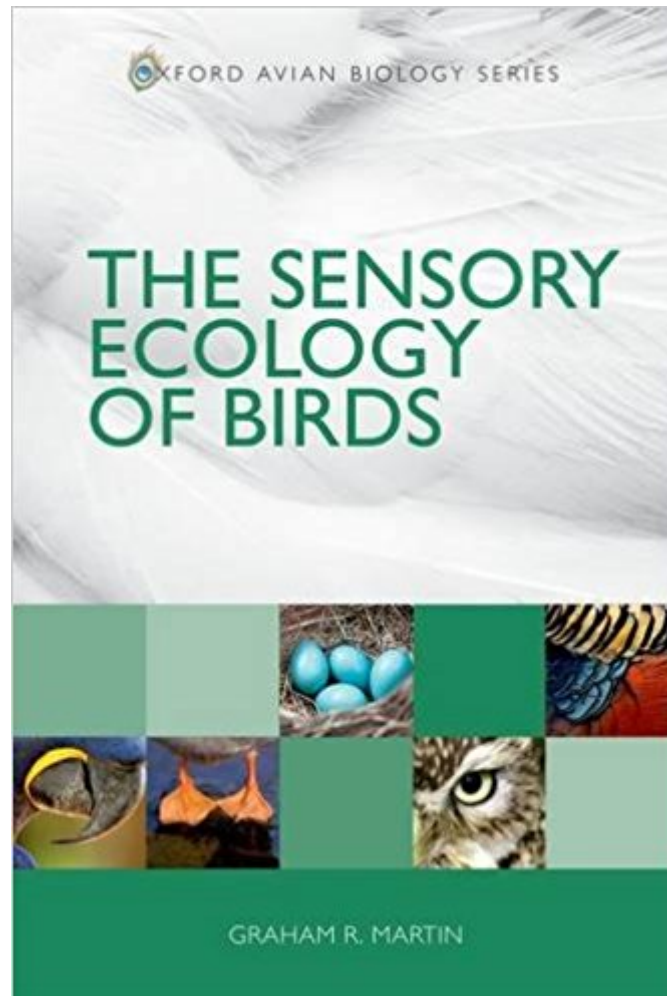




**Ebook Directory**  
the best source of ebook

The book was found

# The Sensory Ecology Of Birds (Oxford Avian Biology)



## Synopsis

Birds are renowned for their exceptional vision and the way that this enables them to survive and navigate the world in such a unique way. However, it is now recognised that avian behaviour is guided by information drawn from many different senses which are then used in integrated and complementary ways to answer the many different sensory challenges posed by specific environments and particular tasks. Understanding how sensory information is used by birds has important applications in conservation, such as providing vital insights into why birds are prone to collisions with structures like power lines and wind turbines, and why so many diving birds become entrapped in nets. A sensory ecology approach suggests how these problems can be mitigated. The Sensory Ecology of Birds ranges widely across species, environments, and behaviours to present a synthesis that challenges previous assumptions about the information that controls the behaviour of birds. A bird may use a wide range and combination of sensory information that comes from sight, hearing, smell, mechanoreception, taste, and magnetoreception. It may also include specific refinements of senses, such as echolocation and remote touch from the bill. The book recognises that there are many complex and subtle trade-offs and complementarities of information between different types of sensory information. This accessible text will be of interest to a wide ornithological readership, from undergraduates to researchers as well as a broader audience of behavioural ecologists and evolutionary biologists.

## Book Information

Series: Oxford Avian Biology

Paperback: 320 pages

Publisher: Oxford University Press; 1 edition (April 9, 2017)

Language: English

ISBN-10: 0199694540

ISBN-13: 978-0199694549

Product Dimensions: 9.1 x 0.7 x 6.1 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #579,800 in Books (See Top 100 in Books) #258 in [Books > Science & Math > Biological Sciences > Zoology > Ornithology](#) #892 in [Books > Science & Math > Biological Sciences > Animals > Birds & Birdwatching](#) #1827 in [Books > Science & Math > Biological Sciences > Ecology](#)

## Customer Reviews

Everyone should read this book, they will almost certainly regard birds with a new sense of wonder and respect, with better insights into what the world is really like for them. \* Rob Robinson, British Trust for Ornithology (BTO) \*

Graham Martin, Emeritus Professor, School of Biosciences, University of Birmingham  
Graham Martin spent most of his career at the University of Birmingham, ending with a personal chair in Avian Sensory Science, in the School of Biosciences. The focus of his teaching was sensory science and animal behaviour, and he founded and led the only MSc programme in Ornithology in Europe. Over his career he has published papers on the senses of more than 60 species and carried out research in many locations (Antarctica, New Zealand, Africa, South America, Europe). He officially retired in 2011 but remains academically active and continues to publish on the vision of birds, most recently Hawks, Kites and Puffins.

[Download to continue reading...](#)

The Sensory Ecology of Birds (Oxford Avian Biology) Biology and Ecology of Earthworms (Biology & Ecology of Earthworms) Everyday Games for Sensory Processing Disorder: 100 Playful Activities to Empower Children with Sensory Differences Raising a Sensory Smart Child: The Definitive Handbook for Helping Your Child with Sensory Processing Issues, Revised Edition The Sensory Team Handbook: A hands-on tool to help young people make sense of their senses and take charge of their sensory processing Maximum Entropy and Ecology: A Theory of Abundance, Distribution, and Energetics (Oxford Series in Ecology and Evolution) Sensory Ecology, Behaviour, and Evolution The Gift of Birds: True Encounters with Avian Spirits (Travelers' Tales Guides) Avian Evolution: The Fossil Record of Birds and its Paleobiological Significance (TOPA Topics in Paleobiology) Avian Medicine and Surgery in Practice: Companion and Aviary Birds, Second Edition Backyard Birds of Eastern/Central North America: A Folding Pocket Guide to Common Backyard Birds (All About Birds Pocket Guide Series) Feeder Birds of the Northwest: A Folding Pocket Guide to Common Backyard Birds (All About Birds Pocket Guide Series) Feeder Birds of the Northeast: A Folding Pocket Guide to Common Backyard Birds (All About Birds Pocket Guide Series) Feeder Birds of Texas: A Folding Pocket Guide to Common Backyard Birds (All About Birds Pocket Guide Series) The Biology of Mosquitoes: Sensory, Reception, and Behaviour (Volume 2) Developmental Biology, Ninth Edition (Developmental Biology Developmental Biology) Young Scientists: Learning Basic Biology (Ages 9 and Up): Biology Books for Kids (Children's Biology Books) Oxford Handbook

of Political Psychology (Oxford Handbooks) published by Oxford University Press, USA (2003)  
Buddhism and Ecology: The Interconnection of Dharma and Deeds (Religions of the World and Ecology)  
Freshwater Ecology, Second Edition: Concepts and Environmental Applications of Limnology (Aquatic Ecology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)