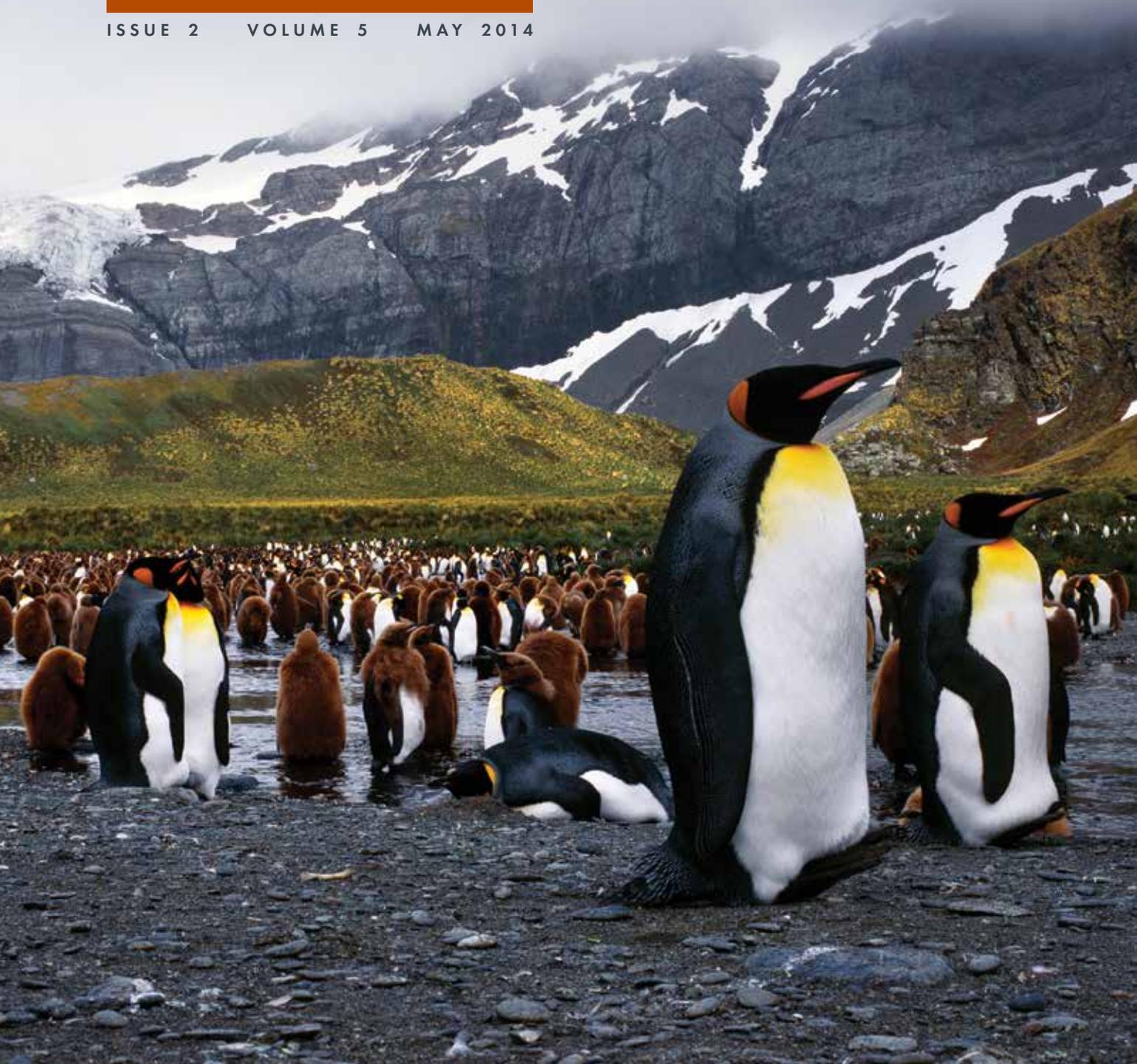


SAN DIEGO NATURAL HISTORY MUSEUM

# Field Notes

ISSUE 2    VOLUME 5    MAY 2014



**The Natural World**  
 PHOTOGRAPHS BY THOMAS D. MANGELSEN  
**Opens May 17**

*From the jungles of India to the icebergs of Antarctica, follow award-winning photographer Thomas D. Mangelsen to 10 of the world's last great places.*

Field Notes is published three times a year by the San Diego Natural History Museum.

