

Kilo iā

2013/JAN//FEB///MAR



| COMING SOON |

SYNGNATHIDS

YOUR EXCLUSIVE PREVIEW TO THE STARS OF THE AQUARIUM'S UPCOMING
SEADRAGON, PIPEFISH AND SEAHORSE EXHIBIT





Dr. Andrew Rossiter with Senator Brickwood Galuteria, MaryLou Foley and Senator Brian Taniguchi on a recent visit to the Aquarium.

A new year brings with it feelings of rejuvenation. Some of us have set goals for self-improvement: losing holiday pounds, learning to play an instrument, or perhaps traveling to new places. The Waikiki Aquarium is right in step with this transformative mood; 2013 finds us in the nascent stage of a master planning process. Our entire staff is participating in this planning process, and we are excited about the prospects.

Of note is a hands-on ocean laboratory that will help address part of our mission; to *inspire and promote understanding and appreciation of Pacific marine life*. The lab will feature educational technology and touchable displays that we hope will foster a more memorable learning experience for all ages. Another addition we look forward to is the seahorse, seadragon and pipefish gallery; planning is underway and we forecast an unveiling of this outstanding exhibit this year. We simply cannot wait to share these exceptional animals with you. Speaking of new exhibits, we are also planning a major outdoor Kāne'ohe Bay exhibit that will feature hammerhead sharks and brown stingrays, as well as a research and aquaculture area. Ocean-based science is a pillar of the Aquarium and continually informs our decisions. This process, and particular research projects, will be more evident once this exhibit area is up and running. Also worth mentioning is our intention to upgrade the beloved Edge of the Reef exhibit that many of you

are surely familiar with. We see a lot of potential with that exhibit and look forward to improving and expanding it.

Change at the aquarium is not solely restricted to our galleries. This year we will install some solar panels, which help us accomplish our “green goals” and keeps us from consuming as much electricity (with a \$42,000 monthly electrical bill, we are looking forward to this change!).

So much of what we do here is with you, our members, in mind. It is because of your support of the Aquarium that we are able to accomplish so much. In order to convey our appreciation of your membership, we have added new institutions to our Zoo and Aquarium Reciprocal List, as well as expanded our list of local businesses that offer exclusive deals to our members. You can find both of these listed under the Members and Donors tab at our website, www.waquarium.org. Of course, we plan to host annual favorites such as SeaHunt, an Earth Day event, Ke Kani o Ke Kai summer concert series, Family Night, Ocean Literacy Day, and Members' Night.

From all of us here at the Waikiki Aquarium, thank you for your membership. We look forward to entertaining and educating you throughout 2013.

Andrew Rossiter

Dr. Andrew Rossiter
Director, Waikiki Aquarium

Kilo i'a

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ENVIRONMENTALLY FRIENDLY INKS

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*.



Koi, or more specifically *Nishikigoi* (brocaded carp), are ornamental varieties of domesticated common carp (*Cyprinus carpio*) that are kept for decorative purposes. Common carp were first bred for color in Japan in the 1820s, initially in the town of Ojiya in Niigata Prefecture. By the early 20th century, a number of color patterns had become established, and interest in koi exploded throughout Japan, and eventually throughout the world.

6th Annual Aloha Koi Show

Saturday, February 16, 9:00 a.m.-4:30 p.m.
Sunday, February 17, 9:00 a.m.-2:00 p.m.

The Aloha Koi Society will once again hold its annual Aloha Koi Show at the Waikiki Aquarium on February 16 and 17. For the third consecutive year, over 200 top quality koi will be on display for visitors to view. Firmly established as one of the largest and best shows in the country, the show features koi owned by local hobbyists, and also koi from hobbyists throughout North America—in many cases, their owners escape the mainland winter and accompany their koi to Hawai'i for the show!

So how do you judge the caliber of koi? A quality koi will be shaped like a fat cigar, without being too chubby, and should convey an image of grace and power as it swims. Color and pattern plays a very significant role in the quality of koi. There are only three color varieties, together known as *Gosanke*, that have a realistic chance of winning major prizes: (1) the *kohaku*, a red and white fish; (2) the *sanke*, a red and white fish with black patterning; and (3) the *showa*, a black fish with red and white patterning.

