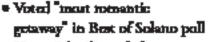


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BAYCROSSINGS

"The Voice of the Waterfront"

columns

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by Deb Self

SAILING ADVENTURES Written on the Wind by Captain Ray

BAYCROSSINGS

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We appreciate the opportunity to publish our readers' comments, letters or requests for corrections, which can be sent to joel@baycrossings.com.



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20 **BAY BRIDGE PROJECT** Steel Deck Sections Begin Journey



As the Bay Area's dean of aerial photography, frequent Bay Crossings contributor Barrie Rokeach has kept his lens trained on the region's iconic and lesser known bridges for more than three decades, revealing angles and aspects apparent to neither the motorists who cross them nor land-based observers. This month, we are proud to feature a gallery of his stunning images. A full poster version of the photograph used on this months cover is available at www.rokeachphoto.com



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San Francisco Bay Cruise Adventure An hour long cruise along the City's historic waterfront, right past the PIER 39 sea lions, under the Golden Gate Bridge, by Sausalito, past Angel Island and around Alcatraz.

Sausalito & Tiburon A comfortable ride across the San Francisco Bay to the two Marin seaside villages of Sausalito and Tiburon to enjoy shopping, dining or an easy stroll around town.

Angel Island A California State park and wildlife reserve. Angel Island is both a great picnic destination with hiking, kayak tours, an hour-long fullynarrated TramTour, as well as a historical site dating back to the U.S. Civil War.

Vallejo Sail to Vallejo, a waterfront community that includes the city's Heritage District, Vallejo Naval and Historical Museum and family-friendly Six Flags Discovery Kingdom theme park.

Alameda & Oakland There's dining in Jack London Square, the Farmer's market on Sundays and jazz nightly.

Blue & Gold Fleet at PIER 39 Beach Street & The Embarcadero San Francisco

A New Wave of Legal Action to **Stop Sewage Spills to the Bay**

filed three new lawsuits last month to prevent sewage spills into San Francisco Bay from the City of Millbrae, the City of San Carlos and the West Bay Sanitation District. Baykeeper's lawsuits against the South Bay entities are the latest in a string of Clean Water Act enforcement cases designed to improve wastewater management throughout the Bay Area.

Over the past 10 years, Baykeeper has brought lawsuits to rein in sewage spills from treatment facilities and sewer systems owned by the Cities of Vallejo, Burlingame and Richmond, as well as the East Bay Municipal Utility District (EBMUD). In this newest round of the organization's "Sick of Sewage" campaign, Baykeeper's legal actions are targeting cities with dilapidated sewage collection systems and high rates of upland spills from broken pipes.

cities' own records reveal that thousands of gallons of sewage have spilled in past five years.

Untreated sewage, as well as sewage that has undergone partial treatment, contains pathogens and other pollutants that can cause a variety of illnesses in humans that come into contact with contaminated water and can poison the Bay's food web and local wildlife.

"Bay Area cities have been able to pass the buck from one administration to the next by deferring maintenance of old sewage pipes. Baykeeper is determined

an Francisco Baykeeper to protect South Bay beaches and sloughs from sewage contamination," said Baykeeper Executive Director Deb Self. "The release of untreated sewage near Bair Island, Corkscrew Slough and other favorite recreation areas is a public health nuisance that shouldn't be tolerated any longer."

As Baykeeper launches this new round of sewage litigation, its previous efforts are bearing fruit. In response to Baykeeper's previous legal actions

> against EBMUD, the San Francisco Regional Water Quality Control Board recently issued individual regulatory permits to the Cities of Alameda, Berkeley, Emeryville, Oakland, Piedmont and Stege Sanitary District—the socalled "satellite systems" that send waste to EBMUD. These new permits allow regulators and the public to better track sewage spills and to hold individual cities accountable for leaky systems that

According to Baykeeper's research, the contribute excessive flows to EBMUD's overextended treatment facilities.

The U.S. Environmental Protection violation of clean water laws over the Agency has now taken action against the satellite systems, finding them to be in violation of the Clean Water Act and requiring a new round of inspections and sewage system repairs. Baykeeper supports the recent enforcement actions to help stop East Bay sewage spills but says it is investigating whether additional legal action may be necessary to ensure East Bay cities are keeping sewage out of the Bay. For more information, visit Baykeeper online at www.baykeeper.org.

"Bay Area cities have

 Deb Self, Baykeeper **Executive Director**

Bar Pilots Reaffirm Ties to Maritime Academy

BY PATRICK BURNSON

he San Francisco Bar Pilots Association (SFBPA) is renewing and strengthening its longstanding support for the California Maritime Academy with a combination of scholarships and support for enhanced recruitment efforts totaling over \$75,000.

Captain Peter McIsaac, SFBPA's president, said his organization has formalized a five-year commitment to the Academy to underwrite four annually-renewable \$2,500 scholarships for cadets pursuing a bachelor's degree and licensure as a qualified deck officer. The organization also made a five-year commitment to assist Cal Maritime's Center for Excellence and Learning in its efforts to recruit educationally and economically disadvantaged students.

"A majority of our pilots are graduates of the California Maritime Academy and we appreciate the Academy's contribution and service to the maritime industry," said McIsaac. "The Academy's curriculum and training help prepare students for a lifetime at the helm, on the bridge and at sea. We are proud to do our part and support the Academy's mission in creating the next generation of global mariners."

William B. Eisenhardt, Cal Maritime's president, expressed his deep thanks to the pilots for their ongoing support of the Academy—one of seven U.S. maritime academies and the only one on the West Coast. "Our ties to the piloting profession are long and deep along the Pacific Rim," he noted. "Nearly onethird of all the pilots currently guiding ships in and out of ports from southern California to Seattle, Alaska and Hawaii are Cal Maritime graduates. For the San Francisco Bar Pilots organization, it's almost two-thirds. Many of today's pilots were able to complete their educations only because of the scholarship help they got when they were in school."

"They understand how important

and valuable it is to have assistance like this, which allows students to concentrate on their studies and not worry how they will pay for them," Eisenhardt said. "The piloting profession is critical to the economy of California and the nation, as over half of all the international trade goods moving in and out of the country transit West Coast ports. The pilot's skills and knowledge of local ports and harbors are vital to the safe passage of these vessels and their cargoes. We are pleased to see our ties with SFBPA extended and strengthened through their generous support and commitment to the school and to our students."

Ugly Media Rumors

This very positive news comes about just when rumors surfaced in the mainstream media about the imminent demise of the marine transportation (MT) major program at Cal Maritime. According to Cal Maritime, however, the rumors are untrue; spokesmen said that the MT major program is "thriving" and there are no plans for its closure.

"State budget cuts to the university system have had a significant impact on Cal Maritime, including twicea-month unpaid furloughs for most faculty and staff, and freezes on hiring, travel and significant purchases," said spokesmen. "However, our prime focus in responding to the challenge has been on sustaining the quality of our programs for our students and that we are continuing to do."

Indeed, said spokesmen, MT is strong and continues to be the most popular major at the Academy, along with marine engineering, mechanical engineering, facilities engineering, international business and logistics, and global studies and maritime affairs.

APL Brings Cleaner Ships to Oakland

APL may no longer be headquartered here, but it is using the Bay Area to announce a major "green" initiative. APL used the Port of Oakland as a backdrop to usher in news that it had teamed with

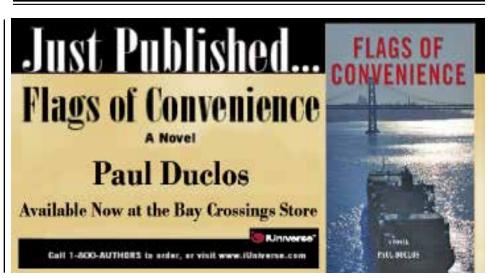


The San Francisco Bar Pilots Association announced a series of commitments to strengthen the California Maritime Academy last month.

the Bay Area Air Quality Management District on a "landmark" \$11 million project to cut vessel emissions and improve air quality starting in 2010.

Armed with \$4.8 million in air quality grants, the world's fifthlargest container carrier said it will retrofit its terminal and vessels to begin cold-ironing next December at the Port of Oakland. Cold-ironingturning off a ship's 2,000-horsepower diesel generators at berth and connecting instead to electrical sources ashore—enables vessels to maintain power in port while eliminating exhaust emissions. Cold-ironing is considered one of the most effective ways to improve coastal air quality.