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Cover Image: Thomas D. Mangelsen, *The Land of Kings* (detail), 2005, Gold Harbour, South Georgia Island, South Atlantic Ocean.

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San Diego Natural History Museum Mission:  
*To interpret the natural world through research, education, and exhibits; to promote understanding of the evolution and diversity of southern California and the peninsula of Baja California; and to inspire in all a respect for nature and the environment.*

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Dear Museum Supporters,

It's my pleasure to introduce the May 2014 issue of our popular *Field Notes*. The new calendar pull-out feature, introduced in February, has proven a great success and is included again in this issue. Check it out as you make your summer plans.

Summer is a time of high activity at theNAT. Come June, our children's camps are in full swing, and seeing the enthusiasm and energy of fresh minds soaking up our programs recharges the batteries of the staff. These inquiring youngsters remind us of why we have dedicated our time, talent, and treasure to the San Diego Natural History Museum. In fact, we have 11 staff members with 20 years or more service to the Museum, 18 with 10 or more. This dedication is a testament to the passion we all feel for the mission of the Museum.

Summer is also the time of year when the majority of our visitors come from out of town—over 60 percent in fact. This year they will be lured to theNAT by *Real Pirates*, the fascinating tale of the *Whydah* and her pirate captain, Sam Bellamy. If you haven't yet seen the exhibition, I encourage you to do so. It is rich in content and reveals the facts behind so much of the hype of pirate culture.

Our accompanying local component, *Pirates: Unlikely Naturalists*, illuminates a fascinating facet by-product of these marauding mariners: some were avid naturalists and contributed greatly to the natural history collections of the day, even influencing and informing the work of Charles Darwin himself!

Fortunately, you don't have to be a pirate to venture into the wilds of our region: southern California and Baja California. Our recent binational expedition continues to yield exciting discoveries which we look forward to sharing over the next year. Collating data and identifying specimens is a time-consuming process, culminating in formal publications which expand our understanding of the delicate and rare ecology of this area.

I would also like to personally address the recent controversy surrounding the Balboa Park Centennial Celebration. I want to assure each and every one of you that every Museum in Balboa Park will have stellar offerings to celebrate this wonderful milestone of one of the nation's greatest city parks. We look forward to leading this initiative by hosting two exceptional traveling exhibitions, *The Discovery of King Tut and Maya: Hidden Worlds Revealed*. We'll also premier a \$9 million core exhibition, *Coast to Cactus in Southern California*, which will give every 2015 visitor a true sense of place and understanding of this amazing region we are fortunate to call home.

Sincerely,

Michael W. Hager, Ph.D.  
 President and CEO

# Saving our Books, One Page at a Time

By Margi Dykens, Registrar and Director of Research Library

Two years ago, I wrote a short but heartfelt plea in *Field Notes*, asking members to help us conserve some of our deteriorating rare books in the Research Library. A photo accompanied the article showing a beautiful, but sadly damaged, hand-colored plate of a scarlet poppy from *Flora Londinensis*, a very rare work published in 1777.



Volume of *Flora Londinensis* before conservation repairs.



Melissa Behar, Margi Dykens, Carolyn and Steve Conner view the book restoration.



Book conservator Melissa Behar sews and reassembles our copy of *Flora Londinensis*, published in 1777.

Lo and behold, ask and we did receive! Museum members Steve and Carolyn Conner contacted Senior Director of Development Eowyn Bates to express interest in learning more. Thus began a highly successful and cordial relationship between the Connors and the Museum.

Here is our progress report on this endeavor, as we near the end of this two-year project. Melissa Behar, a professional book conservator, has worked faithfully one day a week on the book, first carefully disassembling it, and then repairing by hand every one of the 884 pages. To do this, Melissa had to hand-dye archival repair tissue to match up with each page in question and then meticulously paste it in place so that the mends are as inconspicuous as possible. Along the way she repaired folds and wrinkles such as the large fold visible in the lower left corner of the page shown in the photo of the poppy (opposite page). While the book was still disassembled and each page was able to lie completely flat, digital copies were made of each of the plates, which will be viewable on our website later this year.

