



# The Maritime News

The Official Newspaper  
of San Francisco Maritime  
National Historical Park

December, January, February 2012/2013

## Plumb the Depths With Online Maritime Resources

BY GINA BARDI, REFERENCE LIBRARIAN

For my last article in *The Maritime News*, I wrote about using resources at the Maritime Library. In this installment, I'm going to focus on resources outside of the library — but don't think that means I don't expect to see you in here. We're always saving a seat by the window for you.

First, if you haven't used it already, you simply must try out our new catalog, Keys. Now why would I be hyping our library catalog when I just, a mere 64 words ago, said I was focusing on resources outside the library? Because my friends, Keys is online ([keys.bywatersolutions.com/](http://keys.bywatersolutions.com/)). Keys is outside of the library — it's inside the library. It's everywhere there is an internet connection and a device to read it on. All of our library resources and a good portion of our archival collections are cataloged there. We also have links to electronic resources such as Karl Kortum's report on the restoration of the *Star of India* or Jim Delgado's wonderful article on Aquatic Park, "A Dream of Seven Decades." But enough about us! Below are some great free resources to use when researching maritime history. I stress the word some because there are many more out there. If you come across a great resource, please let me know. I'll add it to my ever growing list.



**CALIFORNIA SHIPWRECK DATABASE** <http://shipwrecks.sl.c.ca.gov/> ▲  
Very wide but not very deep. In other words, it has many listings but not much information about the actual shipwrecks. It will certainly tell you when and where but not the who, how or why. Photo: Wreck of the *Alice*, Ocean Park, Wash., 1909. SAFR E3.381pl

**CALIFORNIA MARITIME ACADEMY** <http://library.csum.edu/>  
The CMA has a very nice library over in Vallejo. Their collection compliments ours as they have material we don't (and visa versa). Their collection is much stronger in subjects such as global studies and modern marine transportation. Members of the general public can order books through interlibrary loan. One of the highlights of the library webpage is a Nautical Fiction list created by Librarian Mark Stackpole. It's an annotated list of maritime themed novels arranged by author. Next time you're wondering what to read, I suggest you start there. The link to the list is located under the "research help" tab at the top of the page.

**MYSTIC SEAPORT** <http://library.mysticseaport.org/>  
This is one of the premier maritime museums on the East Coast. They have many online databases including ship and yacht registers, crew lists, and an index to boat designs from *Rudder* magazine. Check out the one on San Francisco shanghaiing.

**OLD SALT BLOG** <http://www.oldsaltblog.com/>  
Old Salt Blog, hosted by nautical novelist Rick Spilman, is a mixture of current news and events and posts on topics of historical interest. It has an amazing blog roll with links to maritime authors, history, lore of the sea, magazines, museums, and other topics.

**NATIONAL MARITIME MUSEUM**  
<http://www.nmm.ac.uk/explore/collections/>  
I truly cannot say enough about this wonderful site. One could spend a good many hours exploring their catalogs (or should I say catalogues)? They have many online collections which are endlessly fascinating, such as this one dedicated to Marine Memorials (<http://memorials.rmg.co.uk/>)

**LIBRARY OF CONGRESS HABS/HAER/HALS**  
<http://www.loc.gov/pictures/collection/hh/>  
This collection contains plans and photographs of our ships as well as historical reports when available. Use the search bar to find our ships and many others.

**MARINE TRAFFIC** <http://www.marinetraffic.com/>  
Ever want to know where a tanker is at anytime anywhere in the world? How about what ships, yachts, tugs, or passenger ships are in the Bay at this moment and how fast they are going? Then this is the site for you! Warning: this site is strangely addictive.

### Welcome



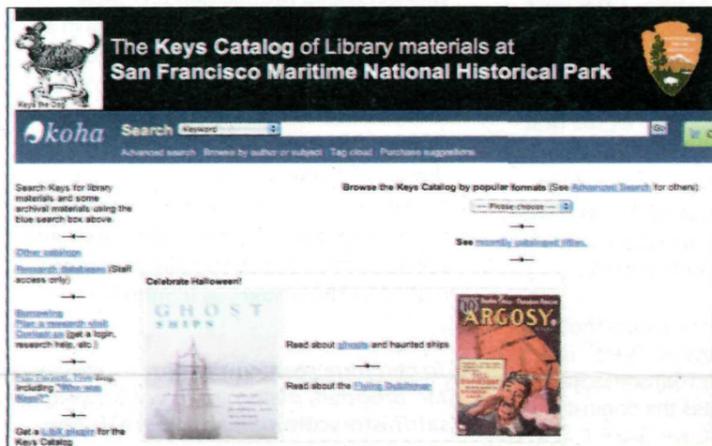
Temperatures are dropping, and rain is on the horizon, but there's still lots to do and see in the park. Photographers can capture stunning, winter-light Bayscapes, and even in foul weather families can stay snug and dry while enjoying *Balclutha's* below deck exhibits.