Join us for a chance to see these unique and prize-worthy fish. Wander around the tanks, chat with club members and learn how to distinguish between a *sanke* and a *showa*, an *ogon* and an *asagi*, or a *kujaku* and an *ochibashigure*. The family-friendly event will also feature expert talks, keiki activities, cultural demonstrations, food and Japan-themed entertainment supported by the Japanese Cultural Center. Entry to the show and programs is free with admission to the Aquarium.

Calling all Hunters!

Saturday, March 16

Your fish friends at the Aquarium will celebrate the Easter holiday once again with our ever-popular SeaHunt event on March 16, 2013. Keep your eyes and bunny ears peeled for more information to hop its way into your mailbox soon!

Additional details will be posted to our website,
www.waquarium.org.





• SEADRAGONS •



• PIPEFISHES •



• SEAHORSES •

THE PECULIARITIES OF

SYNGNATHIDS

Seahorses, seadragons and pipefishes are all members of the Family Syngnathidae. The name is derived from Greek, meaning "fused jaw" - syn meaning fused or together, and gnathus meaning jaws: a fused jaw is something the entire family has in common. Despite their unusual appearance, all 215 species in this family are true fishes: they are vertebrates, they breathe using gills, they have a swim bladder to control their buoyancy, and they have small fins which are used to propel themselves. They also share one especially unusual feature in that the male broods the eggs, incubating them in a belly pouch or on a patch under his tail until they hatch.



JUVENILE
LEAFY SEADAGON
Phycodurus eques



SEAHORSE
Hippocampus sp.



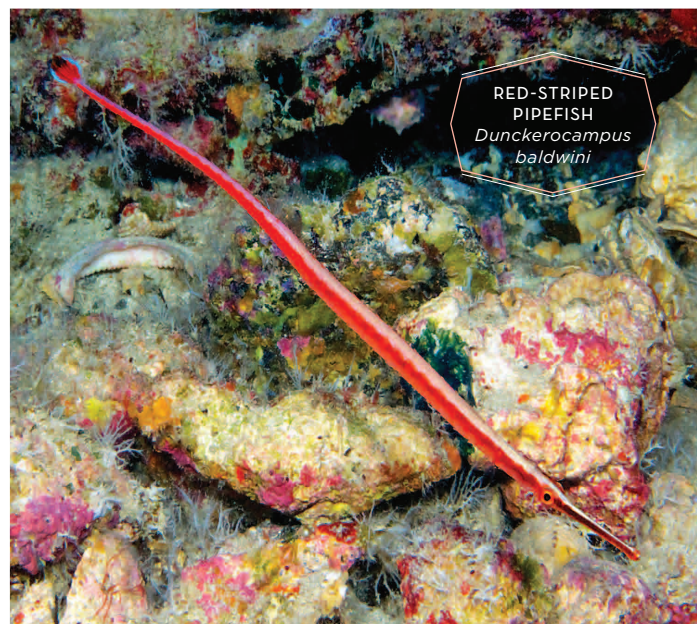
YELLOW-STREAKED
PIPEFISH
*Corythoichthys
haematoptera*



LONG SNOOT
SEAHORSE
Hippocampus reidi



HAWAIIAN SMOOTH
SEAHORSE
Hippocampus hilonis



RED-STRIPED
PIPEFISH
*Dunckerocampus
baldwini*

T

his family consists of two subfamilies; the Subfamily *Syngnathinae*, which contains the pipefishes and seadragons, and the *Hippocampinae*, which includes all the seahorses.

Pipefishes look like straight bodied seahorses with tiny mouths. The snout is a long tube, ending in a narrow, small, toothless mouth which opens upward. The majority of pipefishes have a caudal (tail) fin, unlike the seahorses, which have no tail fin. Many are weak swimmers, and some have prehensile tails, which they use to grasp to coral branches or plants in their habitat. They have excellent camouflage, and in this position, they remain motionless, swaying with the current, and looking exactly like a piece of twig or plant.

