

Kilo iā

2013/OCT//NOV//DEC



Rise of the Honu

Hawaiian Green Sea Turtles
-- are making a comeback in the wild --
(and at the Aquarium)



WAIKIKI
AQUARIUM
UNIVERSITY OF HAWAII

ANNUAL REPORT Fiscal Year 2013 Supplement



Dr. Andrew Rossiter reads to families at Ocean Literacy Day on Saturday, September 14.

The biggest news on the horizon is the return of green sea turtles to the Waikikī Aquarium after a 15 year absence. Kindly provided by Sea Life Park from their captive breeding program, the six hatchling turtles will be housed at the Aquarium for around two years, until they are large enough to be released into the wild. Most of the turtles one sees in the waters around Hawai‘i are sub-adults or adults, and it is very rare to see hatchling or young animals. This is because, immediately after hatching, the turtles crawl to the sea, where they spend their first few years in the open ocean. This part of their life is a mystery: it is not known where they go or what they do, but presumably they drift with the currents in the open ocean, feeding on small animals at the surface. During this time in their life, they do not crawl to on land to rest or bask, and this is why there is no ‘island’ in their exhibit, which mimics their open water habitat (minus predators, or course!). When the turtles reach about two feet in length, their diet changes and they move into shallower water where they graze on seaweeds.

The life span of the green sea turtle is still unknown, but it appears that turtles grow very slowly and may be 40 years old before they are sexually mature. Please visit the Aquarium and welcome our newest additions, and see green turtles at a size you are unlikely to ever see them at in the wild. And while here, please also check out the newly renovated and renamed gift shop. The Shop at Waikikī Aquarium is the result of a major transformation. In a project supported by your FOWA board, directed and coordinated by Ling Ma, and with input from Creative Solutions, and the understanding and support of various contractors, and gift shop staff and volunteers two very long days was all it took to completely change the store into what you see today. A more enjoyable browsing and shopping experience and a greater focus on appropriate gifts and items for shoppers to peruse was the objective, and is what we feel has been achieved. And remember, it remains a FOWA-run business and every penny spent there goes to support the programs and activities of the Waikikī Aquarium. Enjoy!

Andrew Rossiter

Dr. Andrew Rossiter
Director, Waikikī Aquarium

Kilo i‘a

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EDITOR
Dr. Andrew Rossiter

ART DIRECTOR + MANAGING EDITOR
Kelsey Ige

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Reskyu

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Waikikī Aquarium
2777 Kalākaua Ave.
Honolulu, HI 96815-4027
PHONE (808)923-9741
FAX (808)923-1771
www.waquarium.org

WRITE TO US AT kiloia@waquarium.org

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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*.

Membership Rate Increase

For the first time in over eight years, FOWA membership rates will increase (effective January 1, 2014). One- and two-year memberships will still be available with a price-break for two-year memberships. Membership contributions make it possible for the Aquarium to provide excellent care for its animals and maintain our exhibits, create new exhibits, and offer educational programs to students of all ages.

➔ *Members are invited to renew their lapsed, as well as current membership, before December 31, 2013 to receive the 2013 rate. Contact the Membership Office at 440-9054 or email membership@waquarium.org to renew your membership today!*

Members’ Night

Sunday, November 3

Pack a dinner and enjoy a picnic on the lawn as experts share insight into NOAA’s turtle rescue program and the efforts to protect this beloved threatened species. Among the presenters for the evening are Kyle S. Van Houtan, Ph.D., Leader, Marine Turtle Assessment Program, Protected Species Division NOAA Fisheries, Pacific Islands Fisheries Science Center; and Irene Kinan Kelly, Sea Turtle Recovery Coordinator, NOAA NMFS Pacific Islands Region. Members will also be able to meet the aquarist who oversees our new exhibit and learn about how we care for our newest, marine reptilian residents. Members’ Night 2013 will be a ‘turtle-riffic’ time!

➔ *Free for FOWA members and \$5 for Non-FOWA members. Call 440-9054 for reservations. Reservations are required.*



PHOTO: WILLIAM STÖHLER

1 YEAR	2 YEARS	MEMBERSHIP LEVEL
\$90 (\$85)	\$170 (\$160)	FAMILY PLUS Two adults and their children under 18 years of age residing in the same household, plus FREE admission for two guests per visit when accompanied by member.
\$65 (\$60)	\$120 (\$110)	FAMILY Two adults and their children under 18 years of age residing in the same household.
\$65 (\$60)	\$120 (\$110)	GRANPARENTS Two grandparents and up to six grandchildren under 18 years of age.
\$45 (\$40)	\$80 (\$75)	INDIVIDUAL One individual cardholder.
\$35 (\$30)	\$60 (\$55)	SENIOR One individual cardholder 65+ years of age.
\$30 (\$25)	\$50 (\$45)	PLUS ONE Member may add to their existing membership an additional member of their household not currently covered by their membership (babysitter/nanny/grandparent).
\$5		REPLACEMENT MEMBERSHIP CARD per card

NOTE: PRICE IN RED REFLECTS NEW MEMBERSHIP RATE INCREASE.

UNIQUE SPECIES



Abe’s Angelfish *Centropyge abei*

Abe’s angelfish was only discovered in 2001 thanks to a photograph taken by researcher Dr. Pat Colin when he was aboard the Deepworker submersible in a research dive off Palau. In 2006, from a specimen collected off Manado, Sulawesi, Indonesia, it was named *Centropyge abei*, in honor of Dr. Yoshitaka Abe, the Director of the Fukushima Aquarium (Aquamarine Fukushima) in Japan.