December brings the park's holiday events into focus: Christmas at Sea and Old Time Maritime Christmas. Join us aboard the historic vessels for music, refreshments, and a visit (by boat?) from Santa himself.

When it's cold outside, our library is a great place to curl up with maritime history. But this season, researchers can also study a new snapshot of the 1800s China trade: four fascinating journals detailing voyages aboard the three-masted ship *Niantic*.

And don't miss our new ranger program, Critters at Sea! From ships mascots sitting for crew portraits, to farm fowl strolling casually in the background, you'll get an engaging picture of the animals that went to sea.

Craig Kenkel  
Superintendent



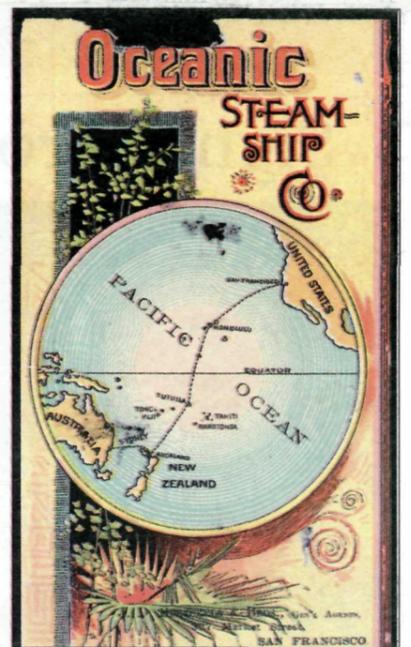
**KEYS CATALOG OF LIBRARY MATERIALS AT SF MARITIME NHP** ▲  
<http://keys.bywatersolutions.com/>



**PIER 70** <http://pier70sf.org/> ▲  
This website has pictures and stories about Pier 70, home to Union Iron Works among others. They use many pictures from our collection. Anyone interested in San Francisco neighborhood history should take a look. Photo: Pier 70, NPS

**MARITIME HERITAGE** <http://www.maritimeheritage.org/>  
This blog is a boon to genealogists with information such as passenger lists and histories of captains. They also have links to other sites (including ours) and a bibliography section.

**DICTIONARY OF AMERICAN NAVAL FIGHTING SHIPS**  
<http://www.history.navy.mil/danfs/>  
Published by the U.S. Navy, this encyclopedia has biographies for, well, American Naval Fighting Ships.



**MARITIME TIMETABLES** ▲  
<http://www.timetableimages.com/maritime/>  
A common reference question I receive is, "How long did it take to get somewhere and how much did it cost?" This site has beautifully scanned time tables from hundreds of shipping companies. Photo: Handbill: Oceanic S.S. Co. 1885, Color Litho, SAFR 8541

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Detail *Niantic*  
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4 Page For Kids

Chilly, wet, cool, dangerous, beautiful, soothing, inspiring. What are we describing? Turn to page four and find out!

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Park Website:  
[www.nps.gov/safr](http://www.nps.gov/safr)





National Park Service  
U.S. Department of the Interior

### San Francisco Maritime National Historical Park

Established in 1988, San Francisco Maritime National Historical Park encompasses 34 acres, and has the most National Historic Landmarks of any unit in the National Park Service. In addition to the fleet of historic ships at Hyde Street Pier, the park includes the Aquatic Park Historic District (Maritime Museum, beach, lawn area, and bleachers), a Visitor Center and a research library (in Fort Mason Center).

