

PACIFIC **Currents**

Aquarium of the Pacific™

SPRING 2019



*Pacific
Visions.®*



A Platform for Creating a Sustainable Future



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Pacific Visions is a space for imagination, innovation, and creativity.

THE AQUARIUM'S MISSION is to educate and engage the public on important issues affecting the ocean and marine life and to show how our actions can make a difference. It aims to inspire each generation to become ocean stewards who are mindful of our connection to and reliance on the ocean. These ideas informed the creation of Pacific Visions, which will provide a platform for Aquarium visitors to imagine a sustainable future that balances the needs of a rapidly growing human population with ocean stewardship and conservation of nature.

Pacific Visions represents the second and final phase of a campus master plan that was adopted by the Aquarium's Board of Directors in 2005. The Board reviewed several concepts for the expansion before selecting Pacific Visions, which was developed over the ensuing years in partnership with a science advisory panel, media company Cortina Productions, architecture firm EHDD, and the Aquarium's Board and staff.

ARCHITECTURE - Pacific Visions' unique silhouette and modern design make it an architectural landmark for Long Beach and the region. EHDD also designed the Aquarium's original building. The firm's design for Pacific Visions was inspired by organic forms found in nature, and its complex glass-panel façade suggests the color and shimmer of the ocean.

There are more than 800 uniquely shaped glass panels covering Pacific Visions. The glass is made up of three layers. The innermost layer incorporates a subtle reflective finish, the middle layer is tinted blue, and the outer layer is made of low-iron, acid-etched glass, which eliminates direct reflection of the trees and sky to make it bird-friendly.

Pacific Visions earned Two Green Globes certification from the Green Globes® building rating system for demonstrating leadership in best practices regarding environmental efficiency. The building's sustainable design priorities include water and

energy conservation, use of environmentally friendly materials, and greenhouse gas minimization.

AQUARIUM OF THE FUTURE - Pacific Visions was conceived as an example of what aquariums could be in the future, integrating elements of science centers, arts venues, and museums to explore solutions to our world's biggest challenges, including climate change and its impacts.

It is designed to serve as an adaptable platform, with spaces that can be redesigned to accommodate new exhibits, shows, and methods of storytelling. The technology available in each space, from massive LED video walls to interactive projections and immersive multisensory theater effects, can serve to immerse visitors in stories that engage and inspire. Pacific Visions will challenge visitors to take action and do their part to create a better future for our planet.

Letter from the CEO

Dear Members,



I AM PLEASED TO UNVEIL our completed expansion, the new Pacific Visions wing, and invite you to explore it during preview events especially for Aquarium members, May 19 and 20, and the grand opening for the public on May 24.

The Aquarium took an unconventional path with this expansion. Rather than building more exhibit space for animals, we decided to focus on the one species on our planet that is changing the future for all others—humans. We are in the Anthropocene, the geologic epoch in which humans have become for the first time in our 200,000-year history a dominant, global force. Our activities are impacting Earth's climate and a number of ocean processes and phenomena.

The decisions we make today about how we produce and consume food, energy, and water will be crucial to ensuring there are enough of these resources for all while conserving the ecosystems and species of our planet. Pacific Visions serves as a combination science center, performing and visual arts venue, and aquarium that will help us explore the issues affecting our ocean planet and inspire creative, sustainable solutions for a better future.

The Aquarium has been hard at work over the past several years to create an aquarium experience unlike any other. As with all of our major exhibits, films, and programs, Pacific Visions was created with input from top scientists and storytellers. The Pacific Visions scientific advisory board includes Anthony Barnosky, professor of integrative biology, curator of fossil mammals in the Museum of Paleontology, and research paleoecologist in the Museum of Vertebrate Zoology at the University of California, Berkeley; Joseph Cortina, founding partner of Cortina Productions; Agustín Fuentes, professor and chair of anthropology at the University of Notre Dame; Peter Kareiva, director of the Institute of the Environment and Sustainability at the University of California, Los Angeles; and Douglas McCauley, an assistant professor in the Department of Ecology, Evolution, and Marine Biology at the University of California, Santa Barbara.

I would like to thank Aquarium members for contributing \$42,000 toward Pacific Visions. Together we have made a very exciting new concept a reality.

Sincerely,

Jerry R. Schubel

COVER: ©2019 TOM BONNER



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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).

Pacific Currents Staff: Editor/Writer: Claire Atkinson | Copy editor: Cecile Fisher | Designer: Andrew Reitsma | Contributing photographer: Robin Riggs | Proofreader: Alyssa Pacaut.

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.

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PETERSON B. MOSEY / U.S. FISH AND WILDLIFE SERVICE



OLEKSANDRA KIRICHKOV

Find these three new exhibits in the Pacific Visions culmination gallery.



KEN KURTIS

Delta Smelt

This tiny endangered fish tells an important story about California's water supply.

THE DELTA SMELT (*Hypomesus transpacificus*) is a small 2- to 3-inch-long fish found only in the Sacramento-San Joaquin River Delta. Added to California's Endangered Species Act list in 2010, its population is near extinction, with just one fish found in a 2016 survey and zero found in 2018. The Aquarium of the Pacific is the first public aquarium to exhibit delta smelt, with a display in the Pacific Visions culmination gallery on the second floor.

The Aquarium's delta smelt came from the Fish Conservation and Culture Laboratory, which is maintained by the University of California, Davis. Delta smelt live in an environment that is heavily impacted by human infrastructure and water diversion. They are threatened most by reduced water flow and getting trapped in water pumps and power plant intakes, but they also face changes in food supply, water contamination, increased salinity, and predation from non-native species.

The Aquarium's delta smelt exhibit will help visitors learn about how this species and others are impacted by our use of natural resources and changes to their habitat. In particular, it highlights the challenge of providing enough drinking water in California.

Oysters

Oyster farms can help filter pollutants from coastal waters and stabilize shorelines.

THE PACIFIC VISIONS culmination gallery includes an exhibit of Olympia (*Ostrea conchaphila*) and Pacific oysters (*Crassostrea gigas*) to illustrate the potential benefits of developing more oyster farms off our coast. Oysters filter pollutants like sediment and excess nitrogen out of the water at a rate of about fifty gallons per day as they feed. Also, oyster beds help stabilize shorelines to protect against high tides and sea level rise and provide habitat for other marine life.

Olympia oysters are found in estuaries, tidal channels, and bays along the West Coast of North America, from southern Alaska to Baja California, Mexico. They can grow up to 3 inches in length. Pacific oysters are native to estuaries and coastal waters of Asia's Pacific coast and have been introduced in North America, Europe, and New Zealand. They can grow up to 10 to 15 inches in length.

Yellowtail

These fish are native to Southern California and could be farmed off our coast as a more eco-friendly alternative to pork and beef.

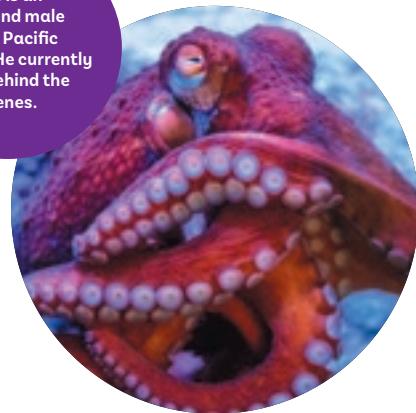
VISITORS TO PACIFIC VISIONS will have the chance to view a large school of yellowtail fish (*Seriola dorsalis*) in a 16-foot-wide exhibit in the culmination gallery. The California yellowtail is a member of the jack family of fish, Carangidae. These fish are found in kelp forest or rocky reef habitats or around shipwrecks. They typically grow to about 31 inches long and feed on small fish, squid, and crustaceans.