In April 2007, Bishop Museum ichthyologist Dr. Richard Pyle donned his rebreather gear and dived to around 400 feet where he was successful in collecting the individual you now see on display at the Aquarium. The rarity and novelty of this specimen meant that before the fish went on exhibit here at the Waikikī Aquarium, less than 30 people in the world had seen one alive. Even today, the Waikikī Aquarium is the only aquarium in the world where you can see this unique fish.

Beyond the fact that it only inhabits waters well beyond 350 feet in depth, little is known of its biology. However, since 2007 the fish has been sighted near Japan, Indonesia, Yap and Sulawesi, once again highlighting how much we still have to learn about the world beneath the waves.

Rise of the Honu

For the first time in over ten years, sea turtles make a return to the Waikiki Aquarium.

Six

hatchling Hawaiian green sea turtles pump their tiny flippers as they navigate their way around the 20-foot tank behind the scenes and in their new exhibit at the Aquarium. The turtles, on loan from Sea Life Park, hatched this past June and arrived at the Aquarium on September 20. They will call the Aquarium home for the next year or two until they are large enough to be released into the wild.

Live Exhibits staff work tirelessly to care for the newest additions, “We feed and clean their habitat three times a day,” says Aquarium curator Shawn Garner, “We want to make sure the animals are swimming, eating and breathing properly. Sea Life Park has bred sea turtles in captivity for years. Using their statistics of weight and length measurements as guidelines, we want to ensure that our turtles are healthy and growing at the same pace.”

Just over 30 years ago, the population of Hawaiian green sea turtles (*Chelonia mydas*) dipped to an alarming amount. In an effort to protect these beloved animals, in 1974 the state of Hawai‘i enacted legislation to protect sea turtles, followed by federal protections in 1978. As a result, the population of turtles around the main Hawaiian Islands has thrived. In addition to legal protections, captive breeding and release into the wild have also aided in increasing the

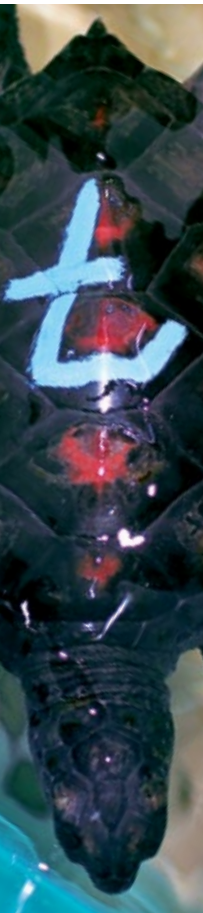
number of Hawaiian sea turtles.

The turtles on exhibit, identified by the numbers on their backs (“1”, “3”, “5”, “6”, “7”, and “15”) are rotated throughout the day, with two to three turtles on display at any given time. During feeding times, the turtles are fed “turtle pellets” high in fat content to promote healthy growth, but occasionally they are treated to lettuce, celery and broccoli. Although mostly herbivorous as adults (feeding on algae, seaweeds, and other marine flora), sea turtles also consume sea jellies, “We may add a moon jelly for food on special occasions,” says Garner.

Young turtles swim continuously in the open ocean during their first stages of life, drifting in and out of the ocean’s currents for years (think Finding Nemo). The 1,000

gallon exhibit provides a space for them to continuously swim and rest by floating, mimicking their behavior in the wild, while protected from predators and disease. It is a mystery as to what happens in this stage of a young turtle’s life. Because of the turtles’ wandering nature, scientists have been unable to observe turtles in the wild at this young age.

Luckily, Aquarium visitors have the coveted opportunity to see these animals at their most peculiar stage of life. Sea turtles 1, 3, 5, 6, 7, and 15 are ambassadors for their species promoting the Aquarium’s mission to educate the public on marine conservation and raising awareness for an animal that is important within Native Hawaiian culture and beloved by people everywhere. 🐢



Meet the newest members of the Aquarium ‘ohana!



Kristen Moux

POSITION
Membership Assistant
EDUCATION
U.H. Mānoa (2005)
FAVORITE AQUARIUM RESIDENT
The harlequin shrimp couple

Kaimuki native, Kristen Moux joined the Aquarium as a membership assistant. She brings with her, experience as a paralegal working for private law firms and most recently at the University of Hawai‘i’s Office of General Counsel.

Moux is well-suited to and enthusiastic about the broad range of duties in her new position, “Not only do I help our members, I also get to dabble in creating ocean-related activities for children to promote the Waikiki Aquarium. Most recently, I dressed up as a clown for Family Night!”

When she is not at the Aquarium, Moux enjoys traveling, sewing, and spending time with her family, “Prior to working here, I loved bringing my babies to watch the sea creatures. I am excited to share the Aquarium’s mission of understanding, appreciation and conservation of Pacific marine life with our members and prospective members.”



Gwendolen Lentes

POSITION
Aquarium Biologist
EDUCATION
B.S. in Marine Biology,
Hawai‘i Pacific University (2011)
FAVORITE AQUARIUM RESIDENT
“Kujo,” the spotted knifejaw

Born near the Great Lakes in Cleveland, Ohio, Gwendolen Lentes began her marine career as a touch-tank exhibit interpreter at the Seattle Aquarium. Upon arriving in Honolulu, she spent over three years at the Oceanic Institute (OI), “At OI, I started as a volunteer, then worked as a broodstock employee in the Finfish Department, and later in the Live Feeds Department.”

After the birth of her daughter Aislyn, Lentes began as a live exhibits volunteer at the Aquarium in 2012, working with Aquarist Kelley Niide. As a live feeds specialist, Lentes hopes to revamp the Aquarium’s live feed production, “With an on-site, fully functional live feeds operation, we can produce most, if not all, of our food needs for the animals.”

