and Picture)

Sea Horse *Hippocampus hudsonius*, Fish Number 189 (information and Picture)

Golden Sea Horse *Hippocampus kuda*, Fish Number 190 (information and Picture)

Family; Syngnathidae (Seahorses, Seadragons and Pipefishes) Bibliography
By Jim Forshey and Bruce Watts

Burges, Dr. Warren E. and Axelrod, Dr. Herbert R. and Hunziker III, Raymond E.; **Dr. Burgess's Atlas of Marine Aquarium Fishes**, hardback, not dated – third edition, 784 pages, publisher Tropical Fish Hobbyist

Phycodurus eques page 124
Phyllopteryx taeniolatus page 124
Bryx dunckeri page 125
Syngnathus louisianae page 125
Microphis brachyurus page 125
Stigmatopora argus page 125
Cosmocampus arctus page 125
Micrognathus ensenadae page 125
Stigmatopora nigra page 125
Syngnathoides biaculeatus page 125
Bulbonaricus brauni page 126
Lissocampus caudalis page 126
Entelurus aequoreus page 126
Heraldia nocturna page 126
Doryrhamphus dactyliophorus page 127
Doryrhamphus japonicus page 127
Corythoichthys intestinalis page 127
Halicampus macrorhynchus page 127
Doryrhamphus janssi page 127
Doryrhamphus excisus excisus page 127
Corythoichthys paxtoni page 127
Corythoichthys amplexus page 127 and 128
Corythoichthys schultzi page 128
Halicampus spinirostris page 128
Hippocampus kuda page 128, 130 and 133
Corythoichthys heamatopterus page 128
Doryrhamphus multinnulatus page 128
Hippocampus angustus page 128
Hippocampus abdominalis page 129
Hippocampus breviceps page 129
Hippocampus bargibanti page 129
Hippocampus ramulosus page 130
Hippocampus japonicus page 130
Hippocampus ingens page 130
Hippocampus hippocampus page 130
Hippocampus coronatus page 131
Hippocampus reidi page 131
Hippocampus erectus page 131 and 132

Cato, James C. (Edited by) and Brown, Christopher (Edited by); **Marine Ornamental Species Collection, Culture & Conservation**, 2003, hardback, publisher Iowa State Press
Chapter 20 **Factors Affecting Successful Culture of the Seahorse, *Hippocampus abdominalis* Leeson, 1827** by Chris M. C. Woods, pages 277 through 288



Chapter 21 **Rearing the Coral Seahorse, *Hippocampus barbouri*, on Live and Inert Prey** by Michael F. Payne, pages 289 through 296

Chapter 22 **The Copepod/Artemia Tradeoff in the Captive of *Hippocampus erectus*, a Vulnerable Species in Lower New York State** By Todd Gardner, pages 297 through 303

Eastman, C. R.; **Olden time knowledge of *Hippocampus***, Extrated from the Annual Report, Smithsonian Institution, 1915, published in 1916, publish by Smithsonian Institution, Washington D.C.

Fish, Marie Poland and Mowbray, William H.; **Sounds of Western North Atlantic Fishes**, 1970, hardback, Publisher is The Johns Hopkins Press
Northern Seahorse *Hippocampus hudsonius*, pages 19 (information, table and two graphs)

Frickhinger, Karl Albert; **Fossil Atlas Fishes**, 1995, hardback, Publisher Tetra Press, Blacksburg, USA

