

Save the Date for Taste of the Harbor



Maia Negre's Ocean Images



Secretly Mapping the Sea Floor

# odyssey NEWS

## Crab Pots Bring the Ocean to Life for Kids at OSO *Can you help us replace our pots?*

BY LAURA BARNES WALKER, EDUCATION COORDINATOR



*OSO crew from L to R, Keith Dahlin, Laura Barnes and Mike Egan, deploying the crab pot off Main Beach.*

Last fall, Jack O'Neill had a great idea; he wanted include live creatures from the kelp forest in OSO's ecology curriculum. His idea was to drop a baited crab pot near the kelp forest and pull it up to show the creatures to each class. As the education coordinator of OSO, I thought it was a great idea that would bring the ocean to life for our students. Therefore, I applied for a scientific collection permit through the California Department of Fish and Wildlife (CDFW), which would allow us to legally collect live samples for educational purposes. Our scientific collection permit

was approved in March 2013 and OSO purchased two crab pots so that we could immediately begin our new activities.

We planned to have two baited crab pots near the kelp forest off Main Beach so that we could pull the pots twice a day, once for each OSO class. We would put the animals we collected into a container of seawater which would serve as a mobile touch tank for the kids. The agreement with the CDFW was that all samples would be returned to the habitat alive and healthy within hours of collection.

The plan worked perfectly and the first time we pulled a pot we retrieved an octopus to show to the kids. Over the next few months we collected and returned Pacific sea stars, Bat Stars, Dungeness crabs, decorator crabs, and red rock crabs. The kids loved it and were excited to see and touch the animals that we were discussing in the ecology station.

Unfortunately, in May, one of our crab pots disappeared from the kelp forest over a busy holiday weekend. In June the other pot also vanished. Both crab pots were labeled with the catamaran's documentation, #659643, but neither one was returned to us. Theft of recreational and commercial crab pots is rampant on

the central coast, and although we have no way of knowing whether they were stolen or just washed ashore, the outcome is that we lost our ability to take samples.

OSO would like to continue to provide this new educational activity for the kids, but we need new crab pots. If anyone has a legal crab pot to donate to our program or if anyone sees our crab pot please contact Laura Barnes at **831-475-1561** or at **lbarnes@oneillseaodyssey.org**. Thank you for your support! ♦



*Kids get to see and touch real animals from the bottom of the kelp forest.*



# Thank You

April - June 2013 Contributors

*(Accumulated Giving)*

## SUPPORTER

Catherine Steffen  
John Holt  
Kelly Green—In Honor of Mike Arenson  
Rosemary Brogan & Gary Caballero

## CREW MEMBER

Amica Companies Foundation  
Carol Fuller  
Charles & Andrea Izenstark  
Charles & Diane Abraham  
Jan & Margaret Ysselstein  
Mary Sunseri

## NAVIGATOR

Mike Morton & Nancy Lewis  
Nick & Ruth Royal

## CAPTAIN'S CIRCLE

Alex Maixner  
Dick & Marion Vittitow  
Helmut Fritz  
Jim & Pat Shand  
John & Bev Lane  
Maia Negre  
Phyllis & Bruce Rosenblum  
Rowland & Patricia Rebele  
Vino Tabi  
William & Elizabeth Engelman

## COMMODORE'S CIRCLE

Alicia & Merrill Newman  
Bob & Carol Simpkins  
Brian Foss  
Colleen Nevins & Joe Ayer—In Memory of Max Nevins  
Craig L. & Harriet Isom Miller Fund  
Dixie Rees  
Laura & Marc Grossman  
Marcella & Joe Hall  
Reed & Tricia Geisreiter

## ADMIRAL'S CIRCLE

Denny & R.N. Smith - In Memory of Arlene Smith  
Edelgard Heine  
Familia Center  
Jack McLaughlin  
Mary & Tim Haifley  
Mike & Anne McCabe  
Nancy Buck Ransom Foundation  
Randall & Cynthia Pond  
Sigma Alpha of Omega Nu Charity  
The Nicholson Family Foundation  
United Way of Santa Cruz County

## DIRECTOR'S CIRCLE

City of Capitola  
Comerica Bank  
East Bay Community Foundation Anonymous Fund  
Jim & Debbie Thoits  
Wells Fargo Foundation

