

Quarterly Membership Publication of the Friends of the Waikiki Aquarium

2018 OCTOBER / NOVEMBER / DECEMBER

Remembering Dr. Ruth Gates

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***** FRIENDS OF THE WAIKĪKĪ AQUARIUM



Dear friends,

As we approach the holiday season, I wanted to take a moment to thank our treasured members for their invaluable support this year. It is only

through your generosity and shared love of the Waikiki Aquarium that we are able to promote understanding, appreciation and conservation of Pacific marine life. We enjoyed a festive and eventful summer at the Aquarium, and look forward to creating new memories to close out the year.

One of the highlights of the summer season was, of course, Ke Kani O Ke Kai! In August we wrapped up another successful Ke Kani O Ke Kai summer concert series, delighting residents and visitors alike with live music and food under the stars. Concert-goers enjoyed memorable performances by some of Hawaii's favorite artists, including Kimié Miner, Kalani Pe'a, Amy Hānaiali'i Gilliom, Keauhou and many others. Thank you for your continued support of not only our summer concert series but of all our programs and events!

Looking toward the new year, we are thrilled to roll out our new membership program, slated to launch in January 2019. This new program will reflect a more streamlined framework for membership categories while introducing new and exciting benefits for members to enjoy. The Board and staff have been hard at work developing this program, and we're proud to see our efforts come to fruition.

Speaking of membership, we look forward to seeing you all at the Annual Membership Meeting and Members' Night on Saturday, November 17! Join us in the Aquarium Classroom for the meeting at 5:00 PM, then stay for our celebration of all things Aquarium starting at 5:30 PM. Enjoy a picnic on the lawn with delicious food courtesy of Tanioka's Seafoods and Catering. New this year, our friends at Temari Hawai'i will also be-on site offering hands-on art activites for keiki and adults alike, including gyotaku, suminagashi and printing with bamboo ohe kapala stamps. Members' Night is free for FOWA members, \$8 for adults and \$5 for children (ages 4-12). Mark your calendars and we hope to see you there!

Thank you to our donors, members, friends and staff for your unwavering support of the Waikiki Aquarium. I treasure the opportunity to be a part of the Aquarium's rich history in Hawaii, and look forward to seeing what the future holds!

Keane Akao,

Executive Director, Friends of the Waikiki Aquarium





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2018 OCTOBER / NOVEMBER / DECEMBER

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MANA'O

Traditionally, the kilo i'a was an expert of fish and marine life. He studied the behaviors and movements of i'a. The kilo stood at a high point of land overlooking the ocean to watch for an expected school of fish and steered the fishermen in the school's direction. The success of surrounding the school was entirely up to the kilo.

We've certainly experienced a very eventful summer season here at the Waikiki Aguarium. While we enjoyed making wonderful memories with our visitors from around the world, we also felt the effects of saving a painful goodbye to a very special member of the Aquarium family—Maka onaona, better known simply as "Maka," one of our resident Hawaiian monk seals.

On Monday, September 3, Maka passed away peacefully from natural causes. He was 34 years of age, around 100 years in human terms, and lived a rich and fulfilling life during his time with us.

Maka came to the Waikiki Aquarium in the summer of 1984 from French Frigate Shoals, after being abandoned by his mother at three weeks old. Weighing a mere 60 pounds, Maka would not have survived had he not been brought to the Aquarium and given special care. Maka grew, reaching about 7 feet in length and weighing between 350 and 390 pounds, and at 34 years old, he far exceeded the

17-year average lifespan of Hawaiian monk seals in the wild. Indeed, Maka holds the record for the oldest known Hawaiian monk seal anywhere.

A true ambassador for his species, Maka was a favorite among our visitors and staff, and he will be greatly missed.

A summer recap wouldn't be complete without reference to the recent Hurricanes Lane and Olivia that passed through the Hawaiian Islands. While Oahu and Kauai were spared a direct hit, our thoughts were with the people of Hawaii Island and Maui who endured much of the storms' effects. At the Aquarium, we closely monitored the storms' progress while ensuring all the appropriate steps were taken to ensure the safety of the marine life under our care. We hope you made some happy memories at the Waikiki Aquarium this summer, and we look forward to seeing you again soon!