Having been to all 48 continental states as a big rig truck driver (yes, she still maintains her CDL license), Lentes’ love for travel and adventure has simmered a bit with her free-time revolving around her young family.

“The Waikiki Aquarium is a world-renowned institution. We have made our mark in the realm of coral propagation and I hope to continue that precedent as a leader in the captive rearing of rare and endemic species.”



About Face

The Aquarium facade’s true blue transformation.

If you’ve visited the Aquarium within the last three months, you may have noticed the Aquarium looking a little more, well, blue! The Aquarium’s facade received a brand new coat of paint donated by Kawika’s Painting, Inc. Mahalo to Guy Rodrigues and the wonderful folks at Kawika’s Painting, Inc. for their generous contribution!

Grand prize winner Chuck Babbitt’s shot of eagle rays graces the cover of the Aquarium’s 2014 calendar.



Reeling in 2014

Hundreds of photographers participated in the Aquarium’s 2014 calendar contest.

More than 27,000 votes were cast via Facebook for 762 entries to our 2014 Waikiki Aquarium calendar contest. Our judges Marty Snyderman, Emmy Award-winning underwater cinematographer; Keoki Stender, Photographer and U.H. Mānoa Diving Safety Program Specialist; and Bob Hollis, founder and CEO of American Underwater Products, had the difficult task of selecting the winners.

Congratulations to grand prize winner Chuck Babbitt, who will receive \$700 in diving equipment from sponsors Oceanic Worldwide, AERIS, Lavacore International and Oceanpro. Mahalo to the Madden Corporation, Becker Communications, FOWA, and all of the photographers who participated.

➡ A limited number of calendars will be available for sale at The Shop at Waikiki Aquarium after November 4.

WAIKĪKĪ AQUARIUM ACTIVITIES & CLASSES

2013/OCT//NOV///DEC

Marine Educator’s Night at the Waikiki Aquarium

Oct 18, Fri 6:00-8:30 p.m.
Explore the Aquarium while discovering new education resources and old friends. NOAA’s Ocean Explorer website, research and curricula will be highlighted, as well as the many resources available to educators to support marine curricula. Representatives from State and Federal organizations will have tables set up with instructional materials. Refreshments will be provided as well as door prizes. The evening is free for educators and a guest. The program is sponsored by NOAA’s Ocean Explorer program and the National Marine Sanctuary Foundation.

Exploring the Reef at Night

Nov 1, Fri 7:00-9:00 p.m.
Nov 15, Fri 7:00-9:30 p.m.
Dec 1, Sun 6:30-8:30 p.m.
Dec 13, Fri 6:00-8:00 p.m.
Dec 30, Mon 6:30-8:30 p.m.
For an experience you’ll not forget, join us as we explore the reef at night. Wade into the ocean on these wet and wild excursions. Search for night-active crabs, lobsters, eels and octopuses. Look for sleeping parrotfish, triggerfish and day octopus in their dens. For adventurers ages 6 years and up; youngsters must be accompanied by an adult.

Participants should be comfortable in the ocean, both day and night. \$15/adult, \$9/child (\$18/12 for non-members).

Afternoons at the Aquarium

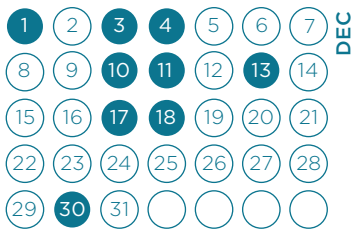
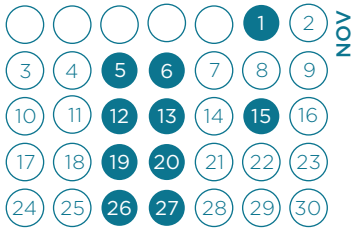
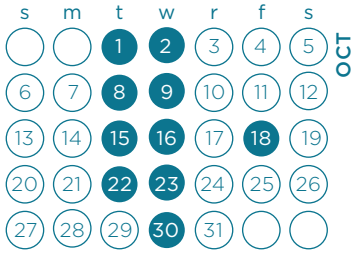
Every Wed 3:00 p.m.
(Except Christmas Day)
Looking for something to do after school? Every Wednesday, the Aquarium hosts an interactive activity on the lawn. Enjoy Stories by the Sea, or maybe a critter encounter or a craft designed for families. Free with admission to the Aquarium.

Meet the Monk Seals

Every 1st & 3rd Tuesday of the month 3:00 p.m.
More sightings of seals around the main Hawaiian Islands have renewed interest in these amazing and endangered animals. Learn about seals in the wild: What do they eat? How deep do they dive while hunting? Do they really have fingernails? Then move to the monk seal habitat where Aquarium Biologists will introduce you to the resident seals, Makaonaona and Hō‘ailona. Participants will assist with seal enrichment activities. Designed for participants 7 and up, but anyone interested is invited to attend. \$7/person (\$10/person for non-members).

Behind the Scenes

Every 2nd & 4th Tuesday of the month 3:00 p.m.
(Except Christmas Eve and New Years Eve)
Learn what makes the Aquarium run, from fish food to quarantine, and many stops in between. Climb-up and peer into the exhibits and see how they are created. Visit the Coral Farm where coral is propagated and the Jelly Hale where sea jellies are raised. Minimum age 7 years; youngsters must be accompanied by an adult. Accessibility is limited. Groups of ten or less are welcome. \$12/adult, \$8/child (\$15/\$10 for non-members).