## CHAIR'S CIRCLE

City of Santa Cruz  
City of Watsonville  
County of Santa Cruz  
Monterey Peninsula Foundation

## JACK'S CIRCLE

The David & Lucile Packard Foundation

## ADAM WEBSTER MEMORIAL FUND

Ydali Lozano

## CHRIS TURY MEMORIAL FUND

Ann Coulter  
Anne Baetz  
Bill DeGraff  
Creedence Shaw  
Diane Ellsworth  
Eva Silverman  
John White  
Kathy Gallagher  
Marilyn Latorraca  
Norman & Marion Atwater  
Peter Gillespie  
Reed & Tricia Geisreiter  
Stephanie Yonkers  
Tim & Holly Koopmans

## IN-KIND

Bonny Doon Vineyard  
Bryce & Margarite Reynolds  
Cruzio  
McCabe & Totah  
Santa Cruz Seaside Company  
Team O'Neill  
Whole Foods

## BOARD OF DIRECTORS

**Jack O'Neill, Founder & Co-Chair**  
**Bridget O'Neill, Chair**  
**Tim O'Neill**  
**James Beckett, M.D.**  
**Donna Blitzer**  
**Rob Bremner**  
**Mike McCabe**  
**Jack McLaughlin, Ph.D.**  
**Nick Petredis**  
**Jim Thoits**

## STAFF

**Dan Haifley, Executive Director**  
**Laura Barnes Walker, Education Coordinator**  
**Adam Steckley, Operations Coordinator**  
**Tim O'Neill & Mike Egan, Skippers**

## INSTRUCTORS

**Laura Barnes Walker**  
**Nikki Brooks**  
**Keith Dahlin**  
**Darren Gertler**  
**Lauren Hanneman**  
**Celia Lara**  
**Savannah Shaughnessy**  
**Adam Steckley**

## ADVISORY BOARD

**Stephany Aguilar, Councilmember,**  
City of Scotts Valley

**Jeff Almquist, Judge, Santa Cruz County**  
Superior Court

**Blanca Alvarado, Santa Clara County Board**  
of Supervisors (ret.)

**Albert Aramburu, Marin County Board**  
of Supervisors (ret.); Director, California  
Conservation Corps (ret.)

**Bruce Arthur, Capitola City Council (ret.)**

**Cliff Barrett, Scotts Valley City Council (ret.)**

**Celeste Basuino-Alvarez, VP/Senior Financial**  
Advisor, UnionBanc Investment Services LLC

**Steve Belcher, Retired Chief of Police,**  
City of Santa Cruz

**Jess Brown, Executive Director, Santa Cruz**  
County Farm Bureau

**Harry Edwards, Ph.D., City of Oakland Parks**  
and Recreation Director (ret.)

**Sam Farr, U.S. House of Representatives, District 17**

**Tim Fitzmaurice, Santa Cruz City Council (ret.)**

**Sister Julie Hyer, O.P., Dominican Hospital**  
President (ret.); Salud Para La Gente  
President (ret.)

**David Jochim, Sr. VP & Manager,**  
Union Bank of California

**Carl Keehn, Chief Financial Officer,**  
O'Neill Australia

**Robert F. Kennedy, Jr., President,**  
Waterkeeper Alliance

**John Laird, California Secretary of Resources**

**Bob Lee, Santa Cruz County**  
District Attorney

**Rafael Lopez, Watsonville City Council (ret.)**

## Taste of the Harbor 2013: Save The Date!



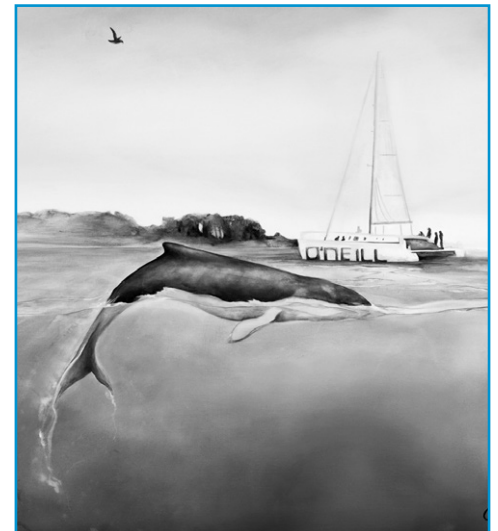
It's getting to be that time of year again down at the Santa Cruz Harbor! Taste of the Harbor, happening September 17th, will be celebrating its 6th year with the band Extra Large, amazing food from local restaurants, an exciting live auction and raffle, and an overall great time! Better yet, the Intero Foundation will be donating all proceeds to O'Neill Sea Odyssey. Be sure to mark your calendars now for this great event hosted by Intero – Santa Cruz Harbor, and get prepared to have a marvelous time! ♦