Dr. Andrew Rossiter, Director, Waikiki Aquarium

WWW UPCOMING EVENTS

Members' Night

Come down to the Waikiki Aquarium on Saturday, November 17 from 5:30 to 9:00 PM for the annual Members' Night event, a celebration of all things Aquarium. Following the FOWA Annual Meeting at 5:00 PM, members are invited to indulge in a picnic on the lawn during this cool fall evening, with delicious food courtesy of Tanioka's Seafoods and Catering. Then enjoy festivities and fun for the whole family, complete with games, activity booths, Hawaiian crafts and more! Temari Hawaii will be on-site offering hands-on art activities like printing with bamboo ohe kapala stamps, suminagashi (swirling waves of ink on paper or fabric) and gyotaku (fish printing on paper or fabric).

Admission to the annual Members' Night event is free for FOWA members, \$8 per adult and \$5 per child (ages 4-12).



Catch and Release Seminar

On Monday, November 26 from 3:30 to 4:30 PM, the Waikiki Aquarium is proud to Edward Lyman for a presentation titled "Catch and Release: Large Whale Entanglement Response in Hawaii."

Lyman, the Hawaiian Islands Humpback Whale National Marine Sanctuary's Large Whale Entanglement Response Coordinator, has helped disentangle more than 100 whales and other marine animals over the past 23 years. He will describe the difficult and sometimes dangerous task of disentangling 40-ton, likely free-swimming whales from life-threatening entanglements using techniques modified from those used to catch large fish, or used historically by whalers to kill the animals.

Over the years, more than 20 large whales have been entirely or partially freed of entangling gear in Hawaii. The effort is coordinated by the Sanctuary, working under NOAA Fisheries' Marine Mammal Health and Stranding Response Program, and includes sanctuary partners and the on-water community. Successful disentanglements occur when a community-based network works closely with experienced responders to free the animals and, at the same time, gain valuable information that might mitigate the threat and its broad impacts on the future.

························· TEAM SPOTLIGHTS ·····

Celebrating Our Teen Interpreters

We're pleased to shine the spotlight on our fantastic group of Teen Interpreters. These young marine enthusiasts love sharing their passion for Hawaii's underwater paradise with residents and visitors alike, and we're so happy to have them as part of the Waikiki Aquarium team.

The Aquarium Teen Interpreter Program is a unique opportunity for Hawaii's high school students to share their love and knowledge of Hawaiian marine life with visitors from around the world. Though the program is only offered in July, many Teen Interpreters find themselves returning to the Aquarium in a variety of volunteer roles, still sharing their enthusiasm with visitors long after the program ends.

On Wednesday, October 10 from 10 AM to 1 PM, a group of Teen Interpreters celebrated Cephalopod Awareness Week with a special information booth at the Waikiki Aquarium. Mahalo to everyone who came down to the Aquarium for activities, games and more!

For more information on becoming a Teen Interpreter, please visit www.waikikiaquarium.org/support/volunteer.





Welcome Monica Salter!

The Friends of Waikiki Aquarium is pleased to announce Monica Salter, vice president of corporate communications at Outrigger Enterprises Group, as its newest board member! Salter will be instrumental in sustaining and garnering new members while supporting Waikiki Aquarium's mission to inspire and promote understanding, appreciation and conservation of Pacific marine life. An active member in the local community, Salter currently directs the global communications strategy for Outrigger's properties and oversees the OZONE corporate conservation initiative. She is also a board member for Outrigger Duke Kahanamoku Foundation and a member of Women in Lodging & Tourism, Hawaii chapter.

****REMEMBERING MAKA ONAONA*********

On Monday, September 3, we said goodbye to our beloved Maka onaona. The Waikiki Aquarium's resident Hawaiian monk seal passed away peacefully from natural causes at the age of 34 years old, around 100 years in human terms.

Taking his name from the Hawaiian translation of "soft or gentle eyes," Maka onaona was brought in from French Frigate Shoals in the summer of 1984. Having been abandoned by his mother at three weeks old, Maka weighed only 60 pounds. Because he'd been weaned early, abandoned or orphaned, he likely wouldn't have survived had he not been brought to the Aquarium to receive special care.