Yellowtail is an example of a fish that could be successfully farmed off the coast of Southern California. This species is native to this area and also adapts well to farming conditions. By shifting some of our food sources from items with a high environmental impact, like beef and pork, to those with a relatively lower impact, like fish, the United States can develop a more environmentally responsible food supply.

Aquarium Fans Vote on New Octopus Name

IN FEBRUARY the Aquarium put the question of what to name a newly arrived male giant Pacific octopus to its followers on Instagram. The husbandry department offered up four choices, all starting with the letter G, as is traditional for giant Pacific octopus names at the Aquarium. In a contest that came down to a choice between Gus and Gunther, Gus was the ultimate winner. Aquarium visitors can see Gus on Behind-the-Scenes Tours.

Gus is an 11-pound male giant Pacific octopus. He currently lives behind the scenes.



Aquarium Pays Tribute to Sea Otters Brook and Charlie

Brook passed away on January 29 after being diagnosed with congestive heart failure. Charlie passed on April 22.

THE AQUARIUM IS MOURNING the loss of Brook and Charlie the southern sea otters. They arrived at the Aquarium in 1998 before the facility opened to the public. Both were orphaned during 1997's fierce El Niño storms and were found stranded in Northern California. Brook was a two-week-old pup at the time of her rescue, and Charlie was just hours old. They were housed at a marine mammal rescue center. After going through a rehabilitation program, otter experts determined it was not possible to release the young otters back into the wild, as they had not learned survival skills from their mothers.

In addition to his role as an animal ambassador living at the Aquarium, Charlie also contributed to animal husbandry and scientific research. He was the first otter in the world to give a voluntary blood sample without sedation. And from 2011 to 2013 he participated in a study of how sea otters perceive sound at the University of California, Santa Cruz's Long Marine Lab. The study's results could inform decisions made by government agencies regarding ocean noise. Charlie was selected for the study in part because of the behavioral training he had received at the Aquarium. Charlie celebrated his twenty-second birthday on March 2, becoming only the second southern sea otter on record to reach that age.

Brook was known for her photogenic looks and regal demeanor, which landed her image on many Aquarium publications and promotions throughout her life and secured her place in the hearts of the Aquarium's staff, members, and the public. Brook was diagnosed with congestive heart failure by the Aquarium's veterinary team in mid-January and passed away on January 29 at age twenty-one.

California's southern sea otters are listed as threatened under the Endangered Species Act. Hunting in the eighteenth and nineteenth centuries nearly wiped out the entire population, and by 1938 only fifty remained. Conservation efforts have grown the population to nearly 3,000, but these animals still face threats, including ocean pollution and habitat loss.



ROBIN RIGGS
Brook was known for her photogenic looks and regal demeanor.

Brook and Charlie were two of the Aquarium's original animals and lived here for over twenty years.



ROBIN RIGGS
Charlie was the oldest southern sea otter living at a zoo or aquarium at the time of his passing.

Pacific Visions®



We

ARE AT A CRITICAL JUNCTURE in Earth's history, when the human population is set to reach ten billion within the next three decades, and climate change is drastically impacting both humans and nature. Great creativity and innovation will be needed to provide sustainable sources of food, energy, and water for all people, while reducing the pressures that threaten our planet's biodiversity and ecosystems.



PACIFIC VISIONS is the Aquarium's new wing housing an art gallery, exhibit spaces, a state-of-the-art theater, and new animal exhibits. At 29,000 square feet and two stories, it is the Aquarium's first major expansion and the result of more than a decade of planning and development. It opens to the public on May 24, 2019.

The Aquarium of the Pacific has created exhibits and programs communicating environmental issues to the public throughout its twenty-one-year history. In Pacific Visions, the Aquarium has developed a platform to help visitors learn about our use and production of food, energy, and water and how they are the keys to designing a sustainable future.

Using the latest technology and methods of storytelling that combine art, science, and interactivity, Pacific Visions is an example of the aquarium of the future. It invites visitors to examine their relationship with the ocean and our planet as a whole and explore ways to change the trajectory of that relationship in the future.



Pacific Visions transports visitors to underwater realms.

● Art Gallery

The Pacific Visions entrance is just inside the Aquarium's main doors on the right. Visitors will pass the new information desk and enter the art gallery. The Pacific Visions experience begins in an art gallery as a way to immerse visitors in a sensory space that sparks curiosity and inspiration. Interactive installations and art exhibits will be changed periodically to highlight current ocean issues or feature new work by visiting artists.

The opening installation was created by Convivial Studio, a European art and design practice based in Germany, and features elements that give visitors a new perspective of ocean ecosystems. These include a series of video projections accompanied by soundscapes, a touchable relief wall with video projections, glass sculptures inspired by plankton, and a collection of mirrored exhibits called *Infinity Coral*.

The video projections will cycle through two short segments called *Coral World* and *Plankton World*. These projections incorporate video footage captured by scientists and underwater photographers.

The relief wall comprises five floor-to-ceiling panels installed in a row. These panels will be made up of three-dimensional sculptures that replicate real species of coral and are intended for visitors to touch. Video imagery will be projected onto the sculptures to create an experience that is both visual and tactile. Visitors will also be immersed in a soundscape of an actual coral reef.

About eighty-five hand-blown glass sculptures inspired by the intricate forms and patterns of plankton species will hang from the ceiling in the center of the gallery. Ranging in size from 27 inches to just 3 inches wide, these plankton sculptures were created by artists Masami Hirohata, Peter Kuchinke, and Susan Liebold.

Five *Infinity Coral* exhibits will create the illusion of a coral reef habitat stretching as far as the eye can see using mirrors. They will contrast that appearance of a healthy, thriving reef with that of an unhealthy, bleached reef environment.

● Orientation Gallery

Roughly every fifteen minutes, a show in the adjacent space will begin, drawing visitors from the art gallery into the orientation gallery. The floor slopes gently downward to ensure everyone in the room can see the surrounding walls.

As visitors enter, they encounter a projected virtual waterfall flowing down one wall and onto the floor, inviting visitors to interact with it. The floor projection reacts as people move through it, creating splashes and ripples in the water, with small fish that scatter with every step.

On the central wall between the two theater entrance doors, a show plays that introduces visitors to the concepts embodied in Pacific Visions: the changing nature of humans' relationship with our planet and how the future of all species depends on us. The show is played on a 26-foot-wide by-9-foot-tall LED video wall. It presents a visual journey through the history of life on Earth and shows how humans are connected to the ocean. It features inspiring images of nature and thought-provoking quotes and statistics.

The last few minutes of this show include narration that invites visitors to explore these ideas further as they enter the Honda Pacific Visions Theater and take part in the challenge of designing a sustainable future.

● Honda Pacific Visions Theater

Visitors enter the theater through doors on either side of the orientation gallery. The Honda Pacific Visions Theater has more than 300 stadium-style seats facing a 32-foot-tall, 130-foot-wide screen that is curved in a 180-degree arc to capture viewers' entire range of vision. The stage includes a 36-foot-wide, oval-shaped disc that tilts up to display images projected onto the floor.

With a runtime of about eight minutes, the theater show includes multisensory effects, such as wind, fog, scents, lighting effects, and seat rumblers. It also makes dramatic use of the full length of the 130-foot curved screen in combination with the floor projection surface.