Look for class updates on: www.waquarium.org
PRE-REGISTRATION REQUIRED

ACTIVITY REGISTRATION FORM

NAME(S)

Adults _____ Phone (Home) _____

Children/Ages _____ Phone (Work) _____

Address _____

City/State/Zip _____ Email _____

PLEASE REGISTER ME FOR

Activity	Session	Date(s)	Number of Adults/Children	Price
_____	/	_____	_____	_____
_____	/	_____	_____	_____
_____	/	_____	_____	_____
_____	/	_____	_____	_____

Total amount of payment enclosed (check payable to “University of Hawai‘i”):

IF PAYING BY CREDIT CARD

Credit card # _____ VISA ☐ MC ☐

Expiration Date _____ Last three digits of security code on back of card _____

I am a FOWA Member Yes ☐ No ☐

The Makaha Sons played to a packed house at the finale of another successful Ke Kani O Ke Kai.



Nā Hōkū Hanohano Award winners Nā Hoa.

Ke Kani O Ke Kai

Rolling waves and vibrant sunsets provided the perfect backdrop for the Waikīkī Aquarium's annual Ke Kani O Ke Kai summer concert series. The series kicked off on June 13 with Nathan Aweau and John Cruz; followed by KUMZ with Hālau i ka Wēkiu and Manu Boyd & Friends; Mark Yamanaka and Nā Hoa; Amy Hanaiali'i and Hi'ikua; concluding with the Makaha Sons and Darren Benitez on August 8. Dinner was provided by restaurant partners Kani Ka Pila Grille, Hog Island BBQ, The Grove, Da Spot and The Counter.

THANK YOU TO ALL OF OUR 2013 KE KANI O KE KAI SPONSORS



Alexander & Baldwin
Aloha Petroleum
Aqua Hospitality
Armstrong Builders -
Armstrong Foundation
Armstrong Consulting
Bank of Hawai'i
Barefoot Wines
Becker Communication Inc.
Beth Chang, Realtor
Cades Schutte
Dr. Curtis Takemoto-
Gentile
Elliot Loden
First Hawaiian Bank
Goodfellow Bros. -
General Contractors
Halms Enterprises
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Hawai'i Dental Service
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Izuo Brothers
Jennifer & Brian Isobe
JMJ Rentals
King Windward Nissan
Kona Brewing
Kualoa Ranch
Marr Jones & Wang
McCabe, Hamilton &
Renney Co., Ltd.
Michael D. Rudy, Attorney
Prime Builders of O'ahu
Ralph Inouye
Reskyu
Servco
Surf 4 Hugs
Trinity Properties LLC

Family Night

Ewww quickly changed to awe as kids gawked at the horrible sea cucumber, *Stichopus horrens*, and then learned the importance of sea cucumbers in the marine environment at Family Night's Circus Under the Sea on August 23. By the time youngsters moved on to the next amazing animal, they were ready for anything: sea hares, mantis shrimps, umbrella slugs, anemone hermit crabs, and many more. Guests discovered that potentially harmful animals—no matter how interesting—should not be imported to Hawai'i as pets. The Hawai'i Department of Agriculture Plant Quarantine Branch shared a few confiscated animals: a piranha, ball python, and bearded dragon, among other things. Families lounged and picnicked on the lawn while jugglers, unicycle-riders and plate spinners maneuvered through the crowd.

Thank you to all of the experts and their animals, the Department of Agriculture, and the circus performers and volunteers for helping to educate and entertain all those in attendance!

REGISTRATION INFORMATION

- » Pre-registration is recommended.
- » FOWA members are allowed up to four total registrants at FOWA rate.
- » Questions about the activities? Call the Waikīkī Aquarium Education Department at **440-9007**.
- » A handling fee of \$5 will be assessed for withdrawals.
- » No refunds can be made for no-shows or for withdrawals made seven days or less before an activity.
- » **Please do NOT fax or email your registration.**

To register by phone:

- » Call **440-9011**. Visa and Mastercard are accepted.

To register by mail:

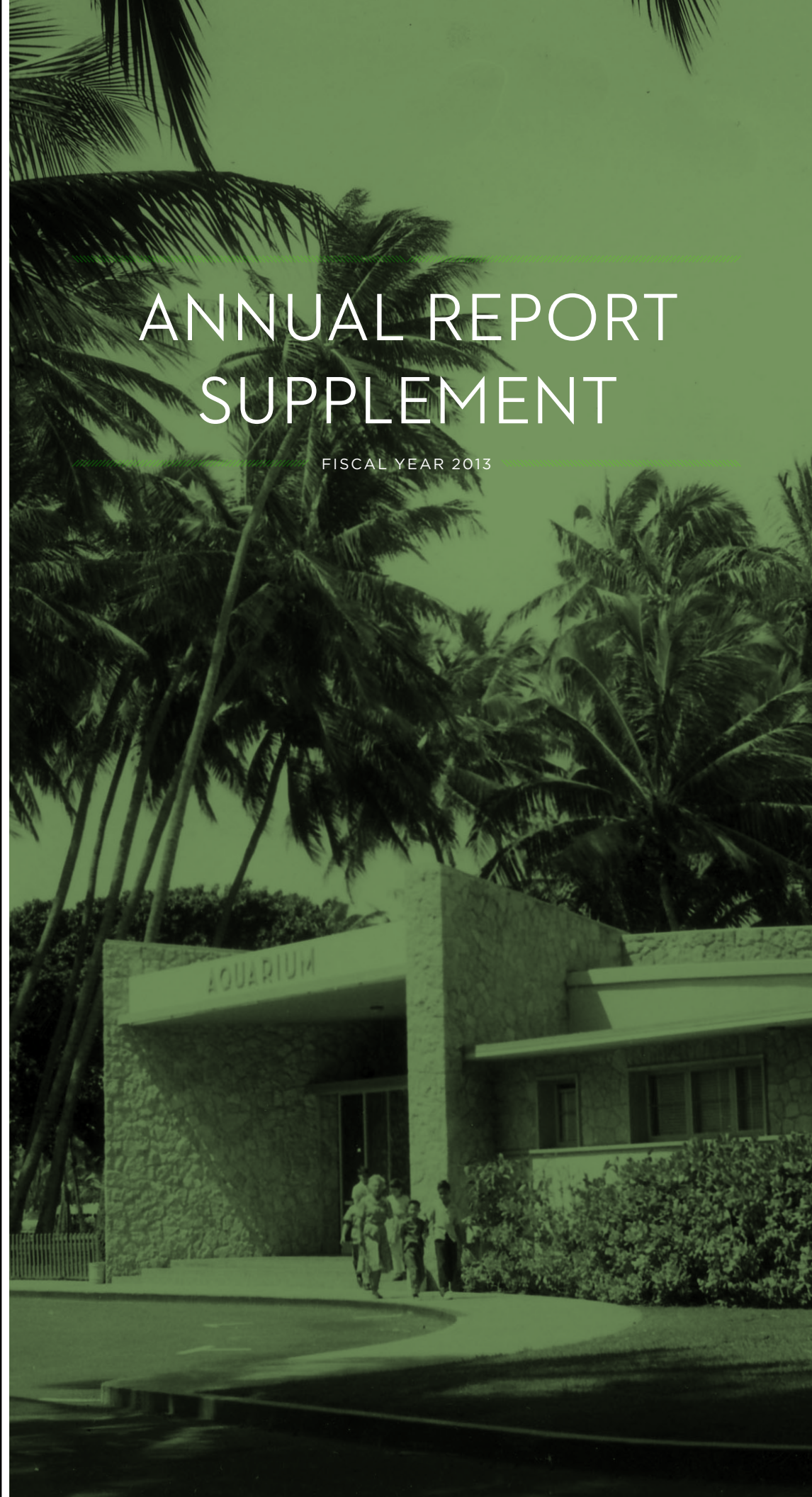
- » Full payment must accompany completed registration forms. Please, no cash.
- » Make checks payable to University of Hawai'i. Visa and Mastercard are also accepted.
- » Mail the completed registration form with a check or credit card information to:

Waikīkī Aquarium
Education Department
2777 Kalākau Avenue
Honolulu, Hawai'i 96815-4027



ANNUAL REPORT SUPPLEMENT

FISCAL YEAR 2013





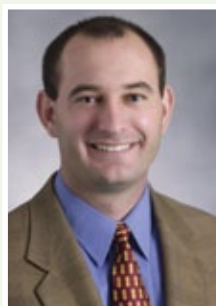
This past year has seen many positive changes at the Aquarium, most visibly in terms of the additional plantings in our Hawaiian gardens, the newly painted Aquarium façade, and the renovated gift shop. Behind the scenes we have achieved a sorely needed and long overdue renovation of the staff offices, completed the seadragon breeding facility, and made progress in making the area visitor accessible.

All these latter projects were kindly supported by your FOWA Board, to whom we are grateful. Also behind the scenes, over the coming months we will be replacing what is loosely known as our 'research deck' with a dedicated live food production area where our live foods specialist, Gwen Lenten, can propagate algae, rotifers, brine shrimp, *Artemia*, and other small organisms that are essential to the wellbeing of our corals and fishes. Presently we import many of these live foods from the mainland, and so being able to produce these on site will be very cost effective, as well as allowing us to control food quality and amount. Our ultimate goal with these projects is to be able to escort

visitors to the non-public areas of the Aquarium to show them some of the research and conservation programs we are undertaking. Over the coming months, under the enthusiastic direction of our new curator, Shawn Garner, the new Seahorse, Seadragon and Pipefish exhibit will be ready for installation, as will the new Hawaiian Stream exhibit and a renovation of the foyer area. Changes to the theatre area, which is slated to become an Ocean Sciences Laboratory, have already begun, and in the next few months we will be hiring someone to direct this program. Coincidentally, a review published today by the International Programme on the State of the Ocean (IPSO), warns that the health of the world's oceans is deteriorating even faster than had previously been thought. Global climate change, ocean acidification, overfishing, pollution, and fertilizer runoff are the main threats. Clearly, the need for this laboratory to inform people about such issues and what can be done at the individual level to ameliorate them, is especially timely. With the dedicated team of motivated professionals now assembled at the Aquarium, the momentum now underway in advancing its mission as a center for research, conservation and education about Pacific marine life seems certain to continue.

Dr. Andrew Rossiter
Director, Waikiki Aquarium

MESSAGE FROM THE BOARD, FRIENDS OF WAIKIKI AQUARIUM



On behalf of the Friends of Waikiki Aquarium's (FOWA's) Board of Directors, mahalo nui loa for your generous support throughout the

year. As a nonprofit organization dedicated to providing resources to help the Aquarium fulfill its mission of ocean education and conservation, FOWA couldn't do what we do without you.

Each year, the FOWA Board, alongside Waikiki Aquarium Director Dr. Andrew Rossiter, evaluates the need for improvements to the Aquarium's exhibits, programs and facilities. As a result, over the past five years, FOWA has supported some major key initiatives, including: the launch of the Northwestern Hawaiian Islands exhibit in 2011; capital improvements, such as

classroom renovations, electrical upgrades, photovoltaics, and office renovations; enhancement of existing exhibits like the Coral Farm and Edge of the Reef; and conceptualization and planning of soon-to-be-opened new exhibits including the Hawaiian Stream and Seadragon & Seahorse exhibits.

