Creep into the Deep:
Discovering Deep-Sea Coral

DEEP-SEA EXPLORER

Kathryn E. F. Shamberger

Illustration by Paul Lopez

Defying Dissolution: North Pacific Deep-Sea Scleractinian Reefs in Undersaturated Water (NSF OCE-1851378)

Kathryn E. F. Shamberger, PhD

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Studies:

The chemistry of seawater, how humans are changing the chemistry of seawater, and how those changes affect the health of corals and coral reefs.

Research Focus:

Deep-sea coral reefs that we found in the North Pacific live where the water has so much carbon dioxide. Want to know if the coral skeletons that form the reef are dissolving. If so, how fast? If not, why not?

Has Studied:

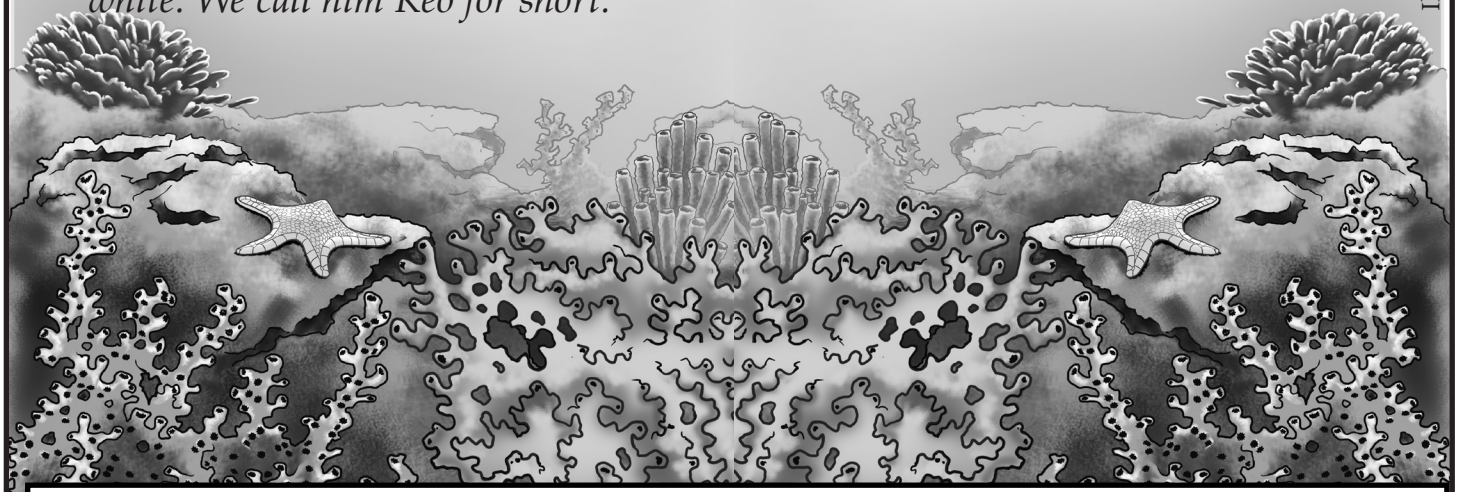
Tropical, shallow water coral reefs all over the world including in Hawaii, Florida Keys, Gulf of Mexico, Caribbean, Great Barrier Reef Australia, and Taiwan. Snorkeled to study shallow reefs. Uses underwater robots to study the deep-sea reefs.

Three things Katie does to help the Earth:

Teaches college students about how important the ocean is. Drives a hybrid car. Reduces water use by collecting rain running off roof in big rain barrels then uses to water the garden and house plants.

Something surprising about Katie:

I used to live in Hawaii and met my husband there. Now we have 2 kids and a white golden retriever named Ke'oke'o, which is Hawaiian for the color white. We call him Keo for short.



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