The leafy and weedy seadragons owe their name to their resemblance to the mythical dragon. They occur only along the southern and western coasts of Australia, and feed on plankton and small crustaceans. They owe their surreal appearance to the presence of long leaf-like protrusions along the body. These serve as camouflage, allowing them to blend in perfectly with the seaweed and kelp formations they live amongst. Very few aquariums have bred the weedy seadragon, and none has bred the leafy seadragon. These are two objectives of the Syngnathid Project that the Waikiki Aquarium is now beginning. In addition to a new gallery that will highlight these and other seahorses and pipefishes from around the world, we are constructing a research facility for these animals so as to better understand their biology and, hopefully, breed them.

Seahorses evolved from the pipefishes, and seahorse fossils 13 million years old are known. The 53 known species of seahorse range in size from 1 – 35 cm (0.6” – 14”) long, and live in marine habitats, mainly in shallow temperate and tropical waters; favorite habitats are coral reefs, seagrasses, and mangrove forests. Seahorses use their long snouts to suck up the plankton and small crustaceans that they fed upon. They target their prey items individually using eyes that can move independently of each other, like a chameleon. Because they do not have a stomach, food passes through their bodies very quickly, and so they need to eat nearly constantly.

Seahorses do not have scales, but have interlocking plates on the outside of their body for protection. This rigid body makes normal swimming motions impossible, and instead



WEEDY SEADRAGON
Phyllopteryx taeniolatus

seahorses propel themselves by beating their dorsal and two pectoral fins rapidly, up to 50 times a second. Although they do not move quickly, they are very maneuverable, and are able to move up, down, forward or backward. The dwarf seahorse is the world's slowest moving fish, with a top speed of about 150 cm (5 feet) per hour. Since seahorses are poor swimmers, they are most likely to be found resting, using their prehensile tails to hang on to a stationary object such as seaweed and branching corals. They are experts at camouflage, and some, like the common pigmy seahorse, have a shape, size and color that allows them to blend in perfectly with their coral habitat. Others, such as the thorny seahorse, change color to blend in with their surroundings.

Beyond the threats of habitat destruction and pollution that impinge upon most marine life, major threats to seahorses in particular come from harvesting for use in aquariums or traditional Asian medicine. Seahorses have very specific food and care requirements and are exceedingly difficult to maintain in captivity, so please don't buy them for your home aquarium. Regarding traditional Asian medicine, there is no scientific evidence to show that seahorse 'remedies' have any beneficial effect whatsoever, so please avoid creating a market for this product by not buying it. 🐠



BLUE-STRIPED
PIPEFISH
*Doryrhamphus
excisus*

Are you interested in supporting the Syngnathid project?

The Aquarium is still in the midst of fundraising for the research facility, which will be used to study and breed these fishes, and the gallery, which will introduce some of the diverse species in this group to the public. Your assistance would be greatly appreciated!

FOWA BOARD »

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Northwestern Mutual

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Bank of Hawai'i

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There are 18 people currently serving on the Friends of Waikiki Aquarium board. To acquaint you with these people who volunteer their time to help the Aquarium, Kilo 'i'a features one board member in each issue.

MEET THE FOWA BOARD



Marcus R. Boland

Joined FOWA Board
2008

Can also be found at
Northwestern Mutual
Wealth Management
Company as Wealth
Management Advisor.

Roots
I was born in Sydney,
Australia and raised in
Hawai'i.

Education
B.S. in Wildlife Biology

Favorite Aquarium resident
The Potter's Angelfish or Flame Angelfish because of their brilliant colors.

What inspired you to become a FOWA board member?
It's easy to volunteer for something you enjoy. The ocean is Hawai'i's most valuable asset and it is essential that we educate both the tourists and kama'aina about its importance. I have three daughters and I want them to understand it is important to give back to causes you believe in, not only with money, but with your time.

What do you enjoy most about the Aquarium?
The passion of the people who work and volunteer at the Aquarium. We have hundreds of volunteers that put in a great deal of time to make the Aquarium a wonderful experience for everyone.

What do you believe is the Aquarium's role in Hawai'i?
The Aquarium's role in Hawai'i is to help people understand and appreciate the ocean and all of its wonderful sea life. It helps people understand the importance of our living coral reefs and how best to protect and preserve their condition. You can experience more aspects of the ocean in just half-an-hour at the Aquarium than what most people, including avid ocean enthusiasts, will experience their entire lives.

