



CMA Kids News

Spring 2011

Volume 1, Issue 2

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All The Way to the Ocean

By Sara K.

Joel Harper recently published a book called *All the Way to the Ocean*. It is a book that inspires and educates children to prevent storm drain pollution. You can help take care of the Earth by picking up trash around the beach and not littering! Joel Harper got the idea for his book when he saw how the sea was in



Author Joel Harper with Sara K. and Diana K.

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Raising California Spiny Lobsters

The effects of food types on survival and development of larval lobsters

By Kaitlyn T.

Since July 2010, Adrienne McColl has been studying and raising California Spiny Lobsters. California Spiny Lobsters don't have claws, but have spikes all over their bodies. They are found 10-28 feet deep and are sold for around \$25 per pound. Adrienne has always been

interested in raising animals and decided to take on the challenge of raising the California Spiny Lobsters. She saw 8 out of the 12 development stages of the California Spiny Lobster. She raised the lobsters for 180 days breaking the old record of 110 days.

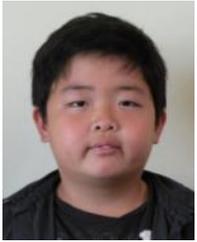
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Adrienne McColl



CMA KIDS NEWS—SPRING 2011 REPORTERS



Alexander C.



Alexis D.



Anthony K.



Catherine J.



Chloe C.



Diana K.



Faith K.



Holden O.



Joshua W.



Kaitlyn T.



Loren K.



Michael C.



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Naoya O.



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Raul S.



Ryan L.



Sara K.



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Sydney C.



Tara S.



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Not pictured: Angelica J.



Alison



Ashley



Elena



Henry



Jessica



Kelly R.



Luke



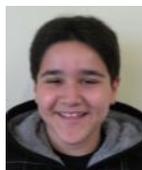
Maddy



Matt



Mitchell



Neema



Patrick



Sarah



Taylor H.



Taylor W.



Tessa

Reduce, Reuse, Recycle

By Loren K.

CMA Kids News interviewed Francisca Rodriguez from the Los Angeles County Department of Public Works at the CMA's Earth Day celebration on April 23. She was at the Public Works' booth about recycling.

Recycling is an important topic because if we recycle we could help to

stop global warming. Also, if we recycle, people can live in a better environment and breathe better air. If everyone does their part, our landfills won't get contaminated.

Francisca Rodriguez was at the booth to teach the public how to recycle. The Los Angeles County Department of

Public Works is a public agency and there are about 35,000 employees.

Kids can also help by recycling. You can recycle household items like phones and medicine bottles, instead of throwing them in the trash. All you have to do is your part. Remember, reduce, reuse, and recycle! ❖



Reporter Loren K. and Francisca Rodriguez

The Smelly, Stinky Storm Drain

By Sydney C.

The Smelly, Stinky Storm Drain Litter is stacking up in our Sea!

Have you ever wondered where all the trash people have littered went?

CMA Kids News interviewed Anna Oho, who works with the Los Angeles County Department of Public Works. Ms. Oho said that all the trash goes into the storm drains that leads to the ocean.

CMA Kids News: What are you doing at Earth Day?

Ms. Oho: I am promoting public education about the storm drain water that goes into the ocean.

CMA Kids News: What does the game where you sort trash show us?

Ms. Oho: It's called the Sort & Save Game. It helps people understand how to sort trash.

CMA Kids News: What do you do for your job?

Ms. Oho: I attend outreach events.

CMA Kids News: When you were little, did you ever think you'd work with the public agency to prevent garbage going into storm drains?

Ms. Oho: No.

CMA Kids News: What's your favorite part of your job?

Ms. Oho: Being part of

community events and educating the public about pollution prevention.

CMA Kids News: How long have you been doing your job?

Ms. Oho: I have been doing this for 4 years.

I learned from this interview that it's an important issue, and we should be more careful not to litter. If litter goes down storm drains, it's bad because it will make our oceans very polluted. It will affect the animals and it will make the ocean smelly and nasty.

If you care about the pollution, you'll stop littering!❖



Reporter Sydney C., mentor Tessa S., and Anna Oho





<http://scmi.us/category/history-of-scmi>

The SCMI Makes Waves

By Alexis D.

The Southern California Marine Institute (SCMI) booth was really cool! The SCMI was formed over 15 years ago, and for the last five years, Brian Tufts, the SCMI's head marine biologist, has brought his touch-tank to the CMA's annual Earth Day event.

Inside the touch-tank there are two starfish, four stingrays, one sea cucumber, one sea crab, and a sea snail people can touch.