As we look toward the Waikiki Aquarium's 110th anniversary, we have a number of exciting things planned and encourage you to visit the Aquarium frequently. You never know what new things you might see, like our upcoming sea turtles exhibit. We'll also continue to offer a multitude of fun and educational programs that the entire family can enjoy – at one of the most picturesque ocean settings in Waikiki.

Thank you, again, for your contributions that help us celebrate and protect Hawai'i's marine resources.

Marcus R. Boland
Co-Chair, Friends of Waikiki Aquarium

Faye Kurren
Co-Chair, Friends of Waikiki Aquarium

HOALAUNA COMMUNITY

► Our **SCHOOL SUPPORT PROGRAM** hosted 6,774 students and teachers for presentations in the Docent Program and 19,306 group reservations.

► With the support of donations, the Education Department offered **FREE PROGRAMS**, educational materials, transportation and lunches to 313 under-served families and 2,769 students from Title I Schools.

► Our **COMMUNITY ENRICHMENT PROGRAM** reached 2,357 people through a variety of fun, hands-on educational activities. Especially popular programs included Hawaiian Sea Creatures, Summer by the Sea, Meet the Monk Seals, Aquarium After Dark, Exploring the Reef at Night, and Afternoons at the Aquarium.

► In February, we hosted the Aloha Koi Appreciation Society's 6th Annual **KOI SHOW**, a unique opportunity to view some of the most beautiful and valued koi in Hawai'i and learn about the art of raising these illustrious fishes.

► **MARINE EDUCATORS NIGHT**, sponsored by NOAA Ocean Explorer, drew 135 teachers and guests who gathered marine science curricula from 14 different ocean-related agencies.

► Our **FACILITY RENTAL PROGRAM** welcomed more than 11,000 guests and continues to be a popular event venue location for members. In addition to private weddings, birthdays, graduations and other celebrations, the Waikiki Aquarium was venue for events hosted by Commercial Plumbing; Duke Kahanamoku Foundation; St. Clements School; The Early School; U.H. Children's Center; U.H. Economics Department; Aloha Koi Appreciation Society; Outrigger Hotels' Annual Conference; U.H. Department of Oceanography; Sky River Management; Ki Concepts; Manakai O Mālama; Marine Option Program; Punahou School Alumni; Kapi'olani Medical Center; Rotary Club of Ala Moana; The Kleeman Corporation; U.H. Foundation; Center for Island, Maritime, and Extreme Environment Security (CIMES); Duck Tours; Central Pacific Bank; U.H. National Foreign Language Resource Center; Japan Association of Transportation; and more.

► To enrich FOWA membership benefits, we continued members benefits with Aquascapes, Colorwhims Hawai'i Party Entertainers, Coral Fish Hawai'i, Education Works, Hard Rock Café, HASR Wine Co, Hawai'i Self Storage, Kalihi Pet Center, Lucoral Museum, Pigtales & Crewcuts, Teddy

Bear World HI, Waikiki Dive Center, and Waiola Shave Ice.

► Our Membership Department has been out and about in our community, participating in Pearlridge Center's Keiki Club, Kahala Mall's Toddler Time, and attending the Honolulu Aquarium Society's monthly membership meeting.

► **GRANTS** totaling over \$75,000 from the Freeman Foundation, Hollings Ocean Awareness Trust Fund and the State Department of Land & Natural Resources Kaulunani Program allowed us to provide educational programs and outreach initiatives to our community.

'IMUA MOVING FORWARD

► **DEEP WATER INVERTEBRATES** are on display at the Waikiki Aquarium for the first time. Our new temporary Into the Deep exhibit showcases deep sea shrimps, urchins and sea stars. The animals came to the Aquarium thanks to U.H. Professor Dr. Jeff Drazen by way of a research submersible.

► After over a year behind-the-scenes, the **SPOTTED KNIFEJAW** was integrated with the rest of our large predators in our Predators on the Reef exhibit in May.

► The Monk Seal Program has been proactive in "water training" **MAKA AND HŌ'AILONA**—this training is used for the medical treatment of aging monk seals.

► Behind the scenes, our Syngnathid Program has made progress with our **WEEDY SEADRAGONS**. The seadragons have deposited eggs twice this year—mating behavior is continuously observed.

► In an effort to reduce our electrical consumption, the Aquarium has continued with ongoing **CONSERVATION EFFORTS** making the switch to LED bulbs around our facilities and in our exhibits and upgrading to energy-efficient air conditioners.

► Our **HAWAIIAN CULTURAL GARDENS** have grown more beautiful thanks to the addition of more native plants and an improved irrigation system.

► The Education Department trained **69 NEW VOLUNTEERS** for both the Aquarium Interpreter Program and the Docent Program.

► Our **REPAIR AND MAINTENANCE** program has been busy with extensive office renovations of Events and Membership, Live Exhibits, Education, Community Outreach, Visitor Services, and Director's Offices, and Gift Shop.

► Members can now celebrate with a morning and midday weekend **BIRTHDAY PARTY** in the Aquarium's front lawn area.

► **ONLINE MEMBERSHIP REGISTRATIONS** have nearly doubled to over 500 new and renewing members.

HANA HOU!

