

PACIFIC
Currents

Aquarium of the Pacific

SPRING 2018



**CELEBRATING
OUR 20TH ANNIVERSARY**



Modeling Sustainability at the Aquarium

DURING ITS TWENTY-YEAR HISTORY, the Aquarium has sought not only to teach visitors to help protect the environment, but also to model sustainability in its own operations. While the number of Aquarium visitors has steadily increased and its facilities have expanded, energy usage has stayed at a constant level, water usage has been reduced by a third, and the facility's carbon footprint has been cut by 25 percent.

Maintaining the temperature in the Aquarium's exhibits is the facility's largest energy demand. To address this, the Aquarium has installed control devices on its energy systems and insulated its pipes and life support systems for the exhibits. In addition, the Aquarium was a beta test site for Siemen's building management system, which has resulted in an annual savings of 800,000 kilowatt hours. The Aquarium reduces its use of fossil fuels by using a fleet of electric carts and other fuel-efficient vehicles in its daily operations, including some powered by natural gas. It also purchases carbon offsets to counteract the greenhouse gas emissions from its vehicle fleet.

The Aquarium has adopted several strategies to reduce water usage. In total, installing dual-flush toilets, waterless urinals, and touch-free sensor faucets saves 960,000 gallons of water a year at the Aquarium. The Aquarium also saves water through more than 6,000 square feet of drought-tolerant gardens installed around the front lawn area and the *Our Water Future* exhibit. These areas demonstrate the beauty and resilience of a low-water-use garden.

Since 2005 all major construction projects at the Aquarium have been designed and built to sustainable standards. These include the Premier Watershed Classroom, Molina Animal Care Center, the expansion and remodel of the Pacific Collections gift store, and the Pacific Visions wing. The Premier Watershed Classroom was

Efforts include water and energy-use reductions and green building standards.

the first LEED® (Leadership in Energy and Environmental Design) Platinum building in Long Beach. The Pacific Collections gift store earned a 3 Green Globes® certification from the Green Building Initiative, the first among U.S. zoos and aquariums. Pacific Visions will also be built to Green Globes standards that focus on water and energy conservation, environmentally friendly materials, local sourcing, greenhouse gas minimization, and other initiatives.

In 2007 the Aquarium became the first among U.S. aquariums, zoos, and museums to register its greenhouse gas emissions with The Climate Registry and was named a Climate Action Leader™. Other awards and recognition for sustainability efforts include the 2009 Super Nova Star Award for the most energy-efficient business with annual revenues under \$150 million from the Alliance to Save Energy. In 2012 the Aquarium was the first among aquariums, zoos, and museums to receive the Governor's Environmental and Economic Leadership Award, California's most prestigious environmental award, according to the state's Environmental Protection Agency. The Aquarium was awarded a 2015 Cool Planet Award in the education sector from The Climate Registry and Southern California Edison for its efforts in energy and carbon management.

To read more about sustainability at the Aquarium and what you can do to make a difference, visit aquariumofpacific.org/conservation.



More than 6,000 square feet of drought-tolerant gardens have been installed. All new construction projects have been designed and built to sustainable standards.



Letter from the CEO

Dear Members,



I WANT TO THANK THE AQUARIUM'S MEMBERS FOR THEIR SUPPORT DURING THE INSTITUTION'S TWENTY-YEAR HISTORY.

Our members are among our greatest champions in the local community and beyond, sharing their love of the Aquarium and bringing friends and family. Your membership also helps make possible our animal care and education and conservation programs.

Along with our ocean education and conservation mission, the Aquarium's vision is to build natural capital, nature and nature's services, by building social capital, the connections between and among people. This means developing exhibits and programs that go beyond the typical offerings of a public aquarium and that bring people together to celebrate, examine, and envision the future of our relationship with the planet we call home. The Aquarium is an ideal venue for this effort, as it spans many interfaces: that of land and water, science and society, and people and the environment. Our programs are aimed at bridging these interfaces to create a better future for our planet.

The programs we have developed over the years include the Aquatic Forum, Aquatic Academy, and Guest Speaker Series. Each brings scientists, policymakers, and other big thinkers to the Aquarium to share ideas with the public and advance the dialogue on important environmental and societal issues we face. Not only do these offerings help connect the public with the latest research to keep them informed, but also they enrich the Aquarium's standing in the scientific community as a place where important discussions happen.

The visual and performing arts also play a key role in the Aquarium's vision, providing modes of storytelling that help scientists and explorers share their discoveries with the public. A painting or piece of music can create an emotional response in the viewer that inspires curiosity. For this reason, the Aquarium regularly hosts visual and performing arts, as well as more than a dozen annual cultural festivals, as a means of connecting diverse communities with science and the environment.

The Aquarium's films and exhibits also draw on innovative storytelling methods to help visitors examine how humans interact with nature and imagine how this relationship might evolve over time. New technologies and interactive exhibit components that give people the chance to add their voices and ideas to the discussion are a growing emphasis that will see fruition in the new Pacific Visions wing.

I hope you will join us this summer as we celebrate our 20th Anniversary. It will be an exciting time as we showcase our history and look to the future

Sincerely,

Jerry R. Schubel



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Pacific Currents is published for members of the Aquarium of the Pacific. Please send your comments to our editorial staff at pacificcurrents@lbaop.org.

Our Mission: To instill a sense of wonder, respect, and stewardship for the Pacific Ocean, its inhabitants, and ecosystems.

Our Vision: To create an aquarium dedicated to conserving and building natural capital (nature and nature's services) by building social capital (the interactions between and among peoples).

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Aquarium Hours: Open daily from 9:00 a.m.-6:00 p.m. except December 25.

Membership Office Hours: 8:00 a.m.-5:30 p.m. daily

Phone Numbers (562 area code):

General Information 590-3100
Membership 437-3474
Development 951-1605
Lost & Found 951-1733
Private Event Info 951-1663
Gift Store 951-1SEA (1732)



The Aquarium of the Pacific is a non-profit 501(c)3 institution. To provide exciting and innovative exhibits and educational programs, we rely heavily on the generous donations of individuals, foundations, and corporations.



The Power of Dreams



Feed the Rays and See New Animals at the Ray Touchpool

On select dates throughout the year, visitors can purchase shrimp and feed a ray, one-on-one.

GET UP CLOSE AND FEED A RAY this summer! Aquarium visitors can feed a ray in the Ray Touchpool on the second floor outdoors on certain dates throughout the year for \$5. These feedings will be held at 11:30 a.m. and 3:30 p.m. during Memorial Day weekend (May 26–28), in summer (June 30–September 3), Thanksgiving weekend (November 23–25), and during winter break (December 20 – January 1). Purchase a cup of food at the Ray Touchpool at the start of the feeding (cash only, limit of twenty cups sold per feeding). The feeding lasts thirty minutes.

Also, new giant green anemones (*Anthopleura xanthogrammica*) have been added to the Ray Touchpool. Look for these filter feeders attached to the rock work at the pool's edges.



Many of the Aquarium's bat rays in this exhibit are charter animals.



Feed rays at 11:30 a.m. and 3:30 p.m. on Memorial Day weekend and throughout the summer (June 30–Sept. 3) for \$5.

New Parrotfish in Coral Lagoon Have an Unusual Food Supplement

Aquarium staff members sought to replicate these fishes' natural grazing behavior.

FOUR NEW SPECIES OF PARROTFISH have been added to the Coral Lagoon exhibit near the entrance to the Tropical Pacific Gallery. Aquarists have been supplementing the parrotfishes' diet with plaster of Paris. In the wild, parrotfish use their bird-like beaks to pull off chunks of coral to feed. They digest the soft coral tissues that host nutritious algae and excrete most of the hard calcium carbonate structure of the coral undigested, creating what we know as sand that we see on many tropical beaches.

To replicate this natural grazing behavior, aquarists place small blocks of the limestone-based plaster filled with chopped vegetables and shrimp in the exhibit.

The new species include black, yellowfin, globehead, and bullethead parrotfish.



Clockwise from top left: 1. yellowfin parrotfish 2. black parrotfish 3. juvenile bullethead parrotfish 4. feeding on plaster of Paris.

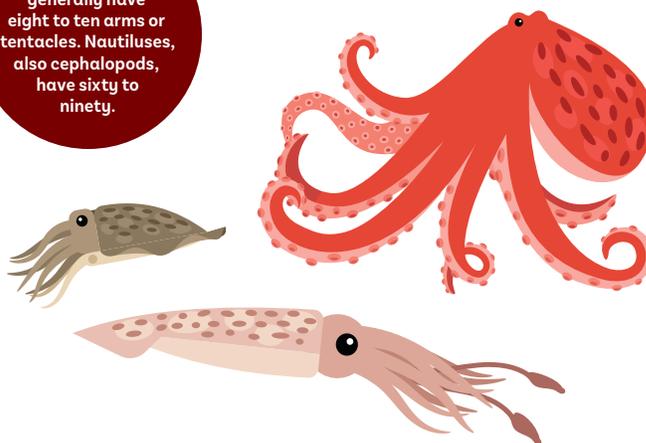
ANDREW REITSMA

New Exhibit Spotlights Cephalopods

Their color-changing ability and intelligence make them a visitor favorite.