## Maia Negre's Ocean Images

Artist Maia Negre recently had the opportunity to ride along with students on an O'Neill Sea Odyssey field trip and witness the educational experience available to low income children. Inspired by this program, she has now partnered with OSO to increase ocean awareness, and help raise money for their nonprofit organization. Maia's artwork is driven by her connection and affinity for the ocean, and her work has long served as a natural expression for promoting awareness and preservation of the ocean and the environment.

Maia Negre has painted a "Living Sea" art series inspired by her experience on the OSO program, and beautifully captures and conveys the life hidden within the ocean. One of her paintings was inspired by the iconic photograph taken by Steve Lawson in October of 2011. Lawson captured a photograph of a 35- to 40-foot humpback whale surfacing just 20 feet from the O'Neill Sea Odyssey with students on board. Maia's interpretation of that moment reveals the rest of the image and the Living Sea hidden beneath the water. Other images

*Maia Negre's beautiful recreation of a photo taken of the Team O'Neill catamaran with a breaching humpback whale in 2011.*



in the Living Sea series include a painting of a sea otter, kelp, and dolphins. Maia Negre will be donating proceeds from the sales of her "Living Sea" art series to OSO. The donations will help support the OSO's education program. Art prints of the "Living Sea" series are currently on display at the OSO offices and will be available for sale through both the OSO, and Maia Negre Fine Art & Design websites. Select original art pieces from this series will be sold to benefit the program. ♦

**Terry Medina**, Retired Chief of Police,  
Watsonville Police Department

**Harvey J. Nickelson**, President/CEO, Coast  
Commercial Bank (ret.)

**Ellen Pirie**, Santa Cruz County Supervisor

**Emily Reilly**, Santa Cruz City Council (ret.)

**Mike Rotkin**, Santa Cruz Mayor and  
Councilmember (ret.)

**Simon Salinas**, Monterey County Board  
of Supervisors

**Joe Simitian**, California State  
Senate, 11th District

**Bill Simpkins**, Community Volunteer,  
Boat Owner

**Robert Stephens**, President, California  
Audubon; Owner, Elkhorn Native  
Plant Nursery

**Mark Tracy**, Santa Cruz County Sheriff-  
Coroner (ret.)

our future by establishing a permanent endowment fund for OSO which is housed at the Community Foundation for Santa Cruz County.

We would like to invite you to help us build a future foundation for our program, for the kids, and for the ocean. You can do this by naming OSO's permanent fund at Community Foundation of Santa Cruz County in your estate plan. There are also many ways to leave a permanent legacy and reap some significant financial benefits before hand, including: a beneficiary designation in your retirement fund or insurance policy, gifts from a will or living trust, an annuity that provides you with lifetime income, gifts of real estate, and charitable trusts.

We would be honored to meet with you to discuss supporting our permanent fund in a way that works best for you. Please contact Dan Haifley at **(831) 465-9390** or at **[dhaifley@oneillseaodyssey.org](mailto:dhaifley@oneillseaodyssey.org)**, or fill out the attached form and mail it to us. Thank you! ♦

## Leave a Legacy for Youth and the Ocean

**Y**ou're part of the reason we're here and you can also be part of the reason we'll be here 100 years from now. Since 1996, O'Neill Sea Odyssey (OSO) has served nearly 75,000 youth with a free, ocean-going science and environment program.