► More than 1,000 people hopped on over to the Aquarium for **SEAHUNT** on March 16 in celebration of the Easter holiday. Special mahalo to event supporters: Chuck E. Cheese; Diamond Bakery; Education Works; GP Roadway Solutions; Hawai'i Dental Service; McDonalds; Moms in Hawai'i; Meadow Gold Dairies; NOAA Marine Debris Program; 'Ōhi'a Productions; Pigtales & Crewcuts; Teddy Bear World; and Oceanography Research and Education.

► The 2013 **KE KANI O KE KAI** summer concert kicked off on June 13, featuring Nathan Aweau and John Cruz. Other concerts featured KUMZ with Hālau i ka Wēkiu and Manu Boyd & Friends, Mark Yamanaka and Nā Hoa, Amy Hanaiali'i and Hi'ikua, ending with the Makaha Sons and Darren Benitez. Proceeds will go towards a major new Kāne'ohe Bay exhibit.

► Just under 400 people frenzied with the fishes at **FAMILY NIGHT 2012**. Guests swam through schools of fish experts, made their own gyotaku fish prints, listened to storytellers, explored the deep sea, and enjoyed many other activities and crafts.

► **MEMBERS' NIGHT 2012** went to the monk seals as we celebrated our most popular residents. The evening featured expert presentations on new research, rescue efforts and captive rehabilitation at the Waikiki Aquarium by Tracy Wurth, Research Biologist for the Hawaiian Monk Seal Research Program, NOAA Fisheries Service; and Dera Look, Assistant Regional Marine Mammal Response Coordinator, NOAA Fisheries, Pacific Islands Regional Office.

MAHALO

► **VOLUNTEERS** continue their invaluable work at the Aquarium. This year, 407 active volunteers donated more than 16,300 hours to our operations. We could not do it without you many thanks to you all.

► Our sincerest thanks to the John R. Halligan Charitable Fund, Weissman Family Foundation, Freeman Foundation, Marie Cole Trust, Victor Cole Trust, Alexander & Baldwin Foundation, Matson Navigation, and all of our corporate sponsors for their generous contributions in support of our mission.

➔ Reflecting improvement in the economy, we are happy to report that in FY 2012-13 overall revenue increased by 50%.

Substantial increases were seen in the categories of Donations <up 415%>, Investments <up 314%>, Grants <up 38%>, Events <up 34%>, Interest <up 13%> and Gift Shop <up 7%>. On the down side, decreases were reflected in the categories of Vending Machine <down 15%> and Membership <down 1%>. However, it should be noted that the decrease in Vending Machine revenue was the result of a period when the machine was being replaced following criminal damage. We saw a 34% increase in Overall Expenditures, mainly due to increases in

Professional Services <up 86%>, Capital Projects <48%>, Gift Shop <41%>, Investment Fees <up 25%> and Other Expenditures <up 31%>. A large portion of the expenditure increase is attributed to a pending agreement between the University of Hawai'i and the Friends of Waikiki Aquarium (FOWA). In the other expenditure categories, decreases were seen in Bank Fees <down 14%>, Grants <down 11%>, *Kilo i'a* Newsletter <down 6%> and Events <down 3%>. Office renovations (completed May 2013) and construction of the Syngnathid research facility and ex-

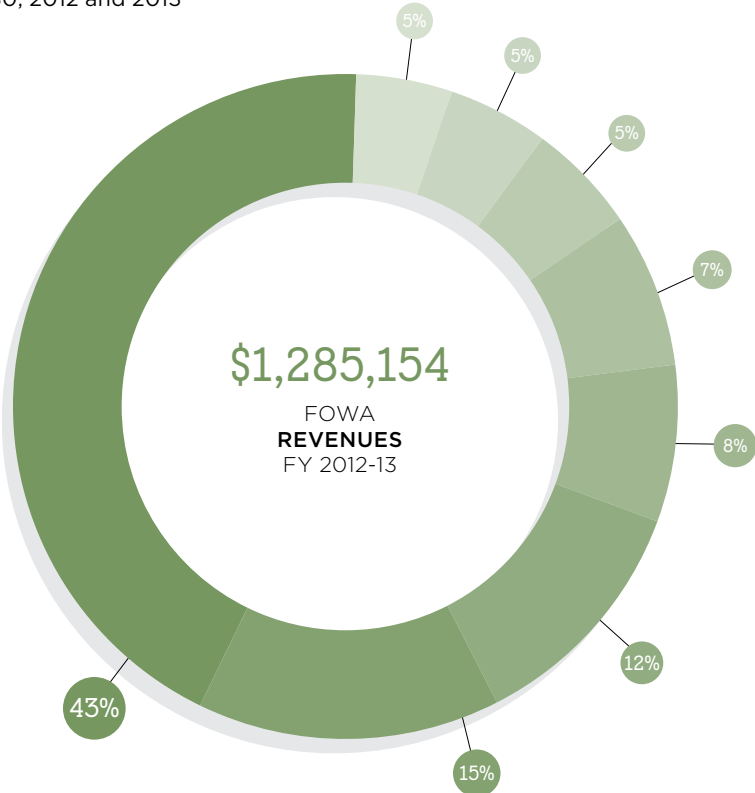
hibit (work in progress) were major capital projects for the FY 2013. This unaudited financial information is presented on an accrual basis. The NSS fund balance decreased by 11% over the last fiscal year, largely due to an internal consolidation of investments.

NOTE: Fiscal year 2010-11 forward annual reports include only FOWA-related fund transactions, including those relating to the Natural Selection Gift Shop (NSS) which is managed by FOWA.