THE TROPICAL PACIFIC GALLERY now features a cephalopod exhibit to highlight the beauty and fascinating characteristics of these animals. Cephalopods include squid, octopuses, and cuttlefish, and they can change their color and pattern and shoot a jet of ink when disturbed. The new exhibit, which formerly housed the ribbon dragons, is located across from the Tropical Reef main viewing window and is called Tentacles and Ink.

Cephalopods generally have eight to ten arms or tentacles. Nautiluses, also cephalopods, have sixty to ninety.



Tentacles and Ink will feature animals like cuttlefish, squid, and octopuses to showcase a rotating display of cephalopods.

Once hatched bamboo sharks can grow up to about 3 feet long as adults.

See Baby Bamboo Sharks and Egg Cases in New Display

The free-standing exhibit is home to shark eggs collected in Shark Lagoon.

A NEW EXHIBIT FEATURING baby bamboo sharks and egg cases is now located in Shark Lagoon. The new exhibit is a 75-gallon, free-standing display located just to the right of the smaller touch pool along the bamboo fence in Shark Lagoon. It will display juvenile bamboo sharks, which are born from eggs taken out of the touch pools, as well as windowed shark eggs so visitors can see the developing embryo inside the egg.

Aquarium shark experts carefully cut a window into the egg case that does not disturb the shark but allows visitors to view its development.





CELEBRATING OUR 20TH ANNIVERSARY

On June 20, 2018, the Aquarium of the Pacific will celebrate its twentieth anniversary. Take a look back at the Aquarium's history and join in the celebrations this summer.



HISTORY

The 1998 opening of the Aquarium of the Pacific was anticipated by many in Southern California. By opening day on June 20, more than 30,000 households had purchased charter memberships, earning the Aquarium the distinction of being the U.S. aquarium with the largest number of members on its opening day. Twelve thousand people, the maximum capacity, toured the Aquarium on its first day, and a quarter million visited in the first three weeks.

The official dedication on June 18 was attended by the president of the Republic of Palau and consul generals from Japan, Mexico, and several other countries. The grand opening gala that night was hosted by Bob Goen, a Long Beach native and anchor for *Entertainment Tonight*. Ocean explorer Jean-Michel Cousteau, son of Jacques Cousteau, was in attendance.

Since the opening two presidents have helmed the institution: Warren Iliff served as the founding president and CEO until his retirement in 2002. Jerry Schubel took his place, having previously served as president of the New England Aquarium and dean of Stony Brook University's Marine Sciences Research Center. Today the Aquarium of the Pacific is the nation's fourth most attended aquarium and is home to more than 11,000 animals. In peak season it has over 400 employees and a volunteer corps of over 1,600.

TIMELINE

- 1998** Grand opening
- 2001** Lorikeet Forest opens
- 2002** Shark Lagoon opens
- 2007** Shorebird Sanctuary exhibit opens
- 2008** *Our Watersheds: Pathway to the Pacific* exhibit area opens
- 2009** Aquarium launches Seafood for the Future program
- 2010** Molina Animal Care Center opens
- 2011** Ocean Science Center opens
- 2012** June Keyes Penguin Habitat opens
- 2014** *Southern California Steelhead Story* exhibit opens, Guam Kingfisher aviary built
- 2016** Aquarium breaks ground on first major expansion, Pacific Visions

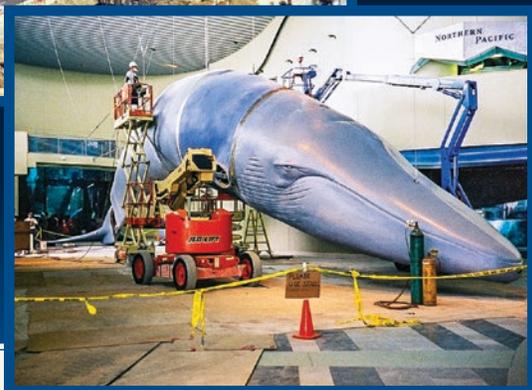


An Aquarium member recalls a surprise animal encounter planned by her then-boyfriend, Jon. "When Parker came out of the water with the buoy, I reluctantly took it from him (he is a 600-pound male sea lion, after all), and on the buoy was a special message. It read "Will you marry me?" Behind me was Jon, on one knee, with a ring. I quickly said yes, and even Parker the sea lion barked with delight. Now, more than three years later, my husband and I still love visiting the Aquarium of the Pacific, and Parker the sea lion, who played a key part in it all."

—Samantha Daneman, Aquarium member



Construction photos: The Aquarium's design mimics ocean waves. The Los Angeles office of Hellmuth, Obata & Kassabaum and Esherick Homsey Dodge and Davis of San Francisco were the architects.



ACHIEVEMENTS AND AWARDS

The Aquarium has earned national and international recognition for its exhibits, films, education programs, and environmental sustainability, and for its standing as a top tourism destination, nonprofit organization, and workplace.

In 2006 the Aquarium was rated the number two Los Angeles area family destination in the *Zagat U.S. Family Travel Guide*, and in 2012 it was recognized in the *Los Angeles Times* Readers' Choice Best of Southern California. The Aquarium tied with Disneyland and the Los Angeles Zoo under the category of best amusement park, zoo, or aquarium. The Los Angeles News Group named the Aquarium seventh out of the top twenty-five workplaces in Southern California in 2013.

The Aquarium goes through a rigorous accreditation process every five years. The Association of Zoos and Aquariums (AZA) first accredited the Aquarium in March of 2000. Accreditation has since been renewed three times. AZA accreditation is important for many reasons. One of the most important is that the Aquarium receives an independent, unbiased review of its operations by expert industry professionals.

The Aquarium has achieved many industry firsts in animal husbandry, including being the first to successfully breed Pharaoh's cuttlefish in 1999 and weedy seadragons in 2001 and to hatch and raise a giant sea bass in 2016. The Aquarium was also the first to successfully reproduce zebra sharks through artificial insemination, to draw a voluntary blood sample from a sea otter, and to develop large-scale touch exhibits for moon jellies and sharks.



Volunteer Abby Henderson grew up with the Aquarium—literally. She was born in the same year as the Aquarium's public opening, 1998. Today, she is studying marine biology and hopes for a career in conservation work, and she traces these aspirations to her childhood days spent at the Aquarium.



My number one memory is my son's first encounter with Santa last year at the Aquarium. This is an amazing memory we will have forever.

—Garry Currier, Aquarium member



ANNIVERSARY EVENTS AND EXHIBITS AT THE AQUARIUM

Join us in celebrating the Aquarium’s twentieth year with special events and exhibits throughout the summer. Starting May 25 the Aquarium will highlight its original animals. Visitors will also learn about the Aquarium’s history and meet new animals at a new cephalopod exhibit in the Tropical Pacific Gallery. On June 6 the Aquarium will host a panel with an original board member and city officials who helped make the Aquarium a reality (see page 12 for details).

Several contests, scavenger hunts, and community challenges will be offered for Aquarium visitors. Look for the platinum Bob the Diver statue hidden in a different exhibit each day, take and post photos at designated selfie stations with the hashtag #AOPandme, and collect embosser stamps in your visitor guide to have the chance to win prizes. For full details on all the contests, visit aquariumofpacific.org.

A short film highlighting the Aquarium’s conservation work will play daily in the Great Hall, and art exhibits celebrating the Aquarium’s anniversary will be displayed on the second floor. The first art exhibit will feature five original pieces by Brian Kesinger, artist for Marvel Comics. Kesinger is a longtime Aquarium fan who has created a series of books about a character named Victoria and her octopus friend, Otto. He is also creating four collectible enamel pins for the anniversary and art prints that will be available for purchase in the Pacific Collections gift store. Kesinger’s art exhibit will be up through September 2, 2018, followed by a commemorative quilt exhibit on September 15, and a display of 20th anniversary art contest winning pieces starting December 15.

The Aquarium’s costumed characters, including a new octopus mascot named Gigi, will be celebrating with new photo-ready party accessories. Members will also be invited to exclusive anniversary parties (see page 10 for details). Be sure to follow the Aquarium on Facebook, Twitter, and Instagram to get word of surprises to be announced throughout the summer.

“The biggest treat of all for me is walking around the Aquarium after I’m done, listening to the visiting children laugh and seeing their eyes light up when they get to touch a real anemone or jellyfish. Watching even the most responsible-seeming adults break into huge kid-like grins as an otter swims by upside down... There’s magic at the heart of Long Beach and you can find it at the Aquarium.”

— Russ Parsons, former food editor at the Los Angeles Times, who now volunteers at the Aquarium, preparing food for and feeding the animals



CHARTER EMPLOYEES AND VOLUNTEERS

The Aquarium of the Pacific has numerous employees and volunteers who have been on board since the beginning. These dedicated staff members helped make the Aquarium a reality.