"The purpose of the

booth is to teach people about the environment in the ocean," Mr. Tufts says.

CMA Kids News: Where did you get all of the animals in the tank?

Mr. Tufts: We got the animals from the harbor.

CMA Kids News: How big is the organization? Who is involved in the organization?

Mr. Tufts: There are 14 people. Eight Cal State universities, UCLA, USC,

and Occidental are also involved.

CMA Kids News: What's your favorite part of your job?

Mr. Tufts: Working with the animals.

CMA Kids News: What are ways that kids can help?

Mr. Tufts: Our volunteer program, where you can take care of animals.

Be sure to visit the SCMI tank next year! ❖



environment.ucla.edu

So Cal Marine Institute Saves Our Oceans

By Kaitlyn T.

For a little over 10 years, Brian Tufts has been working with the Southern California Marine Institute (SCMI). The SCMI tries to make the public aware of the ocean. The group has been around 18 years.

Every Earth Day, The SCMI comes to the Cabrillo Marine Aquarium with the touch-tank and adults and kids get

to see the sea cucumbers, starfish, hermit crabs, and a collection of stingrays.

Mr. Tufts' highlight of being in the SCMI is sharing his touch-tanks and watching everyone loving the animals.

There are 14 people in the SCMI group, plus eight Cal State universities, and USC, UCLA, and Occidental are involved.

If you are interested and think that helping this group sounds fun, you could contact this group. Brian Tufts can be contacted at btufts@csulb.edu (310) 519-3172 (Ext. 974). Kids can help take care of the animals and clean out the animal cages.

I hope that next year you can visit the SCMI group at Cabrillo. ❖

About the SCMI

For more info, go to <http://scmi.us>.



Help the Marine Environment

By Shaun K.

The Southern California Marine Institute is made up of 11 major universities in southern California. They have a research vessel called the R/V YellowFin and they conduct marine research. SCMI is based on Terminal Island.

CMA Kids News interviewed Brian A. Tufts of SCMI.

CMA Kids News: What is your booth at CMA's Earth Day about?

Mr. Tufts: To tell everyone about the marine environment and to protect it and its animals.

CMA Kids News: Why is this topic important?

Mr. Tufts: The ocean is important to us and has many resources that we use, like kelp.

CMA Kids News: Why is it important to protect the animals?

Mr. Tufts: If you disrupt one part of the food chain, you ruin the whole food chain. So if you protect one part of the food chain, it helps balance the whole chain.

CMA Kids News: Why are you at the SCMI booth?

Mr. Tufts: To bring the touch tank.

CMA Kids News: How big is the SCMI, and who is involved with the organization?

Mr. Tufts: There are 14 people from 8 Cal State universities, USC, UCLA and Occidental College. There also is a volunteer program where you can help feeding the fish and cleaning the tanks.

Thanks, Mr. Tufts, for helping us learn more about the Southern California Marine Institute. ❖



<http://scmi.us/>

EPA Watches Out for Our Environment

By Holden O.

C*MA Kids News* interviewed the representatives from the Fish Contamination Education Collaborative (FCEC) at the EPA booth on April 23 at the CMA's Earth Day.

Besides enforcing environmental protection laws, the EPA also teaches about pollution and its effects on fish. Factories and sewage treatment plants can be causes of pollution.

Some fish, like the White Croaker and Barracuda are poisoned, because the sea life they eat contains manmade chemicals from pollutants, and these chemicals accumulate in their bodies. The problem region is from Santa Monica Pier to Seal Beach Pier.

This organization also helps people avoid eating fish that could be harmful and gives tips on what fish to eat.

Younger fish have less pollutants than larger fish. For example, there are Halibut, Kelp Bass, Queenfish, and many more.

To find out the Safe Eating Guidelines for local bodies of water, go to http://www.oehha.ca.gov/fish/so_cal/index.html

The EPA is a wonderful organization, and it helps people stay healthy. ❖



Mentor Patrick M., FCEC volunteer, and reporter Holden O.

How You Can Help Seals

By Olivia S.



Reporter Olivia S. with Rosana Privitera and mentor Taylor W.

The Marine Mammal Care Center's booth at CMA's annual Earth Day event was run by Rosana Privitera and she loves to teach about seals! She thinks that seals are important and she is worried that the pollution in the ocean means that the seals will die and she wants the seals to live without the threats from pollution and be enjoyed by everyone.

Ms. Privitera is involved in the booth on Earth Day because she is a retired teacher and helping seals is something that she loves to do.

The Marine Mammal Care Center at Fort MacArthur is a hospital for marine mammals and the hospital nurses seals until they're healthy, and then they bring them back to the ocean!