Like many other major container lines, APL is ahead of the curve in meeting international environmental compliance standards. Regulations mandating coldironing in California take effect in 2014, but APL plans to begin three years sooner.



WATERFRONT ACTIVITIES

Every 12PM – 2PM or 2:30PM - 4:30PM - Introduction to Sailing Course, OCSC Sailing, Berkeley, 510-843-4200, www.ocscsailing.com

Saturday This two-hour skippered charter is designed to provide folks who are considering getting into sailing a real glimpse of the sport, our club and our people. Cost \$40.

January 6 6PM – 8PM - Yacht Design - Part I - In the water, Club Nautique - Sailing School 510-865-4700, www.clubnautique.net

Winter Wednesday Seminar Series. We help answer the question "What boat should I buy?" by explaining why boats are designed the way they are. Reservations required. FREE! Everyone Welcome.

January 9 10AM – 1PM - Advanced Sail Trim, Tradewinds Sailing School & Club, 510-232-7999, www.tradewindssailing.com

Join Tradewinds to discuss the finer points of sail trim. Ever wonder what a cunningham, backstay adjustment, or outhaul is for? Curious about terms like "sail twist?" This is the seminar for you! \$20 for members / \$30 for non-members.

January 10 9AM – 5PM - Anchoring Clinic, Club Nautique - Sailing School 510-865-4700, www.clubnautique.net

For the more experienced boater looking to hone your anchoring skills. We'll teach you double bow and bow and stern anchoring, how much scope and tools to make it all "set in". Members: \$282/Non-Members: \$375

January 16 10AM – 2PM - Tomales Bay/Giacomini Wetlands Tour, Blue Waters Kayaking, 415-669-2600, www.bwkayak.com

In celebration of the Giacomini Wetland Restoration Project, Blue Waters is now offering a new tour through the beautiful wetlands at the south end of Tomales Bay. This open space's character is changing daily as non-native grasses wither away under the onslaught of saltwater, while pickleweed and marsh plants take over. Ducks (sometimes thousands) dot newly created tidal ponds and bald eagles and marsh hawks soar over egrets and herons wading in slow motion. Cost \$88.

January 17 10AM – 2PM - Tomales Bay Kayak Tour, Outback Adventures, Larkspur, 415-461-2222, www.outbackadventures.com

Experience one of the premier paddling destinations in California on this guided kayak tour. Wildlife abounds in this spectacular setting. One of the largest protected bay and coastal areas in California, this kayaker's paradise is a short distance from San Francisco and the Bay Area.

January 20 6PM - 8PM - Yacht Design - Part II - In the Air, Club Nautique - Sailing School 510-865-4700, www.clubnautique.net

Winter Wednesday Seminar Series presented by Kame Richards of Pineapple Sails and local sailing guru. Kame will explain the whys behind sail design. Reservations required. Free! Everyone welcome.

January 20 6PM – 10PM - Moonlight Sail, OCSC Sailing, Berkeley, 510-843-4200, www.ocscsailing.com

This two-hour skippered charter is a great way to break up a long week. We'll be sailing from 6 to 8 pm and follow that with a chili and chowder social. Don't miss this great opportunity for a mid-week break! Cost is \$40.

January 21 7PM – 9PM - Warm Water Sea Kayaking: 2-Sessions; California Canoe & Kayak, Jack London Square, 800-366-9804, www.calkayak.com

This special cool-weather sea kayak class takes place in a warm, friendly, indoor pool for Part 1; in Part 2, we paddle on the sheltered waters of the Oakland Estuary. Graduates of this class are qualified to rent sea kayaks and participate in more advanced classes and trips. Thursday evening session is in Richmond, followed by a Saturday session, (9AM-1PM). Class fee includes pool use, all kayak gear, wet suit, and free kayak rental coupon for future use! \$119

January 23 4:30PM – 6:15PM - Moonlight Paddle, Outback Adventures, Larkspur, 415-461-2222, www.outbackadventures.com

Navigating your kayak by moonlight is a mystical experience you won't soon forget. This unique kayak tour allows for a grand view of the moon rising into the night's sky. We will paddle leisurely while admiring the moon's silvery light reflecting off the water's surface.

January 30 10AM – 1PM - Sail Repair and Kits Seminar, Tradewinds Sailing School & Club, 510-232-7999, www.tradewindssailing.com

Tradewinds will open up their sail repair kit and give you a peek! We'll show you what you should take and how to use it to make minor sail repairs underway. We'll also give some insight into how to tell if sails are nearing the end of their life or if they should be repaired. \$20/members, \$30/non-members.

January 30 10AM – 2PM - Kayak Basics, California Canoe & Kayak, Jack London Square, 800-366-9804, www.calkayak.com

Are you ready to try kayaking? Maximize your fun on the water! This 4-hour class allows you to paddle a few different types of kayaks, including Touring Kayaks (for open water), Recreational Kayaks, and Sit-on-Tops. Learn the basic strokes and the difference between boat types. This class emphasizes basic water safety, but saves capsize recovery practice for the Beginning Sea Kayaking class. Includes coupon for future rental, good for 2 hours! \$59

January 30 5:30PM - 8:30PM - Moonlight Kayaking, California Canoe & Kayak, Jack London Square, 800-366-9804, www.calkayak.com

Moonlight paddling is enchanting! The water is calm and glassy on the Oakland Estuary and the city lights add to the ambiance. We enjoy a leisurely pace as the sun sets and the moon rises, illuminating a delightful evening. Novices may paddle in a double kayak with an experienced friend. \$39

January 31 7AM – Noon - Scuba in Monterey, Advanced Diving Technologies, 925-754-8180, www.adtscuba.com

Winter is the best diving season for Northern California. The jellyfish are still here. The whales are in the Bay. The kelp forest is as beautiful as ever. Enjoy the myriad of colors, unbelievable until you experience it. 2 tank dive \$90, Twin cylinders welcome. Nitrox available. Sign up today!

January 31 10AM – 1PM - Richardson Bay Ecology Paddle, UCSF Outdoor Programs, Sausalito, 415-476-2078, www.outdoors.ucsf.edu

Discover the richness of Sausalito's Richardson Bay, making it one of California's most important bird estuaries. We'll paddle the shore and catch glimpses of unique birds and waterfowl in migration season while observing the unique ecology of the bay's northern region. \$65 includes all equipment and guides.



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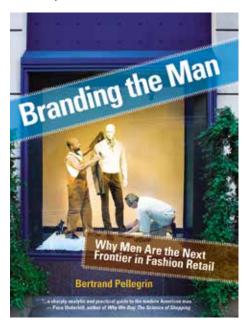
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Will Men Be Mad for Fashion Again?

BY PAUL DUCLOS

en making the same old New Year's resolutions regarding sobriety, diet and/or relationships may wish to consider something different: a style upgrade. Branding the Man: Why Men Are the Next Frontier in Fashion Retail (Random House/ Allworth 2009) should be just the ticket to get you started. It's also a great book for your next ferry commute.



Author Bertrand Pellegrin is the director of BP Consulting, a San Francisco-based boutique consulting firm specializing in retail development, strategic positioning and creative direction for global projects in brand design, architecture and business development. His book explores the evolution of masculine taste.

"Men are purchasing more clothes, shoes, health and beauty products and personal care services than ever before, yet the world of men's retail has remained a kind of bug in amber, frozen in time, with the same century-old style of merchandising and selling," writes Pellegrin. "To better attract this new wave of interested consumers, merchandisers and retailers must approach selling to this new man in a completely different manner."

The design and branding of a man's store ought to make men want to go shopping—and more importantly dress like an adult once again. This is not a book just for consumers, however, and certainly not a how-to on developing a sartorial identity.

Pellegrin offers retailers, buyers and marketers strategic solutions to revolutionize men's retail with some relatively simple conceptual strategies. If the male customer understands the need for style-that what is offered will provide a quantifiable change to his life—he will buy. The key, then, is to create the right combination of ambiance, service and merchandise to make that happen. Once the stage is set and the atmosphere established, the result is almost predictable: He will buy. Branding the Man comes down to a holistic approach to menswear retailing, focusing firmly on a richly textured experience that offers both the tangible and intangible.