As the oldest known Hawaiian monk seal, Maka's lifespan far exceeded the average 17 years of his counterparts. As an adult male, Maka was about 7 feet long and weighed around 350-390 pounds.

Maka was a true ambassador for the Hawaiian monk seal species, which is endemic to Hawai'i and found nowhere else in the world. Monk seals are naturally solitary creatures, and spend about a third of their lifetimes resting on shore. They are known to feed on octopus, lobster and reef fish, among others. Currently listed as a critically endangered species, it is of utmost importance to protect and preserve Hawaiian monk seals like Maka.

Maka onaona was a favorite among the Aquarium staff and visitors alike, and he will be greatly missed.











RECENT EVENTS ***

5th Annual Hawaii Shorts Film Festival

On Saturday, August 21, the Waikiki Aquarium welcomed movie enthusiasts for opening night of the 5th Annual Hawaii Shorts International Film Festival. Guests enjoyed a picnic on the lawn under the stars while viewing the best in animation, family friendly comedies and thought-provoking documentaries. This event was sponsored in part by the Department of Business, Economic Development & Tourism, Creative Strategies Branch.

Little Planet Exhibit

From July 20 through the end of September, the Waikiki Aquarium transformed into a virtual theme park with the launch of "Lea Lea Little Planet," a spectacular digital exhibit that delighted visitors and kamaaina alike. In addition to the regular Aquarium visitors, we welcomed thousands of guests who experienced the virtual reality exhibit. Activities included a mysterious coloring that drew fish in a digital aquarium, a futuristic augmented reality (AR) sand castle, and digital graffiti.



Hawaii Public Radio Fall Pledge Drive

The Friends of Waikiki Aquarium was proud to support the Hawaii Public Radio Fall Pledge Drive on Friday, September 28 in the Atherton Performing Arts Studio.

Pictured left to right: Anne Tam, Dave White (FOWA Board Member), Victoria Ann Scott, Keane Akao (FOWA Executive Director), Millie Ng, Nicole Makar and Wendy Lagareta.

36th Annual Hawaiian Slack Key Guitar Festival

On Saturday, August 11, the Waikiki Aquarium opened its doors to more than 600 guests for the 36th Annual Hawaiian Slack Key Guitar Festival. Hosted by the Ki-hoʻalu Foundation, the festival featured enthralling performances by Hawaii's best slack key guitar artists as well as local arts and crafts, delicious food and soft drinks.

Family Night

The reef truly came to life on Friday, August 31 at the Waikiki Aquarium's annual Family Night event! In line with the theme of "The Living Reef," guests enjoyed hands-on activities, games and adaptation stations that showcased the many zones of the ocean and the unique animals that thrive there. Keiki and parents alike also had the opportunity to interact with various intertidal animals like sea stars, hermit crabs, periwinkle and more!











World-renowned researcher, conservationist and marine biologist

he Waikiki Aquarium recently lost a dear friend of the organization and champion of the ocean. Born in Akrotiri, Cyprus on March 28, 1962, celebrated marine biologist Dr. Ruth Gates knew from an early age that she wanted to study coral reefs. But who could have known her childhood passion would lead her on a journey to another remote island—the island of Oʻahu, Hawaiʻi? It is here where Dr. Gates made her home, tirelessly fighting to save the ocean's coral reefs until her passing on October 25, 2018.

As one of the world's foremost advocates for coral reef propagation, Dr. Gates was truly an environmental pioneer unlike any other. Growing up, she was enthralled by the televised journeys of adventurer Jacques Cousteau, and cultivated what she's described as "utmost respect for corals." Environmental changes and the rise in global warming stoked her childhood passion, as she traveled from Cyprus to England, Los Angeles to Honolulu.

After spending most of her childhood at a Kent boarding school, Dr. Gates received her bachelor's degree (and later her doctorate) in marine biology from Newcastle University upon Tyne. She served as an assistant researcher at University of California, Los Angeles from 1990 to 2002 before traveling to Honolulu to join the University of Hawai'i at Manoa and open her own lab.