Charter employees

- Director of Volunteer Engagement Sean Devereaux
- Art Director Brian Gray
- Event Coordinator Michael Kent
- Housekeeping Associate Amanda Martinez de Lopez
- Senior Retail Buyer Nelly Missios
- Assistant Curator of Mammals and Birds Rob Mortensen
- Vice President of Operations John Rouse
- Senior Facilities Technician Bill Sargeant
- Guest Support Specialist Estella Smith
- Cash Control Manager Ellen Stein
- Vice President of Husbandry Sandy Trautwein
- Facilities and Maintenance Manager Tom VanTress
- Housekeeping Associate James Wilson

Charter volunteers

- Barbara Anders
- Diane Blackford
- Richard Boberg
- Dan Dabelstein
- Linda de Ambrosio
- Steve Dodge
- Vicki Gausepohl
- Claudia Harden
- Paulette Hentzen
- Barbara Hill
- Debra Hill
- Val Hoffman
- Roy Houston
- Becky Katzen
- Michael Kohel
- Ken Kurtis
- Caron Laird
- Donna Lasher-Keller
- Robin Riggs
- Hugh Ryono
- Susan Schwartz
- Jeanne Sleeper
- Betsy Suttle
- Gregory Tashima
- Bob Titus
- Leah Young

These lists reflect Aquarium staff members who were hired or volunteers as of June 20, 1998, and have had continuous service at the Aquarium.

CHARTER ANIMALS



BROOK THE SOUTHERN SEA OTTER

At twenty-one, Brook is the oldest female southern sea otter living at a zoo or aquarium. She is known for her regal manner and photogenic looks.



THEO AND LOU THE OLIVE RIDLEY SEA TURTLES

Theo and Lou came to the Aquarium from Texas. They were originally seized as eggs by Fish and Wildlife agents at the Dallas-Fort Worth Airport. Lou lives in the Tropical Tunnel and Theo lives in the Tropical Reef Habitat.



BLACKTIP REEF SHARKS

Three of the Aquarium's blacktip reef sharks, residents of Shark Lagoon, have been on view since 1998. This species is not endangered, but is listed as near threatened.



CHARLIE THE SOUTHERN SEA OTTER

At twenty-one, Charlie is the oldest male southern sea otter living at a zoo or aquarium. He was the first otter in the world to give a voluntary blood sample. He has a habit of sucking his paw.



FERN THE ZEBRA SHARK

Fern is over twenty years old and the mother of two zebra sharks born at the Aquarium after she was artificially inseminated, a first at any aquarium. She is trained to voluntarily participate in medical exams and shark encounters with visitors.



BAT RAYS

Several of the bat rays in the Ray Touch Pool outdoors on the second floor are original Aquarium animals. This species can live up to thirty-five years of age.



SHELBY THE PACIFIC HARBOR SEAL

Shelby is twenty-two years old and the mother of two seals born at the Aquarium. When she arrived at the Aquarium at two years old, staff noted her high energy levels and curiosity.



QUEENSLAND GROUPE

This large fish lives in the Aquarium's Tropical Reef Habitat. It came to the Aquarium from a hotel in Las Vegas, where the fish had outgrown its exhibit. Queensland groupers are the largest reef-dwelling fish in the world.



SUNFLOWER SEA STARS

The Aquarium's charter sunflower sea stars came from Washington state. These sea stars can be found in the giant spider crab and giant Pacific octopus exhibits in the Northern Pacific Gallery.



ELLIE THE ATLANTIC HARBOR SEAL

Ellie is twenty-nine years old and came to the Aquarium from the east coast. She has a vision disability so she relies on her highly sensitive whiskers to navigate her habitat.



GIANT SEA BASS

Two of the three giant sea bass living in Honda Blue Cavern have been Aquarium residents since the opening. A male and female pair, they are the parents of a juvenile, the first hatched and raised at a public aquarium.



CORALS

The Aquarium built its collection of corals in the Tropical Gallery's Live Corals exhibit from outside sources, including specimens donated from local hobbyists. The staghorn coral is from this original colony.



TUFTED PUFFINS

Tufted puffins were the first animals added to the Diving Birds exhibit at the Aquarium. Four of the original six still live at the Aquarium: Val, Speedy, Naia, and Monty.



STONEFISH

Three of the Aquarium's stonefish have been on exhibit since opening day. They came to the Aquarium of the Pacific from another aquarium, which was looking for a new home for the fish after closing their own stonefish exhibit.



FISH-EATING ANEMONES

The fish-eating anemones in the Northern Pacific Gallery's Surge Channel exhibit are from Washington state. They are believed to have no determined lifespan.

* Member Events

Please join us for these select events just for our members and donors.

Member Prom (21+ only)

■ Thursday, May 3

7:00 P.M.–10:00 P.M.

In honor of our upcoming twentieth anniversary, we're getting out the glam for an evening inspired by the Roaring Twenties! Come dressed in your best to do the foxtrot and Charleston to the sounds of our live band. If modern tunes are more your jam, find the DJ and enjoy some throwbacks to 1998. When you need a break from the dance floor, take part in one of our prom activities, enjoy a cocktail from the cash bar, or wander around the kid-free Aquarium.

- Free for members ages 21+ only. Member guests receive 20% off general admission.
- (562) 437-3474 by April 30

Member 20th Anniversary Parties

■ Monday, June 18 (adults 18+); Tuesday, June 19 (families)

6:30 P.M.–9:00 P.M.

Just like any birthday party, there will be lots of fun in store at our 20th Anniversary Parties. Sing happy birthday, get a delicious birthday cupcake, and take a photo with a costumed character dressed in birthday gear. You'll also love taking a trip down memory lane with a special installation of fun Aquarium facts and memories. Members are encouraged to dress in blue as a way to show your Aquarium pride and help honor the Aquarium's dedication to the Pacific Ocean, its inhabitants, and ecosystems.

- Free for members. Member guests receive 20% off general admission.
- (562) 437-3474 by June 13



May 3: Member Prom

* Special Events

The Aquarium of the Pacific hosts a variety of performances, fundraisers, dinners, and other special events throughout the year. Check our website for more details and additional events.

Shark Lagoon Nights

■ Fridays, May 11–June 8 and Sept. 7–Dec. 28 (except Oct. 12 & 26)

6:00 P.M.–9:00 P.M.

Get up close with the ocean's ultimate predators for free during Shark Lagoon Nights. Guests will have the opportunity to touch bamboo sharks, epaulette sharks, and cownose rays and see large sharks, such as sand tiger and zebra sharks in the Aquarium's Shark Lagoon. Cold beer, sodas, and snacks are available for purchase. Live music offered on select evenings. Dates subject to change.

- Free

Mother's Day Brunch

■ Sunday, May 13

10:30 A.M.–1:00 P.M.

Join us for a memorable Mother's Day Brunch at the Aquarium and celebrate the special women in your life. Enjoy a decadent meal and explore the wonders of the Pacific Ocean as you visit over 11,000 animals. All-day Aquarium admission is included. Open seating. Groups of eight or more may reserve a table.

- \$59 per member adult, \$19 per member child, \$69 per non-member adult, \$29 per non-member child

20th Anniversary Celebration Begins

■ Friday, May 25

9:00 A.M.–6:00 P.M.

The Aquarium of the Pacific will celebrate its 20th anniversary. Through special exhibits, programs, contests, challenges, and more, the Aquarium will celebrate twenty years of connecting people with the ocean and will highlight its original animals.

World Ocean Day

■ Friday, June 8

9:00 A.M.–5:00 P.M.

The Aquarium will celebrate World Ocean Day with an array of activities. Aquarium visitors can learn about climate change, ocean pollution, and other ocean issues by viewing films and shows and exploring exhibits. All of this is in celebration of the ocean, which covers

70 percent of Earth's surface and remains 90 percent unexplored.

- Free for members; members' guests receive 20% off regular admission.

Blue Whale Gala

■ Saturday, June 9

6:30 P.M.–11:00 P.M.

Save the date for the Blue Whale Gala in celebration of the Aquarium's twentieth anniversary. This elegant black-tie fundraising event will include an outdoor cocktail reception overlooking Rainbow Harbor and a gourmet dinner in the Great Hall of the Pacific, followed by dessert and dancing under the stars. Proceeds support the Aquarium's education, conservation, and animal care programs.

- \$500 per person
- Info/RSVP: Jillian Koehring, jkoehring@lbaop.org or (562) 951-1613

Long Beach Chorale Concert: Ports of Call

■ Sunday, June 10

7:00 P.M.–9:00 P.M.

Come along with the chorale and Assistant Director Matthew Martinez for a trip around the world. Hear favorite folk songs and new compositions from far-off lands as you enjoy the ambiance and acoustics of the Aquarium.

- \$25 per member adult, \$15 per member child and student, \$30 per non-member adult, \$18 per non-member child and student

Night Dive

■ June 15, July 20, Aug. 24, Oct. 12

7:00 P.M.–11:00 P.M.

At the Aquarium's Night Dive for adults ages 18 and up, enjoy live bands and DJs, check out food trucks in the front plaza, and see works of art by local artists.

- Free for members; \$17.95 for guests.

Father's Day BBQ

■ Sunday, June 17

11:30 A.M.–1:30 P.M.

