



# DIVE!

Explore Coral Reefs Around the World

Sue Battel and Kelley Williams



THE GOOD AND THE BEAUTIFUL LIBRARY

# DIVE!

**Explore Coral Reefs Around the World**



**By Sue Battel and Kelley Williams**

**Design by Robin Fight**

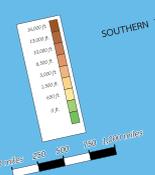
**Cover design by Robin Fight**

© 2020 Jenny Phillips  
goodandbeautiful.com

# PHILIPPINES



SOUTH SEA



2

SOUTHERN TAGALOG

SULU SEA



Hi! Welcome to the Reef Explorers Club!

My name is Pacifico, and I'm from the Philippines. I am thrilled that you have joined the group. Every time I explore a new coral reef, you will receive a letter and animal identification cards from me. I will be traveling to different coral reefs around the world to discover new animals and scenery and share what I learn with you!

Your friend,  
Pacifico



REEF EXPLORERS CLUB MEMBER  
CLUB MEMBER P.O. BOX #1  
REGISTERED CLUB MEMBER RESIDENCE



## SNORKELING TIPS

How was I able to explore these reefs without a scuba tank? I snorkeled! There's nothing like adjusting your mask on your face, taking a deep practice breath through your snorkel tube, and jumping into the crystal clear tropical waters! Here are some tips for snorkeling beginners:

**EQUIPMENT NEEDED:**  
mask, fins, snorkel, life jacket, rash guard

### PACIFICO'S TIPS:

- Make sure your defogged mask is a perfect fit.
- Use full-foot fins for the most swimming power.
- Do a practice dive to get used to your equipment.



REEF EXPLORERS CLUB M

CLUB MEMBER P.O. BOX

REGISTERED CLUB ME



*I just got a new snorkel, mask, and fins!  
Having good equipment is important.*

## PACIFICO'S DIVE TALES

1

## ALL ABOUT CORALS

There is one thing every coral reef around the world has in common: corals. Coral reefs are actually millions of single polyps that connect and form calicles—limestone skeletons that make up the base of these marine communities. Thousands of ocean animals call these reefs their home.

## CORAL NOTES

- Animal type: invertebrate
- Diet: zooplankton, fish, and algae
- Size: from one polyp to communities covering a large surface area



# STONY CORAL



SHORT POLYP  
STONY CORAL (SPS)



MONTIPORA

Reef-building corals; produce calcium carbonate skeleton

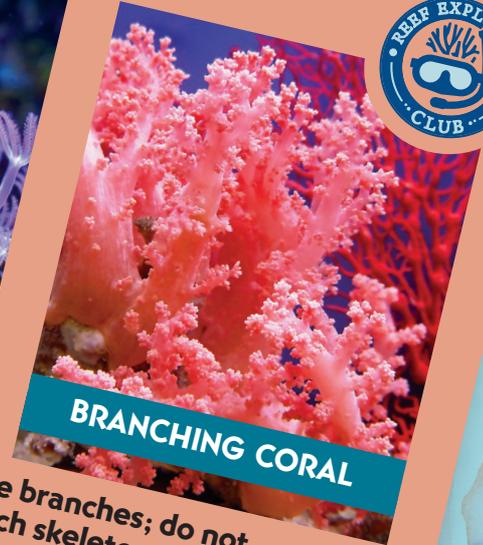


Blue SPS Coral

# SOFT CORAL

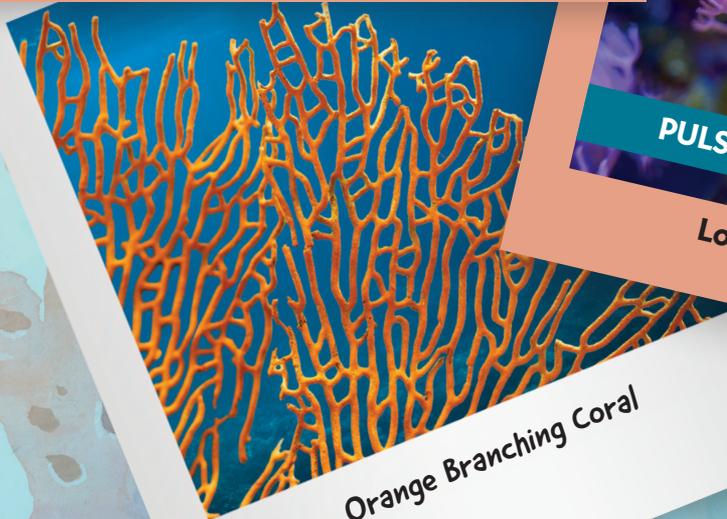


PULSING XENIA



BRANCHING CORAL

Look like colorful tree branches; do not produce as much skeleton



Orange Branching Coral

Greetings from the  
**GREAT BARRIER REEF**

Queensland, Australia  
Coral Sea



I just finished a snorkeling expedition  
in the largest coral reef in the world—  
the Great Barrier Reef—off the coast  
of Australia. The Great Barrier Reef is  
so extensive it can be seen from space!  
Check out what we found when we dove  
into the warm, blue waters of the  
Coral Sea!