Dr. Gates is best known for winning the Paul G. Allen Ocean Challenge in 2013, along with her colleague Madeleine van Oppen. The Paul G. Allen Family Foundation had offered \$10,000 to a winning proposal that sought to assuage the impact that a warmer and more acidic ocean was having on coral reefs. Her winning proposal detailed the plan she'd developed with van Oppen to develop resilient "super corals" that could withstand the devastating impacts of climate change. She later received a \$4 million grant over a five-year period from the same foundation to pursue this project.

A few of her notable accolades include the ARCS Foundation Scientist of the Year 2015 award; the University of Victoria, Canada's 2015 Distinguished Woman Scholar award; and the UH Board of Regents' Medal for Excellence in Research. She also published over 100 peer-reviewed scientific articles, and has a prominent presence in the 2017 Netflix documentary titled "Chasing Coral."

As an educator, Dr. Gates was praised for the passion, enthusiasm and courage she brought to her role. Despite the largess of the mission she'd chosen to undertake, Dr. Gates always made time for her students and fellow researchers, and gave of this time generously.

Though her time on earth was cut heartbreakingly short, Dr. Gates certainly left a lasting impact on the field of marine biology, never deviating from her mission to save coral reefs, and thus, one of the world's most valuable natural resources. She will be truly missed.

About Coral Reefs and the Waikiki Aquarium

For the last few decades, coral reefs have suffered tremendously from the effects of global warming, including rising ocean temperatures, ocean acidification, pollution, overfishing, and the spread of coral diseases.

As an international leader in coral propagation, the Waikiki Aquarium has long been respected for its expertise in coral research and conservation. We are inspired by the tireless work of pioneers like Dr. Gates, and will be opening our own live coral exhibit in January 2019.



****PARTNERSHIP SPOTLIGHT

NOAA and the Waikiki Aquarium

The National Oceanic and Atmospheric Administration's (NOAA) Office of National Marine Sanctuaries continues to acknowledge and support our over 20-year partnership with the Waikiki Aquarium.

The Sanctuaries' program was created by Congress in 1972 to protect our national marine resources for future generations. However, most of us never get to set foot in our marine sanctuaries, let alone learn about what makes them so special. In the Pacific Island Region, we have three federally protected marine areas that my program oversees—from the largest marine monument in the US (Papahanamokuakea), to the largest national marine sanctuary in the US (American Samoa) to a sanctuary focused entirely on protecting one of our most iconic marine mammals (the Humpback whale). In our own backyard, we have our very own natural treasures.

While the sanctuary program has an enforcement and research programs, it is our education programs that the Waikiki Aquarium primarily assists. The Aquarium provides the public with a window into our world of marine sanctuaries, offering one of the largest displays about Papahanamokuakea in the world. Additionally, the Aquarium has assisted NOAA with a number of activities, including "Get In Your Sanctuaries Day," teacher workshops and special lectures.

We are very grateful to the Waikiki Aquarium for their enduring partnership. Our recently signed Memorandum of agreement continues to expand and solidify our partnership, and I look forward to what we will develop next year!



- Allen Tom, National Ocean Service, Office of National Marine Sanctuaries, Regional Director, Pacific Islands Region

About Mokupāpapa Discovery Center

On Hawai'i Island, the Mokupāpapa Discovery Center for Papahānaumokuākea Marine National Monument features a 3,500 gallon saltwater aquarium with endemic fish from the Northwestern Hawaiian Islands, educational displays, interactive exhibits, and more. Each month the center hosts a craft night with a local pottery studio where participants color and glaze a custom designed marine figurine. On November 2, Hilo hosted the annual Black and White Night festival, with the Center offering live music by artists from the East Hawaii Jazz Festival, a honey tasting with more than 100 locally produced honeys, and a hula performance. In January, Papahānaumokuākea will be prominently featured at the Waimea Ocean Film Festival with screenings of the films *Albatross and Midway Edge of Tomorrow*, an exhibit, and presentations.

NATIONAL MARINE SANCTUARY SYSTEM



The Office of National Marine Sanctuaries serves as the trustee for a network of 14 marine protected areas encompassing more than 170,000 square miles of marine and Great Lakes waters from Washington state to the Florida Keys, and from Lake Huron to American Samoa. The network includes a system of 13 national marine sanctuaries and the Papahānaumokuākea Marine National Monument.