Treat your dad to a memorable Father's Day at the Aquarium. The celebration includes admission, a delicious meal, and crafts for the kids. Space is limited so reserve your spot today and take advantage of this great value. All-day Aquarium admission is included.

- \$49 per member adult, \$18 per member child, \$59 per non-member adult, \$28 per non-member child

For tickets and information, visit aquariumofpacific.org or call (562) 590-3100, ext. 0.

Summer Discounted Late Nights

■ **Sundays, June 17–Sept. 2**
5:00 P.M.–8:00 P.M.

On summer Sundays, admission will be just \$14.95 for adults and children after 5:00 p.m., and the Aquarium will remain open until 8:00 p.m. The Aquarium's short films will be shown in the Ocean Theater throughout the evening. Please note: Lorikeet Forest closes at 4:30 p.m.

- Free for members; \$14.95 for guests.

Teacher Family Day

■ **Friday, June 22**
9:00 A.M.–12:00 P.M.

Teachers are invited to treat themselves and a guest to a day of wonder and exploration at the Aquarium. Education staff members and informational tables will be available for teachers to learn more about field trip opportunities and resources. Also, discover our new summer exhibits highlighting the Aquarium's 20th anniversary. This event is intended for teachers working in schools. Please bring a school or district ID, pay-stub, union card, or other proof of eligibility.

- \$6 admission to all pre K-12 teachers and school support staff with valid identification. Friends and family are only \$10 per person with a limit of four.

July 4th Late Night & BBQ

■ **Wednesday, July 4**
5:00 P.M.–10:00 P.M.

Celebrate Independence Day with the red, white, and blue fish at the Aquarium of the Pacific. Families will be able to witness the ambiance of the Aquarium at night and get a fish-eye view of the Queen Mary fireworks display. Wave the flag, watch the fireworks, and enjoy some freshly grilled BBQ. You will also be able to journey inside the Aquarium to see wonders of the sea until 10:00 p.m. BBQ seating at 6:00 p.m.

- **Premium seating on the Veranda:** \$69 per member adult, \$28 per member child, \$79 per non-member adult, \$38 per non-member child.
- **Regular seating on Harbor Terrace and front plaza:** \$54 per member adult, \$18 per member child, \$64 per non-member adult, \$28 per non-member child.

First Responders Day

■ **Tuesday, September 11**
9:00 A.M.–5:00 P.M.

Police officers, sheriff's deputies, and firefighters receive free admission on September 11. Contact your union or association to purchase discounted tickets for friends and family before coming to the Aquarium.

- Free for police officers, sheriff's deputies, and firefighters with a current and valid service ID.

Homeschool Days

■ **Wed. & Thurs., September 12–13**
9:00 A.M.–12:00 P.M.

Homeschool networks, students, parents, and teachers are invited to the Aquarium's Homeschool Days. While the Aquarium will be open to the general public, no classroom-based school trips will be booked during these days. This will allow our educators to bring you ocean-related activities and biofacts throughout the morning. These engaging learning stations will allow students of all ages to experiment, investigate, and explore marine habitats and concepts.

- \$6 per person

California Coastal Clean-Up Day

■ **Saturday, September 15**
9:00 A.M.–12:00 P.M.

Join the Aquarium in cleaning up the beach at the end of the Peninsula in Long Beach as part of Coastal Clean-Up Day. Gloves and bags will be provided. Check in at the Aquarium booth at Ocean Blvd. and 27nd St. to receive your cleaning supplies.

- Free, no RSVP required.

Aquarium 5K & Kids Fun Run

■ **Saturday, October 6**
9:00 A.M.–2:00 P.M.

The Aquarium will partner with the Long Beach Marathon to host the annual one-mile Kids Fun Run and the event's 5K Run/Walk, which will include the Aquarium in the course. Sign up early as both events are expected to fill up quickly. The Kids Fun Run will start in age group waves from 9:00 to 10:30 a.m.

- Aquarium 5K: \$35; Kids Fun Run: Free
- runlongbeach.com or (562) 427-4606

Seniors Day

■ **Monday, October 8**
8:30 A.M.–1:30 P.M.

The Aquarium will open its doors for free to people ages fifty and above. Special exhibits for seniors will include booth displays by the Aquarium's volunteer services and education staff.

- Free to visitors ages 50 and over with a valid photo ID.



JONATHAN BACASA

Oct. 14: Photographers Night

Photographers Night

■ **Sunday, October 14**
5:30 P.M.–10:00 P.M.

This is your chance to take the photos you have always wanted at the Aquarium. Professional and amateur photographers are invited to capture the Aquarium's wildlife during exclusive photographers-only hours. Meet vendors, test new equipment, attend workshops, and meet other wildlife photo enthusiasts.

- \$26.95 per member, \$29.95 per non-member

Sea Fare

■ **Saturday, October 20**
7:00 P.M.–11:00 P.M.

Save the date for a culinary adventure at the Aquarium's fifteenth annual Sea Fare fundraiser. Sip and savor your way through the Aquarium galleries with an open bar and tastes from over 25 local restaurants, bid on an array of items in the live and silent auctions, and dance with the fish. Proceeds will benefit the Aquarium's education, conservation, and animal care programs.

- \$150 per person

* Festivals

Experience our community's diverse cultures and their connections to the ocean and environment. All festivals are free for members; member's guests receive 20% off regular admission.

Pacific Islander Festival

■ Saturday & Sunday, June 2-3

Discover the rich and diverse cultures of the Pacific Islands through traditional craft demonstrations, educational programs, storytelling, and music and dance performances. The Aquarium's annual Pacific Islander Festival will celebrate various cultures, including Hawaiian, Fijian, Marshallese, Chamoru, Tahitian, Samoan, Tokelau, Tongan, and Maori.

Moompetam Native American Festival

■ Saturday & Sunday, September 22-23

In celebration of Native American cultures, the Aquarium will host its annual Moompetam Festival. This weekend celebration will feature traditional cultural crafts, storytelling, educational programs, live demonstrations, music, and dance celebrating the indigenous California maritime cultures, including Tongva, Chumash, Acjachemen, Costanoan, Luiseno, and Kumeyaay.

Baja Splash

■ Saturday & Sunday, September 29-30

Celebrate Hispanic Heritage Month and Mexican Independence Day with live entertainment, crafts, and educational programs. The diversity of Hispanic cultures will be highlighted through song, dance, art, and cultural displays. Mariachi music, Mexican folkloric and Aztec dance troupes, interactive mural painting, Salvadoran dance, Guatemalan performances, and other special programs are featured.

Southeast Asia Day

■ Saturday, October 13

The Aquarium will celebrate its annual Southeast Asia Day highlighting the beauty and diversity of the cultures of Cambodia, Thailand, Vietnam, Myanmar, Laos, and Indonesia. Guests will enjoy live performances, including music, dance, and cultural craft demonstrations. Children will have the opportunity to partake in arts and crafts.

* Guest Speakers

Lectures are free for Aquarium members, teachers, seniors age 62 and up, and students with valid ID and advanced reservations. Otherwise, tickets are \$5. All lectures start at 7:00 p.m. and are streamed live. Visit aquariumofpacific.org/news/lectures.

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Panel Discussion | The Aquarium's 20th Anniversary

■ Wednesday, June 6

A panel moderated by founding Board Director Doug Otto and featuring former Long Beach Mayor Beverly O'Neill, former City Manager James Hankla, Queensway Bay Project Director Robert Paternoster, and Aquarium developer Dennis Biggs will share stories and photos on how the Aquarium went from a fleeting idea to an impressive reality. See original construction photos, hear about challenges and accomplishments, and get an insider's look from the people who made it happen.

Albert George | The Resilience Imperative

■ Thursday, June 7

In this lecture Albert George will discuss how communities can develop proactive plans to promote resilience and mitigate risks in the face of climate change and sea level rise. George is the director of conservation at the South Carolina Aquarium in Charleston, South Carolina.

Dominique Rissolo | Submerged Ice Age America: The View from Yucatan

■ Tuesday, June 12

Archaeologist Dominique Rissolo will discuss his experiences exploring the Yucatan's coastal sites and caves in search of Maya antiquities related to seafaring, commerce, and ritual practice. His work applies computer science and engineering to develop tools and documentation methods for cultural heritage research on underwater sites. Rissolo is an assistant researcher at the University of California, San Diego's Qualcomm Institute.

Andrés Pruna | One Man's Journey in Pursuit of Art in Nature

■ Wednesday, June 27

Andrés Pruna is a Cuban American artist, former National Geographic photographer, and independent filmmaker. He has combined his love of nature, his training as a painter and illustrator, and his skills in both photography and diving into a life of adventure in the pursuit of art that documents nature. In his lecture he will share stories of his experiences, photos, and film clips documenting his travels, mainly in Patagonia. He will discuss marine wildlife, including penguins and other seabirds and marine mammals such as orcas and elephant seals, and environmental changes he has observed over the years. The Aquarium will display an exhibit of his artwork on the second floor of the Great Hall starting June 27 through the end of summer.



July 10: Tyler Phelps, Deep Beneath the Sea: Exploring the Twilight Zone.