This has been possible in part because you have provided much-needed and deeply appreciated support for OSO's program for area youth. In 2005 OSO's Board of Directors made a commitment to raise funds to ensure

### Enrollment Form

- I have named OSO in my estate plan (we will contact you relative to recognition)
- I would like to talk to someone about a gift to OSO in my estate plan
- I wish to learn more about the OSO/Community Foundation's gift annuity program
- I would like the recommended language for including OSO in my estate plan

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone (day): \_\_\_\_\_ Telephone (evening): \_\_\_\_\_

Email: \_\_\_\_\_

Please send to OSO, 2222 East Cliff Drive, Suite 222; Santa Cruz, CA 95062

## Why Bus Transportation Funding is Important

BY JACK, BRIDGET & TIM O'NEILL



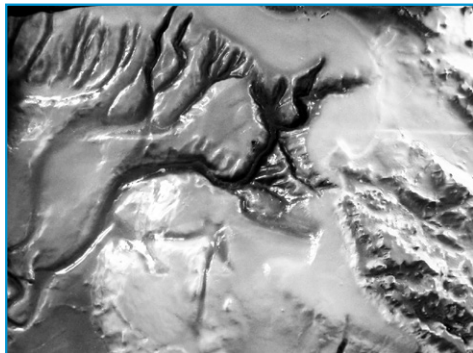
**A**s schools become harder pressed for money, funding for transportation for field trips has become scarce, especially in lower-income schools. In order to enable many school classes to participate in O'Neill Sea Odyssey's free program we are now providing scholarships for bus transportation.

OSO began providing bus transportation grants to lower income schools in 2006 when a donor heard that some schools could not participate in our free field trip because they could not afford a bus to get to OSO at the Santa Cruz Harbor. Since 2010, an increasing number of teachers whose classes participate in the OSO program have requested transportation assistance due to school budget cuts and the economy. Having transportation funding is also effective in the recruitment of classes from lower income schools by removing a barrier to ocean-going, environmental learning.

Teachers apply to OSO for bus transportation grants under the "Transportation Scholarships" section of OSO's website. The teacher is instructed by OSO's Education Coordinator to select the most affordable bus and OSO will reimburse the school district. OSO has been successful at encouraging classes from the same school to come on the same day and share a bus, saving money. In the meantime, bus transportation is another item for which OSO must raise funds. ♦

## Our Ocean Backyard: Secretly Mapping the Sea Floor

BY DAN HAIFLEY, EXECUTIVE DIRECTOR



**O**cean covers 72% of the earth and beneath its waters hosting creatures as large as Blue whales and microscopic as plankton is a landscape of mountains, valleys and large plains.

The Monterey Bay National Marine Sanctuary between Marin and northern San Luis Obispo County for instance has the Monterey Bay Submarine canyon that plunges a mile beneath the bay floor and the Davidson Seamount, nearly 7,500 feet tall though its peak is 4,000 feet below the water's surface.

Only about 10% of the ocean floor is mapped with the precision that dry land is. Anyone with access to the internet can find maps developed with methods that have evolved in sophistication since the 1800s, from line and sinker to sophisticated sonar. Some work has been done by private institutions and government agencies charged with ocean management.

But some was done in secret by the United States military including the period known as the "cold war" between the United States and the Soviet Union that started after World War II and ended when the former collapsed in 1991. The Navy's involvement started in 1849, producing maps of the North Atlantic by 1853, and international charts that were published in 1905. The military's mapping slowed during World War II but was re-engaged in the late 1940s. Sea floor maps provided strategic information for both the US and Soviet Union in the case of, for example,

submarines which were equipped with long-range nuclear missiles.

Terri Morgan, an author and journalist who occasionally writes for the Santa Cruz Sentinel, credits the work done in secret by her late father Joseph Morgan and others in the Navy as advancing our understanding of the ocean and the sea floor. "Since most of the projects my dad was involved in were during the cold war, a lot of his work was classified. So it's difficult to find a lot to verify the family stories. But the gist of it all is that the Navy did do a lot of ocean floor mapping during the cold war."

After Joseph Morgan participated in the effort to map the Atlantic he was transferred to the Pacific where his focus was on tracking Soviet submarines. Terri Morgan remembers "There was a series of naval stations along the coast, including Centerville Beach, where he was stationed in 1968 and 1969, Point Sur, and Coos Bay Oregon that were involved in the same project."

Joseph Morgan retired as a Captain in the Navy in 1974. His daughter says he embarked on a second career as a professor at the University of Hawaii and worked on several books. "His works included The Atlas for Marine Policy in the Southeast Asian Sea which includes maps that focus on the seafloor and not the continents," she told me. "He also worked on the Ocean Yearbook. He never lost his fascination with the ocean."