The show presents awe-inspiring images of nature and ideas for designing a sustainable future for all. It includes high-resolution footage of ocean animals, animation and computer graphics, and scenes of what cities and other human landscapes could look like in the future. Through this show, the Aquarium hopes to inspire viewers to think creatively about our global future and see themselves as ocean stewards.



The Pacific Visions exhibits use high-tech touchscreens and video displays to help visitors explore new ideas.

Up to ten players can interact with the three game tables in the culmination gallery.

● Culmination Gallery

After the theater show, visitors will climb the stairs or use the elevator to access the final space in Pacific Visions, the culmination gallery. In this space, visitors can experiment with and learn more about the ideas for a sustainable future from the theater show.

A column near the entrance displays data about the human population and projections into the future. Along the left side of the room is a 50-foot-long media wall displaying underwater ocean scenes and a stream of bubbles with icons floating from left to right. This projection wall is interactive, so visitors can touch the bubbles to display an ocean fact or sustainable innovation.

Three interactive game tables themed around food, energy, and water allow visitors to play a ten-player game and make various choices to create enough of each resource for California. The culmination gallery also includes several interactive exhibits and video installations that further explore sustainable ideas for our collective use of food, energy, and water.

Along the right side of the gallery, three animal exhibits also highlight these themes. The first contains delta smelt, a small fish that lives in the Sacramento-San Joaquin Delta and faces extinction. This area plays a key role in delivery of freshwater throughout Southern California, tying our needs to the story of this fish and its habitat. The Aquarium of the Pacific is the first public aquarium to exhibit delta smelt.

Another exhibit will house a large school of yellowtail, a fish native to California that could be raised in offshore aquaculture farms with a lesser environmental impact than beef or pork. The third animal exhibit in the gallery showcases oysters, which could also be farmed off our coast as a way to filter and clean ocean waters and stabilize shorelines.

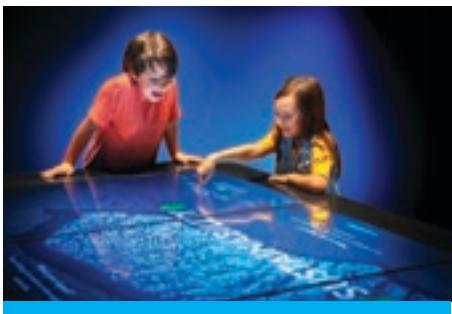
Continue the Story

The Pacific Visions wing exits onto the second floor landing outside the Tropical Pacific Gallery. From there, visitors can continue their journey through the Aquarium's galleries with a new perspective on the Pacific Ocean and its inhabitants. They can also download the new Pacific Visions EcoAlliance app to take on challenges aimed at creating a sustainable future and further explore the concepts in Pacific Visions. To learn more, see page 27 and visit pacificvisions.org.



Explore ideas for a sustainable future at the interactive media wall.





Be among the first to experience Pacific Visions.

* Member Events

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

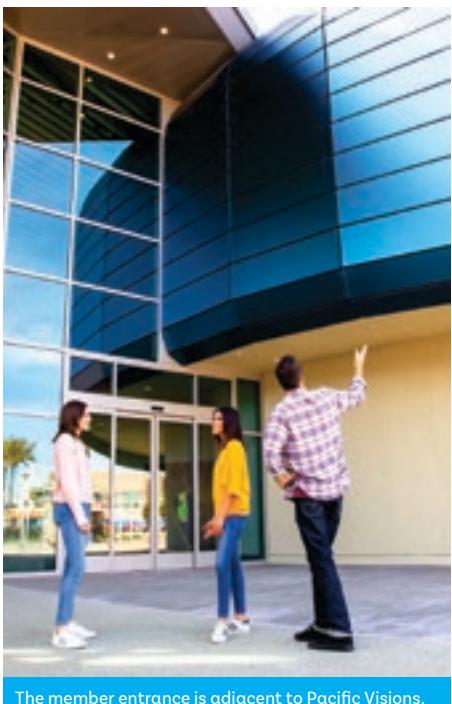
Pacific Visions

Member Previews

■ Sun., May 19, & Mon., May 20
9:00 A.M.-9:00 P.M.

Be one of the first to see the new Pacific Visions wing before it opens to the general public. Tour the new art gallery and experience the shows in the orientation gallery and state-of-the-art immersive theater. Visit the culmination gallery to see the new animal exhibits and interactive multimedia installations. Explore our relationship with our planet and alternative pathways to the future using the latest technology.

- Free for members.
Reservations required.
- (562) 437-3474



The member entrance is adjacent to Pacific Visions.

* 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.

World Ocean Day

■ Saturday, June 8
9:00 A.M.-5:00 P.M.

The ocean covers 70 percent of Earth's surface and remains 90 percent unexplored. On World Ocean Day, Aquarium visitors can learn about climate change, ocean pollution, and other ocean issues by viewing films and shows and exploring exhibits.

- Free for members. Included with general admission for non-members.



Long Beach Chorale

Concert: Freedom

■ Sunday, June 9
8:00 P.M.-9:00 P.M.

The Long Beach Chorale presents a musical celebration of liberty and freedom featuring Randall Thompson's Testament of Freedom. This classic American work sets Thomas Jefferson's rousing orations to Thompson's majestic music. You will also hear some of the chorale's favorite spirituals fill the resonant acoustic of the Aquarium as they explore freedom, tragedy, and triumph in our American experience. Assistant Director Matthew Martinez will conduct the performance in the Aquarium's Great Hall.

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

Father's Day BBQ

■ Sunday, June 16
11:00 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. All-day Aquarium admission is included.

- Members: \$59 per adult, \$28 per child.
Non-members: \$74 per adult, \$43 per child.

July 4th BBQ

■ Thursday, July 4
6:00 P.M.-10:00 P.M.

Join us for a July 4th evening BBQ! Experience the ambiance of the Aquarium at night, view the Long Beach fireworks, and enjoy some fresh grilled BBQ this Independence Day. Reserve your spot today as space is limited.

- Members: \$64 per adult, \$28 per child. Non-members: \$79 per adult, \$43 per child.
- VIP Seating | Members: \$79 per adult, \$38 per child. Non-members: \$94 per adult, \$53 per child.

Yoga at the Aquarium

■ Saturdays, July 20, 27 & Aug. 3
7:30 A.M.-8:30 A.M.

Come experience the serenity of the Aquarium before it opens to the public with yoga in front of the Honda Blue Cavern habitat. Instructor Stephanie Serrano recently began graduate coursework at Loyola Marymount University to receive a master's degree in yoga studies. She is the studio manager of the new Ra Yoga location at the Long Beach Exchange. All participants must sign a waiver and are responsible for bringing their own yoga mat, towel, etc.

- Members: \$30 for the 3-class series, \$15 for a single class; Non-members: \$45 for the 3-class series, \$20 for a single class. Parking not included.

Shark Lagoon Nights

■ Fridays, Sept. 6-Dec. 27 (except Oct. 25 & Nov. 1)
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 in the Aquarium's Shark Lagoon. Cold beer, sodas, and snacks are available for purchase. Live music offered on select evenings.