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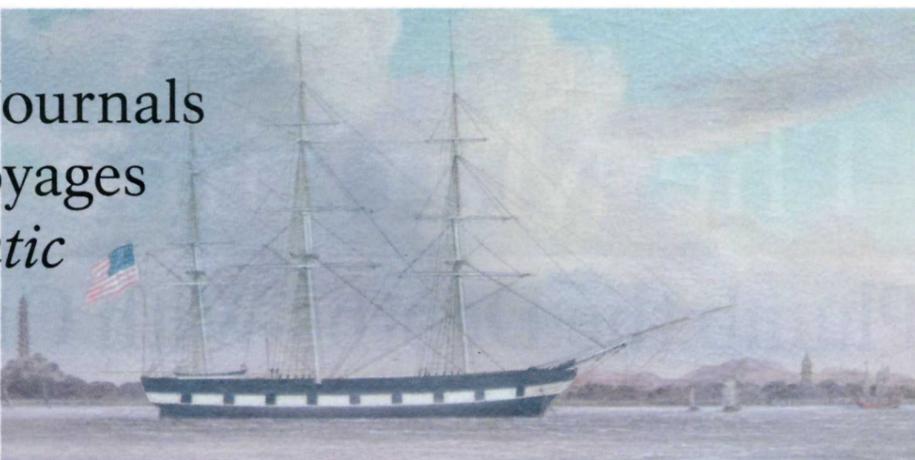
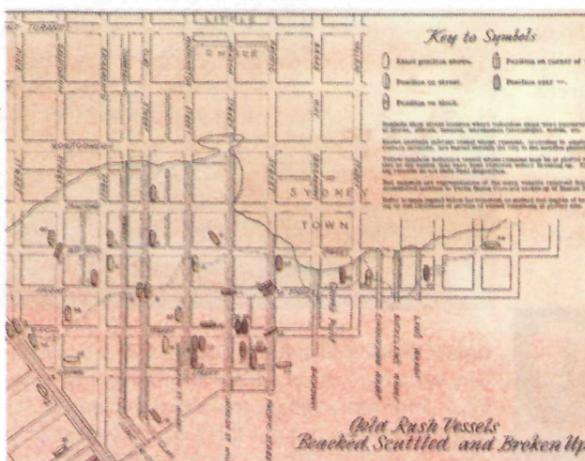
## Collections Corner

# Vividly-Written Journals Detail Four Voyages Of the *Niantic*

BY DAN BROGDEN, ARCHIVES SPECIALIST

The Park's historic document department has recently catalogued and made available for study four journals written between 1835 and 1840, by George S. Payne, a remarkably talented diarist who sailed on the first four voyages of the *Niantic*. Both the *Niantic* and George Payne came to extremely interesting and important endings in the same eventful year of 1849, but on opposite sides of the continent. *Niantic* ended her days as the most famous of the Gold Rush ships that were converted into buildings in downtown San Francisco, and George Payne ended up the victim of a brutal murder that touched off an even more brutal war in Florida.

In 1849, deep in the swamps of south Florida, a band of Seminole Indians attacked a trading post, killing two men in a blaze of gunfire. Store manager, army veteran and ex-*Niantic* journalist Payne was shot in the back while eating his supper. This "Massacre at Payne's Creek," as it became known, ignited a series of escalating tensions between the Natives and the white settlers of Florida that eventually became the Third Seminole War.



An oil painting of *Niantic* in port at Ningpo, China, circa 1836-39. SAFR 22386

In 1835, fourteen years before Payne's tragic date with destiny, the then 18-year-old from Connecticut signed up to sail on the maiden voyage of the *Niantic*. He also kept a journal "for the entertainment of his land loving friends." The *Niantic*, unbeknownst to any of her crew, was destined to become one of the most

famous ships of the Gold Rush fleet. Rediscoveries of the buried wreck in downtown San Francisco in 1872, 1907, and again in 1978, have ensured that she has become one of the best known of the ships

that were hauled ashore and converted to "other uses" in the frenzied growth of the city's waterfront in 1849 and 1850.

Map, above: A section of a map showing beached Gold Rush vessels. *Niantic* is at the intersection of Clay and Sansome Streets. The wiggly line indicates the original water's edge of Yerba Buena Cove. SAFR T.41,412N

The four *Niantic* journals of George S. Payne narrate each of the journeys he took onboard the ship while it was engaged in the China Trade. At first he describes himself as a novice, suffering from seasickness and describing the rigging as "a vast wilderness of ropes, the uses of which I have yet to learn" but he quickly grows into a confident sailor, gaining knowledge and responsibilities rapidly. By the third voyage, Payne was promoted to Second Mate in charge of the Starboard watch.

