



Second Nature: Environmental Enrichment for Captive Animals

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Second Nature: Environmental Enrichment for Captive Animals From Brand: Smithsonian Books

Growing recognition of the complexity of animals' physical, social, and psychological lives in the wild has led both zookeepers and the zoo-going public to call for higher environmental standards for animals in captivity.

Bringing together the work of animal behaviorists, zoo biologists, and psychologists, *Second Nature* explores a range of innovative strategies for environmental enrichment in laboratories and marine parks, as well as in zoos. From artificial fleeing-prey devices for leopards to irregular feeding schedules for whales, the practices discussed have resulted in healthier, more relaxed animals that can breed more easily and can exert some control over their environments. Moving beyond the usual studies of primates to consider the requirements of animals as diverse as reptiles, amphibians, marine mammals, small cats, hooved grazers, and bears, contributors argue that whether an animal forages in the wild or plays computer games in captivity, the satisfaction its activity provides—rather than the activity itself—determines the animal's level of physical and psychological well-being.

Second Nature also discusses the ways in which environmental enrichment can help zoo-bred animals develop the stamina and adaptability for survival in the wild, and how it can produce healthier lab animals that yield more valid test results. Providing a theoretical framework for the science of environmental enrichment in a variety of settings, the book renews and extends a humane approach to the keeping and conservation of animals.

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Editorial Review

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The best zoos are no longer menageries, places where unusual animals are held in cages for the amusement of the bored public. They are now conservation centers, and the animals in their care contribute to the teaching of environmental awareness in zoo visitors. Zoos are also important genetic "arks," especially for the captive breeding of endangered species. How then can zoos make the lives of their captive animals more complete so that they will exhibit normal behaviors, breed in captivity, and possibly be released back into the wild? The current volume brings together the work of animal behaviorists to discuss environmental enrichment, a term that covers any modifications to the animals' social and physical environment. Divided into three sections covering theoretical bases, conservation and animal welfare, and husbandry and training, the various papers cover an array of training and caging techniques for species from primates to hoofed animals. This important volume will be of interest to every zoo fan and animal-behavior enthusiast, as well as those concerned with animal welfare, and belongs in libraries with large natural-history collections. *Nancy Bent*

Review

"An important volume for those concerned with animal care, captive maintenance, and the ethics of issues surrounding the maintenance of animals in artificial environments. . . . [It offers] a fascinating overview of how far the discipline of applied animal behavior has advanced in the last twenty years."—*Quarterly Review of Biology*

"[This] book is . . . the first to provide a theoretical framework for a science of environmental enrichment. This is still a very young science and much remains to be done. But *Second Nature* provides an informative introduction, as well as offering some pointers to future developments."—*International Zoo News*

"*Second Nature* is a gold mine of information. . . . The editors are leaders in the field and the thirty-eight contributors represent an all-star cast. An excellent book and a must-read."—*BioScience*

"This important volume will be of interest to every zoo fan and animal-behavior enthusiast, as well as those concerned with animal welfare."—*Booklist*

About the Author

David J. Shepherdson is program scientist at Metro Washington Park Zoo in Portland, Oregon. **Jill D. Mellen** is a behavioral scientist at the Walt Disney Animal Program in Orlando, Florida. **Michael Hutchins** is director of conservation and science for the American Zoo and Aquarium Association, based in Bethesda, Maryland.

Users Review

From reader reviews:

James Shaw:

Spent a free the perfect time to be fun activity to complete! A lot of people spent their leisure time with their family, or their friends. Usually they undertaking activity like watching television, gonna beach, or picnic in

the park. They actually doing same thing every week. Do you feel it? Do you want to something different to fill your personal free time/ holiday? Might be reading a book can be option to fill your cost-free time/ holiday. The first thing that you'll ask may be what kinds of e-book that you should read. If you want to attempt look for book, may be the e-book untitled Second Nature: Enviromental Enrichment for Captive Animals can be fine book to read. May be it may be best activity to you.

Robin Gilbertson:

Exactly why? Because this Second Nature: Enviromental Enrichment for Captive Animals is an unordinary book that the inside of the e-book waiting for you to snap it but latter it will shock you with the secret the idea inside. Reading this book next to it was fantastic author who also write the book in such incredible way makes the content on the inside easier to understand, entertaining method but still convey the meaning completely. So , it is good for you for not hesitating having this any more or you going to regret it. This phenomenal book will give you a lot of positive aspects than the other book have got such as help improving your expertise and your critical thinking technique. So , still want to hold up having that book? If I had been you I will go to the publication store hurriedly.

Kevin Blais:

The book untitled Second Nature: Enviromental Enrichment for Captive Animals contain a lot of information on it. The writer explains her idea with easy technique. The language is very clear and understandable all the people, so do not necessarily worry, you can easy to read that. The book was published by famous author. The author will bring you in the new period of literary works. It is easy to read this book because you can read on your smart phone, or gadget, so you can read the book within anywhere and anytime. If you want to buy the e-book, you can start their official web-site as well as order it. Have a nice examine.

Sarah Porter:

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