On a personal note
I enjoy surfing and spending time with my wife and three daughters.



Faye Kurren

Joined FOWA Board
1999

Can also be found at
Hawai'i Dental Service,
as president and CEO.

Education
B.A. Stanford University,
M.A. University of
Chicago, J.D. University
of Hawai'i Richardson
School of Law

Roots
Aiea, Hawai'i

Favorite Aquarium resident
Hō'ailona

What inspired you to become a FOWA board member?
My daughter became interested in marine biology as a child. She attended programs at the Aquarium and I discovered what a wonderful resource the Aquarium is for residents and visitors

to learn more about and appreciate our ocean environment.

What do you enjoy most about the Aquarium?
I love the exhibits, the programs for families and the summer concert series, Ke Kani O Ke Kai.

What do you believe is the Aquarium's role in Hawai'i?
The Aquarium teaches us about our ocean environment. It allows us to marvel at fish and other sea creatures we would not otherwise get to see up close and hopefully the experience will cause us to realize the importance of the diversity of ocean life to our well being on planet earth.

On a personal note
My daughter is a marine biologist today. Last year our family swam with manatees while we were on vacation in Florida. We make it a point to visit aquariums all over the world, but none is as special as the one we have at home.



► Jan Knight shows a group of curious visitors the wonders of our critters at the Edge of the Reef.

VOLUNTEER SPOTLIGHT

A Rainbow Connection

The beauty of the Aquarium's spectrum of species continues to spark creativity.

Early for her day of volunteering, Jan Knight meanders her way through the Aquarium's galleries—camera in hand. “It’s my goal to take a good photo of every fish at the Aquarium. Even after four years, I’ve still got a few to go!” says Jan.

Jan Knight has a trove of talents, from photography to scrapbooking to jewelry making, and let’s not forget volunteering. Having been an

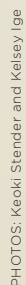
art teacher for 11 years, and now an Aquarium Interpreter since 2008, Jan blends her artistic interests with her love of the ocean to create amazing treasures. “I started getting into photography as a way to capture images for my ocean-inspired pieces. I also scrapbook, which developed as a way to display my photographs.”

Jan’s journey towards becoming a volunteer started after returning from a trip to an Aquarium on the mainland. She had not been to “her own” Aquarium in a while and thought it was time for a visit. “I started talking with one of the volunteers who got me interested in the colors of the fish. That’s what I love about the Waikiki Aquarium...all of the colors.” The colors and patterns found throughout the Aquarium are often the inspiration for Jan’s work. She has created greeting cards with her photos of the Hawaiian morwong, and plans to do the same with the brightly colored peppermint angelfish.

“Every design is inspired by something from the ocean, and there are endless possibilities.”

Although Jan strives to capture all of the Aquarium’s beautiful residents in her art, she often returns to her favorite exhibit: the Atlantic sea nettles, “The graceful, artistic trails of the tentacles create amazing patterns.” Inspired by her favorite sea nettles, Jan’s latest creative venture is crafting glass sea jelly pendants, in collaboration with another local artist, “Every design is inspired by something from the oceans, and there are endless possibilities.”

► The Waikiki Aquarium is fortunate to have so many talented individuals donating countless hours to carry out our mission of education and conservation. Jan is one of over 200 active volunteers at the Aquarium. Volunteers provide more than 17,000 hours every year and are the backbone of our educational outreach. *Interested in volunteering?* For more information, contact Volunteer Coordinator, Mercedes Matthews at 440-9020.





Members' Night

The Aquarium held its annual FOWA meeting and members' night on November 4. This year, experts shared the latest news on Hawaiian monk seal research, rescue efforts and captive rehabilitation currently happening around the Hawaiian islands and at the Aquarium.

Tracy Wurth, research biologist for NOAA's Hawaiian Monk Seal Research Program, discussed some of the current studies on Hawaiian monk seals and new methods to track and observe monk seal behavior. Dera Look, Assistant Regional Marine Mammal Response Coordinator of NOAA Fisheries Service, Pacific Islands Regional Office, shared her experiences managing rescue and rehabilitation efforts (some of which have taken place behind-the-scenes at the Aquarium). Charles Laidley, Aquarium Curator, updated attendees on the current care and conditions of our two monk seals. Renowned artist Patrick Ching was also on-hand to share his talent with guests. It was a swimmingly splendid evening!