The Marine Mammal

Care Center has vets, a coordinator, and other staff and is a non-profit organization.

They also use a lot of volunteers. Ms. Privitera thinks that kids can help by making sure to tell a lifeguard if there is a sick seal or sea lion on the beach, and the lifeguard will bring them to the MMCC.

Like Ms. Privitera, I think seals are important too! ❖

Help the Marine Mammal Care Center

By Faith K.



Rosana Privitera with mentor Mira K. and reporter Faith K.

CMA Kids News interviewed a volunteer who works at the Marine Mammal Care Center. All the people who work there volunteer to help the seals and sea lions get better.

Every day, four to eight seals are found sick on the beach! Fisherman sometimes hurt the sea lions and seals by shooting the poor animals in the head! They shoot them because the sea lions and

seals eat the fish, and fisherman want the fish to sell.

To feed the injured seals and sea lions, the Marine Mammal Care Center buys 1,000 pounds of fish per day.

One grown up sea lion eats 10 pounds of fish a day. On top of that, there are about 100 sea lions and seals in the Marine Mammal Care Center! That is so much fish!

Seals and Sea Lions are sometimes poisoned

by acids and need to have medication. The caretakers will stuff the medicine inside the fish and then the seals and sea lions will eat it. Then the seals and sea lions get better!

The Marine Mammal Care Center takes a lot of time and effort to make our world better. The Mammal Care Center is open 7 days a week and gates are always open for you to volunteer and donate! ❖

The Marine Mammal Care Center is located at 3601 South Gaffey Street, San

Pedro, CA 90731. Visitors can view the seals and sea lions from behind the fence

during daylight hours. For more info, go to marine-mammalcare.org/.

Help! Seals Injured

By Syanne P.

The Marine Mammal Care Center at Fort MacArthur in San Pedro is trying to help injured mammals. The mammals they help are seals, sea lions, and elephant seals. We need to spread the word around the world for people to donate to the Center and for people not to pollute!

If you're wondering how they save marine mammals, read on, and

you'll learn more about it.

First, they find injured animals on the beach. Then, they take them to the Center, which is an animal hospital and recovery center.

Finally, they feed them, give them medicine and change their bandages. The Center gives the sea mammals time to recover before setting them free!

The Center really needs help. They have a wish list of things that you can donate. You can contact the Center for more information about their specific needs, or visit their web site at <http://marine-mammalcare.org/>.

Together we can make a difference. For all the world, we can make it a better place by taking care not to pollute. ❖



Mentor Elena U. with reporter Syanne P. at the MMCC booth

The Seal Hospital to the Rescue

By Chloe C.

Pollution! Pollution! Pollution is killing off our ocean life, especially seals.

At the Cabrillo Marine Aquarium's Earth Day event on April 23, booths were everywhere, but the Marine Mammal Care Center booth stood out.

Many seals are endangered, and loving people

are willing to save and care for them. People care for them in the "hospital" (the Marine Mammal Care Center) and then set them free when they're better.

Don't worry. They take in seals that are injured and washed up on the shore.

The people at the

Marine Mammal Care Center's booth care about the endangered seals. Seals are important because they are part of nature's food web, and we just can't ignore ill or hurt creatures!

Remember everyone, we can help the seals by not polluting! ❖



Reporter Chloe C. with mentor Kelly R. at the MMCC booth

Adrienne McColl

Continued from page 1

She fed the lobsters various sea animals including baby grunions.

During grunion season she went out and collected grunion eggs, which she hatched and froze in ice cube trays.

If you are interested in learning more about the California Spiny Lobster visit the Cabrillo Marine Aquarium. ❖





MMCC docent Rosana Privitera with reporter Tara S. and mentor Jessica P.

Help Our Endangered Seals

By Tara S.

Our California seals are disappearing fast. We need to do something about it. Luckily, a seal care group exists locally, the Marine Mammal Care Center. If you are the type of person who really likes sea animals and you're over 18 years of age, then this might be the perfect place for you to volunteer.

There are several items the Center needs so, if you don't have the time to visit the Center, you might want to donate a couple of items such as liquid dish soap, powdered laundry detergent, paper towels, toilet paper, or tissues, and there are many other items needed to run this program. So, please consider donating.

Here are a few fun facts about seals. Did you know that a seal can gain up to 100 pounds in a month? Did you know that one of the reasons for seals dying out is because of excess domoic acid in fish? Now that you know a little about our endangered seals, hopefully you can support the Center and similar organizations. ❖



Reporter Ryan L. with Martin Carreon and mentor Taylor H.