Melissa next attached guards to each of the pages, assembling them in sections or signatures for rebinding. Now she is reassembling the book using

needle and linen thread and a book sewing frame which will hold the pages in place while stitching them together. The book cover and binding will be created with newly dyed leather to recreate the original look and feel of the volume as closely as possible. Once the restoration is complete, the volume will be featured alongside several of our other most spectacular books from the rare book room in the newly remodeled library exhibition space, scheduled to open in 2016.

The Connors came into the library to see some of the processes involved in this project. After chatting with Melissa on several occasions, they have a greater appreciation for the specialized skills inherent in a task of this magnitude. In particular, Steve has mentioned that this has been a very rewarding experience.

If you are interested in helping preserve other extraordinary books from our rare book collection, contact Eowyn Bates at 619.255.0172.

*Flora Londinensis* is a rare book in part because the original publication of the multi-volume work was not a successful endeavor. Written and published by William Curtis, the books were conceived to illustrate all the plants found within a 10-mile radius of 18<sup>th</sup> century London. However, most people of the time in England regarded these plants as ordinary weeds and were not sufficiently interested to pay to subscribe to this expensive and elegantly illustrated publication. As a result, only about 200 copies of the title were ever even published. Our copy was donated by Alice Wangenheim Heyneman around 1970, according to her son, Bob Heyneman.

## PAGES FROM THE PAST

### Going to Extremes

Biologists can be intrepid folks! They have been known to go to extremes in order to get a single specimen for the collection or the one piece of information they are seeking about a plant or animal.



In this photo from 1924, Laurence Huey, former curator of birds and mammals, had collected a skunk and is holding it as far away as possible due to its overpowering smell. He must have been seriously motivated to add this particular specimen to our collection!

Huey was also known to go out on a limb—literally—to bring home a specimen or determine the facts about a bird or mammal. Here he is shown at the top of a ladder peering into



a bird nest in a giant cactus in Baja California. His field notes mention how exhausting it was to haul around this long ladder along with all his collecting equipment in the field.



A 1967 image shows Reid Moran, former curator of botany, maneuvering to collect a plant on a very steep cliff in Guadalupe Island. Collecting like this is not for the faint of heart. But he got his specimens, many of which are in our herbarium today.

Our current field staff is equally brave. Pictured below is Drew Stokes, the Museum's bat expert, up to his armpits in a stream where he is mist-netting for bats. Our scientists today carry on this long tradition of seeking out their information wherever and however they find it, whether in the San Jacinto mountains, the caves of Baja California, or the scorching deserts of Anza-Borrego.



Common behaviors by a blue whale include fluking and blowing, typically seen while on board a whale-watching cruise.