- Free

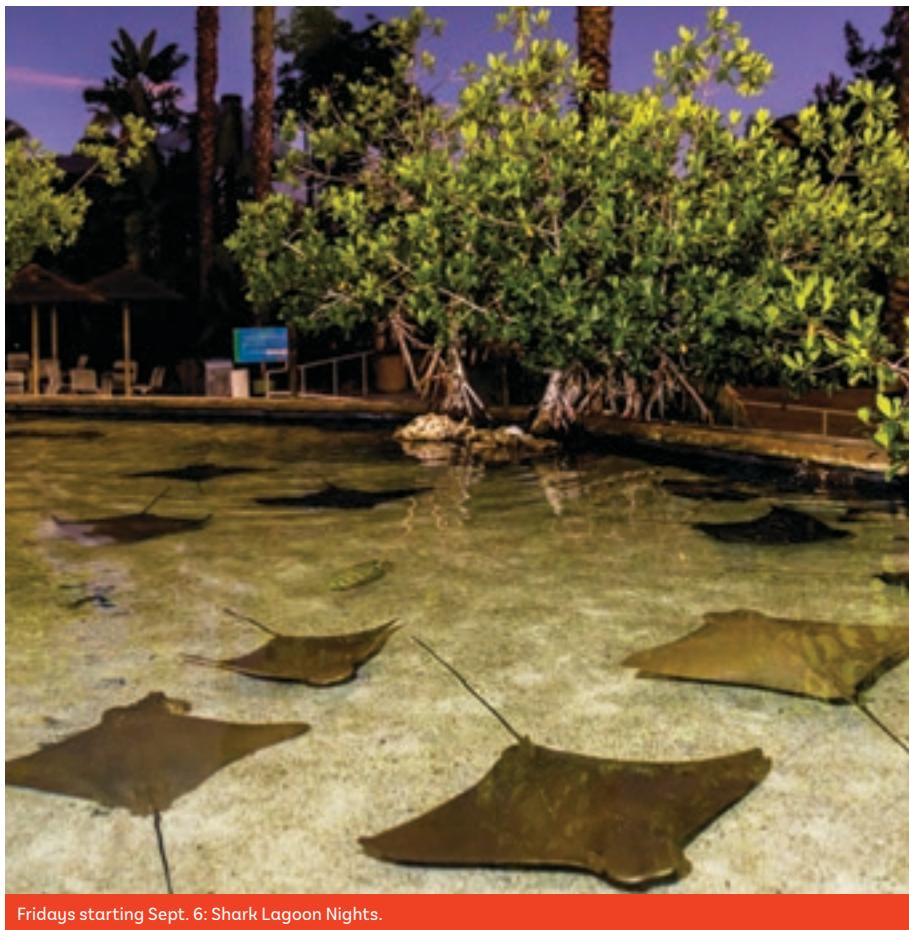
Autism Families Morning

■ Saturday, September 7
7:00 A.M.-9:00 A.M.

Join us for a special morning at the Aquarium exclusively for families with adults or children with autism. Guests can enjoy the tranquility of our exhibits and meet 11,000 animals from the world's largest ocean before the Aquarium opens to the public at 9:00 a.m.

- Free for members and children under 3. Non-members: \$7 per person.

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



Fridays starting Sept. 6: Shark Lagoon Nights.

Homeschool Days

Tues. & Thurs., Sept. 10 & 12

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.

- Free for members and children under 3. Non-member: \$6 per person

First Responders Day

Wednesday, September 11

9:00 A.M.-5:00 P.M.

Police officers, sheriff's deputies, and fire-fighters 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.



Sept 21: California Coastal Clean-Up Day.

Seniors Day

Monday, October 7

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, and more.

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

Aquarium 5K & Kids Fun Run

Saturday, October 12

7:00 A.M.-12:00 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 a.m. to 11:00 a.m.

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

Sea Fare

Saturday, October 19

7:00 P.M.-11:00 P.M.

Save the date for the Aquarium's most delicious fundraising event of the year, Sea Fare. Eat and drink your way through the Aquarium with an open bar and samples from over two dozen local restaurants, bid on silent and live auction items, snap a picture in the photo booth, and dance the night away to the music of a live band. Proceeds will benefit the Aquarium's education, conservation, and animal care programs.

- \$150 per person

Photographers Night

Sunday, October 6

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.

- \$31.95 per member, \$34.95 per non-member



Sept. 21-22: Moompetam Native American Festival

* Festivals

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

Moompetam Native American Festival

■ Saturday & Sunday, Sept. 21-22

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, Sept. 28-29

Celebrate Hispanic Heritage Month and Mexican Independence Day with live entertainment, crafts, educational programs, and more. 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 5

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 I.D. 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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May 16: The Making of Pacific Visions.

Panel Discussion | The Making of Pacific Visions

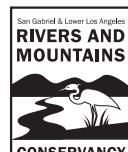
■ Thursday, May 16

A panel of the experts and Aquarium staff members behind the development and realization of Pacific Visions will discuss what went into creating the Aquarium's first major expansion and the important environmental topics covered in the new exhibits and programming. Hear from the architect, exhibit and content creator, a scientific advisor, and the project director who oversaw the project from start to finish. The discussion will be moderated by Aquarium President and CEO Jerry Schubel. Speakers will include Quyen Luong, project architect, EHDD; Joe Cortina, president, Cortina Productions; Peter Kareiva, director, Institute of the Environment and Sustainability at the University of California, Los Angeles; and Fahria Qader, Pacific Visions and architecture director, Aquarium of the Pacific.

Edward Barbier / The Water Paradox

■ Thursday, May 30

Edward B. Barbier will discuss and sign copies of his latest book, *The Water Paradox: Overcoming the Global Crisis in Water Management*, which critiques current water policies and practices and offers policy and management solutions to avert a global water crisis. Barbier is a professor in the department of economics at Colorado State University and a senior scholar in the School of Global Environmental Sustainability. This lecture is sponsored by the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy.



Panel Discussion | Super Corals: What They Are and Why They Are Important

■ Tuesday, June 4

Rising ocean temperatures resulting from climate change are damaging coral reefs around the world. However, after a bleaching event, scientists have found some corals are able to survive. These super corals may show the way for future coral reef conservation. Aquarium President and CEO Jerry Schubel will moderate a panel discussion featuring coral experts from Woods Hole Oceanographic Institution and other organizations. The Aquarium will open a super coral exhibit in late 2019.

Panel Discussion | Meet the Team Solving the Ghost Gear Problem to Protect Marine Life

■ Wednesday, June 5

Lost or discarded fishing gear that is no longer under a fisher's control is called ghost gear. Ghost gear causes several problems in the marine environment: It entangles and kills sea life and can damage habitat. In California, scientists, fishermen, regulators, and innovators are teaming up to implement an innovative recovery and recycling program to reduce the loss of fishing gear and collect ghost gear to reduce impacts on marine life and ocean ecosystems. The Aquarium's Seafood for the Future program will lead a discussion with a panel of experts who are part of this collaborative effort.

Paul Erickson | Don't Mess With Me: The Strange Lives of Venomous Sea Creatures

■ Tuesday, June 11

Paul Erickson will discuss and sign copies of his book, *Don't Mess With Me: The Strange Lives of Venomous Sea Creatures*. Erickson is a freelance writer and exhibit developer and works as an educator and aquarist on the Endeavour research vessel based in Salem, Massachusetts.

Kim Steinhardt | The Sea Otter Survival Story: A Human Obstacle Course

■ Thursday, June 27

Kim Steinhardt takes us on an eye-opening photo journey examining the complex relationship between humans and nature by looking at the current state of the threatened southern sea otter. Steinhardt is a former state administrative law judge and litigator, as well as a long-time conservationist and public interest advocate.