FRIENDS OF WAIKIKĪ AQUARIUM
COMBINED STATEMENTS OF REVENUE, EXPENDITURES AND CHANGE IN FUND BALANCE
Years ended June 30, 2012 and 2013

REVENUES	FY 2012-13	FY 2011-12
Gift Shop	\$549,959	516,140
Investment Gain (Loss)	189,402	(88,678)
Grants	69,000	50,000
Membership	152,336	153,825
Events		
Sponsorship	60,000	44,832
Sales	98,058	97,733
Interest	63,043	55,705
Donations	96,731	18,773
Vending Machine	6,625	7,836
Gross Revenues	\$1,285,154	856,166

- 43% GIFT SHOP
- 15% INVESTMENT GAIN
- 12% MEMBERSHIP
- 8% SALES
- 7% DONATIONS
- 5% GRANTS
- 5% INTEREST
- 5% SPONSORSHIP



NATURAL SELECTIONS GIFT SHOP
COMBINED STATEMENTS OF INCOME AND
CHANGE IN FUND BALANCE
Years ended June 30, 2012 and 2013

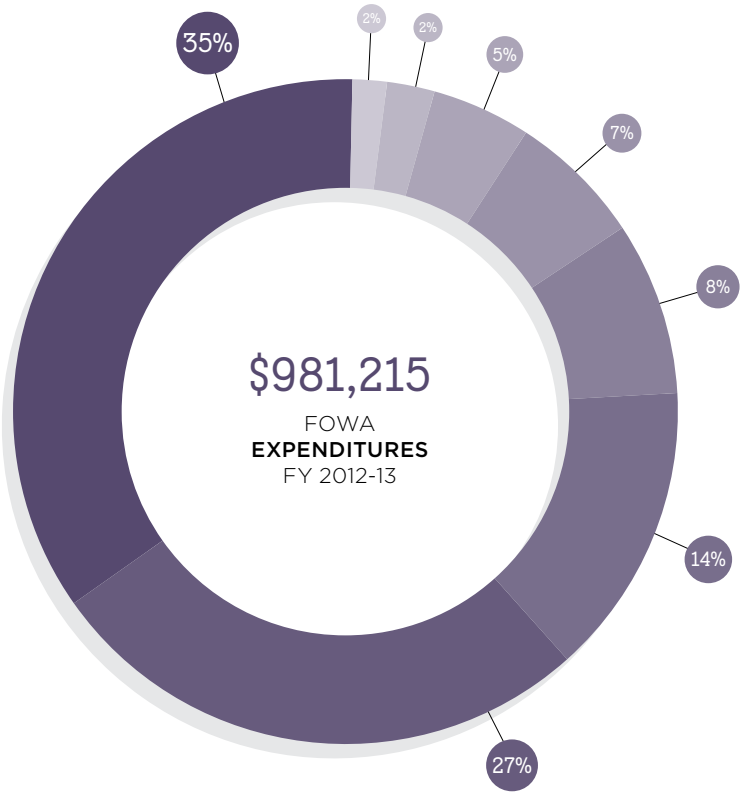
REVENUES	FY 2012-13	FY2011-12
Sales	\$647,974	625,769
Cost of Goods Sold	(258,852)	(247,534)
Photo Booth	160,750	139,811
Investment Gain (Loss)	--	(2,006)
Interest	87	100
Gross Revenues	\$549,959	516,140
EXPENDITURES		
Personnel Cost	\$101,879	84,007
Professional Fees	112,455	99,020
General Excise Taxes	33,519	31,921
Bank Service Fee	12,850	11,925
Depreciation	2,432	2,432
Equipment, Supplies, Repair & Maintenance	10,262	7,199
Fire Insurance	2,383	2,499
Other Expenditures	3,662	3,840
Transfer to UH	61,830	--
Total Expenditures	\$341,272	242,842
Net Income (Loss)	\$208,687	273,298
FUND BALANCE		
Ending Fund Balance	549,702	616,016
Amount Transferred	275,000	543,284
Beginning Fund Balance	616,016	886,002
Change in Fund Balance	208,687	273,298

FOWA CONSOLIDATED FUND BALANCE
Years ended June 30, 2012 and 2013

FUND BALANCE	FY 2012-13	FY2011-12
Restricted	\$366,700	323,893
Non-restricted	2,956,216	2,695,084
Total Fund Balance	\$3,322,916	3,018,977
Beginning Fund Balance	3,018,977	2,893,630
Net Income (Loss)	303,939	125,347
Ending Fund Balance	\$3,322,916	3,018,977

EXPENDITURES	FY 2012-13	FY 2011-12
Gift Shop	\$341,272	242,842
Events	82,787	85,449
Grants	64,056	72,364
Professional Services	140,022	75,111
Capital Projects	263,357	177,702
Newsletter (<i>Kilo i'a</i>)	22,755	24,220
Financial		
Investment	16,383	13,158
Bank	3,275	3,828
Other Expenditures	47,309	36,145
Total Expenditures	\$981,215	730,819

- 35% GIFT SHOP
- 27% CAPITAL PROJECTS
- 14% PROFESSIONAL SERVICES
- 8% EVENTS
- 7% GRANTS
- 5% OTHER EXPENSES
- 2% KILO I'A
- 2% INVESTMENT



NEW + RENEWING FOWA MEMBERS

The Membership Office recorded these new and renewing memberships between June 1, 2013 and August 31, 2013.

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WALL of FAME

The beautiful exhibits at the Waikiki Aquarium and the valuable research and conservation efforts that go on behind the scenes are the result of the work of many. Mahalo to all those who support us through their generous donations.

AUGUST TO SEPTEMBER 2013

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KILO I'A Issue Number 187
2013/OCT//NOV//DEC

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

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