## Get Your Fluke On

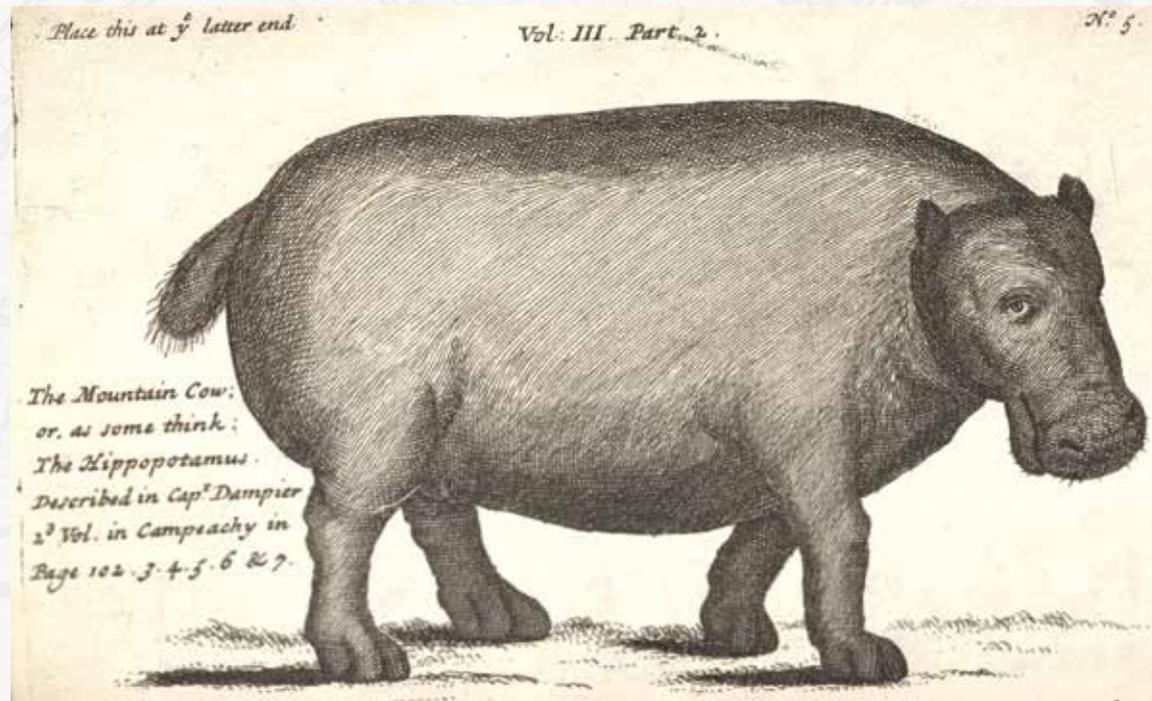
Prepare for an exciting ocean adventure this summer. Hornblower Cruises and Events, in partnership with the San Diego Natural History Museum, will offer cruises to see blue whales in their natural habitat.

Considered the largest animal to ever have lived on earth, the blue whale (*Balaenoptera musculus*) can be up to 108 feet long and weigh more than 165 tons. A small child could crawl through the aorta of this whale. The "blue" in their name comes from their mottled gray color that looks blue under water. Blue whales are found off the coast of California during summer and early fall when the krill can be plentiful. Krill are 2-inch long, shrimp-like crustaceans, and a blue whale eats around 4 tons a day—a lot of tiny food for the world's largest animal.

The blue whale has been listed as endangered on the Endangered Species List since 1966. According to the National Ocean and Atmospheric Administration, the population

of blue whales was significantly decreased by commercial whaling activities, dropping to less than 10,000 today. There's nothing like seeing these magnificent mammals in person, especially from the comfort of the 150-foot *Adventure Hornblower*. The boat has multiple decks, and the views are spectacular from all sides.

Hornblower Cruises and Events will offer trips on Saturdays and Sundays in July and August from 9 AM to 1 PM. Our Museum Whalers—naturalists trained by the Museum—will be on board every cruise to answer questions and offer facts about these magnificent creatures. Don't be surprised to see fin whales, humpbacks, sea lions, plenty of birds, and the occasional *Mola mola* (ocean sunfish). Ticket prices are regularly \$75 per adult and \$40 per child, but member discounts are available when you purchase your tickets through the Museum. Member discount tickets go on sale in June. For more information and to purchase tickets, please call 877.946.7797 or email [customerservice@sdnhm.org](mailto:customerservice@sdnhm.org).



# Pirates: Unlikely Naturalists

## THE CONNECTION BETWEEN PIRATES AND NATURAL HISTORY

Many do not realize that there was a direct correlation between pirates and natural history during the 17<sup>th</sup> and 18<sup>th</sup> centuries and beyond. In many respects, pirates were among the world's first citizen scientists. Due to restrictive international treaties, most ordinary English sailors or Royal Navy captains were unable to charter foreign waters, thus hindering them from engaging in lucrative commerce.

Pirates or privateers were often issued special privileges, seafaring permission slips if you will,

that allowed them to conduct business in various locations around the globe. Their adventures coincided with the rising interest in natural science during the late 17<sup>th</sup> century embodied by the Royal Society in London.

Many pirates or privateers from the late 17<sup>th</sup> century produced illustrated journals that contributed to the early rise of natural history. Their observations heavily influenced the work of scores of scientists and authors, including Charles Darwin, Daniel Defoe, Jonathan Swift,



Opposite page: Image from William Dampier's *Continuation of a Voyage to New Holland* (London: 1709). Above: *Blackbeard* from Captain Charles Johnson's *A General History of the Lives and Adventures of the Most Famous Highwaymen, Murderers, Street Robbers, &c. To which is added, A Genuine Account of the Voyages and Plunders of the most Notorious Pyrates* (London: 1729).