July 31: Mike Bartick, Blackwater Diving: Exploring the Night Sea

Tyler Phelps | Deep Beneath the Sea: Exploring the Twilight Zone

■ Tuesday, July 10

Tyler Phelps, a former Aquarium volunteer, will discuss using advanced technical diving to explore deep reefs in Hawaii with a team from the California Academy of Sciences. Phelps will share the team's current research, data collection methods, and stories from his experiences while conducting this research. Phelps is a graduate student with the California Academy of Sciences in San Francisco pursuing mesophotic fish ecology research as part of their global Hope for Reefs Initiative.

Tapan Pathak | The Future of California's Agriculture

■ Thursday, July 26

Tapan Pathak, specialist in climate adaptation in agriculture at the University of California, Merced, will discuss the potentially devastating impacts of climate change on California's \$50 billion agriculture industry. These include more drought and flooding, severe heat waves, and plant diseases and pests, which could affect the viability of certain crops and reduce yields. Pathak led a team of researchers that published a paper on this issue in the journal *Agronomy* in February.

Mike Bartick | Blackwater Diving: Exploring the Night Sea

■ Tuesday, July 31

Mike Bartick is an avid diver and photographer whose work concentrates on the macro fauna of the Verde Island Pass located near Anilao, Philippines. In this lecture Bartick will share photos and stories from his experiences exploring the ocean at night, including images of gelatinous sea jellies, sea snails, squid, and paper nautilus—some of the ocean's ancient animals. Drifting on the night current in the open ocean with nothing more than a lit buoy line, he explores the night sea to photograph the unique and often unseen animal life that resides there. Bartick is a field guide who conducts photo safaris, lectures, and seminars. His photos have been published in *Sport Diver*, *Diver Life*, and other publications.

John Fraser | Conservation Momentum

■ Tuesday, August 7

John Fraser is president and CEO of NewKnowledge, a social science think tank aimed at building healthy democracy and a thriving biosphere. His lecture will synthesize research conducted over the past sixteen years under the banner of Why Zoos and Aquariums Matter (WZAM), a coordinated social science effort that describes the roles and opportunities zoos and aquariums can play in advancing a conservation ethos. The presentation will draw on research results from collaborative projects involving the Aquarium and the most recent findings from WZAM3 on how public trust offers opportunities for increased conservation action.

Dr. Drew Lohrer | Science Under the Ice: Dive with Coastal Marine Ecologists Under Sea Ice in Antarctica

■ Thursday, August 16

In October 2017 a team of scientists from New Zealand and Finland travelled to Antarctica to complete the 2017 Science Under the Ice expedition, which involved weeks of camping and diving under thick sea ice at one of the world's southernmost accessible dive sites. Led by marine ecologist Dr. Drew Lohrer, the aim of the expedition was to explore how climate change is affecting marine biodiversity along the Antarctic coastline. Dr. Lohrer will show images and video to explain why and how they do science under the ice. He is a principal marine ecologist at the National Institute of Water and Atmospheric Research in New Zealand.

Dr. James Danoff-Burg | Community-Based Conservation

■ Thursday, August 23

Caring for nature is among the greatest challenges we have, particularly when some of our largest and most charismatic animals such as the vaquita, an endangered porpoise, and rhinos are the victims of escalating rates of poaching. In this talk, Dr. James Danoff-Burg will discuss how genuinely engaging communities can help address poaching. Dr. Danoff-Burg is the director of conservation at The Living Desert in Palm Desert, California.

Andrew Policano | From Ivory Tower to Glass House: Strategies for Academic Leaders During Turbulent Times

■ Thursday, September 13

This discussion will provide an inside look at the future of public universities in a world of declining taxpayer support. Some of the key issues include who should pay for college, who should lead universities, whether tenure should be abolished, whether donors should play a more strategic role, and if distance education is the answer. Andrew J. Policano is former dean and professor emeritus of economics and public policy at The Paul Merage School of Business, University of California, Irvine. After the lecture, Policano will sign copies of his book, *From Ivory Tower to Glass House: Strategies for Academic Leaders During Turbulent Times*.

Panel Discussion | New Program Launch: Meet the Ocean's Farmers

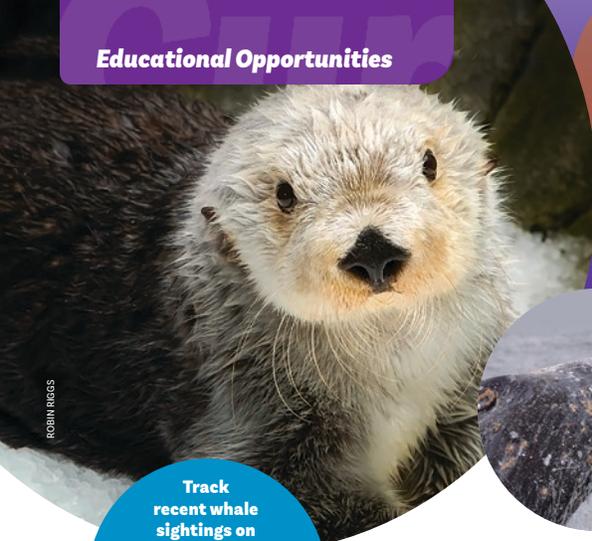
■ Thursday, September 27

Join the Aquarium's Seafood for the Future program and a panel of experts from the conservation, science, and seafood communities for the launch of a short video series and an app-based interactive about marine aquaculture in the U.S. Attendees will have the chance to sample local, responsibly harvested seafood starting at 6:15 p.m.; preview the video series and interactive; and meet the scientists and seafood farmers.

*Aquarium
of the Pacific*







ROBIN RIGGS



Track recent whale sightings on Twitter (@OceanWatchLB) or our blog: aquariumofpacific.org/blogs/category/whale_watching

Whale Watching CRUISES

Whale Watching and Dolphin Cruise

Seasonal

TWICE DAILY, DEPARTING AT 12:00 P.M. AND 3:00 P.M.

The Pacific Ocean is home to many wondrous animals year round. Join us as we search for whales, dolphins, seals, sea lions, and other marine life on our Whale Watching and Dolphin Cruise. This is an experience you and your family will not soon forget!

- **Members: \$25 per adult, \$20 per senior (ages 62+), \$15 per child (ages 3-11). Non-members (includes Aquarium admission): \$49.95 per adult, \$45.95 per senior, \$33.95 per child.**
- 2-2.5 hours
- (562) 590-3100, ext. 0

Blue Whale Watching Trips

Summer season

TWICE DAILY, DEPARTING AT 12:00 P.M. AND 3:00 P.M.

Join naturalists and experts from the Aquarium for an ocean voyage in search of the largest animal on the planet—the blue whale. Along the way we will also have the opportunity to spot dolphins, seals, sea lions, and other marine animals.

- **Members: \$45 per adult, \$35 per senior (ages 62+), \$25 per child (ages 3-11). Non-members (includes Aquarium admission): \$59.95 per adult, \$24.95 per senior, \$56.95 per child.**
- 3-3.5 hours
- (562) 590-3100, ext. 0

The Urban Ocean: World Port and Sea Life Cruise

June 9, July 14, August 11 & Sept. 8

4:00 P.M.-6:30 P.M.

The waters off Long Beach and San Pedro host a variety of industrial and recreational activities and also provide habitat for a diverse array of animals. Embark on a journey to visit one of the most distinctive sections of the local coastline and experience the wonders of Southern California's urban ocean. During this 2 to 2.5 hour voyage you can explore the port complex and see where wildlife thrives among bustling human activity.

- **\$26.95 per adult member, \$8 per child member; \$39.95 per adult non-member, \$15 per child non-member (includes Aquarium admission).**

Tours & Encounters

These programs are opportunities to see the Aquarium in a different light and get up close to the animals.

Behind-The-Scenes Tours

See what it takes to maintain a world-class aquarium, from water filtration to animal care and feeding. Venture to the top of our largest exhibit and discover more about the Aquarium!

- \$15 per member, \$19 per non-member
- Children must be age 7 or older.

Animal Encounters

Animal encounters offer a chance to feed a sea otter, train a sea lion, feed a shark, or hang out with a penguin. Age restrictions apply. Penguin encounters on hiatus through July 4.

- **\$99 per member, \$109 per non-member (Aquarium admission included). Pre-registration required at least 24 hours in advance.**

Dive Immersion

Daily with reservation 3:00 P.M.-5:00 P.M.

Certified SCUBA divers can dive in our warm 350,000-gallon Tropical Reef Habitat with more than 600 animals.

- **\$279 per member, \$299 per non-member**
- **Age 15 and up. Ages 15-17 require a supervising adult to also sign up for the dive.**

VIP Experiences

By reservation.

Get even closer to our animals in this exclusive experience! Tour the Aquarium and meet two separate animals. Choose from Otters and Octopus, Penguins and Sea Lions, or Sharks and Rays. Participants must be 10 years old for VIP experiences, except for Sharks and Rays (minimum age: 13). Penguin encounters on hiatus through July 4.

- **\$330 per member, \$350 per non-member (Aquarium admission included).**
- **Pre-registration required at least two weeks in advance.**



EDUCATIONAL OPPORTUNITIES



Family Programs

Family programs give children of all ages the chance to participate in fun classes with an Aquarium educator. Every class brings another opportunity for learning more about the ocean, discovering new things about the Aquarium, and exploring marine life. Pre-registration is required.