Find us at: http://sanctuaries.noaa.gov/about/welcome.html



CLASSES & ACTIVITIES

BEHIND THE SCENES

Fridays at 3:00 PM

Learn more about how our staff and volunteers care for our exhibits and animals with a behind-the-scenes tour! Peek behind the glass to inspect the tanks, then visit the Coral Farm and the Jelly Hale, where sea jellies are raised. Accessibility is limited. Minimum age: 7 years; youngsters must be accompanied by an adult. Members: \$9.60 for adults and \$6 for children ages 7-12 (Non-members: \$16 for adults and \$10 for children ages 7-12, plus Aquarium admission).

AFTERNOONS AT THE AQUARIUM

Wednesdays at 3:00PM

Join the Aquarium for an interactive learning activity near the Aquaculture Deck. Free with Aquarium admission.

AQUARIUM'S TOP 5

Wednesdays at Noon

Learn more about the oldest giant clam in captivity, those weird and wonderful seahorses, and fish unique to the Aquarium during this short presentation, free with Aquarium admission.

HAWAIIAN REEF ANIMALS

Thursdays at 10 a.m.

Get up-close to the animals on a Hawaiian Reef. Learn about common reef animals like corals, sea stars, sea cucumber and urchins, and the fish you see snorkeling. Includes access to animals not on exhibit. For marine enthusiasts ages 4 and up. \$2 per person with Aquarium admission.

EXPLORING THE REEF AT NIGHT

Tuesday, December 4, 6:30 to 8:30 PM Thursday, December 20, 6:30 to 8:30 PM Friday, January 4, 7:00 to 9:00 PM

Calling all thrill-seekers! Search for night-active crabs, lobsters and eels, then look for sleeping parrotfishes, triggerfishes and day octopuses in their dens. Participants should be comfortable in the ocean, day and night. Minimum age: 6 years; youngsters must be accompanied by an adult. Members: \$15 for adults and \$10 for children ages 7-12 (Non-members: \$20 for adults and \$15 for children).

Register online at www.waikikiaquarium.org/interact/activities-classes/





BEASH SEEDING

Mahalo to the over 200 volunteers who joined us at our Ala Moana Beach Cleanup event! On Sunday, September 16 from 8:30 to 10:30 AM, we took to the park and beach shores to remove trash, plastics and other harmful debris from the Kewalo Basin side of Ala Moana Beach. In addition to working together to keep our ocean clean and healthy, volunteers also enjoyed delicious free cookies, as well as the chance to win some amazing prizes courtesy of Hard Rock Cafe Honolulu.

In partnership with the City & County of Honolulu and Hard Rock Cafe Honolulu, the Waikiki Aquarium hosted the beach cleanup in an effort to keep our ocean clean and litter-free while reducing our Single-Use Disposable Plastics (SUDs) footprint. In line with the ongoing movement to reduce SUDs and protect our environment, the Aquarium continues to host beach cleanup events around the island, working closely with wonderful partners like Hard Rock Cafe Honolulu to make them happen.

If you weren't able to join us at the last beach cleanup but still want to do your part to keep our ocean clean, check out these easy tips to reduce waste in your everyday life:

- Stop using plastic straws, even in restaurants. If a straw is a must, buy a reusable stainless steel or glass straw.
- Use a reusable grocery bag. A single plastic bag can take 1,000 years to degrade. Buy or make your own reusable grocery bag and remember to wash it often!
- Purchase food like cereal, pasta and rice from bulk bins and fill a reusable bag or container. This is an easy way to save money and unnecessary packaging.
- Pack your lunch in reusable containers and bags. Also, opt for fresh fruits and veggies and bulk items rather than products that come in single-serving cups.











The Moorish Idol

o many ocean lovers, the Moorish idol is a quintessential reef fish. This distinctive species is widely distributed in the Indo-Pacific and tropical Eastern Pacific, from East Africa to Pacific coasts of the tropical Americas. Although the Moorish idol is highly recognizable, it sometimes suffers from a case of mistaken identity. Let's see if we can clarify.