Your friend,  
Pacifico



REEF EXPLORERS CLUB MEMBER  
CLUB MEMBER P.O. BOX #  
REGISTERED CLUB MEMBER



**AUSTRALIA**



## PACIFICO'S DIVE TALES

2

## SEA ANEMONES AND CLOWNFISH

This flowing sea anemone usually stings anything it touches, but the bright orange clownfish actually lives within the anemone's tentacles. The clownfish is protected from predators by the anemone, and the anemone is fed when the clownfish drops bits of zooplankton, copepods, and algae as it eats.

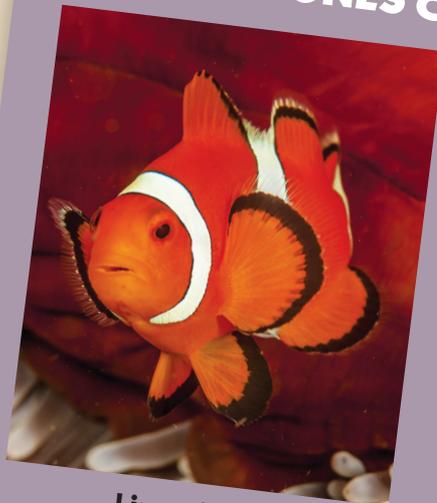
## SEA ANEMONE NOTES

- Animal type: invertebrate
- Diet: small animals such as plankton, crabs, and fish
- Size: 1.3 centimeters–1.8 meters (0.5 inches–6 feet) long
- Also known as the "flower of the sea"

## CLOWNFISH NOTES

- Animal type: fish
- Diet: tiny zooplankton, copepods, and algae
- Size: 11 centimeters (4.3 inches) long

## SEA ANEMONES &amp; CLOWNFISH



Live within the anemone's tentacles; secrete a mucus that makes them immune to the anemone's sting

## PACIFICO'S DIVE TALES

3

## HAWKSBILL TURTLE

I couldn't take my eyes off this majestic hawksbill sea turtle. It is named for its narrow, pointed beak and can live to be 50 years old.

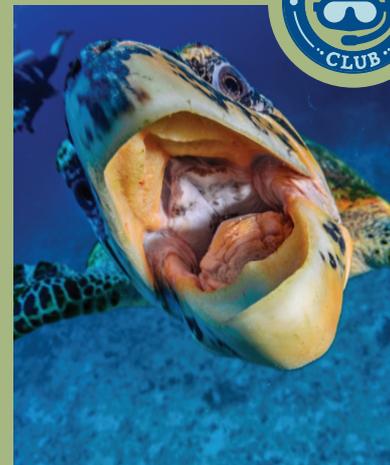
## HAWKSBILL TURTLE NOTES

- Animal type: reptile
- Diet: sponges, anemones, and jellyfish
- Size: 1.1 meters (3.61 feet) long and weighs 68 kilograms (150 pounds)
- Critically endangered because they've been hunted for their beautiful shells



Hawksbill Turtle

## HAWKSBILL TURTLE



Endangered species hunted for its shell;  
named for its narrow, pointed beak

# PACIFICO'S DIVE TALES

4

## GIANT CLAMS

These giant clams can live even longer than the turtles—up to 100 years! Once the clam finds its home, it stays in that spot for life.

### CLAM NOTES

- Animal type: invertebrate
- Diet: filter feeder of plankton, also algae that lives within it
- Size: 1.3 meters (4.25 feet) long and weigh 250 kilograms (550 pounds)
- Brilliant colors come from its symbiotic relationship with the algae



## GIANT CLAMS



Get their coloring from their symbiotic relationship with algae; can reach a lifespan of up to 100 years

## PACIFICO'S DIVE TALES

5

Fossilized  
Shark Teeth

## BLACK-TIPPED REEF SHARK

*I almost swallowed my snorkel when a black-tipped reef shark swam near me! Luckily, these sharks are timid and rarely hurt humans. They can swim 50–97 kilometers (30–60 miles) per hour and can actually leap out of the water to jump over shallow reefs!*

## BLACK-TIPPED REEF SHARK NOTES

- Animal type: cartilaginous fish
- Diet: small fish, crustaceans, and cephalopods
- Size: up to 1.8 meters (6 feet) long
- Females are pregnant for 12 months and have litters of 2–4 pups

## BLACK-TIPPED REEF SHARK



Timid, rarely hurts humans; swims at 50–97 kilometers (30–60 miles) per hour



Have you ever wished you could snorkel with a shark? What if you could read about what it's like to brush against a stinging fire coral? Pacifico, an avid ocean explorer, wants you to join him on his adventures to some of the most magnificent coral reefs in the world. Earn your Reef Explorers Club patch as you read Pacifico's letters and collect the stunning photos he sends the club about his encounters with the incredible wildlife found swimming amongst the corals.

Fig. 1



# DIVE!

## Explore Coral Reefs Around the World

ORIGINAL PUBLICATION



THE GOOD AND THE BEAUTIFUL  
goodandbeautiful.com

\$6.99  
ISBN 978-1-952920-28-8  
5 0699 >  
  
9 781952 920288  
SKU 730