Job Shadow Class

Four rotating themed programs.

■ First Saturday and third Sunday of every month

9:00 A.M.-12:00 P.M.

- Ages 13-17
- \$35 per member, \$39 per non-member (Aquarium admission not included)

Junior Biologist

Six rotating themed programs.

■ Second and fourth Saturday of every month

9:30 A.M.-11:30 A.M.

- Ages 7-12
- \$25 per member, \$29 per non-member (Aquarium admission not included)

NEW!

Parent and Me Classes

Introducing an all-new class at the Aquarium! Parent and Me classes allow parents and children to learn together through play, movement, and exploration. Participate in interactive activities, Aquarium tours, and creative crafts with other families. Topics will include otters, octopuses, penguins, and sharks. Join the Aquarium for a class that is fun for the whole family!

Parent and Me

■ Every third Saturday

10:00 A.M.-11:30 A.M.

- Ages 2-6 years old with an adult
- \$19 per member/child pair; \$10 for additional guests. Non-members: \$49 per adult/child pair; \$20 per additional guest (Aquarium admission included).

Teen Overnight

■ Wednesday, July 11 at 5:00 p.m.-Thursday, July 12 at 7:30 a.m.

Enjoy a night sleeping with the fishes in this teens-only event. Start the night with a pizza party before becoming an ocean explorer to discover the mysteries of the deep sea. This overnight camp program includes Aquarium exploration, hands-on activities, a pizza party, light snack, cereal breakfast, and a souvenir T-shirt.

- Ages 13-15
- \$80 for members, \$90 for non-members

Summer Day Camps



Dive into fun this summer! Whether your child is three years old or entering high school, we have a camp experience perfect for him or her. Our camps feature exciting animal interactions, tours, crafts, games, and experiments.

Fish Fry

■ 8:30 a.m.-10:30 a.m. for 3 days

- Ages 3-4 with adult
- \$100 per member pair, \$130 per non-member pair (Aquarium admission included)

Ocean Adventure

■ 8:00 a.m.-5:00 p.m. for 5 days

- Ages 7-9
- \$299 for members, \$329 for non-members

Sea Squirts

■ 8:30 a.m.-11:30 a.m. for 3 days

- Ages 5-6
- \$95 for members, \$120 for non-members

Junior Biologist

■ 8:00 a.m.-5:00 p.m. for 5 days

- Ages 10-12
- \$299 for members, \$329 for non-members

For summer camp scheduling and to reserve spaces, visit the Aquarium's website or call (562) 590-3100, ext. 0.

The Aquarium also offers year-round education programs for children of all ages. To learn more, visit aquariumofpacific.org/education/programs or call (562) 590-3100.

SCAVENGER HUNT: Around the Aquarium

AS A MEMBER, you are probably familiar with most of the Aquarium's exhibits. Some of you could probably lead a tour for your friends! However, this scavenger hunt is designed to test even the most seasoned Aquarium visitor. Can you find these tricky items?



1. Easter Island Moai Sculpture

Can you find this sculpture? It was carved on Easter Island by native artist Iovani Teave, who gave it to the Aquarium in 2004 as a gift from the Rapa Nui people.



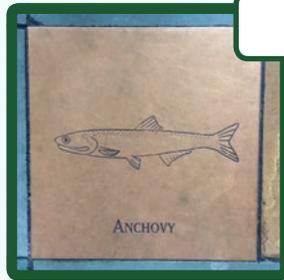
4. Historical Diving Gear

Do you recognize this large air helmet? This historical diving gear dating from around 1930, plus a set of boots in a nearby display, is located somewhere on the second floor.



2. Existential Shark

Find this shark somewhere on the first floor! The Aquarium staff jokingly calls this leopard shark "Existential Shark" because of the unusual markings on its side that seem to spell "I AM."



5. Anchovy Brass Floor Tile

When you visit the Aquarium, you probably notice the different colored tiles on the floor in the Great Hall, and maybe you have spotted the special brass animal tiles that highlight Pacific Ocean animals. See if you can find the anchovy tile!



3. Monarch Butterfly Chrysalis

During most of the year you can find butterflies in all stages of their development in the Aquarium's Monarch Butterfly Garden. To find a chrysalis, the protective covering formed while a monarch pupa turns into a butterfly, you might have to search a little harder. Here's a hint: look underneath!



6. Acme Seafood Co. Sign

This piece of décor is located somewhere outdoors at the Aquarium. To find it, you'll have to ...explore! When you explore the ocean, you usually need a boat. If you can find a boat for playing on, you might be able to find this sign.



7. Sea Turtle Statue

This statue is located somewhere outdoors at the Aquarium, near a place where you might hear stories read aloud or see a puppet show. Stay low to the ground to find it.



8. Fish Anesthesia System

This important equipment is used to conduct medical exams and surgeries on fish here at the Aquarium. It keeps the fish hydrated and comfortable during these procedures. That should give you a big hint as to where to find it!

- KEY**
1. Shark Lagoon, next to the walkway to the big viewing window
 2. Amber Forest exhibit
 3. Under the benches around *Our Water Future*
 4. Outside Café Scuba on the second floor
 5. Near the coffee stand in the Great Hall
 6. On the side of the dive shack by the boat in Shark Lagoon.
 7. Behind the picnic tables between Lorikeet Forest and the Marine Life Theater
 8. Inside the Molina Animal Care Center

Fish-Eating Anemone

Urticina piscivora



Aquarium of the Pacific

SURGE CHANNEL • NORTHERN PACIFIC GALLERY

Tufted Puffin

Fratercula cirrhata



Aquarium of the Pacific

DIVING BIRDS • NORTHERN PACIFIC GALLERY

Stonefish

Synanceia verrucosa



Aquarium of the Pacific

JEWELS • TROPICAL PACIFIC GALLERY

Fish-Eating Anemone

Urticina piscivora

PHYSICAL CHARACTERISTICS

These anemones average about 8 inches tall and 10 inches across. They have a red column-shaped body and white tentacles.

DIET

While other anemones feed on smaller bits of food that float into their path, fish-eating anemones feed on shrimp and small fish, using their sturdy tentacles armed with stinging cells.

HABITAT

They are found on rocky reefs and pier pilings from Alaska to Southern California.

FUN FACT

There is research suggesting that anemones have an indeterminate lifespan and have been recorded to live for nearly a century.

Tufted Puffin

Fratercula cirrhata

PHYSICAL CHARACTERISTICS

Tufted puffins are between 11 and 16 inches tall with black feathers and a thick orange beak. They get their name from the tufts of longer white feathers on either side of their heads.

DIET

These birds forage primarily underwater for squid, krill, fish, octopuses, sea jellies, and crabs.

HABITAT

These puffins spend most of their lives in the open ocean, but during the breeding season they nest on coasts and islands in the Northern Pacific.

FUN FACT

Tufted puffins form breeding pairs that often last for many years.

Stonefish

Synanceia verrucosa

PHYSICAL CHARACTERISTICS

Stonefish average about 11 inches long and are usually brown or gray in color, with some red, orange, or yellow splotches.

DIET

These fish use camouflage to ambush their prey of fish and crustaceans.

HABITAT

Stonefish live in coastal areas of the Indo-Pacific Ocean. They often sit motionless, using their camouflaging abilities to blend in with the surrounding rocky reefs.

FUN FACT

This species has thirteen spines loaded with a potent toxin, making it the most venomous of all fishes. Its sting can be fatal to humans.

#AquariumMemberPhotos



@_motherofdaughters



Jeffry Talavera



@lali_becks

For a chance to be featured, tag your public photos with **#AquariumMember** on Instagram, or email your favorite photos to MemberServices@lbaop.org.



Artist Rebecca Rutstein creates a data visualization during an expedition studying the Mekong River plume onboard the Schmidt Ocean Institute's research vessel *Falkor*.

Artists document science and data on ocean expeditions.

Aquarium Displays Artwork Created On Board Research Vessel

THE AQUARIUM IS HOSTING AN EXHIBIT of artwork from the Schmidt Ocean Institute's Artist-at-Sea program. The exhibit features artwork made from and inspired by the science projects conducted on the *Falkor*, the institute's research vessel. Media include watercolor paintings, drawings, photography, fiber art, comics, and data visualizations by artists Rebecca Rutstein, Molly Homberg Brown, Kirsten Carlson, Michelle Schwengel-Regala, and others. The exhibit will be on display at the Aquarium until May 31, 2018, outside the entrance to the Tropical Pacific Gallery on the second floor.

The Schmidt Ocean Institute, a nonprofit foundation established to advance oceanographic research, operates its Artist-at-Sea program to apply artists' storytelling abilities to ocean science and conservation. The program brings experts from different disciplines together and fosters cross-pollination of ideas to transform both the scientists' and artists' work. Priority goes to artists who incorporate elements of technology or cutting-edge methods into their techniques or media. Artists work side-by-side with scientists to produce meaningful collaborations and immerse themselves in day-to-day ship life.