In addition to Payne's personal story, the journals also describe in great detail the daily operations of a square-rigged ship in the 19th century, with the crew clambering up the masts to reef sails and splice lines. They also describe, in a particularly intense episode, the murder of the captain's steward by the ship's cook, the actions and dress of the "Heathen Chinese" as Payne calls them, and the threats of Malaysian pirates. Payne makes a diary entry about twice a week through the four voyages, and his writing style and eye for details is such that the reader can really feel the voyages as if onboard.

To continue reading the entire article by Mr. Brogden, please go to [www.nps.gov/safr/historyculture/nianticjournals.htm](http://www.nps.gov/safr/historyculture/nianticjournals.htm)

## Sights Around the Park



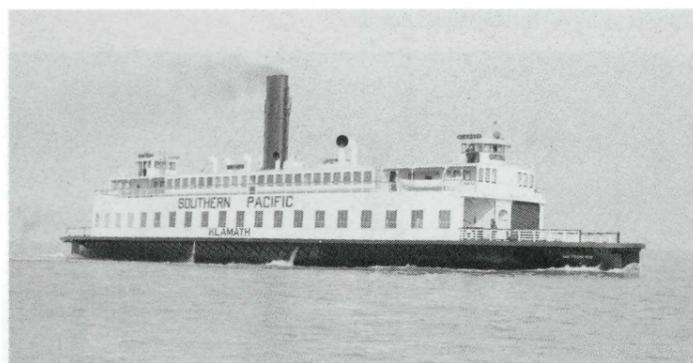
Maybe you have been walking along the beach in Aquatic Park and noticed two huge propellers sitting in the sand near the east roundhouse. They used to be attached to the double-ended ferry *Klamath* and have probably been out there in the park since the late 1960s. The ferry *Klamath* was built in 1924 at the Bethlehem Shipbuilding Company yard in San Francisco and launched into the San Francisco Bay on December 29, 1924.

Another interesting thing about the props is that they show evidence of cavitation. Can you see the pitting and roughness near the top edges of the blades? This damage was caused by cavitation, a phenomenon that can occur under certain conditions during the rotation of a screw propeller. In the turbulent water around the propeller air bubbles can't escape so they implode, releasing energy, and causing physical

damage to parts of the prop.

As a result of pressure variations in the water around the prop, bubbles grow, collapse, and implode on the blade, causing stress and surface fatigue and a type of wear called cavitation results.

The blades become less efficient, and thrust is reduced. Different reasons can cause less than favorable conditions for how water flows into the propeller. The pitch of the propeller or the style may be incorrect for the situation. For example, the prop might be rotating at too high a speed under too-heavy a load, or there may be imperfections on the hull of the vessel.



Maybe next time you stroll along the promenade, and stop to enjoy the view near the propellers, you can also impress your friends and relatives by expounding on their history and the principles of cavitation!

Photo, above: *Klamath* ferry on a trial run on San Francisco Bay, January 26, 1925. Built in 1924. From the Bethlehem Shipbuilding Company collection. SAFR B7.24,631gl

## Visitor Information

### Dates and Hours of Operation:

**Hyde Street Pier**, located at Hyde and Jefferson Streets, is open 9:30AM to 5PM. Last pier entry at 4:30PM.

**Visitor Center**, located at the corner of Hyde and Jefferson Streets, is open 9:30AM to 5PM.

**Maritime Museum (in the Aquatic Park Bathhouse Building)**, located on Beach Street at the foot of Polk Street. The building is open from 10AM to 4PM daily.

**Maritime Library**, located on the third floor of Building E in Fort Mason Center (auto entrance at Buchanan Street and Marina Blvd). The library is open Tuesday-Thursday, 1PM to 5PM. For other open hours call 415-561-7030 and visit [www.nps.gov/safr/historyculture/museum-collections.htm](http://www.nps.gov/safr/historyculture/museum-collections.htm).

### Contact Information

General Park Information: 415-447-5000  
Pacific West Info Center: 415-447-0463  
USS *Pampanito*: 415-775-1943  
Park Website: [www.nps.gov/safr](http://www.nps.gov/safr)  
Association Website: [www.maritime.org](http://www.maritime.org)  
Library Friends: [www.maritimelibraryfriends.org](http://www.maritimelibraryfriends.org)

**Entrance Fee for Historic Vessels: \$5**  
Free for supervised children under 16.  
Free with Federal Interagency Annual, Senior, Military, Access Passes, and San Francisco Maritime NHP Annual Pass.