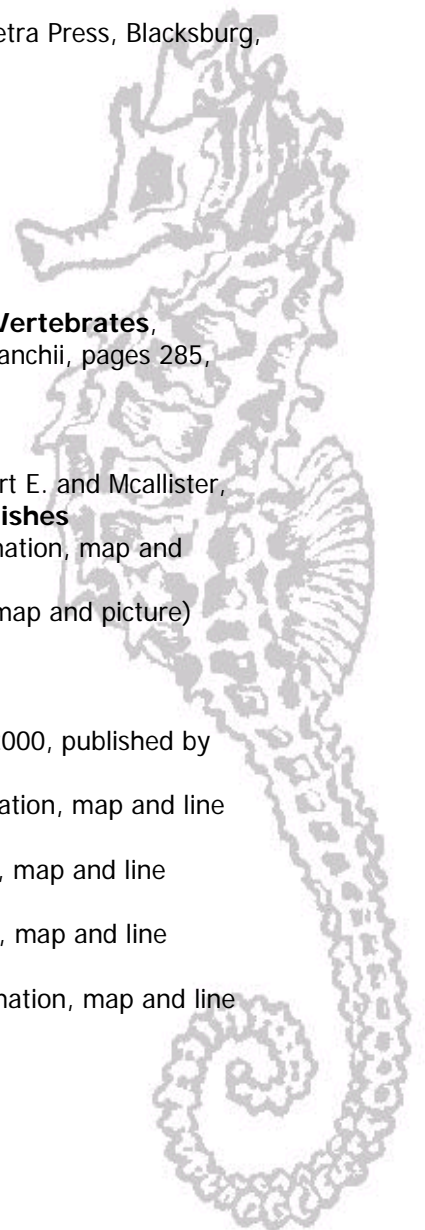
Hippocampus ramulosus Leach pages 770 and 771
Pseudosyngnathus opisthopterus (Agassiz) page 772
Syngnathus heckeli de Zigno page 773
Unnamed pipefish page 774

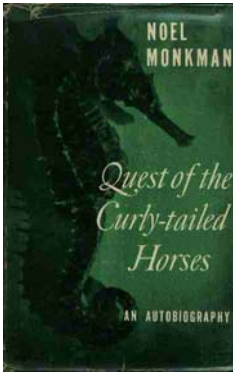
Kingsley, John Sterling; **The Standard Natural History. Vol. 3, Lower Vertebrates**, Published in 1885 by S. E. Cassino and Company, Boston -- Order Lophobranchii, pages 285, 286, 287

Lee, David and Gilbert, Carter R. and Hocutt, Charles H. and Jenkins, Robert E. and Mcallister, Don E. and Stauffer, Jr., Jar R.; **Atlas of North American Freshwater Fishes**
Opossum pipefish *Oostethus brachyurus*, page 567 (information, map and picture)
Gulf pipefish *Syngnathus scovelli*, page 568 (information, map and picture)

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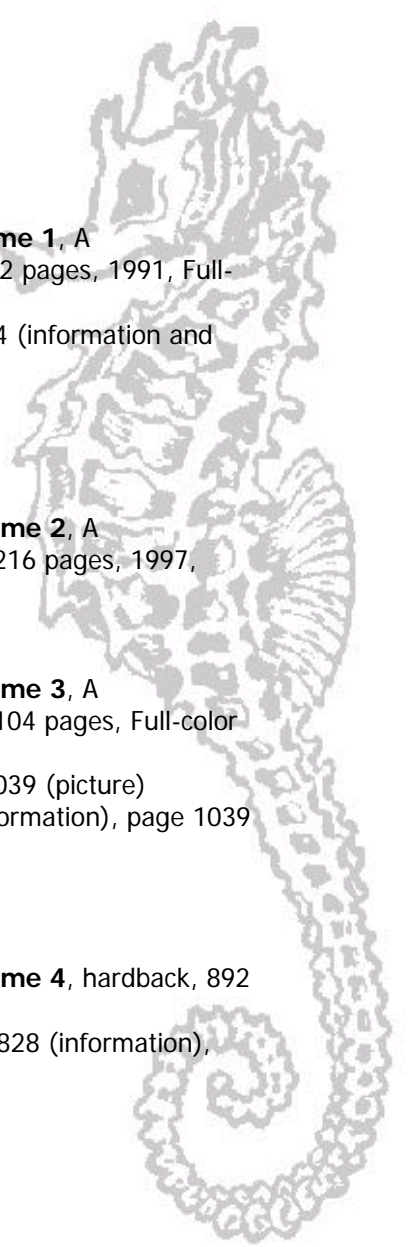
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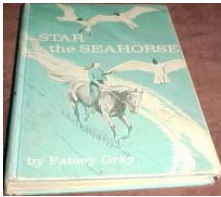


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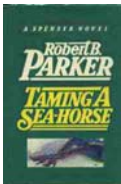




