

# THE *Current*

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## **New Species of Coral Discovered Off Southern California**

A new species of black coral has been discovered off southern California, including around the Channel Islands, by Milton Love, University of California, Santa Barbara marine researcher, and Mary Yoklavich of NOAA Fisheries. The discovery came during dives by the researchers in "Delta," the submersible.

The new species, found at depths of approximately 300 to 725 feet, is reported this week in the online scientific journal *Zootaxa* (<http://www.mapress.com/zootaxa/content.html>) by taxonomist Dennis Opresko of Oak Ridge National Laboratory.

Love named the new species "Christmas Tree Coral" (*dendochristos* in Greek) since it grows to a height greater than two meters and resembles pink, white and red flocked Christmas trees.

The complete scientific Greek name for the new coral is *Antipathes dendrochristos*. The word for black coral is "Anti" for against, and "pathos," for disease, a reference to the fact that black coral amulets were once thought to provide protection against disease and evil spirits.

The Christmas tree coral was first noticed by the researchers during dives for surveys of rockfishes on deep rocky banks about 40 miles off the coast, west of Los Angeles.

Many of the deepwater reefs in southern California harbor remarkably healthy communities of corals, sponges, and other large invertebrates," said Love. "This may be the case because, historically, there has been relatively little trawling over reefs in our area. What we need to know is the role that these large invertebrates play as deep-water habitats for fishes and other marine life."

"What is really remarkable," said biologist Mary Yoklavich from NOAA Fisheries, "is that these spectacular large colonies have managed to go unnoticed while living in the backyard of the largest urban area on the West Coast."

This research was supported in part by the David and Lucile Packard Foundation; NOAA Fisheries SWFSC, Offices of Habitat Conservation and Protected Resources, National Undersea Program, and Marine Protected Area Science Institute; California Artificial Reef Enhancement Program; the National Museum of Natural History of the Smithsonian Institution; and Oak Ridge National Laboratory.

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