**No-Fee Areas**  
Visitor Center, Hyde Street Pier, Museum Building, Aquatic Park Historic Landmark District, and the Maritime Library (Fort Mason Center).

**Reservations**  
Reservations for school groups and other educational groups must be made at least two weeks prior to your visit. Please call 415-292-6664.

### Accessibility Information



Programs in the Visitor Center, on Hyde Street Pier, and in the library are accessible. Accessibility to programs on the ships varies. For detailed information, please call the Visitor Center, 415-447-5000, or <http://www.nps.gov/safr/planyourvisit/accessibility.htm>.

### Permits

Special Use Permits require at least a one month notice and application. Filming permits are arranged on an individual basis. Please call 415-561-7049.

# Music, Tours, Events, Lectures and Living History

Please turn to the back page for today's schedule.

## NEW PROGRAM



Photo: SARP86.051.02pl

### CRITTERS AT SEA

Saturdays, December 1 & 15, and January 5, 2013, 1-1:30PM. Aboard Balclutha at Hyde Street Pier. Vessel admission (under 16 free).

Learn about the important roles that domestic, farm, and exotic animals played in the lives of sea captains, sailors, and families at sea aboard seafaring vessels from the Age of Sail to the present. ☺

## PROGRAMS

### BIRDS OF THE BAY

Saturdays, December 15 and January 12, 10-11:30AM. Meet at the entrance to Hyde Street Pier. Free.

Meet at the entrance to Hyde Street Pier for this 90 minute walk. All levels are welcome with a brief orientation for new bird watchers. We will view water, shore, citified, and migratory birds on this easy stroll. An orientation to spotting birds, and to using guidebooks and binoculars is included. Dress in layers with sun hat and sunscreen. Bring your own guidebooks and binoculars if you have them. ☺



### ANIMALS OF HYDE STREET PIER

December 9, 27, 28, 3PM; January 9, 10, 24, 25, 29, 3PM; February 6, 7, 3PM. Meet at the end of Hyde Street Pier. Free.

Come experience a whole different world you might not realize exists at Hyde Street Pier. Be prepared for squishy, slimy, and squirty creatures. ☺

### CRAFTS FOR KIDS

Saturdays, December 29, January 26, and February 23, 3PM. Meet at the entrance to Hyde Street Pier. Free.

Want to learn a little about life at sea and try your hand at making a maritime craft? Come on down to the pier and join us! ☺

### MARITIME STORY TIME: THE TALE OF HENRY AND HARRY

Saturdays, December 1 and January 5, 11-11:30AM. Meet in the Visitor Center. Free. Ages 6-12.

Join in this fun-filled, interactive program about two stowaway kittens aboard the Balclutha. Find out what it was like to be a feline sailor in 1887. ☺

**HISTORIC WATERFRONT WALKING TOUR: FROM GOLD RUSH TO NATIONAL PARK**  
Saturdays and Sundays, 10:30-11:30AM. Meet in the Argonaut Hotel lobby (495 Jefferson St.), next to the Visitor Center. Free.

Stroll with a Park Ranger to discover the history of this vibrant area on this mile-long tour through the Aquatic Park Historic District, the Cannery, Hyde Street Pier, and "Fish Alley" at Fisherman's Wharf. ☺

### ADVENTURES AT SEA: LIFE ABOARD A 19TH CENTURY SAILING SHIP

Daily, 2:15PM. Aboard Balclutha at Hyde Street Pier. Vessel admission (under 16 free). Join a guided tour of the historic ship Balclutha. Discover the hardships and rewards of the sailors who fought for survival during the treacherous Cape Horn passage. ☺

### HERCULES ENGINEERING TOUR

Sundays, December 2, January 13 and February 10, 2PM. Meet at the gangway on the Pier. Vessel admission (under 16 free). Tour includes climbing moderately steep ladders and entering cramped spaces.