The Odyssey Continues: A Special Presentation by Dr. Terrie Williams

The Aquarium enjoyed a visit from friend, author, and marine biologist Dr. Terrie Williams on October 18. Tales of Hō'ailona's (then known as KP2) residency at the Long Marine Laboratory in Santa Cruz were shared that evening. During his time at Long Marine Laboratory, Hō'ailona participated in a metabolic study in a cozy, warm environment created by staff for the tropical seal. The study determined that for optimal energetics, Hawaiian monk seals must live in water less than 60 degrees. Along with sharing her research, Dr. Williams also told the joys and frustrations of training and working with a young, nearly blind seal.

Williams also read excerpts from her book: "The Odyssey of KP2: An Orphan Seal, a Marine Biologist, and the Fight to Save a Species." The book tells the story of Hō'ailona's journey from abandoned pup to Aquarium resident, and all

his stops in between. Many in the crowd had volunteered or worked directly with Hō'ailona, either at the Aquarium or at the various other places he was cared for as a young seal. Guests were treated to a special feeding presentation by the Waikīkī Aquarium's monk seal team. Dr. Williams ended the night with a message that humans, especially those of us in the Hawaiian Islands, can take steps to reverse the declining Hawaiian monk seal population.

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 Kalākaua Avenue, Honolulu, Hawai'i 96815-4027

SEAL vs SEA LION

Do you know their differences?

sea
squirts



I prefer living in **warm**, tropical waters.

Hawaiian Monk Seal

I only have earholes.

"bar ppp"

I make a sound like a loud burp!

We mostly live by ourselves (hence the name "monk" seal, for our solitary nature.).



I can't use my flippers to walk, instead when I'm on land I undulate like an inchworm.



6 weeks

The length of time my mother cared for me after I was born.



I bark like a dog!

I have earflaps, just like you.



9 months

The length of time my mother cared for me after I was born.



I live in large groups of up to 1,500!

I prefer living in **colder** temperatures.



I use my flippers to walk on land and swim in water.

Sea Lion

New & Renewing FOWA Members

The Membership Office recorded these new and renewing memberships between September 1 and November 12, 2012.

Kelli & Jared Acopan
Shelley & Ty Ah Nee
Adele & Blair Akiona
Christian & Stephanie Alvarez
American Society of Landscape Architects
Jodene & Glenn Arakaki
Charles & Alison Arista
Carinthia Armitage
Richard & Judith Armsby
Lina Arquero & Gem Bautista
Mr. & Mrs. David F. Asmus
James W. Austin III
Raleigh & Judy Awaya
Fran G. Ball & Shannon Ball
Joanna & Nathan Baniaga
Mr. Joshua Barnes & Dr. Julie Iezzi
Helen J. Baroni & Rodman Low
Reagan Turner Bell and David Bell
Mr. Stewart K. Bell, Jr.
Leah Benson
Dana Bergeman
Teresa Bill & Steve Yuen
Jervin Bisquera
Deborah C. Blair
Robert Boulette
Mr. & Mrs. Bovaird
Jeff & Rebecca Brown
Karen & Bob Bryant
G. D. Bryant-Greenwood
Ms. Tara Buckley
Ms. Denise Bui
Vicki Bunao
Thomas Burke & Marie Wagner
Dr. Peter D. Caldwell & Ms. Olga Caldwell
Robert Calvert & Mary Rydell
Elizabeth & David Castillo
Warren Chaiko & Tiffany Chaiko
Randolph Chang & Cathy Furukawa
C.P. Chee & Karyn Anne Lee
Michelle Ching
Michael & Young Soon Choe
Ayres Christ
Wesley W. Chun
Mr. Sang Don Chung & Mrs. Hye Ri Joo
Ping Collis
Mr. & Mrs. Edward K. Conklin
Roger Couture & Darlene Weingand
Mr. & Mrs. Domingo Cravalho, Jr.
Bob Crone
Mr. & Mrs. Ronald R. Cunitz
Geraldine DeBenedetti
Andy Do
Thang Do & Quynh Nguyen
Terezie Dobrovolna & Jaroslav Beranek
Mr. Ronald & Dr. Cherie Dubats
Mekia & Ian Earle
Mr. & Mrs. Bernard Fajota
Jean Fantle-Lepczyk & Christopher Lepczyk
John & Elise Ann Fernley
Mr. & Mrs. William Foote
Troy Ford
Mimi Forsyth
Karl & Gina Fukeda
Mr. Lee Funai
Reginald Fung & Jennifer Fung
Mr. & Mrs. Gardner
The Gegg Family
Mr. & Mrs. Pamerika T. Gillet
Sally Glenn