August 20: Ken Kurtis will share his stories, photos, and videos from nearly twenty years of annual travels to the Pacific island of Yap, known for its Pacific manta rays.



Shawn Maestretti | Climate Reality: Regeneration of the Landscape

■ Wednesday, July 17

Landscape architect and arborist Shawn Maestretti will discuss techniques for zero-waste, carbon-neutral garden designs, including nurturing soil, capturing rainwater, sequestering carbon, and planting climate-appropriate plants for biodiversity. Maestretti is the principal of Shawn Maestretti Garden Architecture.

Kathayoon Khalil | The People Problem: Including Social Sciences in Wildlife Conservation

■ Thursday, August 8

Kathayoon Khalil will discuss how traditional approaches to wildlife conservation have lacked in engagement from communities and local groups. She will talk about the importance of employing the social sciences to understand the full complexity of wildlife issues. Khalil is the principal evaluator for the Seattle Aquarium.

Mike Bartick | Exotic Animals of the Night Sea

■ Wednesday, August 14

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 diamond squid, blanket octopuses, nautiluses, and other discoveries. Bartick is a field guide who conducts photo safaris, lectures, and seminars.

Ken Kurtis | Journey to the Island of Yap: Stone Money, Massive Manta Rays, and More

■ Tuesday, August 20

Aquarium volunteer diver Ken Kurtis will share his stories, photos, and videos from his nearly twenty years of annual travels to the Pacific island of Yap, located between Guam and Palau. Yap is perhaps best known for stone money, which is still used as currency for some purchases, but is also known for its enormous Pacific manta rays, with wingspans of up to 18 feet. Yap has a diverse underwater ecosystem with a healthy population of sharks and reef fish, and even has an area where the tiny mandarinfish mate every night. Kurtis has been an Aquarium volunteer since 1998. He is a dive team leader at the Aquarium and a National Association of Underwater Instructors SCUBA instructor.

Luke Fairbanks | Bridging the Gap: Insights from the Social Sciences for U.S. Marine Aquaculture

■ Thursday, September 12

Marine aquaculture is a growing part of the seafood system in the United States, but what are the social and political implications of this growth? How has it been influenced by peoples' values and attitudes toward seafood production and coastal environments? In this lecture Luke Fairbanks will explore insights from the social and policy sciences to better understand the processes, challenges, and opportunities associated with marine aquaculture. According to Fairbanks, social science research offers critical insights and opportunities to inform responsible marine aquaculture growth and improve the well-being of coastal communities across the United States. Fairbanks is a research scientist at the Duke University Marine Lab in Beaufort, North Carolina.



August 14: Mike Bartick, Exotic Animals of the Night Sea





*Aquarium
of the Pacific*

*Pacific
Visions.*

HONDA

The Power of Dreams

Honda Pacific Visions Theater

The state-of-the-art Honda Pacific Visions Theater utilizes a massive projection surface including a curved screen and floor projection, multisensory effects like seat vibration, wind, and fog, and stunning high-resolution images to inspire viewers to think creatively about the future of the ocean and our planet.

ADD-ON EXPERIENCES

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

Five 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)

Parent and Me

Four rotating themed programs.

Third Saturday of every month

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

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



Summer Camps

The Aquarium offers summer camp programs for children ages 3 to 15. Select dates are still available. Visit aquariumofpacific.org/camps or call (562) 590-3100 for details.

Do You Know A Budding Marine Biologist?

The Aquarium's Junior Biologist series allows children ages 7 to 12 to explore the Aquarium with an educator. This fun, hands-on class dives deep into animal adaptations and includes an opportunity to feed an animal. Choose your favorite session, or take the whole series.

Whale Watching CRUISES

Whale Watching and Dolphin Cruise

■ Seasonal

The Pacific Ocean is home to many wondrous animals year round. Join us as we search for dolphins, seals, sea lions, and other marine life on our Whale Watching and Dolphin Cruise.

- **Members: \$25 per adult, \$20 per senior (ages 62+), \$15 per child (ages 3-11). Non-members (includes Aquarium admission): \$54.95 per adult, \$50.95 per senior, \$37.95 per child.**
- **2 to 2.5 hours**
- **(562) 590-3100, ext. 0**

Blue Whale Watching Trips

■ Summer Season

Join naturalists and experts from the Aquarium for an ocean voyage in search of the largest animal on the planet—the blue whale. We will also have the opportunity to spot dolphins, seals, sea lions, and other marine animals. You can track recent sightings by following the Aquarium's whale watch blog (aquariumofpacific.org/blogs) and Twitter feed (@OceanWatchLB).

- **Members: \$45 per adult, \$35 per senior (ages 62+), \$25 per child (ages 3-11). Non-members (includes Aquarium admission): \$64.95 per adult, \$63.95 per senior, \$49.95 per child.**
- **3 to 3.5 hours**
- **(562) 590-3100, ext. 0**

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.

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

VIP Experiences

■ By reservation.

Get even closer in this special animal encounter experience! Tour the Aquarium, meet two separate animals, and have exclusive experiences only for VIPs. Choose from Penguins and Pinnipeds, Otters and Octopus, or Sharks and Rays.

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

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. Please note: Ages 15 to 17 require a supervising adult to also sign up for the dive.**

Call (562) 590-3100 for more information. Pre-registration and pre-payment required on all programs unless noted. All prices subject to change.



Explore Pacific Visions

Get ready for all of the activities and experiences inside the new Pacific Visions wing. You can use this map to find your way through the different areas inside the building and make sure you don't miss any of the new things to see, touch, and explore.

1. Glass Exterior

Before you enter the Aquarium to explore Pacific Visions, take a look at the glass panels that make up the new wing's exterior. What do you notice about the color and light? What does the building's shape and color remind you of? Where is the sun hitting the building? Stop and look again when you leave—does the building look different now that the sun has moved?

2. Art Gallery

Inside the art gallery, you will find wall-sized projections of coral reefs and tiny ocean animals called plankton with sounds that help you feel like you are exploring under the surface of the ocean. Don't leave this space without stopping by the coral relief wall, where there are many types of coral sculptures you can touch.

3. Orientation Gallery

In this space where people can gather before they enter the theater, you will see a short film projected on one wall and a virtual waterfall projected on another wall. Be sure to try walking through the interactive waterfall and see how it responds.

4. Honda Pacific Visions Theater

Are you ready to see the main Pacific Visions show and learn about how we can affect our planet's future? Watch as the floor projection disc tilts up to become part of the show, and get ready for effects like fog, smells, and seat rumblers. What is your favorite part of the movie, and does it give you any new ideas about how we can design our future?

5. Culmination Gallery

When you exit the theater, climb the stairs to the second floor and enter the culmination gallery, where you can experiment with the ideas you learned about in the theater show. Be sure to try touching the bubbles on the multimedia wall on the left side to see the interesting facts and ideas they hold. Bring your parents, siblings, and friends to test your knowledge by playing one of the games at the interactive game tables in the center of the gallery.

2nd Floor

5



4



2



1st Floor

3



1



AQUARIUM

Animal Facts



HONDA BLUE CAVERN & AMBER FOREST | SOUTHERN CALIFORNIA
CALIFORNIA/BAJA GALLERY

Leopard Shark

Triakis semifasciata

Leopard sharks live in the northeast Pacific Ocean, from Oregon to Baja California. They prefer the sandy or muddy bottoms of bays and estuaries at 20 to 300 feet deep. Averaging 3 to 5 feet long, they get their common name from the pattern of spots covering their backs. Leopard sharks are opportunistic hunters, which means they will feed on whatever prey they find as they search the ocean floor, including crustaceans, octopuses, small fish, worms, and fish eggs. At the Aquarium, you can see leopard sharks in the Honda Blue Cavern exhibit in the Great Hall and the Amber Forest exhibit nearby.

