

**Cabrillo Marine Aquarium
Virginia Reid Moore
Marine Research Library**



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LIBRARY PATHFINDERS

CREATURES OF THE DEEP SEA

The Deep Sea, which has been immersed in darkness since the dawn of time, occupies 85% of the ocean, making it Earth's largest habitat. For the last 25 years, a new deep sea species has been described every two weeks. In the year 2000, an international scientific program called The Census of Marine Life (COML), was launched to attempt the monumental task of identifying marine species. Since then, *each year* researchers discovered approximately *1650 new species*. In October of 2010, COML will publish its findings of over 230,000 species via online and print resources.

You can learn more about these bizarre creatures in the following materials:

BOOKS

The Deep / Claire Nouvian. **QL125.5 .D44 2007**

Revealing nature's oddest and most mesmerizing creatures, *The Deep* features more than 200 color photographs of living fossils, terrifying sea monsters and bioluminescent creatures, some photographed for the first time. The history of deep sea exploration and the ecology of deep sea habitats are examined.

Mysteries of the Deep / Joseph J. Thorndike. **GC21 .M97**

Mysteries addressed include Sunken Treasure, Underwater Archaeology, Strange Sea Creatures and puzzles of ocean science.

Ocean / American Museum of Natural History **GC21 .O23 2006**

Comprehensive source covering practically all aspects of marine biology and habitats, gorgeously illustrated as only DK (Dorling Kindersley) can produce. Go to page 222, "*Living Down Deep*" if you dare!! Follow that with a soothing read on Bioluminescence (p. 224-5). Then, learn some quirky details about the Deep Sea Spider on p. 295, and don't miss the Giant Octopus on p. 290. The timely forward is authored by Fabien Cousteau.

Secrets des abysses (Secrets of Abyss) / Christine Causse et Phillippe Vallette **GC21 .S43 C38 2009Fr**

Published in French by 2 staff members of Naussica, National Center of the Sea, this book discusses the biology and geology of the deep sea and its habitats, the history of deep sea exploration, the effects of weather on the ocean floor, and the myths, folklore and truths of the bizarre deep sea creatures. Underwater petroleum drilling and mineral mining are also covered. This source is beautifully illustrated with color photos, diagrams, relief maps, historical photos and ancient art! The book ends with a call to action to preserve the ocean habitat, which will in turn save the planet. A DVD is included, entitled Kingdom of the Sperm Whale.

The Silent Deep / Tony Koslow. **QH541.5 .D35 K67 2007**

The Silent Deep tells the stories of discovery of the deep sea, the ecologies of its ecosystems, and of the impact of humans, highlighting the importance of global stewardship in keeping this delicate ecosystem alive and well.

Children's Books

Creatures that Glow / Anita Ganeri. **QH641 .G26 1995**

This well-illustrated book explains bioluminescence and examines over 30 animals and plants, including sea creatures such as the angler fish and dragon fish.

The Winking, Blinking Sea / Mary Batten **QH641 .B38 2000**

Angler fish, deep sea squid, jellyfish and deep-sea worms are discussed in this illustrated source.

PERIODICALS / NEWS ARTICLES

"A Deep Dive into the Great Mysteries of Life". / Bob Drogin. Los Angeles Times, Sunday August 2, 2009, pp. A1,A10.

"Monsters of the Deep". Science Illustrated, May/June 2009, pp. 30-37.

"Creatures of the Deep!" / Laura Helmuth. Smithsonian, Vol. 38, No. 7, October 2007, pp. 68-75.

FEATURED WEBSITES

Census of Marine Life www.coml.org

The Census of Marine Life (COML) is a global network of researchers in more than 80 nations engaged in a scientific initiative to assess and explain the diversity, distribution, and abundance of life in the oceans – past, present and future. The world's first comprehensive Census of Marine Life will be released in 2010.

Census of the Diversity of Abyssal Marine Life www.cedamar.org

CeDAMar started to explore abyssal plains in 2000 and will continue until 2010. At the moment, there are 56 institutions in 17 countries involved, and the number is growing. Their research is a journey through the largest ecosystem on Earth, a hidden realm of darkness, freezing cold and unimaginable pressure teeming with the most wondrous and diverse forms of life. CeDAMar is partnered with COML and OBIS (Ocean Biogeographic Information System - www.iobis.org).