Mr. & Mrs. Gary Goldfein
Eric & Evon Goo
Mr. and Mrs. Michael Goodman
Dr. Gail Grabowsky
Burdene & Susan Hanes
Bryan Harry
Patricia Harwood
Betsy & Les Hata
Tim and Deanne Haugaard
Michael and Kahmei Heihre
Zonia Hill & Gabriel Hong
Dai & Risa Hino
David and Lianne Hirano
Warren Holcomb
Erika Horie
Grace & Robert Hu
Brandon Huey
Mr. James Hutchinson & Mrs. Rhonda Hutchinson
Marlyn & Tom Hutton
Kellie Ibarra & Roy Yokomizo
Chris & Haruyo Ichiki
Chieko & Wallace Iinuma
Cheryl Ann Ikeda & Dawn Inouye
Jean & Jay Ishida
Ms. Keiko Jaffuel
Clarence & Natalie Jenks
Jennifer and Travis Joerger
Jay & Ann Kadowaki
Ms. Violet Kaili
Ann Kai-Millard & Peter Millard
George & Miyako Kajiware
Barbara Kamille
Judy Kamm
Jeffrey & Renee Kaneshiro
Mr. & Mrs. Kenneth M. Kaneshiro
Sandra M. Kaneshiro
Mindy Kao
Linda & Rodney Kato
Stanley & Stephanie Kato
Tracy Kazunaga
Ann and Kent Kedl
Captain David A. Keliikuli & Julia Keliikuli Peters
Dr. & Mrs. Tom Kelleher
Michael Kim & Sila Pang
Seo-Eun & Arthur Kim
Tommy & Melanie Kim
Kerry & Marlene Kiyabu
Mrs. Alisa Klatte
Dennis & Jane Kobayashi
Mr. & Mrs. Derrek N. Kurose
Tetsuo Kuzunishi
Annie Kwok
Sybil S. Kyi
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Kenneth Matsui
Dr. Pam Matsuura
Sherwood D. Maynard & Liz Kumabe

Lurline McGregor
Al and Tanya Mendoza
Ruth Migita & Robert Butchart
Chi Chi & Aidan Millar
Ine Miller
Dr. & Mrs. Li Chung Ming
Beverly Miram-Chu & Douglas Chu
Karl T. Murai
Betty & Edward Muramatsu
Mr. Charlene Murata
Mr. & Mrs. John Nagamine
Elizabeth Neitzel & Paul Sturtevant
Mr. & Mrs. Jeffrey B. Newman
Dayne & Shannon Oba
Seung Woo Oh & Eul Noh
Kathy Tanita Ohama & Kaylee Miyake
Barbara Ohelo
Mr. & Mrs. Owen Okikawa
Mr. & Mrs. Ray Okinishi
Jeanette Orihuela
Dayna & Kyle Oshiro
Mr. & Mrs. Wendell Y. Oumaye
Ian & Kristine Pagano
Erin Palmer
Daphne & Shanlyn Park
Charlotte & Ryan Parsons
Lynn Peters
Dan & Robin Polhemus
S. Premo & C. Palesh
Alexander J. Quisquirin
Mr. & Mrs. Carl Racuya
Tana-Lee Rebhan-Kang
David & Angelina Reynolds
Collette Richards & Lionel Bentley
Conan Rimmer & Janice Wood
Karen Rohter
Rebecca & Bradley Romine
Damian Roncevich
Luis & Maria Rosell
James & Jane Roumasset
Mrs. Marina Roytman & Mr. Peter Poerzgen
Sarah & Joe Rubin
The Ryckman Family
Grace Ryu
Jason & Lorena Sabala
Karl & Masuyo Sadanaga
Eric & Judy Sadoyama
Mr. Carlos A. Santana
Marco Schlessler & Malia Schlessler
Will & Celeste Scruggs
Daniel Shaffer
Mr. Dylan Shen
Mr. Siraj Sheriff
Nelson & Valerie Shigeta
Mr. Dennis Y. Shimabukuro & Mrs. Judy K. Shimabukuro
Mr. & Mrs. Shimoda
Christopher & Stacy Simmering
Stephen Smith
Mr. Jeff Snyder & Mrs. Claudine Snyder
Ms. Avis Sohn
Rachel Spector
Ronald Sprink
Virginia & David Stringer
Mrs. Tara Takatsuka
Mr. & Mrs. Tyler & Yvonne Takehara
Dwain & Karen Tam
Jason & Ayang Tanaka
Mr. Masaya Tanaka
Jodie Tanga & Blancandrea Molina-Vasquez
Chieko & Edward Tateishi
Mrs. Megan Terry & Mr. Sean Terry
Sherry Tisza & Joseph Mottl
Richie-Anne Titcomb
Mrs. Katherine Tominaga & Ms. Lori Tominaga