The Moorish idol is common in Hawai'i and can be found in shallow to relatively deep water (up to 600 feet). Snorkelers and divers see it often on the reef, as it swims alone or in groups of four to six individuals. Shore-based reef watchers are also quick to notice it—its striking colors show through the ocean's surface as the fish forages in rocky shallows and even boat harbors.

The Moorish idol's distinctive color pattern features an orange saddle on the upper jaw, alternating black and yellow bars on the high oval body, an elongated white dorsal fin, and black tail. The Hawaiian name, kihikihi, translated as "curves," "angular," and "zigzag," may refer both to shape and color pattern. These dramatic markings may also serve as a protective measure for the fish by creating a case of mistaken identity. Similarly, the bars of color may serve as "disruptive coloration," which breaks up the body outline and makes it harder for predators to see where the fish begins and ends. Some researchers suggest that the long, white dorsal fin may also serve to increase the fish's perceived size, so it appears larger to potential predators.

Predators, however, aren't the only ones confused by the Moorish idol's colors and shapes—humans are, too. The Moorish idol looks a lot like the Banner Butterflyfish, which showcases a similar shape and pattern. To tell them apart, look at both color differences on the head and tail as well as where they spend their time. The Moorish idol, with an orange jaw and black tail, is usually found near the seafloor and reef, while the Banner Butterflyfish, with a white jaw and yellow tail, is often found higher in the water column, feeding on plankton. And while the shape of the Moorish idol reminds many of the familiar freshwater "angelfish," the two are not related.

So what is the Moorish idol's true identity? The Moorish idol, Zanclus cornutus, is unique—the only member of the Family Zanclidae. The family name, taken from the Greek "zanclon," refers to the sickle shape of the extended dorsal fin. Moorish idols are most closely related to the surgeonfishes, sharing similar teeth, scales, and swimming style but lacking the tangs' characteristic "scalpel." However, in shape, behavior, and diet, the Moorish idol more closely resembles butterflyfishes. The omnivorous idol feeds mostly on animal material, like sponges, and extracts prey from crevices with a slightly elongated jaw. While this diet makes the species difficult to maintain, Aquarium Live Exhibits staff still find that younger fish can certainly assimilate to the gelatin food we prepare.





We welcome your donations towards a specific item on our wishlist. If you have any questions please contact MaryLou Foley at (808) 440-9027 and Keane Akao at (808) 561-1244.