"The customer discovers style in a place that simultaneously entertains and enlightens and that gives him a sense of community and self-confidence," writes Pellegrin. "When he leaves, it is with a feeling of having been understood and valued. Will he want to return? In all probability, yes."

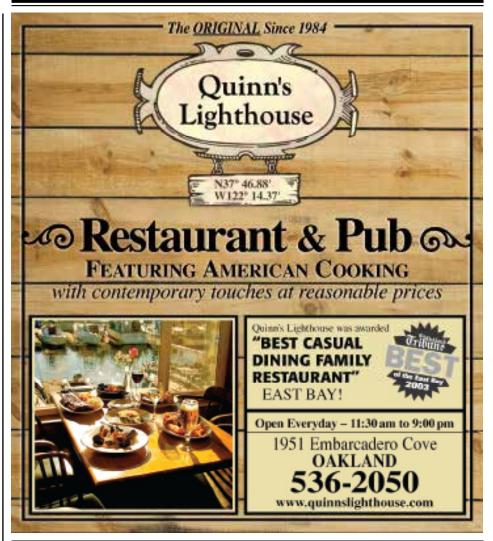
All That Jazz

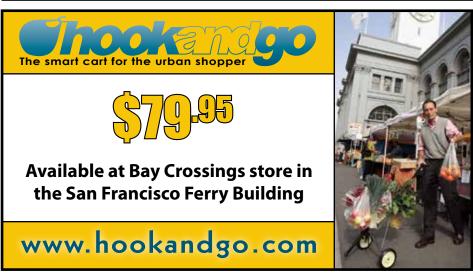
Jazz aficionados wishing to herald in the new year by supporting local musicians may wish to check out Coda, a new South-of-Market hotspot. Opened late last year, the supper club and lounge, located at 1710 Mission Street at Duboce Avenue, features some of the most innovative ensembles in the region. It also offers a la carte dining with American-Mediterranean cuisine.

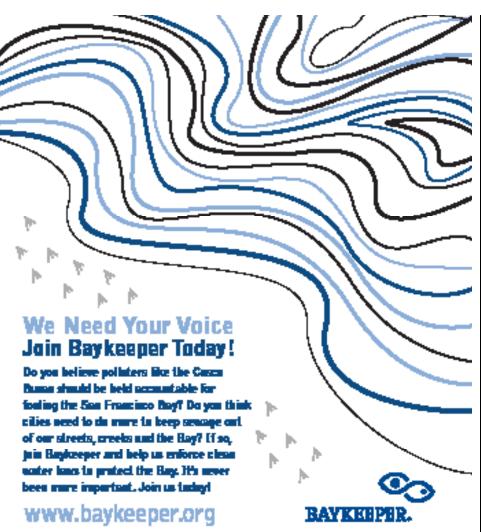
And unlike some tamer jazz venues in the City, this place is for adults; it has become a late night destination for mature audiences. Members of the Jazz Mafia family perform every Tuesday night, and, unlike many of the families meeting during the last holiday season, they are a bunch of guys who really get along. Indeed, this tight ensemble represents some of the West Coast's most talented bands and musicians, who describe themselves as "unique, sultry, and (ahem) DANGEROUS."

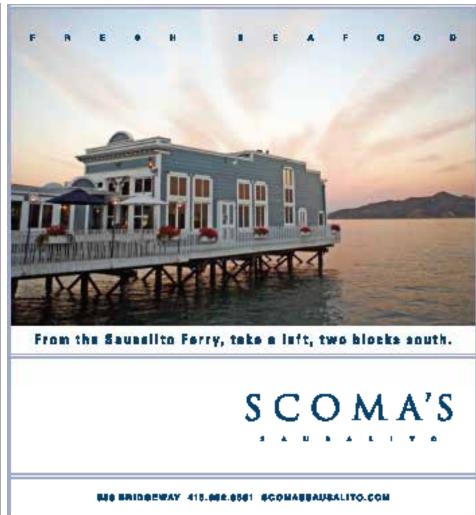
Every Wednesday night, Coda is home to masters of the Hammond B3 organ. The series is built around the club's vintage

1959 B3 organ—bought from a little old grandmother who'd kept it in pristine condition—and showcases the instrument by inviting the Bay Area's brightest B3 players to work their magic.









new year's resolution:

less stress, more relaxation, less anxiety, more energy, less complications, more simplicity, less traffic, more public transportation.



S.F. Welcomes First New Bike Lane in Three Years

ayor Gavin Newsom—along with bicyclists, city leaders, neighborhood groups and business owners—recently welcomed San Francisco's first new bike lane in more than three years, located at Scott and Oak streets along the city's popular "Wiggle" bike route. Newsom helped paint the city's first green-colored "Bike Box," an advanced stop line that gives bicyclists priority waiting room in front of cars at stop lights, at that same intersection. This bike route has also received additional improvements such as "sharrows" (shared lane arrows), new sidewalk bike racks, a temporary onstreet bike parking corral for 16 bicycles (at Steiner and Waller streets), as well as improved bicycle way-finding signage.

These bicycle upgrades and others being added to neighborhoods across the city come just days after the SF Superior Court ruled to partially lift the three-yearold Bike Plan injunction that has prevented all physical improvements for bicycles in San Francisco. The court's decision allows the City to move forward with striping 10 bike lanes and painting 75-miles of "sharrows," installing hundreds of sidewalk bike parking racks all across San Francisco and moving forward with innovations, like the "Bike Box," which will enhance the safety and convenience of bicycling.

"Bicyclists have waited more than three years for new bike lanes, so today is an important beginning for better bicycling and a better San Francisco," says Leah Shahum, Executive Director of the 11,000-member San Francisco Bicycle Coalition (SFBC), which promotes bicycling for everyday transportation. "We're pleased that the city is acting so quickly to get innovations like this Bike Box and the new, separated bike lane on Market Street on the ground, especially given the huge

increase in the number of people bicycling for transportation in San Francisco."

The SF Municipal Transportation Agency has reported that bicycle ridership in the city has increased 53 percent since 2006 and ridership along the popular "Wiggle" route has grown a whopping 76 percent since 2006. The "Wiggle," named for the circuitous path it takes at the base of hills from Market Street to the Panhandle of Golden Gate Park, is an important east-west bike route connecting the western neighborhoods with Downtown, the Financial District and areas south.

Residents of this neighborhood are excited about these improvements. "Bikes are an important part of this neighborhood—it's how people get to work, the store, or out on a Saturday night—and we are happy to see it become easier and safer to bike this past week," says Cheryl Brinkman, spokesperson for the Duboce

Triangle Neighborhood Association.

New bike lanes will increase safety and create continuous biking routes for the 128,000 people who already bike regularly, and will attract tens of thousands of new bicyclists. According to a just-released poll, more than half of San Franciscans say they would ride if streets had bike lanes and were more inviting for bicycling. Official City counts reinforce this, as bicycling activity increases, on average, by 50 percent after a bike lane is added, including the following noteworthy increases where bike lanes have been added in the past: Howard St. (300 percent increase); Valencia St. (144 percent); Arguello (67 percent).

The City expects that the SF Superior Court will hear the lawsuit that brought about the Bike Plan injunction in June 2010, at which point the lawsuit could be dissolved and the injunction could be lifted in full.



Protecting the Bay's Most Sensitive Areas

BY DEB SELF

Then I received news of the Dubai Star oil spill in late October, I immediately turned to the Bay's oil spill contingency plan, the document that governs how federal and state government agencies respond to an oil spill. The plan contains important information about the Bay's sensitive sites, such as the seasonal locations of rare and endangered species, and specific strategies to prevent oil from impacting more than 200 particularly sensitive Bay and coastal shorelines. As the oil spread in the hours following the Dubai Star spill, I grew worried about the shorelines in the path of spreading oil.

Here at Baykeeper, we're particularly concerned about impacts to the Bay's 232 state-designated sensitive sites—mud

flats and marshes, rocky cliffs, lagoons and sloughs. These mini-ecosystems have unique biological and chemical conditions that are vital to sustain rare plants and animals. For example, the beautiful salt marsh yellowthroat bird and tiny endangered salt marsh harvest mouse only live in the salt marshes around the San Francisco Bay. Sensitive sites ring the Bay, from Paradise Cove on the Tiburon Peninsula to Bair Island in the South Bay to Suisun Marsh in the northern reaches of the Bay. These sites are especially important to the healthy functioning of San Francisco Bay, and they are also the most vulnerable to harm by oil spills.