Robin Truxal
Kamal Ummed MD
Lewis & Raedelle Van Fossen
Deborah Vandersande
Chris & Michelle Wachi
Gary & Karen Wakabayashi
James & Ann Walkinshaw
Phil & Caroline Wang
Mr. & Mrs. Kevin Watanabe
Mr. and Mrs. Jeff Weinkauff
Anthony Westhoff
Jaime M. Wheeler & Derrick Mamiya
Ms. Kari Wilhite & Mr. Randy Shaw
David G. Wilson
Mr. Gregory Wong & Mrs. Caryn Loo
Dennis & Annette Wong
Jesse, Rochelle, Aiden & Ellery Wu
Thomas & Ami Yamachika
Joy Yamada
Mr. Lenn Yamada
Mina & Brent Yamashiro
Tracy Yamoto & Carrie Wedmeyer
Mrs. Julie & Mr. Andrew Yani
Mr. Daryl & Mrs. Sandra Yasunari
Mrs. & Mr. Yates
Julie & Trevor Yee
Michael Yoneshige
JoAnn Yosemite & Grant Ito
Kari Ann & Nelson Yoshino
Don & Judi Young
Mrs. & Mr. Dean Young
Jeffrey & Wendy Yu
Mr. & Mrs. Elmer Y.S. Yuen

If your name is not listed or is listed incorrectly, please accept our apologies for the error and our most sincere thanks for your support.



Orangemargin Butterflyfish
Prognathodes sp.

» The orangemargin butterflyfish (*Prognathodes* sp.) was first reported and photographed during submarine explorations in deep waters off the Hawaiian Islands in 1994. Four years later, it was collected for the first time for scientific examination. This first specimen was collected alive and put on display at the Waikīkī Aquarium. A few weeks later, two more were collected off the south shore of O’ahu and also put on display at the Aquarium. In 2004, Dr. Richard Pyle collected two living specimens off the Waianae

coast at a depth of 420 feet, and these two have been on exhibit in the Aquarium’s “Deep Reef” exhibit in Gallery 2 ever since.

The orangemargin butterflyfish is the only fish at the Aquarium that does not yet have a species name. The scientific description and proposed name of any newly identified species must be published within scientific literature before the name is formally accepted. The genus name *Prognathodes* is established, but the species name remains to be accepted. Now known only

as “*Prognathodes* sp. (species),” it will likely be named in honor of Peter Basabe, who assisted Dr. Pyle in collecting the first specimen.

This species has since been observed at several locations throughout the main Hawaiian Islands, always at depths exceeding 340 feet, often times deeper. At Midway, Pearl and Hermes reef in the Northwestern Hawaiian Islands, the orangemargin butterflyfish has been found in as shallow as 150 feet, a reflection of the cooler waters in the region.

WALL of FAME

The beautiful exhibits at the Waikiki Aquarium and the valuable research and conservation efforts that go on behind the scenes and in the classroom are the result of the work of many. Here we recognize those who support us through their generous donations. Our thanks to all those who believe in what we do.

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

Night Goby
Prionolepis nocturna