RESEARCH

\$1.500 WATER QUALITY EQUIPMENT

\$7.000 MICROSCOPE AND LAB EQUIPMENT

LIVE EXHIBITS

\$13,000 ECO FRIENDLY DC PUMPS

To replace current pumps

\$23,000 UV FOR NWHI EXHIBIT

\$27,000 LEDS-BARRIER AND NWHI

> \$32,000 **HEAT EXCHANGERS**

COMMUNITY OUTREACH

\$2,500-7,500 RÁDIO AIR TIME

Promotion of Aquarium Events

\$25,000 **ENERGY EFFICIENT** AQUARIUM IDENTITY MINI SUV

GRAPHICS

\$1000 3D PRINTER

EDUCATION

\$1.000 FISH ID CARDS

\$1,000 COLORING TABLE POSTERS

INFORMATION **TECHNOLOGY**

\$5,000 (4)COMMERCIAL VIDEO WALL **DISPLAYS**

\$48,000 **ENVIRONMENTAL MONITORING SYSTEM**

VOLUNTEER SUPPORT

\$500 MASK AND SNORKEL GEAR

For Aquarist

Assistant

volunteers

\$1,000 RECRUITMENT MATERIALS

\$1,500-3,600

(5)OUTDOOR UMBRELLAS

VISITOR SERVICES

\$2,000 (3)WHEELCHAIRS

FACILITIES

\$1,000 **OUTDOOR LIGHTS**

\$2,500 SOUND SYSTEM

\$3,000 TABLES AND CHAIRS

OPERATIONS & MAINTENANCE

\$500 UPRIGHT FLOOR VACUUM

> \$1.400 FLOOR BUFFER

\$1,400 ° PROTEAM FLOOR VACUUM

\$2,500 WIDE AREA FLOOR VACUUM

For public veiwing

comfort range



*** NEW & RENEWING MEMBERS

from July 2018 - September 2018

Leona Abe Fraidah & Honorato Ablao Brennan & Tracie Alexander Rvan & Brittany Allen Thomas & Carol Allison Eigo & Shiori Amakata Todd & Claire Anton Alvin & Avis Aono Helene Arata Claudia & Dustin Armstrong Jeffry & Nyla Babb Tiffany & Andrew Baer Bonnie Bailey Gina & Jemar Ballesteros Mr. and Mrs. Balsis Mariel Kim Mrs. Lindsay Bennett Mahea Bernal Raul & Lydi Bernal Norie & Scott Bloom Markus Bolles Sherine Boomla Amelia Borofsky Ryan & Yeojung Bradley Melanie & Jonathan Braga Carlo Brand Ryan Brechler and Noelle Naone Jasmine Brown Katherine & Michael Brumley Matthew & Kristen Brummel Calvin Bulan Tabatha & Cody Bumpass Jessica & Justin Burdick Harlan & Roma Cadinha Macario Camacho Mary Campbell Christopher & Lisa Capaldo Shawn & Christine Carrier Antonio & Donna Jane Carrilho Mary Caywook Edward Chan Allison & Timothy Chang Robert & Sandra Chang Russell & JoAnna Chang Dr. Wuttichai Chavasirisobhon David & Amanda Chechile Yanmei Chen and Dazhi Yang Jeannie Chesser Ching Ohana Mark Ching Patricia & Carlton Ching Yun & Sunshine Choe Jaewon & Sungwon Choi Noelani Chung and Kenneth Ma Elizabeth & Brandon Cody Adam & Alane Cole Nancy & Herb Conlev Mr. and Mrs. William J. Cooper Christopher & Courtney Couch Coulson Ohana Elena Crecelius Miki Crutchfield Michael Curnow

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Irene & Alan Donnelly

Stacy Delmonte Kaminer and Andre

Ruth Cushman

Tricia Dang

Sarah DeLuca

Starr Dods

Blaine DeRamos

Zoa & Matthieu Dubarry **Dustin & Kelly Dunbar** Sherwin Duquez Steven Dutcher Amy & Erik Eck Patti Eisinger Seth Elmer Yukari Epstein Alana & Pili Faagai Sylwia Farley Darlene Field Maile & Kelly Fong Jessica Franklin David & Jocelyn Franks Spencer & Brittany Freitas Bill Fromen Jennifer Fujii and Daren Lum Patricia Fujikawa Randal & Sarah Fujimoto Ken Fukuyama & Keiko Okada Francisco & Charmaine Garcia Joan and Timothy Geary Leon & Kayee Geschwind Dr. Amber Gill Rachel Gillotti and Huy Nguyen Kevin & Vickie Gleed Linda & Gerald Gono Stephan & Evian Granitz Timothy Grant Yi "Echo" & Paul Gu Michael & Carolyn Hadfield Matthew & Cherilyn Hale Ryan Hall Brendan Hand Joe & Mary Hardin Jolie Harmon Onawa Haynes Stephen Hazam Greg & Jennifer Healy The Henderson Family Mel & Marlene Hertz Arren Higashi and Sharmaine Hashida Justin Hino Steven and Julie Ho James Hoban John & Jennifer Hodges Brian Holbrook Alexandra Holzman and Matt Bonder John & Kim Holzman John & Michiko Hudson Chris & Haruyo Ichiki Lon Jerley Garrett & Susan Iha Iwamoto Household Sidney Jackler Leonard Jenkins Albert Keoni Jeremiah Carol & Mark Johnson Marsha Johnson Laurel Johnston and Randy Young Jason Jou Francis Julian Steven Kaahanui Gladys Kaeo Jonathan & Breanne Kahalewai Maria & Kai Kahele Winnie & Scott Kaneshiro Daniel & Jane Katayama Phillip & Johanna Katzman Paulette Kawakami Tarah Kawal Todd & Tina Keane

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To inspire and promote understanding, appreciation and conservation of Pacific marine life.