One of the key lessons learned from the 2007 Cosco Busan spill is that oil causes the greatest injury once it has spread from the site of the spill and washed into shoreline ecosystems, especially marshes, which are impossible to clean. It is vital, therefore, that top priority marshes, mudflats and other sensitive sites are shielded with protective booming—our best shot at keeping oil from touching the shorelines.

Some bird species and marine mammals that depend on rocky outcroppings and swift water tidal areas have particularly tough luck when it comes to oil spills, because these areas are difficult to effectively boom. It's just not feasible to keep oil off of the rocky bluffs of Angel Island and the Marin Headlands, or out of the entrances to Bolinas Lagoon and Drakes Estero.

Oil spills have also taken a toll on the Bay's eelgrass beds, which provide key habitat for marine life in San Francisco Bay. Eelgrass beds are essential to ongoing efforts to restore the native Olympia oyster and also provide a critical spawning site for Pacific herring, the Bay's struggling commercial fishery. Unfortunately, over the past few decades the size and number of eelgrass beds in San Francisco Bay has been steadily declining. What used to be vast meadows of eelgrass have been reduced to a few key beds near Richardson Bay, Point Richmond and Alameda. The remaining eelgrass beds and the marine life they support are vulnerable to oil spills. For even though the Dubai Star spill was relatively small—spilling approximately 400 gallons of fuel compared with Cosco Busan's 53,000 gallons-it resulted in six miles of oiled Alameda Island coastline, jeopardizing thirty acres of fragile eelgrass beds.

There also is growing evidence that

the Cosco Busan spill may have reduced numbers of Pacific herring, a Bay fish that lays its eggs in eelgrass beds, seaweed, and pier pilings that were contaminated by bunker fuel during the 2007 spill. A damage assessment following the spill revealed that herring eggs near the oil spill were deformed, stunted and twisted, all signs of exposure to the toxic components of petroleum. The Pacific herring fishery was closed by wildlife managers this September due to low numbers, leading some scientists to conclude that the population has not been able to rebound from the impacts of the Cosco Busan spill.

In the coming months Baykeeper will be investigating the *Dubai Star* response and helping to document the spill's impact on sensitive sites. For more information about Baykeeper's work to protect the Bay from oil spills, visit us at www.baykeeper.org.



Baykeeper, which uses science and advocacy to enforce clean water laws and hold polluters accountable. Deb has 25 years of experience in



environmental advocacy and non-profit management, and enjoys paddling the Bay and walking its shorelines.



www.scomas.com



WRITTEN ON THE WIND

BY CAPTAIN RAY

ast month, I brought up the topic of the International Regulations for Prevention of Collisions at Sea (the ColRegs). I explained how these Rules govern the interaction between vessels by designating one vessel as "standon" (required to hold course and speed) and the other as "give-way" (required to maneuver around the stand-on vessel). We also talked about the many exceptions to the general rule that sailboats stand on over powerboats.

This month, let's talk about sailboats and how the Rules control their movement. Because sailboats are so dependant on the wind, which vessel is stand-on and which is give-way is usually determined by each vessel's relationship the wind. In

the boat near the stern (the back of the boat). Because most humans are righthanded, this steering device went over the starboard (or right) side of the boat. When the wind came over the starboard side and the boat heeled (leaned) left (to port), that steering oar would not reach as deeply into the sea. Because of this, the boat was more difficult to control. In keeping with the overriding principle that right-of-way goes to the vessel needing it the most, the boat with the wind on the starboard side became the stand-on vessel, and the boat with the wind on the port side became the give-way vessel.

Another issue rooted deep in our sailing past has to do with the fact that for most of human sailing history, vessels were not able to sail upwind, or toward the direction the wind is coming from. They could sail downwind

> and, to some extent, across the wind; but not to windward. A great deal of effort has gone into making the "no-go zone," the area into which a sailboat cannot go, smaller and smaller. About 3,000 years ago, we began to make progress. The Arabs (the lateen rig), the Chinese (the junk rig), and the Polynesians (crab-claw sails) were able to sail toward the wind. Europeans came late to the table, beginning to sail upwind only about 300 years ago. The

expression "waiting for a fair wind" really did mean something when people were limited to mostly downwind sailing!

Because of the difficulty of sailing to windward, a shift in the wind's direction could (and often did) trap vessels against a shoreline—this is called a "lee shore" in sailor speak. Vessels unable to make progress to windward would have to anchor or be blown onto the shore.

Therefore, the right-of-way went to the vessel farther downwind (closer to the lee shore) because she was closer to the potential danger. That rule is still applicable today.

There is one exception to these wind-oriented rules, and that is when one vessel is overtaking (catching up from behind) another. Here the vessel that is being overtaken is stand-on and the vessel doing the overtaking is giveway. Which tack each vessel is on or who is upwind of whom doesn't matter in this situation.

So there you have the three major rules that govern sailboats as regards other sailboats: overtaking, wind on opposite side, and windward/leeward position. With this information, as you're riding a ferry across the bay or walking its shorelines, watch for sailboats

approaching each other. See if you can anticipate how they will maneuver in relation to each other.

Ray Wichmann, is a US SAILINGcertified Ocean Passagemaking Instructor, a US SAILING Instructor Trainer, and a member of US SAILING's National



Faculty. He holds a 100-Ton Master's License, was a charter skipper in Hawai'i for 15 years, and has sailed on both coasts of the United States, in Mexico, the Caribbean, and Greece. He is presently employed as the Master Instructor at OCSC Sailing in the Berkeley Marina.



effect, the wind sets the rules. In order to understand this, a little historical background is essential.

According to the best anthropological evidence, humans have been sailing intentionally for about 7,000 years. We suspect there may have been unintentional voyages before that! Before we invented the rudder, vessels were steered with an oar or paddle hung over the side of



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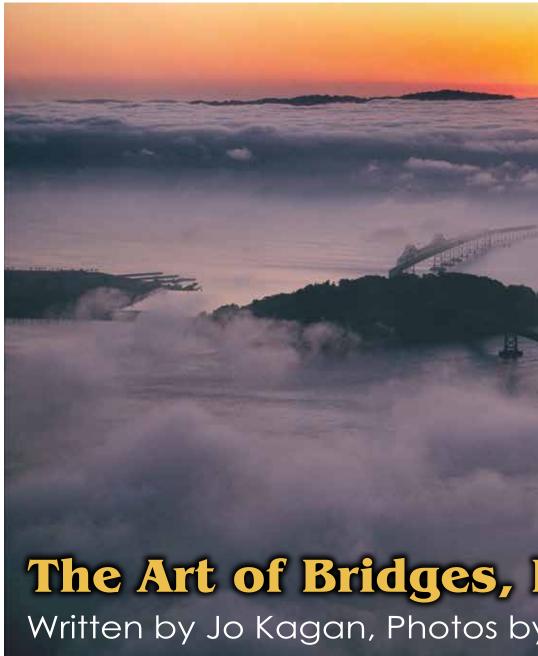
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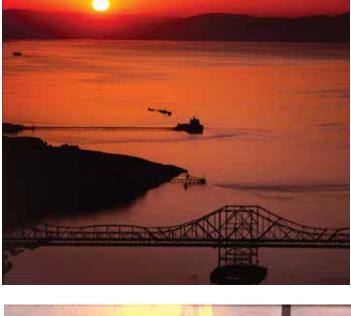
e cross them daily, and mostly take them for granted as utilitarian conveyances that get us from point A to point B. But seen from the air, the Bay Area's eight toll bridges become works of sculptural art that complement and accent the region's crowning scenic jewel, the San Francisco Bay.



As the Bay Area's dean of aerial photography, Barrie Rokeach has kept his lens trained on the region's iconic and lesser known bridges for more than three decades, revealing angles and aspects apparent to neither the motorists who cross them nor land-based observers. A pioneer in low-light aerial photography, Rokeach pilots the plane himself and

> prefers to capture the spans at dawn and late afternoon, when the bridges become etched in shadows, and cast dramatic shadows of their own on the water. Using his artist's eye—honed at U.C. Berkeley, where he earned a master's degree in design/ photography—Rokeach creates abstract art from the intersection of steel, concrete and water.