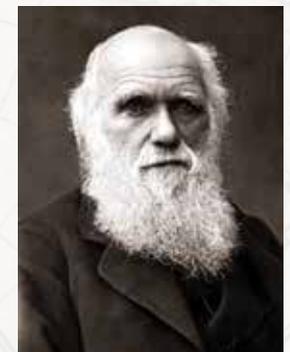
and Benjamin Franklin. Many of these books—dating from the late 16<sup>th</sup> to early 18<sup>th</sup> century and housed in the Mandeville Special Collections Library at UC San Diego—are on view in *Pirates: Unlikely Naturalists*, a bonus exhibition visitors experience as they exit *Real Pirates*. The exhibition was curated by Susan Loveall, CFO, COO, and vice president at the San Diego Natural History Museum (theNAT), and Dr. Mark G. Hanna, history professor at UCSD.

"Examining the true history of piracy allows us to shed new light on the subject and introduce a new outlook on piracy during the 15<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup>, and 18<sup>th</sup> centuries," said Dr. Hanna. "Pirates were in many ways the progenitors of citizen scientists

such as those who founded the San Diego Natural History Museum. Pirates had the unique ability to charter international waters, travel to forbidden regions, and document their findings. This made pirates a valuable resource to those interested in discovering new information about the peoples, flora, and fauna of various regions."

Also on view is a collection of the types of pearls sought by Spanish explorers and English pirates while cruising off the coast of Baja California or in the Sea of Cortés during the 16<sup>th</sup> and 17<sup>th</sup> centuries. The pearls, as well as authentic books and maps, are on loan to the Museum from the personal collection of Will and Carl Larson (Palagems.com), international gem and mineral dealers from Fallbrook.

"Co-curating this exhibition has been an invigorating experience," said Loveall. "Being a UCSD alumnus and having a genuine passion for our mission, I thoroughly enjoyed working with Dr. Hanna to unveil the connection between pirates and natural history. Visitors will undoubtedly walk away having learned a valuable lesson about the contributions pirates made to natural history."



The observations of former pirate William Dampier (left) were remarkably influential not only to works of literature but also to groundbreaking discoveries by scientists like Charles Darwin (right), Benjamin Franklin, and others.

# Coast to Cactus: From Concept to Construction

*In this second installment of a three-part series about Coast to Cactus in Southern California, learn about the progress of construction and how you can participate in the development of the exhibition.*



Guests at the March 23 Coast to Cactus event.

What would this region look like if you were to take a step back in time hundreds of years ago? While we can't go back in time, *Coast to Cactus in Southern California* aims to give visitors a sense of the region today while showcasing how the area has changed over time.

Over the past few months, the exhibition team has been working tirelessly to ensure

we are able to debut this core exhibition in time for the beginning of Balboa Park's Centennial Celebration in January 2015.

The team focused on finishing the physical gallery space that includes walls, flooring, lighting, electrical, and more. We celebrated this milestone on March 23 by inviting donors who have financially

supported the effort to preview the space and participate in signing the wall behind where the desert landform will eventually reside. Many generous Museum donors and their families enjoyed making their mark—literally—probably none more so than Carol and Dennis Wilson. Carol, a long-time docent, never hesitates to share that it was Dennis who first became involved with the

Museum, back when he was in high school. Now, thanks to a very generous gift from the Wilsons, *Coast to Cactus* will be housed in what will be named the Dennis & Carol Wilson Hall of Biodiversity.

Numerous exhibit elements that have been painstakingly built over the past months have begun to take shape. The Torrey Pines landform, a mid-century inspired patio, and the riparian area were installed in April. The desert section received its first major component: an adorable Airstream Bambi made possible by a generous donation from Henry and Carol Hunte with an in-kind donation as well from Airstream and Tom Fetter at RV Solutions. In June, the team will be installing

the chaparral theater and the wetlands area. In addition to the materials that arrived from our fabrication partners at the Science Museum of Minnesota, the team also installed a gray whale skull from our collection, and members of our Museum staff continue to add elements that are being produced in San Diego, including taxidermy and other specimens.