The topping-off ceremony celebrates the placement of the last steel beam.



Magellanic penguin Admiral Fancy pants "signs" the last steel beam using paint on his feet.

Aquarium Expansion Reaches Milestone

ON JANUARY 30 the Aquarium celebrated the placement of the final steel beam in the structure for its new wing with a topping-off ceremony. A tradition among builders, the ceremony marked a milestone in the construction of Pacific Visions, the Aquarium's first major expansion. Pacific Visions will open to the public in spring 2019.

Several traditions are associated with topping-off ceremonies, including having the last beam signed by people with important connections to the new building. The Aquarium's beam was signed by staff members, Pacific Visions donors, representatives from general contractor Clark Construction, Long Beach Mayor Robert Garcia, and Admiral Fancy pants, one of the Aquarium's Magellanic penguins, who signed by walking across the beam with paint on his feet. It is also traditional to have a tree and a broom at a topping-off ceremony. The tree comes from the Nordic practice of making an offering to the forest gods, and the broom represents a clean sweep with no accidents.



View marine life collected outside the Aquarium and log your data on the iNaturalist website.

Aquarium Show Collects Data on Local Marine Life

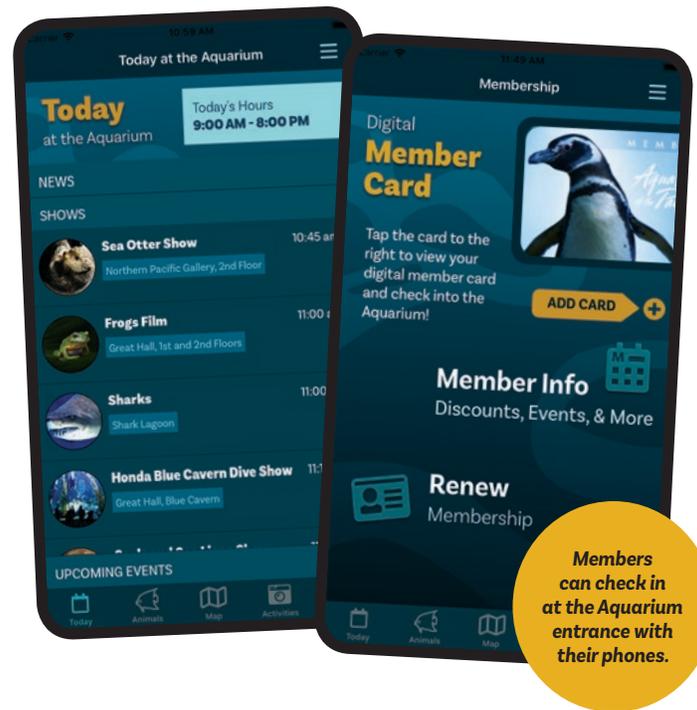
USING A CITIZEN SCIENCE WEBSITE AND APP maintained by the California Academy of Sciences called iNaturalist, Aquarium visitors and staff members are logging their observations of local marine life during shows in the Marine Life Theater. The Aquarium's education department added this element to its Critter in a Crate shows, which give visitors the chance to see animals, algae, and other organisms in a specimen sample collected daily from nearby Rainbow Harbor.

About two years ago, staff members began suspending milk crates on a length of rope from the dock outside the Aquarium's front entrance. After a period of time, the crates are brought up with an accumulation of diverse marine life typically found on dock pilings and the undersides of boats. These organisms are collected and brought to the Marine Life Theater for Critter on a Crate, allowing the audience to see the various ocean animals that live right outside the Aquarium.

Aquarium educators have catalogued thirty-five total observations and documented eighteen species of ocean animals during Critter on a Crate shows.

This year Aquarium educators started incorporating the iNaturalist app to document the animals observed during these shows, encouraging attendees to become citizen scientists and log their own observations. Aquarium educators have catalogued thirty-five total observations and documented eighteen species so far. These include flatworms, striped shore crabs, scale worms, opalescent nudibranchs, and sea urchins.

To participate in a Critter on a Crate show, check the Show Times Aquarium insert in the visitor guide or the Aquarium app for iPhone and Android and look for Explorer Time at the Marine Life Theater in the schedule. To see the observations logged by Critter on a Crate participants, visit the program's page on the iNaturalist website (inaturalist.org).



Updated Aquarium App Includes Digital Membership Card

IN LATE MAY THE AQUARIUM'S WEB TEAM will release an update for its app for iPhone and Android smart phones. The app has been overhauled to improve the look and user experience, and several new features have been added.

When users open the app, it will display a landing page that includes the Aquarium's hours and show schedule for that day, news, and upcoming events. The Aquarium map has been redesigned with more detail and interactive features, making it easier to navigate. Users will be able to take photos and selfies with special Aquarium-themed filters and use QR codes posted on each visitor guide embosser located around the Aquarium to collect embosser stamps virtually.

Use the new Aquarium app to take photos with special Aquarium-themed filters, check in with your digital member card, and collect virtual embosser stamps.

The app will also include a tab with features just for members, including a new digital membership card. Members will be able to scan or type in their member number, and the app will create and store a digital version of their membership card. Members will then be able to use the app to check in at the main entrance.



Aquarium CFO Anthony Brown (right) visited Kiribati in December 2017 and met with Christine Greene, Kiribati's honorary counsel to the United States.

Aquarium Joins Board of Marine Protected Area

THE AQUARIUM HAS JOINED THE BOARD of the Phoenix Islands Protected Area (PIPA), a marine protected area in the island nation of Kiribati and home to one of Earth's last intact oceanic coral archipelago ecosystems. The board's mission is to support and maintain PIPA with advice and guidance from its government and non-governmental organization partners. Aquarium CFO Anthony Brown traveled to Kiribati in December to learn more about PIPA and the challenges it faces, including pollution, poverty, and sea level rise.



July 4th BBQ and Late Night

WEDNESDAY, JULY 4 • 5:00 PM - 10:00 PM
BBQ seating at 6:00 PM

PRICING: Includes Aquarium admission.

Regular seating on Harbor Terrace and Front Plaza		Premium seating on the Veranda	
General Public:	Members:	General Public:	Members:
Adults: \$64 (12+)	Adults: \$54	Adults: \$79 (12+)	Adults: \$69
Child: \$28 (3-11)	Child: \$18 (3-11)	Child: \$38 (3-11)	Child: \$28 (3-11)



Seahorse dads give birth to their babies.

Father's Day BBQ

SUNDAY, JUNE 17 • 11:30 AM - 1:30 PM

PRICING:	General Public:	Members:
Includes Aquarium admission	Adults: \$59 (12+)	Adults: \$49
	Child: \$28 (3-11)	Child: \$18 (3-11)



Mother's Day Brunch

SUNDAY, MAY 13 • 10:30 a.m. to 1:00 p.m.

PRICING:	General Public:	Members:
Includes Aquarium admission	Adults: \$69 (12+)	Adults: \$59
	Child: \$29 (3-11)	Child: \$19 (3-11)

Fundraising Highlights

The Aquarium of the Pacific relies on individuals, corporations, foundations, and government partners to support its mission and vision with contributions to the operating budget and a diverse range of projects.

20 YEARS OF FUNDRAISING



EIGHT charter corporate and foundation donors have contributed more than **\$15 MILLION**. THANK YOU

American Honda Motor Co., Inc., Bank of America, The Boeing Company, Edison International, Kenneth T. and Eileen L. Norris Foundation, The Miller Foundation, Confidence Foundation, and Bess J. Hodges Foundation.

\$4.3 MILLION

raised to support complimentary field trips for **410,535** underserved students and teachers.



\$600,000

raised for two Aquarium on Wheels outreach trucks, which have driven **176,800 MILES**.



MORE THAN **\$5.6 MILLION** in foundation grants and corporate contributions supporting more than **3.37 MILLION** students, teachers, and community members through our education programs.



Aquarium
Board of Directors

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- **Mr. Anthony T. Brown**,
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- **Ms. Cecile Fisher**,
*VP of Marketing/
Corporate Secretary*

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We wish to extend a special thanks to the following donors for their support of the Aquarium of the Pacific's education initiatives in 2017.

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Donor Highlight

Gary and Cindy Matsumoto, Pacific Circle members, gave in support of the Aquarium's Animal Husbandry Fund.



In recognition of the Matsumotos' donation, the Aquarium offered them the chance to name the giant sea bass that hatched in 2016.

Pacific Circle Members Name Giant Sea Bass

Charter Pacific Circle supporters Gary and Cindy Matsumoto donated to the Animal Husbandry Fund, which helps support the Aquarium's animal care programs and facilities. In honor of their gift the Matsumotos were given the opportunity to name the juvenile giant sea bass that hatched at the Aquarium in October 2016 and is currently on view in the Redondo Canyon exhibit in the Southern California/Baja Gallery. They selected the name Yutaka, the Japanese word for prosperous, in the hopes that Yutaka will bring prosperity to the Aquarium's future breeding and conservation programs for endangered species like the giant sea bass. The young fish is the first giant sea bass to be hatched and raised at a public aquarium. "The Matsumotos' generous gift will support our staff's important conservation efforts, including breeding endangered species," said Miguel Solorio, Pacific Circle coordinator. To learn more about the Pacific Circle Gift Society or to support the Animal Husbandry Fund, please contact Solorio at (562) 951-5387 or msolorio@lbaop.org.