Rokeach literally wrote the book on this specialty area of photography, the Kodak Guide to Aerial Photography, and also has produced Timescapes: California From the Air, a coffee table book focusing on the state's dramatic geology. When he's not pursuing his fine art photography, Rokeach is producing images for a wide range of corporate and institutional clients. His images have appeared in top magazines, including Scientific American, National Geographic, Forbes, Fortune, Life, Money, Time and Sunset, as well as in dozens of books. His work has also graced several Bay Crossings covers including this issue.

Rokeach's images have been exhibited in numerous museums and galleries, including the Oakland Museum of California. Currently, an exhibit of his images, "Timescapes: California Aerial Images," is on display at the California Science Center in Exposition Park in Los Angeles (www.californiasciencecenter.org/Exhibits/SpecialExhibits/Timescapes/Timescapes.php).

Rokeach has been featured in over 20 articles in

the national press, most recently in *Rangefinder*, one of the premier professional photography publications (www.rangefindermag.com/storage/articles/RF1009_Rokeach_Skinner.pdf).

You can see more of Barrie Rokeach's work at **www. rokeachphoto.com**, and contact him in Berkeley at barrie@rokeachphoto.com or (510) 527-5376.



GREEN PAGES

Conference Hopes to

BY BILL PICTURE

s the use of biomass for the production of clean energy, cleaner-burning fuels and non-toxic chemicals has grown, so too has California's role in the biomass industry.

The Golden State is such a big player, in fact, that the organizers of the International Biomass Conference & Expo are hosting a smaller, regional conference in Sacramento this month (January 11-13), with content geared specifically toward biomass production and utilization in California and several other western states—Oregon, Washington, Nevada and Idaho.

"Over a thousand people showed up to the international show last year in Oregon, and we found out that almost half of those people had come from within a 100-mile radius," explains Tom Bryan, Vice President of Content for BBI International, host of the Pacific West Biomass Conference & Expo. "Based on that, along with the fact

that, historically, California has been a leader in biomass-derived electricity, we determined there was a need for a regional show, to bring a more localized perspective to the biomass issue."

What is biomass?

Biomass is any renewable raw material that can be used for the production of power, biofuels or a range of bio-based products, including environmentally friendly plastics. Those raw materials include waste from agricultural and industrial sources, including plant material and livestock waste, solid organic materials recovered from municipal sewage treatment and garbage and recycling facilities, and crops grown specifically for biomass production, such as corn and soybeans. In California, for instance, waste from rice fields that was once burned, including hulls, is now utilized in a variety of ways. California is the second largest rice-producing state in the country.

The goals of the Pacific West Biomass Conference are many, according to Bryan. First on the list is helping those businesses that are putting biomass



One of the highlights of the inaugural Pacific West Biomass Conference & Expo is a tour of Sacramento Area facilities putting biomass technology to work.

sources of feedstock. "What we refer locate potential sources of funding. to as the 'biomass industry' is really

materials to good use locate potential to ask important questions and "Generating leads is important, but we

There are 33 biomass power plants in California, and many are in financial distress because key production incentives and support mechanisms, such as the federal tax credit for renewable electricity production, are expiring soon.



Technikon Advanced Technologies, one of three stops on the industry tour, is an independent plant and laboratory space dedicated to accelerating the commercialization of its clients' renewable energy technologies.

several different industries utilizing the same feedstocks, so there's a lot of competition," says Bryan. "Even within those sub-industries, there's a competitive nature. The resources are finite, so they have to be managed well."

Finding ways to feed the growing demand for biomass materials, along with establishing sustainable means of collection, storage and transport, are among the topics being addressed over the course of the three-day conference, which features more than a dozen panel discussions organized into three tracks: electricity generation, industrial process heat and power, and biorefining.

For those businesses considering getting into the biomass game, the conference also affords the opportunity

also want to help build a knowledge base that will move the industry forward," says Tim Ports, program manager for the conferences. "The industry is facing a number of major challenges right now that we intend to address. By bringing those issues front and center, and having some of the key players at the table, like the California Energy Commission, academics and elected officials, we hope to start a productive dialogue."

Bumps ahead

"Now is a critical time," says Bryan. "For instance, there are 33 biomass power plants in California, and many are in financial distress because key production incentives and support mechanisms, such as the federal

GREEN PAGES

Ignite Biomass Industry

tax credit for renewable electricity production, are expiring soon."

"What also happens a lot is that the intended outcome of a newer piece of legislation conflicts with another piece of existing legislation, making it very challenging for folks who want to do business here," adds Port. "They often run up against regulations that are cumbersome, if not altogether prohibitive."

Irvine, California-based Blue Fire Ethanol, for instance, had planned to build several biorefineries in California, but eventually decided to build only one facility here after finding California's stringent permitting process to be a nearly impassable roadblock. "And we're hearing more and more of these stories about stumbling blocks," says Bryan. "But instead of looking at them as problems, we want attendees to see them as possibilities."

"I think we've done a good job of identifying the problems and creating a forum where participants can talk and basically hash it out, right there in front of our attendees," adds Port. "That's the first step toward arriving at some kind of a solution."

Hope for the future

Challenges aside, Bryan and Port have much hope for the future of biomass. Though the political and financial infrastructures required for full-scale biomass utilization are experiencing modest setbacks and uncertainty, ingenuity continues forward at full-speed.

As evidence of recent advancements, Port points to anaerobic digestion, technology that can convert decomposing organic materials, such as the manure from San Joaquin Valley's millionplus dairy cows, into usable clean energy. He also points to the growing of algae in laboratories to make biofuels. "California is leading the way in these areas," he says.

On the last day of the conference, attendees can tour nearby facilities that are already successfully putting these and other seemingly sci-fi technologies to work. Among those facilities is the Sacramento Regional Wastewater Treatment Facility, where methane from sewage is being converted into clean electricity—enough to power 5,000 homes.

"This is a feedstock that every densely populated area has at its disposal," Port explains. "It's a perfect example of turning a problem into an opportunity."

This month's conference is the first of three regional conferences being scheduled this year, with the next International Biomass Conference & Expotaking place in Minneapolis in May. The content for each of the regional conferences will identify biomass sources, as well as the opportunities and challenges specific to that host region.

"Our events tend to be business-to-business, attendeewise, but we also hope to draw in anyone with an interest in working within the industry," says Bryan. "We want everyone to walk away from our events feeling like they've learned something and advanced themselves at least one or two steps from where they were before."

Pacific West Biomass Conference & Expo

January 11-13, 2010 at the Hyatt Regency Sacramento, 1209 L Street, Sacramento.



An algae photo bioreactor is an apparatus used to cultivate algae that can then be harvested, dried and used to produce cleaner-burning biofuel.

For more information, visit www.pacificwest.biomassconference.com



With landfills filling up and little space available for new landfills, municipalities are looking at plasma gasification technology as a self-sustaining alternative to traditional garbage disposal techniques.



The Technikon facility, located in McClellan Park, utilizes four different biomass technologies, including plasma gasification, a process that breaks down solid waste into elemental gas, which is then converted into clean electricity.

Oakland Firefighters and the U.S. Coast Guard Make a Wish Come True

n December, a Coast Guard crew from Air Station San Francisco flew Luis Castillo, an 18-year-old living with cancer, around the San Francisco Bay in an MH-65 Dolphin helicopter. The ride was part of a wish that was made through the Oakland Firefighters Random Acts organization, a non-profit group that responds to requests from Oakland's Children's Hospital cancer patients in the oncology unit.

This charity program was created by dedicated firefighters from the City of Oakland metro fire department who know that they can make a difference in their community. As they respond into the homes of citizens, firefighters can truly observe the personal situations where people need a hand to live and succeed.

The Random Acts organization has a simple aim—to help fellow

firefighters give something extra back to the communities they live in and care for. With a board made up of diverse individuals of many ranks serving on a purely voluntary basis, they aim to fulfill the mission statement: "Creating a positive difference in the lives of Individuals through Random Acts of Kindness." Their motto—"No Egos, Badges or Resumes"—means simply that the program is for everyone in the department, and all they want is a commitment from the heart, not a reflection of ego, status or ambition.