The mezzanine level (referred to by the Exhibits team as "the attic") will be transformed into a lounge-type setting that shows how the region has changed over time.

"You think of attics as a place where you find memories and emotional ties to one's life or of places we may have been,"

explained Senior Director of Public Programs Beth Redmond-Jones. "That was the impetus for this area of the exhibition. The team is creating a series of participatory exhibits that allow people to explore their connection to places in the past, the present, and to think about the future of this remarkable region we call home."

Two of the major elements within the attic will be created from contributions from members and the community. A Digital Scrapbook will feature a curated collection of images, including photographs, drawings, historical documents, and more. This spring and summer, the team is collecting a visual history of the region by



Exhibits staff installing the Airstream Bambi.

inviting members, volunteers, and the community to share their historic and present-day photos that will become part of an interactive media touch table inviting visitors to explore the region and see how it has—or has not—changed over time.

While the Digital Scrapbook is a visual history of place over time, San Diego Stories is an oral history of place over time. A comfortable seating area will surround a coffee table with a variety of phones from different eras. Visitors will be able to pick up a phone to hear a particular pre-recorded story about the region. Many of them will be short oral histories that focus on southern California natural

history and/or a specific place. Others will feature stories from children based on interactions with urban wildlife or will focus on how the choices we make will impact the future of a particular place or habitat.

The team is now curating content for these exhibits within *Coast to Cactus* through a variety of sources. If you have an interesting photo to share or story to tell, we're all ears (and eyes).

Join us for Family Day on Saturday, June 14 from 11 AM to 3 PM to share your historic photos of the region or the Museum itself. Bring up to five photographs highlighting your

favorite memories of southern California, which our staff will scan and digitize while you wait. You'll walk away not only with your original photos, but also a USB drive featuring your digitized snapshots.

Photos can include outdoor pursuits like camping in Anza-Borrego, hiking along the coast, catching critters in Mission Valley before the malls were built, or even an elementary school field trip to the Museum. It's up to you! Regardless of the content, your photos tell stories about the natural spaces of southern California, and those are stories we would like to share with our visitors.



Jerome Navarra, Carol and Dennis Wilson.

## PUBLIC PROGRAMS

We are happy to announce that you can now host your child's birthday party at theNAT! This has been a frequent request, and we have made it a reality. Recommended for children ages 5-12, your birthday child and their friends will experience a fun, educational program around one of our themes: Dinosaur Time Machine, Reptile Round-Up, or Bugs-n-Butterflies. For more information, visit [www.sdnat.org/birthdayparties](http://www.sdnat.org/birthdayparties). We look forward to helping your child celebrate their day.

We're also gearing up for Summer Camp. Children in grades Pre-K through 8 can join us for a week of activities, where they will discover dinosaurs, set sail

with pirates, and explore nature's wonders. As you may have noticed, we have changed our summer camp format for grades 1-8 from a half-day camp to a full-day camp. This decision was based on a number of factors, including instructional time available to campers, the challenges many families had with scheduling and driving, and financial reasons.

A thorough analysis of the program revealed that we were not able to cover our basic costs to operate the half-day camps, even after we modestly raised the tuition. While certainly not every program makes a profit or even breaks even, continuing our half-day camps was not sustainable for the long-term, even though we were already operating with numerous volunteers and limited expenses.

Because we are continually looking for ways to improve our programs while remaining fiscally responsible, we appreciate the feedback we have heard so far and will continue to gather input this summer.

On the exhibition front, we are getting ready to open a new photography exhibition featuring the work of Thomas D. Mangelsen and are also excitedly preparing for the 2015 Centennial Celebration here in Balboa Park. As a result, we will have a rich schedule of programming for our members and visitors. Mark your calendars for these upcoming exhibitions.

As always, we truly appreciate your support of all of our public programs and we hope to see you at one very soon.