D.I.V.E.R.S. for the environment

By Ryan L.

Divers Involved Voluntarily in Environmental Rehabilitation and Safety (D.I.V.E.R.S.) tries "to preserve the ocean environment and its inhabitants by promoting environmental awareness, removing marine debris, enhanc-

ing and rehabilitating the environment, and sponsoring underwater clean-ups."

Martin Carreon, president of D.I.V.E.R.S., and about a dozen other people spread environmental awareness at the Cabrillo Marine Aquar-

ium's Earth Day festival. Mr. Carreon goes on underwater clean-ups and beach clean-ups, and he says that he gets to dive where nobody else has dived before. He loves his job, and he has lots and lots of fun. He helps by taking garbage and trash off the beaches and by helping clean-up the ocean floor. He wants the ocean and the beaches to be clean.

Kids can help by throwing their trash away in proper receptacles and by recycling cans, bottles, and plastics. If you want to know more about D.I.V.E.R.S., see www.ecodivers.org/. ❖



<http://www.ecodivers.org/photo2.htm>

Exploration of the Ocean

By Catherine J.

Exploration of the Ocean is the name of a booth run by Calvin Won at the Cabrillo Marine Aquarium Earth Day event.

Mr. Won teaches you to decorate without killing animals. Instead, you can go to the beach and collect shells to make jewelry and other decorative products. This will help stop companies from killing animals to make decorative products.

For example, if you find a shell on the beach, it is very likely that the shell is the remains of an already dead and decomposed sea animal. It has not

been killed by a human.

Next time you think about buying something which has parts that we made from animals people had to kill to make the part, then you should think of ways you might get something similar without having to kill an animal.

You might also want to talk to other people about this and to think about what goes into the products they buy and its effect on the ocean. ❖



Mentor Maddy U. with reporter Catherine J. and Calvin Won



Public Works Work For You

By Naoya O.

The Los Angeles County Department of Public Work is involved with projects such as road maintenance, construction and water quality in Los Angeles County. This includes San Pedro, Palos Verdes, and Torrance.

Road maintenance is important for reasons other than a bumpy ride. If roads are not maintained, debris can accumulate on the road. This debris eventually gets into the storm

drain. Everything in the storm drain goes into the ocean.

Public Works focuses not only on road maintenance, it also is in charge of water quality in the ocean. It tells corporations to avoid dumping waste into the ocean. When water quality levels are unsafe, it alerts people not to go to a designated water area.

The Public Works Department also is part of Clean LA (<http://dpw.Lacounty.gov/epd/>)

which includes information on recycling, holds household hazardous and electronic waste collection events, and gives information on composting.

Clean LA also has information for kids, including ways to reduce waste when buying school supplies. Buying items that can be reused and recycled paper helps the environment.

Public works is very important. What would we do without it? ❖



Reporter Naoya O. with mentor Jessica P. and Anna Oho



Mentor Elena U. with FCEC member and reporters Raul S. and Michael C.

EPA Protects our Environment

By Michael C. and Raul S.

Members of the Fish Contamination Education Collaborative (FCEC) helped man the U.S. Environmental Protection Agency (EPA) booth at the Cabrillo Marine Aquarium’s Earth Day event.

The EPA (see <http://www.epa.gov/region9/social/>) helps protect the ocean.

FCEC members that work at the EPA like working there because they love the beach. They can teach us about

what kinds of fish are safe to eat and what kinds of fish we should not eat. They also teach us to not throw trash on the ground and to help keep the beaches clean.

Help spread the word! ❖



ACS member with reporter Mikeal L. and mentor Matt M.

Saving the Whales

By Mikeal L.

Giancarlo and Bobbie, friendly volunteers from the American Cetacean Society’s Los Angeles Chapter, manned the Society’s booth that the Cabrillo Marine Aquarium’s Earth Day Festival.

Members of the American Cetacean Soci-



<http://michaeldanielho.com/mdh.html>

ety like whales. They learn about where they live and what they eat,

and they try to help whales survive. They also teach other people about whales, about not polluting the ocean, about not littering, and about recycling.

You can learn more about the American Cetacean Society at www.acs-la.org/. ❖



www.nmfs.noaa.gov

The Mako Shark

By Alex C.

The Mako shark is one of the coolest fish in the sea. They can be 12 feet long and weigh 1000 pounds.

The Mako shark has narrow, piercing teeth and is related to the Great White Shark. They are very fast swimmers—in fact, they are the

fastest of all sharks. They can swim about 22 miles per hour and some have been recorded at even faster speeds. They can kill swimming fish by biting their prey with their hook-like teeth, so their prey can’t escape.