SURGE CHANNEL & COASTAL CORNER TOUCH LAB
NORTHERN PACIFIC GALLERY

Red Sea Urchin

Strongylocentrotus franciscanus

Sea urchins are echinoderms, related to sea stars and sand dollars. Red sea urchins live in the Pacific Ocean off the North American coast, from Alaska to Baja California. They prefer rocky habitats where they can graze on seaweed or kelp. Red sea urchins are the largest of all sea urchins, reaching 5 to 7 inches wide. Recent findings show that these urchins can live for two hundred years. Red sea urchins can be found in the Aquarium's Surge Channel exhibit and Coastal Corner Touch Lab in the Northern Pacific Gallery.



LIVE CORAL | TROPICAL PACIFIC GALLERY

Staghorn Coral

Acropora sp.

Staghorn corals live in warm, tropical waters in the Indo-Pacific and Atlantic Oceans. They can grow up to 6.5 feet wide, forming long branches, round clumps, or flat plate-like structures. These corals get most of their food from tiny algae that live in their tissues and turn sunlight into food through photosynthesis. Staghorn coral polyps can live for hundreds of years. Look for staghorn coral in the Aquarium's Live Coral exhibit in the Tropical Pacific Gallery.



Check out Straw Cops on the Aquarium's YouTube channel at [youtube.com/aquariumofthepacific](https://www.youtube.com/aquariumofthepacific).

Straw Cops Video Starring Pacific Pals Characters Targets Plastic Pollution

THE AQUARIUM CREATED A VIDEO that was released on National Skip the Straw Day on February 22 called *Straw Cops*. This buddy cop movie parody stars Seymour Shark and Captain Quinn, two of the Aquarium's Pacific Pals characters.

Straw Cops follows the characters as they track down a gang of plastic bootleggers trying to spread single-use straws. Seymour and Captain Quinn eventually teach the plastic purveyors about the harms caused by plastic pollution in the ocean and help the public choose better alternatives along the way. The full video is available to view on YouTube.

Straw Cops was written, filmed, and edited entirely in-house by the Aquarium's education department staff. The Aquarium has joined nearly two dozen other aquariums across the country in a campaign to raise awareness about plastic pollution in our ocean, rivers, streams, and lakes. The campaign asks those who don't need plastic straws, to accommodate a medical condition or disability, for example, to skip them. To read more about these efforts, visit the Aquarium's website and click on Conservation.

See the Pacific Pals live at the Aquarium on weekends!



The Aquarium has diverted over 5,000 pieces of plasticware from the landfill.

Sleepover Program Switches to Reusable Cups and Utensils

THE AQUARIUM'S EDUCATION DEPARTMENT has implemented changes to help make its sleepover program more sustainable. In 2017 Education Supervisor Katie Sullivan started using steel cups, mugs, and metal flatware when serving food to Aquarium sleepover guests. This has diverted over 5,000 pieces of plastic from the landfill. The program also composts the plant-based plates and bowls and fruit scraps after meals.

Sullivan aims to eliminate all single-use consumables from the sleepover program to reduce its environmental footprint and serve as a model for other programs at the Aquarium.

Pacific Visions Earns Commercial Real Estate Award

PACIFIC VISIONS earned the gold award in the public category from the *Los Angeles Business Journal's* Commercial Real Estate Awards. The CRE Awards showcase the biggest, best, and most notable commercial real estate projects throughout Los Angeles. The publication honors the developers, architects, and general contractors of each award-winning project.

Accepting the award were Trent Zinn, project manager, Woodbridge Glass; Jane Parry, project manager, Clark Construction; Fahria Qader, director of Pacific Visions and architecture, Aquarium; Tom Farrar, senior project manager, Clark Construction; and John Rouse, vice president of operations, Aquarium.





Winning designs were featured in the Trashin' Fashion Show.

Artists and Budding Fashion Designers Win Prizes at Urban Ocean Festival

THE AQUARIUM hosted an art exhibit and fashion contest during its annual Urban Ocean Festival on March 30 and 31. The art exhibit featured first and second place winners in the annual Urban Ocean Art Contest. The Trashin' Fashion Show and Contest showcased designs made of recycled materials.

The Urban Ocean Art Contest solicited entries that illustrated people's connections and appreciation of our local coast and ocean. Abigail Clarke's painting *View from the Deep* was the first place winner in the painting/drawing category. Copeland Holt's painting *Coral on Canvas No. 5* was the second place winner in the painting/drawing category. Felipe Ventura's image *Medusa* was the first place winner in the photography category. Gabriel Aaron Barrera's photo *The California Brown Pelican* was the second place winner in the photography category.

In the festival's Trashin' Fashion Contest, Jenivive Bernbeck won the grand prize, Alice Chao won second prize, and Yesenia Zuniga won third.

Art and fashion celebrated the urban ocean.

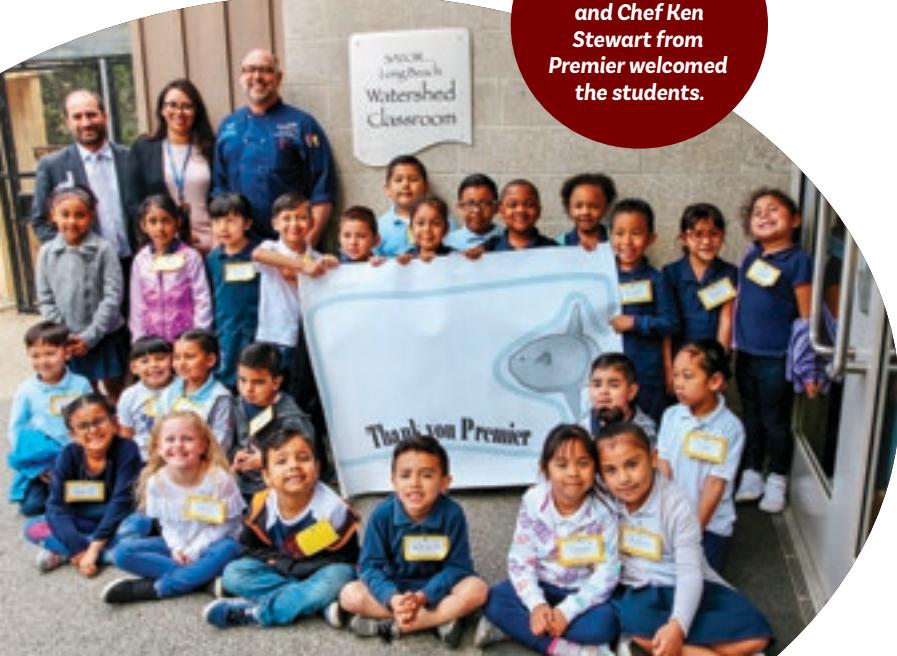


Felipe Ventura, Medusa



Abigail Clarke, View from the Deep

Luis Diaz,
Yamid Duarte,
and Chef Ken
Stewart from
Premier welcomed
the students.