THE DISCOVERY  
OF  
**KINGTUT**

**COAST TO CACTUS**  
IN SOUTHERN CALIFORNIA

**MAYA**  
HIDDEN WORLDS REVEALED

October 11, 2014–April 26, 2015

Opening January 2015

June 13, 2015–January 3, 2016

**Aye me hearty—what a parrty!**

On February 22, the Sefton Atrium was transformed into the deck of the *Scurvy NAT* for our annual fundraising gala. Sails unfurled and we cast off for a night of marauding and booty shaking. Over 200 guests swilled some grog and jiggled to the tunes of The Ancient Mariners (one of whom volunteers in our Whaler program!). This 3<sup>rd</sup> Annual Fossil Ball is as much a family reunion as fundraiser, bringing together our closest friends to celebrate the Museum. The gala commanding officers, Susan Evanco, Allison Henderson, Pam Palisoul, and Jessica Rohm, navigated the event to success, exceeding our fundraising goal. Our personal thanks go out to everyone who supported the gala. We look forward to seeing you next year!



**Fossil Ball Honorary Committee**

Dr. Patrick L. Abbott  
 Jeff Block and Michele Gerus  
 Anita Busquets and Bill Ladd  
 Cavnac & Associates  
 Courtney Coyle and Steven McDonald  
 Mary and Jim Dawe  
 Bill Disher  
 Mr. and Mrs. James M. Dort  
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 Frank and Caren Urtason  
 Christy Walton  
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 Dr. Mary M. Yang  
 Bradley Zlotnick, M.D.

*Opposite page, clockwise from top: Museum Board Chair Jeff Block; Carrie Huckell; Carol and Dennis Wilson family; Jessica Rohm, Allison Henderson, Mick Hager, Susan Evanco; Frank and Demi Rogozienski; Sefton Atrium; The Ancient Mariners; Eleanor and Jerry Navarra family.*

## MEMBERSHIP NEWS

### Maritime Museum Discount

Ahoy, members! If you like pirates and want to learn more about the maritime history of San Diego, you're in luck. Through September 1, Museum members will receive a special discount of \$3 off admission at the Maritime Museum of San Diego when you show your San Diego Natural History Museum membership card and photo ID.

If you've seen the awesome rigging, sails, and barrels around the Museum you can thank the Maritime Museum for lending us those great pieces. Visit [www.sdmaritime.org](http://www.sdmaritime.org) to plan your trip. Plus, don't miss their special Pirate Party on the Embarcadero May 17 and 18, a two-day celebration featuring

kids' costume contests, carnival games, cannon firings, weapon demonstrations, sword fights, and more.

### We're Greening Our Voting!

As a member, you are able to vote for the Museum's Board of Directors. You should have received the Board ballot electronically earlier this month. If you haven't, or would like to request a hard copy of the ballot, please call 619.255.0275. Ballots will also be available at the Admissions Desks near both entrances and in the membership office on Level 4 of the Museum. Sending the ballot electronically saves the Museum about \$4,000 annually in postage, printing, and staff costs, while helping us reduce our carbon footprint. Thank you for helping us go green!

### Join our Monthly Donors

Join the growing group of donors who generously give monthly to the Museum's Annual Fund. Monthly donors provide a dependable source of funding that allows the Museum to concentrate on developing exhibitions and educational programming, as well as to continue scientific research. Enrollment in our monthly giving program allows your dollars to go farther by eliminating the need to mail payments and can also be more convenient for you. You can opt to make a monthly gift from your credit card or directly from your bank account without having to worry about sending us a check. Visit [www.sdnat.org/donate](http://www.sdnat.org/donate) to enroll today, or call 619.255.0359 for more information.

## CORPORATE PROFILES

### Environmental Science Education Center Support

According to the Association of Science-Technology Centers, out-of-school science programs promote increased creativity, logic development, communication skills, and reading readiness.

With one-third of California teachers reporting that they feel unprepared to teach science in the wake of pressure to teach math and reading (2011), programs like those offered by the Museum's Environmental Science Education Center (ESEC) help fill in the gaps. Whether it's *Cloud Science*, *It's Elemental-The*

*State of Things*, *Tectonic Secrets*, or *The Science of Collections-Based Research*, science learning strengthens more than just science.

These programs, which serve more than 140,000 K-12 grade students each year, are made possible through generous contributions from foundations and corporations.

Both The VWR Charitable Foundation and Nordson Corporation Foundation/ASYMTEK have supported these programs for four years, and The Kenneth T. & Eileen L. Norris Foundation has supported ESEC for three years.

We thank you for your support!