The Mako shark eats tuna, herring, mackerel,

swordfish and porpoise. They are found in temperate and tropical seas.

If you think about the Mako shark, it’s pretty cool. ❖

For more info, check out <http://dsc.discovery.com/sharks/shortfin-mako-shark.html>

London's Green Scene

By Helena C., *CMA Kids News* London Correspondent

In London, almost everything has to be recycled. Everything, from food, to cans and tins and aluminum, to cardboard and newspapers, to plastic. There's even a recycling service for shoes and diapers. (The material is reused, not the actual diaper.)

Every Monday morning, we bring all our recycling out in front of the house. Each kind of material is in a different box. Most are in dark green plastic bins, but there's a bucket for food waste, a woven white bag for plastic, and a woven pink one for leaves and plant waste.

Watch Out for Foxes

Everything except food waste is already in

the front garden so we don't have to carry them all the way through the house. We never leave the food waste out over Sunday night because if you do the foxes that haunt our roads come and eat whatever food might be in the rubbish. On my way to school I often see black plastic bin liners which have been left out overnight, the bags ripped open, the rotting contents strewn across the pavement.

The Green Cycle

I also see the huge green trucks driving slowly through the street, stopping every so often for the drivers to get out and throw the contents of the bins into buckets and grinders

inside the truck. I hear the smashing of broken glass when they throw that bin in and it always makes me wince.

From there, the various items are separated and taken to the local depot. The glass, for instance, is broken down and melted, then solidified into new bottles. So every glass bottle I see is made up of a million glass bottles, each of which was made up of a million glass bottles... Hard to get my head around.

Good for All

Every council is fined if they don't recycle. So basically, it's cheaper, environmentally friendly, and a good idea in about every possible way. ❖



Helena is a student at Godolphin and Latymer school in London

Bright New Ideas

By Anthony K.

Lindsay Webber was brought up to use everything. Ever since she was a little girl, she had always helped the environment.

Since her family did not have a dryer, she used a clothesline instead. That way, drying clothes is much

more eco-friendly than using a dryer.

When Lindsay was in junior high, she started to think about doing more to save the environment. Just recently, the CMA asked her to make an exhibit on making smarter choices.

In this exhibit, Lindsay put on display a studded owl made out of plastic bottles. She also included a shoelace made out of bottles.

Maybe someday you could do like Lindsay and help the environment too! ❖



<http://office.microsoft.com/en-us/images/>



Author Joel Harper

Author Joel Harper

By Diana K.

Joel Harper is an author who wrote a book called *All The Way to the Ocean*. The reason he wrote this book is he loves animals and he wanted everyone to take care of the ocean, because it is in danger.

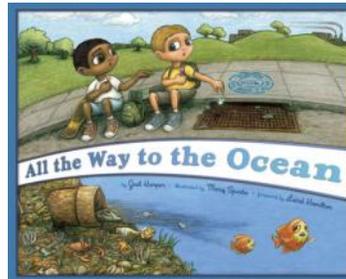
This book is about trash in the ocean and it teaches kids to pick up trash. The purpose of this book is to educate

and inspire kids to clean up the storm drain pollution.

It took Joel Harper eight years to write this

book. It was illustrated by Marq Spusta. Also, this book was made out of recycled paper and soy ink.

I like this book because it was colorful and descriptive. This book is very interesting. I hope someday you will get to read this wonderful, entertaining, and exciting book. ❖



All The Way to the Ocean

Continued from page 1

danger from pollution. He hated to see this happen because he absolutely loves the beach. Joel used to spend

weekend after weekend splashing in the waves of the sea. So, Joel is glad to see he has published a book that can help the Earth. Joel even got the idea to make the books

out of recycled paper and soy ink- all splendidly decorated with pictures my Marq Spusta.

So, pick up trash, don't litter, and save the Earth! ❖



Come Visit the CMA Library

By Cecily Thomas, *Library Curator, Cabrillo Marine Aquarium Library and Librarian II, Los Angeles Public Library*

Come help us celebrate the 6th anniversary of the opening of the Virginia Reid Moore Marine Research Library at the Cabrillo Marine Aquarium with stories, crafts and other activities.

This is a free event open to everyone. It will be held on Saturday, August 6, 2011, from 10:00 a.m. to 4:00 p.m.

We'll look forward to seeing the *CMA Kids News* reporters at the July 30th writing workshop in the

CMA library. This free program is open to all third, fourth and fifth graders. If sign-ups are full at signupgenius.com/go/cmakids6, sign up on the waiting list, and a second summer writing workshop may be added. ❖

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