The helicopter ride took Castillo over the Oakland Coliseum, Candlestick Park, the Golden Gate Bridge and other points of interest in the area. All photos accompanying this story are by Petty Officer 3rd Class Pamela J. Manns and appear courtesy of the U.S. Coast Guard.



Cmdr. Samuel Creech, commanding officer of Air Station San Francisco, helps Luis Castillo, a child living with cancer, put on a flight jacket given to him by the crew of the air station. Castillo flew in an MH-65 Dolphin helicopter as part of a request made through the Oakland Firefighters Random Acts organization.



The crew from Coast Guard Air Station San Francisco waves at an MH-65 Dolphin helicopter that flies by with Castillo on board.



Luis Castillo shakes the hand of Cmdr. Creech after flying in a Coast Guard MH-65 Dolphin helicopter.

ALAMEDA | OAKLAND FERRY



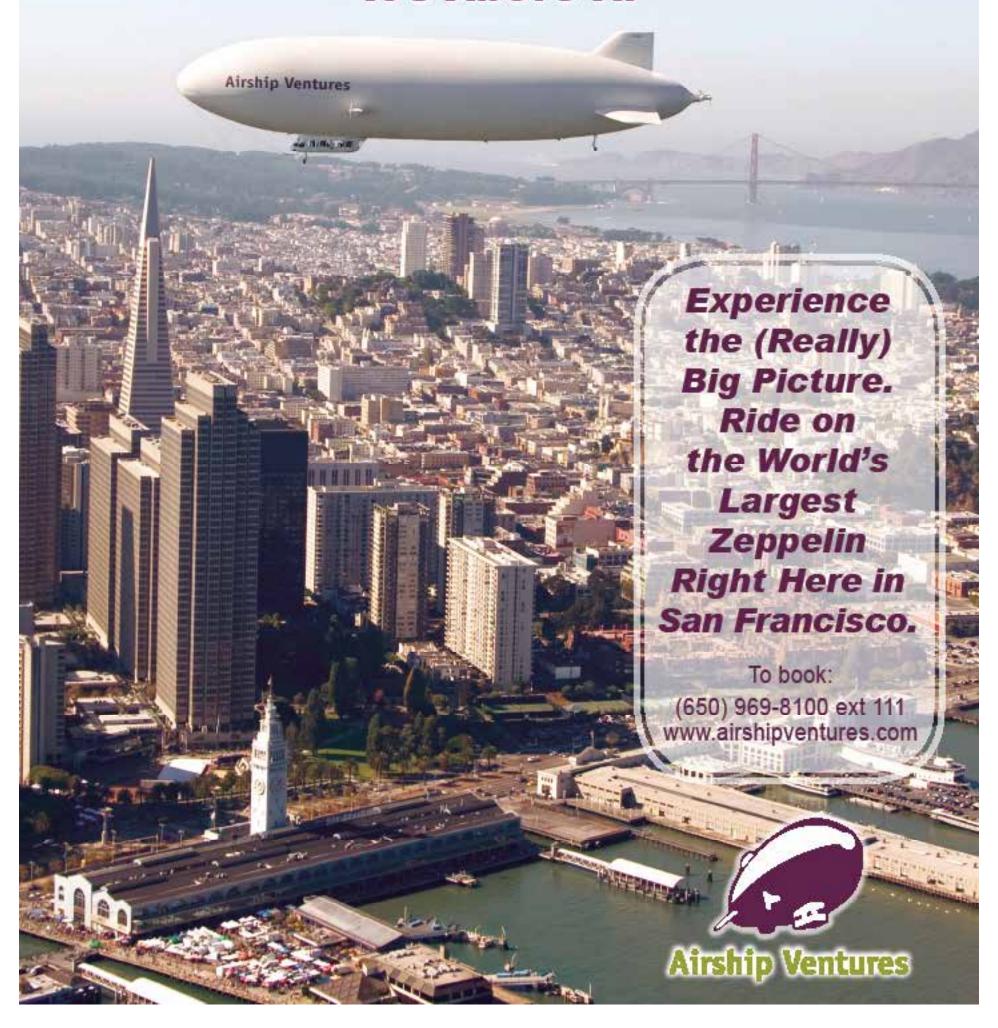
Whether you're commuting to work or enjoying a weekend outing with friends or family, the Alameda/Oakland Ferry is a great way to travel the bay.

service between Oakland's Jack London Square, Alameda Main Street, SF Ferry Building and SF Pier 41, Seasonal service to ATT&T Park for Giants game and Angel Island State Park



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GET THERE BY FER

Golden Gate Ferry

	LARKSPUR*						
Wee	ekdays (exclu	ding Holidays)			Weekends	and Holidays	
Depart Larkspur	Arrive S.F. Ferry Bldg.	Depart S.F. Ferry Bldg.	Arrive Larkspur	Depart Larkspur	Arrive S.F. Ferry Bldg.	Depart S.F. Ferry Bldg.	Arrive Larkspur
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* Direct ferry service is provided to most Giants games at AT&T Park. Special service is provided to various concerts and the Bay to Breakers Race. On weekdays, with the exception of the 5:20pm San Francisco departure which uses a 715 passenger Spaulding vessel, all other trips use high-speed catamarans. Weekend service is provided by a 715 passenger Spaulding vessel. #To San Francisco via Sausalito

SAUSALITO								
We	eekdays (excl	uding Holiday	s)		Weekends and Holidays			
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Holiday service is in effect on Martin Luther King, Jr. Day, Presidents Day, Memorial Day, Independence Day, Labor Day, and the day after Thanksgiving Day (Sausalito). The Larkspur line operates on a Modified Holiday Schedule on the day after Thanksgiving Day.

No ferry service on New Year's Day Thanksgiving Day, and Christmas Day

12:00 p.m.

1:45

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8:25

^ Departs immediately after loading

For the most current schedule, visit http://www.eastbayferry.com/

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* To S.F. via Oakland # To Alameda via Oakland

Schedule information collected from

http://www.eastbayferry.com

Bay Area Ferry Terminal Locations

Alameda Ferry Terminal

2990 Main St. in Alameda

Harbor Bay Ferry Terminal

2 MeCartney Drive in Alameda

Larkspur Landing Ferry Terminal

101 E. Sir Francis Drake Blvd., just east of U.S. Highway 101 in Larkspur, CA

Oakland Ferry Terminal

530 Water St @ Jack London Square in Oakland

Sausalito Ferry Terminal

Humbolt St. & Anchor Ave. in downtown Sausalito

Tiburon Ferry Terminal

Behind Guaymus Restaurant & the Intersection of Tiburon Blvd. & Main St. in Tiburon

Vallejo Ferry Terminal 289 Mare Island Way in Vallejo Sponsored by

WATER EMERGENCY TRANSPORTATION AUTHORITY WETA



Blue & Gold Ferry

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10:15 a.m.	10:30	10:50^	11:00^	Year's Day, and Presidents Day.			

12:45 p.m.^ Regular weekday service on Martin Luther King Jr. Day

	FARES:	One Way	Round Trip	10 Ticket Book	20 Ticket Book	Monthly Pass
	Adult (13+) Junior (5-12)	\$6.25 \$3.50	\$12.50 \$7.00	\$50.00	\$90.00	\$170.00
ı	Child under 5* Senior (65+)* Disabled Persons	\$3.75 \$3.75	\$7.50 \$7.50	PURCHASE TICKETS ONBOARD THE FERRY or at the Regional Transit		

Active Military \$5.00 \$10.00 Connection (RTC) at participating Seniors must show valid I.D., Regional Transit Connection Discount or Medicare Card. Disabled Persons must show a Regional Transit Connection Discount Regional Transit Connection Discount Card. Children under 5 ride free when accompanied by an adult. Active Military Personnel must show military I.D. Fares subject to change. All times are estimates. Bay Area businesses. Please call the 24-hour Ferry Fone at (510) 522-3300 to confirm times.