Explore the major engineering spaces and learn about steam engine technology and its effects on the working environment of the marine steam engineer. ☺

### STEAM-POWERED DONKEY ENGINE DEMONSTRATION

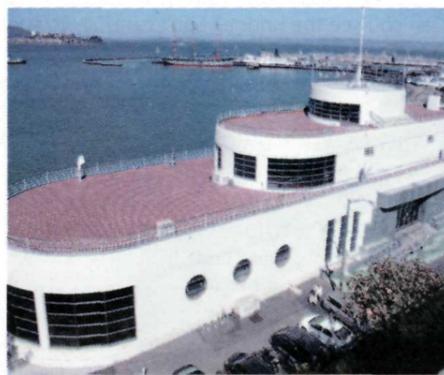
Sundays, December 16, January 20 and February 17, 9:30AM-3PM engine running, 11AM ranger talk. At the entrance to Hyde Street Pier. Free.

Join us for a demo and ranger talk about the donkey engine. Used ashore and aboard ship for loading cargo, raising anchor and setting sails, learn what is involved in steaming-up the boiler and operating this historic piece of machinery. ☺

### TOUR OF THE WW II SUBMARINE USS PAMPANITO

December 6 & 18, January 17 & 22, and February 12 & 21, 2PM. Meet at the submarine located at Pier 45, Fisherman's Wharf. Call 415-775-1943 for ticket prices.

Join a park ranger for an on-board historic talk about this Balao-class submarine (SS-38). Now a museum and memorial, the vessel made six patrols in the Pacific during WWII. The talk will emphasize stories about dramatic events during those patrols.



### MARITIME MUSEUM

Open 10:00AM to 4:00PM daily. Located at 900 Beach Street, at the foot of Polk Street. Free.

The newly restored 1939 Works Progress Administration-era building's lobby and veranda are open to the public. View the the unique architecture, stunning murals, sculpture, and temporary exhibits. ☺



## HOLIDAY EVENTS

### CHRISTMAS AT SEA

Saturday, December 8, 3:00PM-4:45PM. Aboard the historic vessels at Hyde Street Pier. Vessel admission (under 16 free). For information call 415-447-5000.

Bring the family down to Hyde Street Pier for an old fashioned holiday. Music, refreshments, ornament-making, and a visit from Santa (by boat) will be part of the fun. ☺

### OLD TIME MARITIME CHRISTMAS

Saturday, December 8, 6PM-9PM. Aboard the historic vessels at Hyde Street Pier. Vessel admission (under 16 free). Reservations are required. Call 415-447-5000.

The park's costumed Living History players will present their annual Old Time Maritime Christmas, bringing maritime history to life in this unique evening holiday program. Turn the clock back to Christmas 1901 where you will meet and talk with captains, wives, and crews aboard the historic vessels at Hyde Street Pier. Lamplit guided tours leave every 20 minutes from the entrance to Hyde Street Pier until 7:40pm. With the lights of San Francisco twinkling in the background, the historic ships and characters offer a memorable holiday experience. ☺

## IN THE LIBRARY

These programs are held in the Maritime Library, Building E, Fort Mason Center. For reservations call 415-561-7040 or melani\_van\_petten@partner.nps.gov.

### THE BENEVOLENCE AND THE MARY LUCKENBACH

Tuesday, January 15, 2013, 6PM. Donation: \$5 (general public); \$4 (Library Friends and SFMNPA members).

David Holly was a young Navy corpsman when the hospital ship U.S.S. Benevolence was sunk in a collision with the S.S. Mary Luckenbach just outside the Golden Gate in 1950. Join him to hear the story of his own survival and the dramatic rescue of 505 of his shipmates from the frigid Pacific waters.



### Friends of the San Francisco Maritime Museum Library

Join the Friends and help support the Maritime Library. Membership includes reduced admission to Friends' events, free admission to the historic ships, and discounts on Friends' booksale purchases. For more information, call 415-561-7040.

## AFRICAN AMERICAN HISTORY MONTH

**COME TO THE WATER: TEACHING SAN FRANCISCO BLACK HISTORY**  
Saturday, January 26, 11AM-1PM. Meet in the Visitor Center. Free.

A discussion about African-Americans in Calif. focusing on groups that had important roles in the events leading up to the Civil War. More at [www.californiablackhistory.com](http://www.californiablackhistory.com)



Photo: SAFR P00.21578x

### THE SAGA OF CAPTAIN WILLIAM SHOREY

Saturdays, February 9 and 23, 3PM. Meet in the Visitor Center. Free.

A series of slides will introduce you to the extraordinary life and accomplishments of the only black whaling ship captain on the West Coast.

### CHANTEYS: THE AFRICAN AMERICAN AND CARIBBEAN CONNECTION

Saturday, February 23, 1-1:45PM. Aboard Balclutha at Hyde Street Pier. Vessel admission.

