

# Sensory Biology Of Sharks Skates & Rays By Edward Shilling Hodgson;Robert Mathewson

**By Edward Shilling Hodgson;Robert Mathewson**

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Title. Sensory biology of sharks, skates, and rays / editors Edward S. Hodgson, Robert F. Mathewson. By. Hodgson, Edward Shilling, 1926- Mathewson, Robert F.

<http://www.biodiversitylibrary.org/bibliography/3596>

rays and rattfishes: introduction, history, overview, and future prospects. Hodgson, E.S. und Mathewson (ed.) 1978. Sensory biology of sharks, skates, and rays.

[http://link.springer.com/chapter/10.1007/978-94-017-3450-9\\_1](http://link.springer.com/chapter/10.1007/978-94-017-3450-9_1)

(and Seventh) Sense. By Tanya Brunner, MS. Sharks and clusters of sensory hair cells. When a shark is and Sphyrnid sharks. Environmental Biology of

<http://www.sharksavers.org/en/education/biology/the-sixth-and-seventh-sense/>

Sensory biology of sharks, skates and rays on Amazon.com. \*FREE\* shipping on qualifying offers.

<http://www.amazon.com/Sensory-biology-sharks-skates-rays/dp/B0000EH0V3>

The elasmobranch fishes include the living sharks, skates and rays that are important members of nearly all marine ecosystems. Their large size, secretive behavior

<http://www.alibris.com/The-Behavior-and-Sensory-Biology-of-Elasmobranch-Fishes-An-Anthology-in-Memory-of-Donald-Richard-Nelson-Donald-Richard-Nelson/book/9186851>

However, although elasmobranchs (sharks, skates and Hodgson, E. S. & R. F. Mathewson (eds.), Sensory Biology of Sharks, Skates and Rays. Office of Naval Research

[http://www.academia.edu/14022290/VOLUMETRIC\\_ANALYSIS\\_OF\\_SENSORY\\_BRAIN\\_AREAS\\_INDICATES\\_ONTOGENETIC\\_SHIFTS\\_IN\\_THE\\_RELATIVE\\_IMPORTANCE\\_OF\\_SENSORY\\_SYSTEMS\\_IN\\_ELASMOBRANCHS](http://www.academia.edu/14022290/VOLUMETRIC_ANALYSIS_OF_SENSORY_BRAIN_AREAS_INDICATES_ONTOGENETIC_SHIFTS_IN_THE_RELATIVE_IMPORTANCE_OF_SENSORY_SYSTEMS_IN_ELASMOBRANCHS)

Facilities can use an understanding of elasmobranch sensory biology and natural history, Sensory Biology of Sharks, Skates, and Rays (Eds.). Arlington,

[http://www.academia.edu/3020652/Chapter13-Learning\\_and\\_Behavioral\\_Enrichment](http://www.academia.edu/3020652/Chapter13-Learning_and_Behavioral_Enrichment)

This study intends to contribute to the broad field of sensory biology of cartilaginous fishes (elasmobranchs such as sharks, skates and rays) and bony  
<http://www.animals.uwa.edu.au/research/neuroecology/postgraduate?lucille.chapuis>  
E.S. Hodgson, R.F. Mathewson (Eds.), Sensory Biology of Sharks, Skates, and Rays, Office of Naval Research, Whale shark (*Rhincodon typus*) biology and ecology:  
<http://www.sciencedirect.com/science/article/pii/S016578360600395X>

ADA061734. Title : Sensory Biology of Sharks, Skates, and Rays, Corporate Author : TUFTS UNIV MEDFORD MA DEPT OF BIOLOGY. Personal Author(s) : Hodgson, Edward S  
<http://oai.dtic.mil/oai/oai?verb=getRecord&metadataPrefix=html&identifier=ADA061734>

Carl D. Hopkins discusses Adrianus J. Kalmijn's 1971 paper entitled The electric sense of sharks and rays history of biology sharks, skates and  
<http://jeb.biologists.org/content/213/7/1005.short>

Head morphology and electrosensory pore distribution of carcharhinid and sphyrnid sharks. Environmental Biology of Fishes magnetic sensory world of sharks, skates  
<http://www.publish.csiro.au/?paper=MF14245>

but refer particularly to papers published since the extensive review of the sensory biology of sharks, skates and rays edited by Hodgson and Mathewson  
[http://link.springer.com/chapter/10.1007/978-3-642-73336-9\\_3](http://link.springer.com/chapter/10.1007/978-3-642-73336-9_3)

Hodgson ES, Mathewson RF, eds. Sensory Biology of Sharks, Skates and Rays. US Government Printing Office, Washington DC, pp. 117  
<http://onlinelibrary.wiley.com/doi/10.1111/1749-4877.12095/references>

Sensory Biology of Sharks, Skates and Rays [E.S. Hodgson, R.F. Mathewson] on Amazon.com. \*FREE\* shipping on qualifying offers.  
<http://www.amazon.com/Sensory-Biology-Sharks-Skates-Rays/dp/071940066X>

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