### The Bravo Foundation

We would like to thank The Bravo Foundation for their support of our first ever Family Night/Noche para La Familia events last year. Families of students involved in the School in the Park program and the Migrant Education Program run by the San Diego County Office of Education were able to see displays of student work, participate in hands-on activities with bilingual staff, take exhibition tours, and more. Through Bravo Foundation's contribution, we were able to host nearly 500 members of local families at two Family Nights specifically developed for this community.



**COME ABOARD!**

Member tickets are \$15 on the first visit (up to a 45% discount off the non-member price). Plus, pick up a coupon at theNAT for \$5 off your repeat visit, or pass the savings along to a friend.

PREMIER EXHIBITIONS

Real Pirates

AN AUTHORITY FROM NATIONAL GEOGRAPHIC



Families enjoy a special evening at theNAT thanks to a generous contribution from The Bravo Foundation.

## Free Workshop: Estate Planning 101

The San Diego Natural History Museum has partnered with the San Diego Museum of Art to offer a free, informational course called Estate Planning 101. Classes are held at the Museum of Art and are scheduled from 9 AM – 12 PM on Tuesday, June 3; Thursday, June 5; Tuesday, June 10; and Thursday, June 12. All members, volunteers, and community friends are welcome to attend.

This free educational workshop series is geared to those who want to plan ahead to manage their own quality of life and should interest everyone age 50 or more. Each attendee will walk away with a complimentary binder stocked with informational tools and resources.

Topics covered in the workshop include: What does it cost to stay in your home “no matter what”? When do you need an advanced health care directive? A financial power of attorney? What is a conservatorship? How can you work with a non-profit organization to benefit your estate plan? How are your retirement accounts titled? How can you make sure your estate won't go through probate court? And what's so bad about that, anyway?

Well-respected local professionals including estate planning and elder law attorneys, fiduciaries, and elder care providers all volunteer their time to teach these classes as a community service.

Pre-registration is required because seating is limited. **To register, go to [estateplanning101.org](http://estateplanning101.org) or call 888.701.1954.** If you have questions, please contact Director of Planned Giving Donna Raub at 619.255.0314 or [draub@sdnhm.org](mailto:draub@sdnhm.org).



### In Memoriam

Ray-Etta Morrell was a member of the Museum's Live Oaks Society and active in Covey for nearly 30 years. Born in Alaska in 1916, she inherited a deep appreciation of nature and, after settling in Chula Vista with her husband, grew to love our region. She played piano and organ with the Covey for Christmas on the Prado, and later Balboa Park December Nights, for 20 years. When she passed away a few months ago, she left a trust which provided for a very generous gift to benefit the Museum. We offer up a heartfelt THANK YOU to Ray-Etta Morrell!

For more information about the Live Oaks Society, please contact Director of Planned Giving Donna Raub at 619.255.0314 or [draub@sdnhm.org](mailto:draub@sdnhm.org).

## VOLUNTEER NEWS

The Annual Volunteer Appreciation Event was held April 23, 2014. Two hundred and seventy volunteers and guests attended and enjoyed free admission to *Real Pirates*. Actors from the American Rose Theater generously donated their time and Authentic Flavors donated the catering. Barbara Myers and Carole Hertz, our “Shell Ladies,” were recognized for 40 years of service in maintaining a research collection of more than five million marine invertebrate specimens. Paleontology volunteer Jim Colclough was honored for 25 years. Forty-two other volunteers received recognition for 5, 10, 15, and 20 years of service.

### 40 Years

Barbara Myers, Marine Invertebrates  
Carole Hertz, Marine Invertebrates

Elizabeth Smith, Docent  
Bill Sullivan, Parobotanist  
Sharon Weremiuk, Botany

### 25 Years

Jim Colclough, Paleontology

### 5 Years

Michael Bigelow, Parobotanist  
Jeff Block, Board of Directors  
Barbara Booth, Parobotanist  
Debbie Burnett, Museum Whaler  
Sylvia Chilcote, Paleontology  
Virginia Crockett, Board of Directors  
Walter Davis, Board of Directors  
Margy Day, Docent  
Susan Evanco, Board of Directors  
Carol Filloon, Docent  
Patricia Gifford, Canyoneer  
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