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For the most cu Bay Cruise doe	* Does not operate after Sept. 7 For the most current schedule, visit www.blueandgoldfleet.com Bay Cruise does not operate during inclement weather. Additional cruises may be added on demand. Check with ticket booth on day of sailing for schedule. No reserved seating available.			2:45	3:35	3:40 8:00	4:00 8:20
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	, ,	Departures Pie		No service on Thanksgiving Day, Christmas Day, and New Year's Day / Weekend Schedule on Presidents Day			
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* All prices include State Park Fees / Weekend Schedule on Memorial Day (May 25) / Independence Day (July 4) and Labor Day (Sept 7)					7:45	8:20	

TIBURON COMMUTE

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* Fridays only	 Via Sausalito visit www.blueandgoldfleet.com
TIBU	RON Weekends and Holidays

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12:30pm	12:55pm	1:05pm	1:50	
2:00	2:25	2:30	3:15	
3:20	4:05	4:10	4:55	
FARES:	One-	way	Round trip	
Adult	\$9.50		\$19.00	
Child (5-11)	\$5.25		\$10.50	

Baylink Ferry

VALLEJO VALLEJO - SAN FRANCISCO

Weekdays					
Depart Vallejo to S.F Ferry Building	Depart S.F. Ferry Bldg. to Vallejo	Depart Pier 41 Fisherman's Whar to Vallejo			
5:30 a.m.	6:35 a.m.				
6:30	7:35				
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2:00 p.m.	3:30	3:10 p.m.			
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4:45	6:00				
5:35	7:05	6:45			
W/s shows do so all lated according					

Weekends and Holidays

10:00	11:10	11:30
11:30	12:40 p.m.	
1:00 p.m.	2:10	
3:30	5:00	4:40 p.m.
6:30	8:00	7:40

FARES:	One-way
Adult (13-64)	\$13.00
Senior (65+)/Disabled/Medicare	\$6.50
Child (6-12)	\$6.50
Baylink DayPass	\$24.00
Baylink Monthly Pass (Bus / Ferry)	\$290.00
w/Muni	\$330.00

Call (707) 64-FERRY or visit www.baylinkferry.com for updated

Travel time between Vallejo and San Francisco is approximately 60 minutes.

Red & White

BAY CRUISE

Pier 431/2				
Monday through Sunday				
10:00 a.m.	1:45 p.m.			
10:45 *	2:30			
11:15	3:00			
12:00 p.m.	3:45			
1:15	4:15 *			

FARES: Adult (18+) \$22.00 Youth (5-17) \$16.00 Child (under 5)Free Family Pass \$69.00

* Weekends Only

Harbor Bay Ferry

EAST END OF ALAMEDA/S.F.

Depart Harbor Bay Island	Arrive S.F. Ferry Bldg.	Depart S.F. Ferry Bldg.	Arrive Harbor Bay Island
6:30 a.m.	6:55 a.m.	7:00 a.m.	7:25 a.m.
7:30	7:55	8:00	8:25
8:30	8:55	4:35 p.m.	5:00 p.m. 6:00 7:00
	4:30 p.m.	5:35	
5:05 p.m.	5:30 6:30	6:35	
6:05		7:35	8:00
7:05	7:30		

No weekend service

FARES:

Alameda Harbor Bay Ferry passengers can purchase Ferry tickets, passes and books on board the ferries. Alameda Harbor Bay Ferry accepts cash, checks, Visa, Mastercard and Commuter Checks as payment for ferry tickets.

	raie.			
	One-way Adult	\$6.50		
	One-way Juniors (5-12)	\$3.25		
	Children (under 5)	Free		
	One-way Seniors (62 & over)	\$3.75		
	Disabled	\$3.75		
	Active Military	\$5.25		
	One-way Commute (book of 10)	\$55.00		
	One-way Commute (book of 20)	\$100.00		
	Monthly Pass (book of 40)	\$185.00		
Free MUNI and AC Transit Transfers Provided				

Angel Island Ferry

TIBURON - ANGEL ISLAND

Monday through Friday ferry service is by advance reservation for groups of 25 or more. Individuals may "piggyback" with scheduled groups. Visit www.angelislandferry.com for more information.

	Weekends								
l	10:00 a.m.	11:00	1:0	0 p.m.	3:00				
Į	10:20 a.m.	11:20	1:2	0 p.m.	3:30				
	FARES:			Round T	rip	(*Limit one			
ı	Adult (13 and over) Child (6 - 12) Children (3 - 5)			\$13.50		free child,			
ı				\$11.50		ages 2			
ı				\$3.50		and under,			
ı	Toddlers (ages 2 and under)		Free*		per paying				
ı	Bicvcles			\$1.00		adult)			

For the most current schedule and other information, visit http://www.angelislandferry.com/

Schedule Subject to change w/o notice

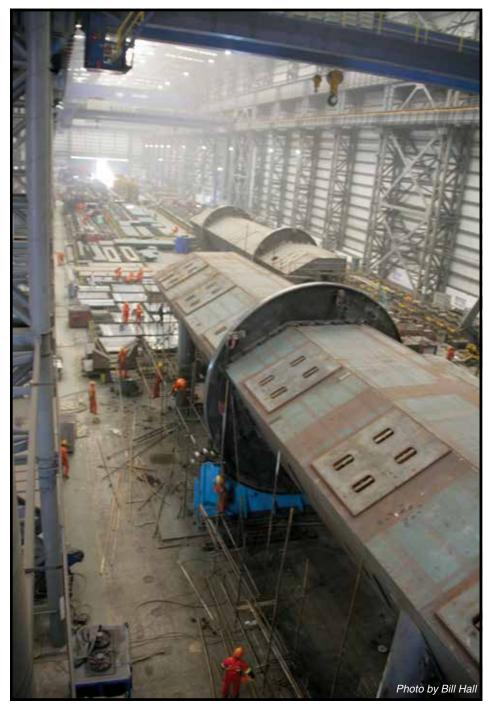


Bay Bridge Project Rings in New Year With Good News

BY JOHN GOODWIN

he coming of the New Year brings a boatload of good news for the Bay Bridge East Span replacement project. The first steel bridge deck sections for the signature self-anchored suspension (SAS) portion of the new bridge have now been loaded aboard a ship in China, with the vessel scheduled to begin its month-long voyage across the Pacific before Bay Area revelers start singing "Auld Lang Syne."

"Team China is firing on all



Segments of the iconic tower for the self-anchored suspension bridge are fabricated in a giant hangar-like building at the ZPMC facility near Shanghai.

cylinders," said Ken Terpstra, Caltrans' project manager for the Bay Bridge East Span replacement project, as he reflected on the fabrication of steel components for the SAS. Acknowledging that the first shipment is leaving China more than a year behind the original schedule, Terpstra explained the enormity and intricacy of the SAS project — which presented complex design and fabrication challenges — and the exacting quality standards established for the finished pieces. "The standards for bridges are higher than for virtually any other type of steel structure."

Based at the sprawling Shanghai Zhenhua Heavy Industry Co. (ZPMC) complex on Changxing Island in the Yangtze River near Shanghai, Team China includes more than 2,000 local welders, grinders, carpenters, sweepers, safety monitors, forklift drivers, foremen, data-entry clerks and others. The team also includes scores of workers from the prime contractor on the SAS project, a joint venture known as ABF formed by American Bridge Co. and Fluor Corp., plus dozens of Caltrans staff members, quality inspectors from Upland, Calif.-based Caltrop Corp., and various stateside construction management specialists, designers and consultants.

While American fabrication plants account for the bulk of the steel to be used in the new East Span, the effort to complete the entire bridge is a truly global enterprise. Major components are being designed or manufactured in 11 U.S. states and seven different countries, including Canada, Japan, Norway, South Korea, Taiwan and the United Kingdom as well as China. Bay Area fabrication sites include Antioch, Campbell, Fairfield, Livermore, Napa, San Francisco and Vallejo.

At the ZPMC facility on Changxing Island, the fabrication takes place in more than a dozen blue steel warehouses. Typically measuring 360 meters by 60 meters, the hangar-like "fabrication

bays" are dedicated to particular elements of the SAS project. Some bays are used solely to assemble pieces of the iconic 525-foot-tall tower. Other bays focus on welding steel plates atop support sections known as U-ribs to create segments of the span's road deck. And there are OBG bays, where a total of 86 gigantic box girders that will form the bridge superstructure are put together, forming 28 separate segments of between two and five box girders each.