Students Visit During Grand Prix

ONE HUNDRED AND TWENTY STUDENTS from Willard Elementary School visited the Aquarium on April 11 and participated in ocean education programs, thanks to a donation from the Aquarium's onsite food and beverage provider Premier Long Beach. The corporation donated to the Aquarium's scholarship program for the fourteenth consecutive year, allowing children to visit during the week of the Grand Prix of Long Beach. Since 2003 Premier Long Beach has donated more than \$150,000 in scholarship funds, providing Aquarium visits for more than 19,500 students.



New Shows Now Playing in Ocean Theater

TWO SHOWS are now playing daily in the Ocean Theater, *Sammy & Ray 3D* and *Hurricane 3D*. *Sammy & Ray* is an animated film following the story of two young sea turtles as they cruise the ocean on their raft. *Hurricane* explores hurricanes in the Atlantic, how they develop from winds to monsoons to depressions as they travel across the ocean, and their impacts on people and the environment. Stop by the theater for show times. Films in the Ocean Theater will be free for both Aquarium members and non-members starting May 24.



A Unique Setting for Your Event

The Aquarium of the Pacific's new award-winning Pacific Visions wing provides a unique venue for private events, including outdoor picnics and indoor receptions or dinners. Other spaces available include the Great Hall, Shark Lagoon, and adjacent Shoreline Aquatic Park.



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yourevent.aquariumofpacific.org 562-951-1663 AOPCatering@longbeach.cc.com



July 4th BBQ

THURSDAY, JULY 4 • 6:00PM
Aquarium will be open until 10:00PM

PRICING: Includes Aquarium admission.

Regular seating on
Harbor Terrace and Front Plaza

General Public: Adults: \$79 (12+)
Child: \$43 (3-11) Members: Adults: \$64
Child: \$28 (3-11)

Premium seating
on the Veranda

General Public: Adults: \$94 (12+)
Child: \$53 (3-11) Members: Adults: \$79
Child: \$38 (3-11)



Father's Day BBQ

SUNDAY, JUNE 16 • 11:30 AM - 1:30 PM

PRICING:
Includes Aquarium admission

General Public:
Adults: \$74 (12+)
Child: \$43 (3-11)

Members:
Adults: \$59
Child: \$28 (3-11)

Pacific Visions Fundraising

Donations from families, individuals, foundations, corporations, and other organizations have made Pacific Visions possible. This overview highlights sources of the funds in recognition of their support for the Aquarium's new expansion.

City of Long Beach



Rivers and Mountains Conservancy Board Chair Frank Colonna, Aquarium President and CEO Jerry Schubel, and Long Beach Mayor Robert Garcia.

"The Aquarium is grateful for the support that the City of Long Beach has provided since our opening in 1998 and in particular for its leadership role in the Pacific Visions expansion. The City's \$15 million challenge grant enabled the Aquarium to reach the \$53 million project funding goal. The Aquarium has come a long way since 1998, and we could not have done it without the enthusiasm and support of the City of Long Beach."

— Aquarium President and CEO Jerry Schubel.

Pacific Visions Fundraising Sources

\$'s Expressed In Millions



- City of Long Beach (Matching Grant) ■ Foundations/Corporations
- Aquarium Board Directors ■ Aquarium Capital Investment
- Individuals and Other Sources* ■ Other Government

*Other sources include Aquarium members who donated over \$42,000 and Aquarium guests who donated over \$12,000.

Add Your Name or Message to a Seat



The Honda Pacific Visions Theater has stadium-style seating for more than 300.

With the opening of the new Honda Pacific Visions Theater, there is a unique opportunity to be part of the Aquarium's milestone moment by naming a seat in the theater.

You can name a seat in the new Honda Pacific Visions Theater in honor of loved ones, your business, your favorite Aquarium animal, an anniversary or wedding, or in memory of someone special. By naming a seat with your gift of \$5,000, you are supporting the Aquarium's future and ensuring we continue to engage guests in conversations about our relationship with the planet and alternative pathways to the future. Please note that your name will be etched on a plaque placed on the back of the seat and recognized digitally on the website, and printed in Aquarium publications.

For more information, please visit aquariumofpacific.org/seatcampaign or call the development office at (562) 951-5386.

Glass Guild

Started in 2018, the Glass Guild is composed of individuals, corporations, and foundations who are supporting Pacific Visions by ceremonially purchasing one or more of the 839 glass panels adorning the new building.

The following individuals and organizations have joined the Glass Guild (as of April 22, 2019).

North Section: \$5,000

Yvonne M. Bogdanovich
Esther S. Chui Chao
Robert Gordon
Bert Levy
Cindy L. Matsumoto and Gary Y. Matsumoto, Ed.D.
Don Tippett

West Section: \$1,000

Charles and Cindi Alleman
Dr. Kim A. Armstrong
Harry and Christina Bannigan Family
Bruce and Michelle Baral
Wayne and Ruth Barber
Barbara Benjamin-Rubick
Donna Chinn and Gerry Hanley
Michele and Paula Del Vicario
Michael J. Gaczkowski and Vicki L. Kane
Dan and Karen Harvey
Hovannes Kechian
The Lewis Family
John H. McCarty
Edward and Carol McKeown
Janet Mentzer
David and Jean Merrill
Maurice F. Meyenburg
Alex and Margie Norman
William and Beverly O'Neill
Alita Rabe
Robin J. Riggs
The Scharffenberger Family
Jeffrey Spofford
David J. Sontag
Michele Sousa
Gerber Taylor
Debbie Thorpe
William Waterhouse and Barbara Long
Khelly Webb
The Webb Family
Eric and Renee Weigand
Craig and Leslie Wiberg
Patrice Zamenhof

East Section: \$3,500

Mark S. Bertrand and Robert K. Stanton
Edward and Lin Chen
Roxann Langum Davis
Mary Murfey
Jeanne B. Sleeper
Volunteer Divers
Robert and Maureen Watts

Entrance Section: \$2,500

Anonymous
AoP Dive Team 4B
Howard and Nikki Applebaum
Stan and Joann Benson
Mark S. Bertrand and Robert K. Stanton
Cemrock Landscapes, Inc.
Norman and Diane Delaterre
James and Barbara Ghormley
Ed, Evelyn, William and Eleanore Heaney
Valerie and Bob Hoffman
Virginia Stover and David Huff
Judith L. Jacobus
Monica Kaxon-Rupp
Nancy and Ronald Koelling
Cynthia and David Mirsky
Kathie Nirschl
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Daniel and Denise Perlstein
Derrin Roe and Bertha Cerda
erin r. russell
William and Diane Salter
Karen Conmy and Lori Sherrill
Arlo G. Sorensen
Richard and Barbara Stratton

To learn more or to become a member of the Glass Guild, please visit aquariumofpacific.org/glassguild or call the development office at 562-951-1605.

Education Donors

Thank you to the following donors for their support of the Aquarium of the Pacific's education programs for students, families, and our community in 2018.