Discover African American and Caribbean work songs of sailors, oarsmen, longshoremen and fishermen. Join Ranger Peter Kasin and Volunteer Richard Adrianowicz and join in on the choruses to these compelling chanteys.

### EXHIBIT: AFRICAN AMERICANS IN THE MARITIME TRADES

Daily, throughout February. In the Visitor Center.

Photo exhibit about the contributions of African Americans in maritime industries.

## MUSIC



### CHANTEY SING

Saturdays, December 1, January 5, and February 2, 8PM-MIDNIGHT. Free. Aboard a historic vessel at Hyde Street Pier.

Reservations are required: call 415-561-7171 or peter\_kasin@nps.gov.

Sing traditional working songs aboard a historic floating vessel. Bring a mug for hot cider served from the ship's galley.

### BEGINNING CHANTEY SINGING: A WORKSHOP

Saturday, January 19, 2-4PM. Aboard Balclutha at Hyde Street Pier. Free. Reservations required: call 415-561-7171 or peter\_kasin@nps.gov.

If you want to learn about sea chanteys and start singing them, then this workshop is for you! Learning songs by ear emphasized but lyric sheets will be provided. ☺

☺ FUN FOR FAMILIES PROGRAM

## Today In The Park

For more information about these programs, please turn to page three.

### DECEMBER

- 1 Historic Waterfront Walking Tour (every Saturday)  
Maritime Story Time  
Critters at Sea  
Guided Tour of *Balclutha* (daily)  
Chantey Sing
- 2 Historic Waterfront Walking Tour (every Sunday)  
*Hercules* Engine Room Tour
- 6 USS *Pampanito* Tour
- 8 Costumed Living History On The Pier  
Holiday Programs

- 9 Animals of Hyde Street Pier
- 15 Birds of The Bay  
Critters at Sea
- 16 Donkey Steam Engine Demo
- 18 USS *Pampanito* Tour
- 25 Park Closed: Happy Holidays
- 27 Animals of Hyde Street Pier
- 28 Animals of Hyde Street Pier
- 29 Crafts For Kids

### JANUARY

- 1 Park Closed: Happy New Year 2013
- 2 Guided Tour of *Balclutha* (daily)
- 5 Historic Waterfront Walking Tour (every Saturday)  
Maritime Story Time  
Critters at Sea  
Chantey Sing
- 9 Animals of Hyde Street Pier

- 10 Animals of Hyde Street Pier
- 12 Birds of the Bay
- 13 *Hercules* Engine Room Tour
- 15 Lecture in the Library
- 17 USS *Pampanito* Tour
- 19 Beginning Chantey Singing Workshop
- 20 Donkey Steam Engine Demo
- 22 USS *Pampanito* Tour
- 24 Animals of Hyde Street Pier
- 25 Animals of Hyde Street Pier
- 26 Come to the Water: Teaching SF Black History  
Crafts For Kids  
Animals of Hyde Street Pier

### FEBRUARY

- 1 Guided Tour of *Balclutha* (daily)
- 2 Historic Waterfront Walking Tour (every Saturday)  
Chantey Sing
- 3 Historic Waterfront Walking Tour (every Sunday)
- 6 Animals of Hyde Street Pier
- 7 Animals of Hyde Street Pier
- 9 Captain William Shorey
- 10 *Hercules* Engine Room Tour
- 12 USS *Pampanito* Tour
- 16 Birds of The Bay
- 17 Donkey Steam Engine Demo
- 21 USS *Pampanito* Tour
- 23 African American and Caribbean Connection Chanteys  
Crafts For Kids  
Captain William Shorey



The Maritime News is printed on recycled paper using soy-based inks. Please recycle it again.

# Page For Kids

By Park Guide Kristal Ip

Have you met one of San Francisco's oldest and most infamous residents yet? You will find that this particular resident is usually chilly and a little wet. You can watch it creep over the land and water, blocking the sun and covering up your view. Sailors dislike it, but some plants need it...Yes, I'm talking about **FOG!**

Whether or not you like fog, it is a part of the city, along with the steep hills, barking sea lions, and diverse cultures. Many of the plants here have adapted to the fog and use it as a source of water. Fog has also played a big role in our maritime history. Read these short stories to find out more!