Gary and Cindy Matsumoto attended the naming ceremony for Yutaka.



Yutaka is on view in the Redondo Canyon exhibit in the Southern California/Baja Gallery.

Aquarium Accolades

The Aquarium presents awards to individuals and organizations in recognition of their service to the community and achievements in conservation.



Pictured: Auti Angel, Glenn McIntyre Heritage Award honoree, and Kathie Nirschl, Aquarium vice president of human resources.

Auti Angel

Glenn McIntyre Heritage Award | Festival of Human Abilities

A professional dancer who performed with the top hip-hop acts of the 1990s, Auti Angel pioneered the art of wheelchair hip-hop dancing after a car accident left her paralyzed from the waist down in 1992. Since that time, she has gone on to become a mentor, establishing the Save a Soul Foundation to benefit at-risk youth and young adults in Los Angeles.

She has been a part of the Aquarium's Festival of Human Abilities since the beginning, performing with her wheelchair dance team, and has played an important role in developing the festival to make improvements for participants and attendees. She is also a director of the Positive Redirection Team at Operation Confidence, a nonprofit organization for people with disabilities, and has worked with United Cerebral Palsy's Wheels for Humanity program and LA's BEST, an after school program.



Pictured: Haben Girma, Glenn McIntyre Heritage Award honoree, and Kathie Nirschl, Aquarium vice president of human resources.

Haben Girma

Glenn McIntyre Heritage Award | Festival of Human Abilities

The daughter of East African refugees and the first Deafblind person to graduate from Harvard Law School, Haben Girma is an advocate for equal opportunities for people with disabilities. She works as a consultant and public speaker, combining her knowledge of law, sociology, and technology to teach her clients the benefits of fully accessible products and services. She is advising the Aquarium on ensuring that the new Pacific Visions expansion is fully accessible. Until 2016 Girma worked as a civil rights attorney. President Obama named Girma a White House Champion of Change in 2013, and Forbes recognized her in *Forbes* 30 Under 30 in 2016. Girma currently serves on the board of directors for the Disability Rights Bar Association and Helen Keller Services.



Pictured: David and Sharon McLucas, Heritage Award honorees, and Anthony Brown, Aquarium chief financial officer.

Sharon and David McLucas

Heritage Award | African-American Festival

Sharon and David McLucas are the founders of *Forgotten Images: A Traveling Educational Exhibit and Museum*. They have participated in the Aquarium's African-American Festival for more than a decade, bringing a portion of the exhibit to share with festival attendees. Their exhibit features thousands of lost and forgotten artifacts spanning centuries of the African-American experience in America. It includes memorabilia from the eras of slavery and segregation and also features items celebrating African-American history, such as artwork, sports memorabilia, and commemorations of African-American literature and music. The exhibit has been displayed throughout Southern California with the aim of instilling in viewers a sense of awareness and responsibility. It serves as a reminder of the triumphs and successes of African Americans and the adversity they have faced.

Sharon McLucas has coordinated the Long Beach Martin Luther King Day Parade, served on the board of the National Council of Negro Women Long Beach Section, and held positions on committees with the NAACP, Leadership Long Beach, Los Angeles Black Business Expo, and Christian Methodist Episcopal Church.

"I am grateful for the award and thoroughly enjoyed my visit to the Aquarium. The Festival of Human Abilities was a wonderful event, and I hope it continues for many years." — Haben Girma

Protecting Endangered Animals and Threatened Habitats

Conservation programs and exhibits that educate the public about threatened species and habitats have been a focus for the Aquarium since its inception.

IN ADDITION TO MAINTAINING its exhibits housing more than 11,000 animals, the Aquarium also conducts work on a variety of conservation projects to ensure the future survival of endangered species, protect important habitats, and help the public become ocean stewards.

Breeding programs at the Aquarium have several conservation benefits, from reducing the need to collect animals from the wild to enhancing understanding of the animals' biology and life cycles, which could play a role in managing wild populations. The Aquarium participates in several Species Survival Plan (SSP) programs administered by the Association of Zoos and Aquariums. SSPs manage the population of species across all zoos and aquariums, with the aim of ensuring genetic diversity in this population. The Aquarium is part of the SSP for species including Magellanic penguins and Guam kingfishers.

In a partnership with the National Oceanic and Atmospheric Administration's National Marine Fisheries Service, the Aquarium operates an abalone breeding program in an effort to increase endangered white abalone populations in Southern California. It is hoped that white abalone bred at facilities like the Aquarium can eventually be released in local ocean waters to augment wild abalone populations, which are currently deemed reproductively extinct.

Aquarium staff members also participate in conservation work in the field. In recent years, staff members have traveled to Guam to help with coral reef restoration and to the Mariana archipelago to work with populations of native birds. Locally, the Aquarium's whale identification internship program photographs the

whales and dolphins spotted on the Aquarium's daily cruises. The program catalogues these sightings and provides the data to researchers at Cascadia Research Collective. Below the surface, Aquarium divers can become certified in underwater data gathering techniques and join the scientific diving team. This group has helped maintain an array of ocean temperature sensors in Southern California waters and assisted university researchers and government agencies with underwater data.

For the public, the Aquarium's citizen science programs provide an opportunity to be a part of scientific studies within residents' own communities. The Aquarium's longest-running citizen science program monitors green sea turtles in the San Gabriel River. Other citizen science programs log shark counts for Global FinPrint and monitor harmful algal blooms.

The Aquarium has developed exhibits and programs focusing on endangered species, including those that cannot be displayed at a zoo or aquarium, such as the vaquita, a species of porpoise with just thirty individuals remaining in the Gulf of California. Conservation programming will be further enhanced in the new Pacific Visions wing, where visitors will be able to learn how human actions taken collectively can help protect endangered species and create a more sustainable future for our planet.



Aquarium breeding programs help build knowledge about marine species that could aid in their future conservation and help rebuild populations for future release into the wild.



ROBIN RIGGS

The Aquarium has a breeding pair of Guam kingfishers as part of a Species Survival Plan for this bird, which is extinct in the wild.



HUGH RYONO

Citizen scientists from the Aquarium have monitored green sea turtles in the San Gabriel River since 2013.



THOMAS A. JEFFERSON/VIA VAQUITA

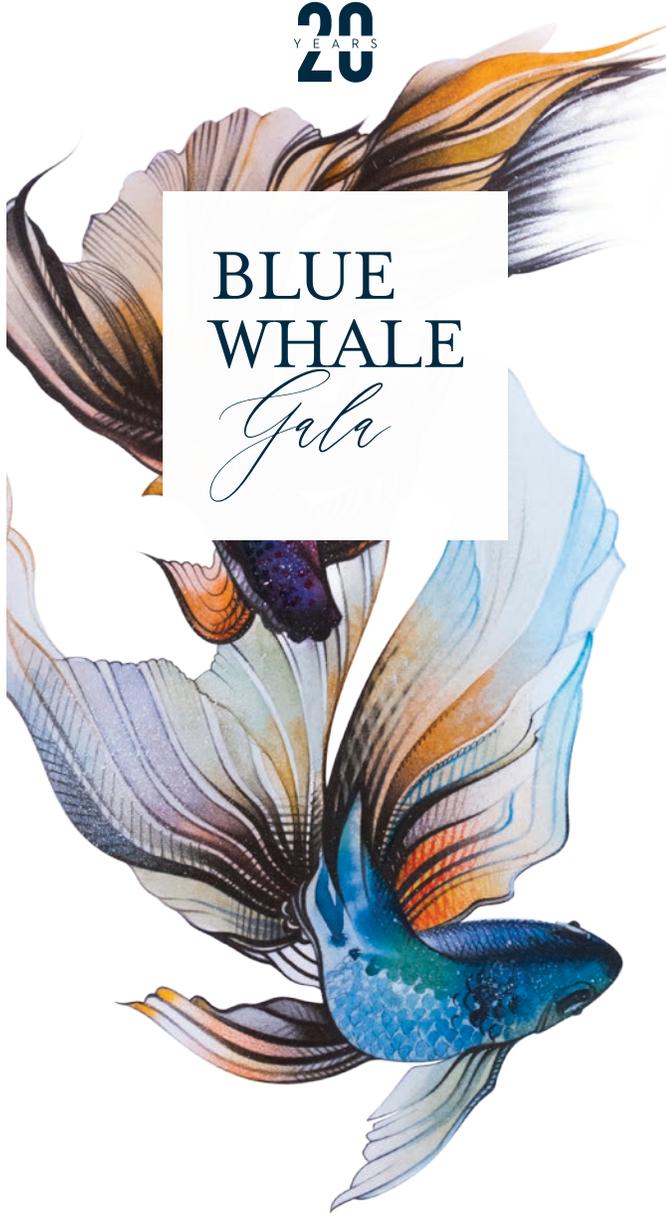
Aquarium programs and exhibit raise awareness of endangered species like the vaquita porpoise.

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