\$100,000+

Anonymous
Windsong Trust

\$50,000+

BCM Foundation
Edison International
The Robert and Lisa Margolis Family Foundation

\$25,000+

Bank of America
Johnny Carson Foundation
The Miller Foundation
The Rudolph J. & Daphne A. Munzer Foundation
Dwight Stuart Youth Fund

\$15,000+

Capital Group
Employees Community Fund of Boeing California
The Henry L. Guenther Foundation
Los Angeles Dodgers Foundation
Kenneth T. and Eileen L. Norris Foundation
Union Bank Foundation
Union Pacific Railroad
Ned Solot and Corrin Yep

\$10,000+

BNSF Railway Company
The Mark Hughes Foundation
The Thomas and Dorothy Leavay Foundation
National Marine Sanctuary Foundation
Margie and Frank Newell PREMIER
The Reinhold Foundation
U.S. Bank
Whitney Young Children's Foundation

\$5,000+

Appleby Foundation
Evalyn M. Bauer Foundation
Begin Today For Tomorrow

Carnival Foundation
City of Long Beach
Stormwater/Environmental Division

The Foundation of the Family of C.M. and Edna P. Cotton

Fluor Foundation
Sheila, Dave and Sherry Gold Foundation

George W. Harben
Bess J. Hodges Foundation
Northrop Grumman Corporation

Sidney Stern Memorial Trust

UPS Foundation
Wells Fargo

\$2,500+

The Ballantyne and Leonard Foundation
Ella Fitzgerald Charitable Foundation
NOAA Fisheries
The Weiler Foundation

\$1,000+

Beverly J. Johnson Foundation
Dennis C. and Suzanne M. Poulsen
Reynolds Family Foundation
Khelly Webb
Winnick Family Foundation

Aquarium Board of Directors

Executive Officers

- **Dr. Jerry R. Schubel**, president and CEO
- **Mr. Anthony T. Brown**, VP of Finance/CFO
- **Ms. Cecile Fisher**, VP of Marketing/Corporate Secretary

Board of Directors

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- **Ms. Esther Chui Chao**
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- **Mrs. Charlotte Ginsburg**
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- **Dr. Jerry R. Schubel**
- **Mr. Kurt Schulzman**
- **Mr. Michael Sondermann**
- **Mr. Donald "Tip" Tippett**
- **Mr. Thomas Turney**
- **Mr. Stephen Young**

(as of March 31, 2019)
aquariumofpacific.org



Aquarium Accolades

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



Pictured: Dat Nguyen, Heritage Award honoree, and Kathie Nirschl, Aquarium vice president of human resources.



Pictured: Judge Kelvin Filer, Heritage Award honoree, and Anthony Brown, Aquarium chief financial officer.



Pictured: Marilyn Padilla, Aquarium director of public relations, and Ryan Hickman, Young Hero Award honoree.

Dat Nguyen

Glenn McIntyre Heritage Award

The Aquarium presented the Glenn McIntyre Heritage Award to musician Dat Nguyen at the Festival of Human Abilities in January. Nguyen, who is blind, is a founding participant in the Festival of Human Abilities and helped the Aquarium create the event. He is also the co-founder and served as first president of the nonprofit organization Ngoc Trong Tim. Focused on the Vietnamese community, the organization raises awareness of the capabilities of people with disabilities and works to create positive images of people with disabilities.

Ngoc Trong Tim produces and airs weekly television shows featuring inspirational stories and interviews with people with disabilities, such as teachers, musicians, social workers, business owners, and tech workers. The organization supports and promotes schools, companies, and organizations that hire and provide services to people with disabilities. He currently serves as music director for Ngoc Trong Tim's concert gala and researches stories.

Judge Kelvin Filer

Heritage Award

The Aquarium presented the Heritage Award to the Honorable Kelvin D. Filer at the African-American Festival in February. A native of Compton, California, Judge Filer was appointed as a judge of the Superior Court in Los Angeles by Governor Gray Davis in 2002. He served three terms on the board of trustees for the Compton Unified School District and was a member and served as president of the Board of Directors for the Compton Chamber of Commerce.

For twenty years Judge Filer has participated in the Courthouse Interchange program as a lecturer at Compton High School. He also serves as a judge for the Teen Court Program at Compton High School. He is a founding member of the Association of African American California Judicial Officers and life member of the NAACP, the California Association of Black Lawyers, and the John M. Langston Bar Association, where he was inducted into the Hall of Fame in 2017.

Ryan Hickman

Young Hero Award

The Aquarium presented the Young Hero Award to Ryan Hickman at the International Children's Festival in March.

Hickman is a nine-year-old with a passion for recycling as a means of preventing trash from reaching the ocean. Over the past seven years he has helped to collect and recycle 450,000 bottles and cans and raised over \$8,000 for the Pacific Marine Mammal Center in Laguna Beach, California. Through his recycling project, Hickman hopes to raise awareness to help save the planet and save for this future college education. All proceeds from sales of his logo t-shirts benefit the Pacific Marine Mammal Center in Laguna Beach, where he also serves as a Youth Ambassador.

Hickman has earned many awards and recognition for his efforts. In 2017 he received CNN's Young Wonder Award, was listed on the OC Register's 100 Most Influential People list, and was named San Juan Capistrano's Citizen of the Year. In 2018 the Wyland Foundation presented him with its Ambassador for the Planet Award.

"Thank you, Aquarium of the Pacific, for this cool award. It's really easy to recycle. Just picking up a tiny piece of trash off the ground or keeping it from going in the ocean makes a big difference. If a nine-year-old like me can do it, anybody can do it." – Ryan Hickman

Pacific Visions in Your Pocket

After you experience Pacific Visions, continue the journey by downloading the new Pacific Visions EcoAlliance app for your smartphone. Participate in community challenges and augmented reality projects.



AFTER VISITORS LEAVE PACIFIC VISIONS they will be able to put their new knowledge into practice through an app for Apple and Android devices created by developer Artifact Technologies. The Pacific Visions app, EcoAlliance, invites players to become part of a community dedicated to learning more about conserving resources and making sustainable decisions in their daily lives. Players will also be able to participate in a series of interactive challenges, share photos, and collaborate on virtual projects to help visualize a sustainable future.

JOIN THE COMMUNITY

Anyone who downloads the app will be able to create a profile, select an avatar, and start collecting points and virtual resources by completing activities in the app and in the real world. While some challenges can be completed by players anywhere in the world, there will be a number of special projects that can only be found in the Long Beach area.

The app's interactive challenges allow players to test their knowledge and show commitment to conservation, earning badges as they complete each one. Complementing the interactive multiplayer game tables in the Pacific Visions culmination gallery, the app challenges focus on water, food, and energy. When the app launches, players will be able to complete the water conservation-themed challenges. Challenges on food and energy sustainability will be added over the course of the summer.

BUILD THE FUTURE

Using the resources they have earned in the app, players can contribute to virtual projects anchored to real-world locations and made visible via augmented reality. Players who visit those locations and view the area through the app's EcoLens feature will be able to see a vision of sustainability projects. Examples include virtual reservoirs for freshwater collection, virtual gardens for sustainable agriculture, and virtual generators for renewable energy. They will also be able to see how other players have contributed to these projects and can add their own resources. Contributing to these communal projects will earn players points and badges.

TAKE ACTION

Players can transform the things they learn and challenges they complete into conservation-minded habits by creating a personal action plan. They can share their action plans on social media to inspire others and collect additional rewards for following through on their commitments.

To download the Pacific Visions EcoAlliance app and other Aquarium apps, visit aquariumofpacific.org/visit/app.



100 AQUARIUM WAY
LONG BEACH, CA 90802

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A large, blue-toned photograph of the exterior glass wall of the aquarium, showing its grid pattern and some reflections of the sky and clouds. A white speech bubble is positioned in the upper right corner of the image.

Name a seat in the theater
or ceremonially name a glass
panel as part of the Glass Guild.

Support Your Aquarium's Future!

With the opening of Pacific Visions right around the corner, there are unique opportunities to be part of your Aquarium's milestone moment by memorializing your family, both inside and outside of the new wing.