### Uncovering the Secret Bay

Starting in the 1500s, European explorers sailed to California, discovering the ports of San Diego, Monterey and Point Reyes. But they never found San Francisco Bay because the entrance was always covered in fog! Not until 1769 did Europeans, travelling on foot and horseback, finally spy what one man said was "the best harbor I have seen on this coast north of Cape Horn." The funny thing was, they did not discover the Bay from the water — they saw it from the top of a mountain.

### Shipwrecks and Lighthouses

If you've ever been in a car on a foggy day, you know how hard it can be to see and drive. Navigating ships in foggy weather is difficult too. —In 1901, a passenger steamship named *City of Rio de Janeiro* was heading into San Francisco from Hong Kong. The fog was very thick and the ship hit a reef. Just eight minutes later, the ship sank, and all 128 people aboard died. It was the worst shipwreck in SF history. Five years later a lighthouse was built on Mile Rock near the site of the crash to prevent future wrecks. —A SF shipyard built two oil tankers in 1914: the *Frank Buck* and the *Lyman Stewart*. They both wrecked at the same spot near the new Mile Rock lighthouse! The *Lyman Stewart* collided with another ship in heavy fog in 1922. Fifteen years later on another foggy day, the *Frank Buck* suffered the same fate.

### Finding Beauty in the Fog

Fog can be dangerous but also inspiring. Poet George Sterling said SF is, "the cool, grey city of love." And Ambrose Bierce wrote, "This city is a point upon a map of fog." Photographer Eric Cheng wrote, "I have seen few things as beautiful as a 6:30am lift-off from SF International Airport in the autumn. From above, the rippled fog layer laps against the shores of the foothills like a voluminous cotton ocean."

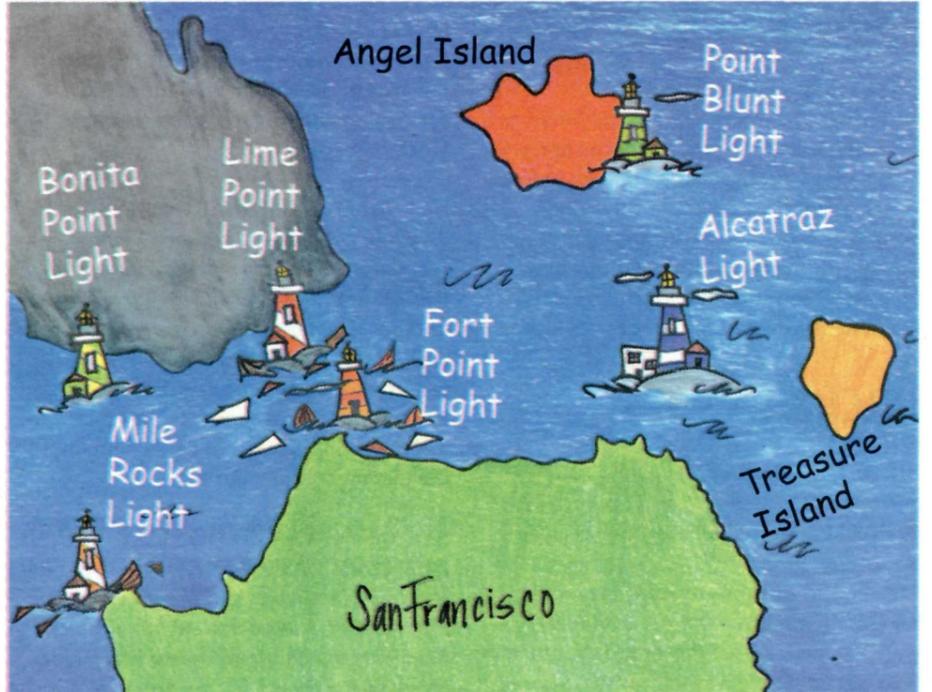


Illustration By Park Guide Noemeshá Williams

### Can You Find Beauty in the Fog?

Here are some foggy things to do on a computer! Listen to the sound of foghorns. Some people find them very soothing. <http://tinyurl.com/foghorn01> • <http://tinyurl.com/foghorn02>

Learn about the science of fog in San Francisco. <http://tinyurl.com/kqedscience> • <http://tinyurl.com/nasafog> • <http://tinyurl.com/natgefog>



This photo was taken from Hyde Street Pier looking west toward the Golden Gate Bridge. Can you see the bridge? Look carefully to spot the very top of the north tower. Photo: NPS