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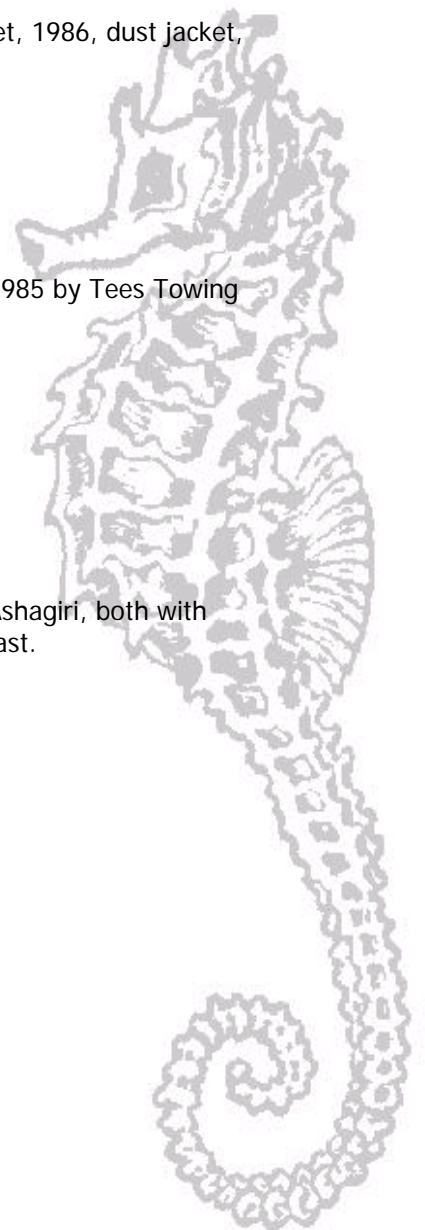
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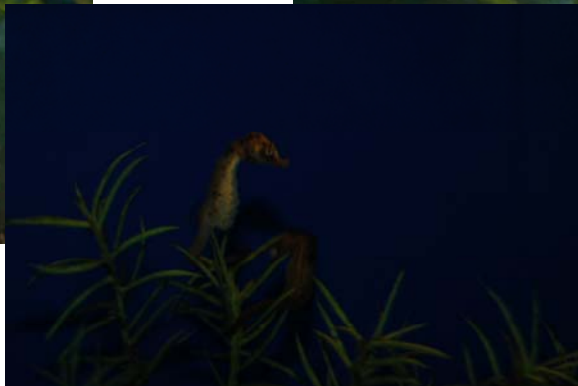


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Jim petting a Beluga Whale ->



Seahorses and Pipefish at the Birch Aquarium

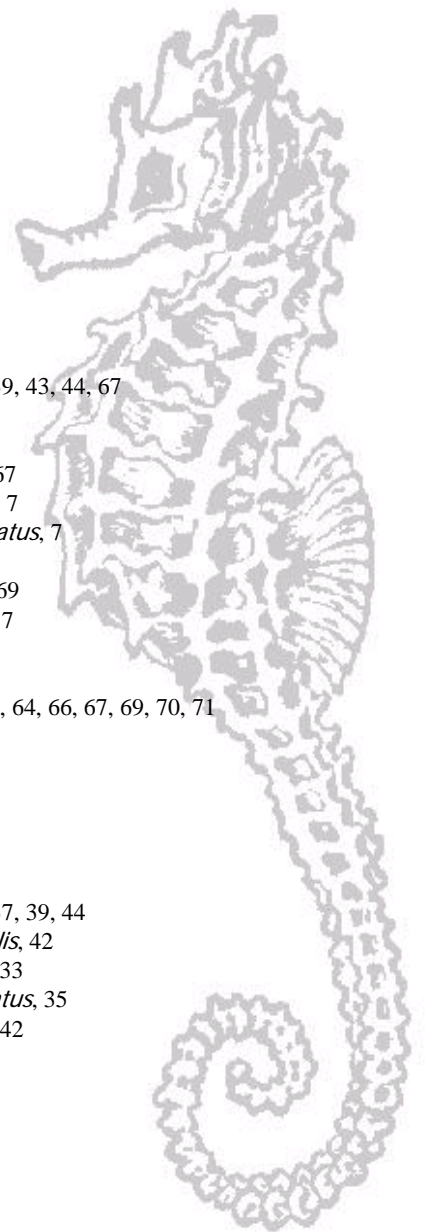
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