"Like most military innovations, war was a good motivator for advancing technology," she concluded. The internet, which itself has origins in a Department of Defense project, made large amounts of data readily available worldwide. The internet search engine Google launched Google Earth which now includes sea floor images based on work done by people such as Joseph Morgan.

To learn how sea floor mapping has evolved over the years, go to: [tinyurl.com/yajrcnd](http://tinyurl.com/yajrcnd).

*This column appeared in the Santa Cruz Sentinel on July 6, 2013.* ◆



### Autographed Copy of Jack O'Neill: It's Always Summer on the Inside

**F**ull of unique, personal stories and photos of the life and times of Jack O'Neill, this beautiful 250 page coffee table book is a rarity, but when coupled with his autograph...wow. With a \$500 donation to the O'Neill Sea Odyssey, you will receive one of these unique books, complete with a letter of authenticity. Originally, this book was sold at retail stores for \$40 and even more than that online. Hurry, because there are just a few remaining! Donate at [www.oneillseaodyssey.org](http://www.oneillseaodyssey.org) ◆

### Ocean Odysseys: Jack O'Neill, Dan Haifley and the Monterey Bay National Marine Sanctuary

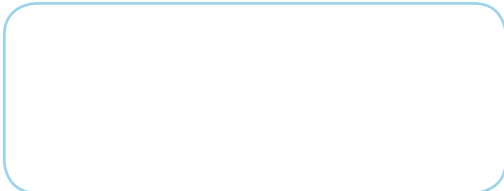
**A**n edited oral history of Save Our Shores and O'Neill Sea Odyssey, as told through the eyes of Jack O'Neill, Bridget O'Neill and Dan Haifley has been published in a 156 page paperback by the University of California Santa Cruz. The book retails for \$7.95. Purchase at [www.oneillseaodyssey.org](http://www.oneillseaodyssey.org) ◆



ADDRESS SERVICE REQUESTED

NON PROFIT ORG.  
U.S. POSTAGE  
**PAID**  
SANTA CRUZ, CA  
PERMIT NO. 550

2222 East Cliff Drive #222  
Santa Cruz, CA 95062



## Reflections from Our Students

**O**SO receives hundreds of thank you letters from our students each year. Some are funny, some are touching and many reflect the level of knowledge that students have retained after participating in our program. We hope that you enjoy these messages from our budding marine scientists!

Dear Sea Odyssey,

Thank you for teaching us all about the ocean and how we can take care of it. Also about what animals are endangered and need to be saved. I also want to tell you thank you for offering this field trip for free so we can learn about things that can kill animals. I had a lot of fun with you guys, this was a learning experience! You guys made learning fun, so thank you.

Sincerely,  
Jessica, Sunrise Middle School

Dear Sea Odyssey Instructors,

Thank you for teaching us new stuff about the ocean. I like it when we learned about

*how much trash, oil and recycling is in the ocean. My favorite part was when I saw a seal and plankton. I had a wonderful time.*

Sincerely,  
Ayanna, Valencia Elementary

Dear Mike, Laura, Celia and Darren,

Thank you Sea Odyssey for the interesting and educational teaching lesson of Marine Ecology, Marine Biology and Navigation. I learned a lot more about the ocean than usual. I found it very fun to ride on the O'Neill yacht. I love lying down on the net. I hope in life to become a marine biologist when I'm older.

Sincerely,  
Mason, Olson Elementary

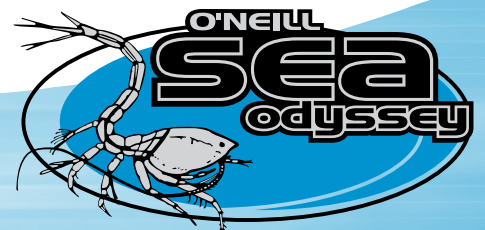
Dear Sea Odyssey,

Thank you for offering us this free field trip! I had so much fun I wish I could come again and again (which I might). Thank you Laura for saying I'm an excellent navigator. I will try to become one like you! Thank you to all of you that taught us wonderful things. I will miss you all.

Sincerely,  
Mushan, Sunrise Middle School



Thanks to OSO Board Member Jack McLaughlin and PCG Surfing for their generous donation to OSO.



Summer 2013