"There's a documentation process, known as 'green tagging' in place," explained Bay Area Toll Authority consultant Ted Hall, noting that inspectors literally are affixing green decals to pieces of steel to certify their compliance with contract specifications and quality standards. "The green tagging process ensures that all welds have been completed in accordance with the contract specifications, and it enables us to provide documentation for the completion of all welds. Documentation also provides an important record for future bridge maintenance requirements."

The green tagging process is more than a bit reminiscent of prenatal care. Just as medical technicians use ultrasound to probe fetal health and development, welding technicians employ Phased Array Ultrasound Technology (PAUT) to probe the quality of welds. And the tools are nearly identical, right down to the bottle of viscous conducting goo and stethoscope-like monitoring instruments.

"It's no mean feat to convert plates



Taking measurements inside one of the tower segments.

of steel into the intricate components

that will make up the SAS," commented

Terpstra. "But our team is doing it

right and we're doing it faster all the time. Once that first ship arrives in the Bay around late January, the next should be just a couple months behind. As the first steel deck and tower sections are lifted into place, 2010 will be the year the new bridge really starts taking shape."

John Goodwin is a Public Information Officer

for the Metropolitan Transportation Commission and the Bay Area Toll Authority.



ZPMC workers pedal past an orthotropic box girder section that will form part of the bridge superstructure.



With the first legs of the SAS tower looming in the background, a trio of Team China members stands dockside beside an orthotropic box girder segment ready for shipment.



A giant barge-mounted crane prepares to lift a section of the new bridge onto the ship for transport to San Francisco Bay.

AROUND THE BAY IN JANUARY

"Dine About Town...Only in San Francisco" Returns

The San Francisco Convention & Visitors Bureau's popular "Dine About Town San Francisco" restaurant promotion provides food and wine enthusiasts with an incentive to experience many of San Francisco's finest restaurants at a fraction of the price. The promotion takes place over two weeks, from January 15 through 31, offering participants a two-course lunch menu for \$17.95 and/or a three-course dinner menu for \$34.95. The Dine About Town 2010 launch party, which is open to the public, takes place January 13 at 6 p.m. under the dome at Westfield San Francisco Centre. With a \$20 donation to Meals on Wheels, guests may sample offerings and meet the chefs from a variety of participating Dine About Town restaurants. Reservations for both the launch party and Dine About Town may be made at www.onlyinsanfrancisco.com/ **dineabouttown**, where you can also find the complete restaurant list.

Anniversary of the Sea Lions' Arrival

PIER 39 commemorates the 20th anniversary of the sea lions' arrival at PIER 39. Through the years, California sea lions have taken over PIER 39's K-Dock to the delight of spectators. Each January, these marine mammals return in droves for herring season in San Francisco Bay. In celebration of the anniversary, on Friday, January 15 from 10 a.m. to 5 p.m., visitors can watch the sea lions in close proximity, talk with knowledgeable Marine Mammal Center docents about

these amazing animals, and stop by the Whale Bus for a complete educational experience. PIER 39 invites visitors to see for themselves why K-dock in PIER 39's West Marina has been declared a "Watchable Wildlife" viewing area by the California Watchable Wildlife Project.

Two New Shows Announced at SFMOMA

The SFMOMA Artists Gallery announced two new shows for January 2010. Artists John Yoyogi Fortes, Jessalyn Haggenjos and Mike Narciso present their

most recent work in individual one-person shows in the main gallery. The art of John Yoyogi Fortes reads like a subconscious amalgam of popular imagery and street art, exuding the same energy as graffiti or political murals that are created quickly and surreptitiously. In a series of work about the world's most formidable land formations—Utah's Lake Powell, the continental lithosphere, Alaska's Matanuska Glacier—Jessalyn Haggenjos lets opaque, viscose enamel paint mimic the movements of magma and silt, permitting the paint to move along its own course while Mike Narciso shows a photo series that looks at details of an abandoned place, the Mare Island Shipyard in Vallejo, and discovers a plethora of formal possibilities. Upstairs in the gallery's loft space, artists show work on the theme of human rights in the "Tip of the Blade" exhibition. Both shows run from January 7 through 29 and are celebrated with a reception for the artists on Thursday, January 7 from 5:30 to 7:30 p.m. Gallery hours are 11:30 a.m. to 5:30 p.m. Tuesday through Saturday. The SFMOMA Artists

> Gallery is located in Building A at Fort Mason Center. Admission to gallery exhibitions is free of charge. Visit the website at www.sfmoma. org/artists_gallery or call (415) 441-4777 for more information.



Napa Valley College Repertory Theater will hold auditions for their summer production of The Taming of the Shrew on January 3 at 2 p.m. and January 4 at 6 p.m. at the Napa Valley College Theater. Those auditioning must be over 18 years of age and should prepare a Shakespearean monologue and

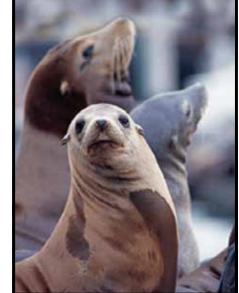
contrasting contemporary monologue (maximum three minutes). The Taming of Shrew will be directed by Napa Valley College Artistic Director Jennifer King. Her teaching and directing credits include work at the California Shakespeare Theater, where she is an Associate Artist, Dallas Theater Center, the Dallas Institute of Humanities and Culture, Sonoma County Repertory Theater, Napa Valley College, Richland College, Foothill College, Solano College and the University of California, Davis. To schedule an audition appointment, please call (707) 253-3209. The Napa Valley College Theater is located in building 1200 on the college campus, 2277 Napa-Vallejo Highway, Napa.

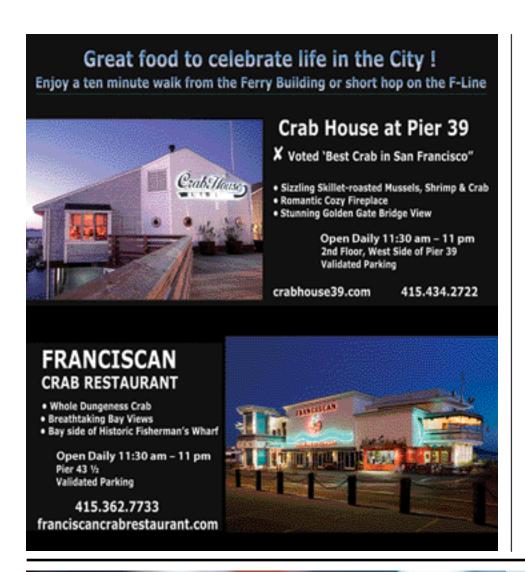


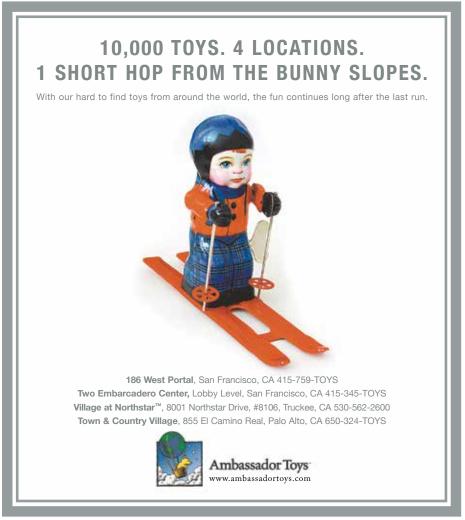
The U.S. Environmental Protection Agency is sponsoring a video contest that challenges filmmakers and students to produce short, creative videos that highlight the "Three R's" of individual consumption: reduce, reuse, recycle. The EPA expects to award cash prizes up to \$2,500 and will be accepting video submissions through February 16. The competition "Our Planet, Our Stuff, Our Choice" calls for short, creative videos that examine consumption and recycling and offer community-based solutions. Entries should be 30-60 seconds in length and promote steps individuals and organizations can take to minimize negative environmental impacts within their communities on the topics of reducing and reusing, recycling, composting and consumption and its effect on environmental footprint. The winning submissions will be announced in April in time for the 40th anniversary of Earth Day. Awards will be given to the top three videos as well as a special "Student Winner" category exclusively for submissions by persons 13 to 18 years old at the time of entry. For more information on how to enter, visit http://bit.ly/5Vh1Gw

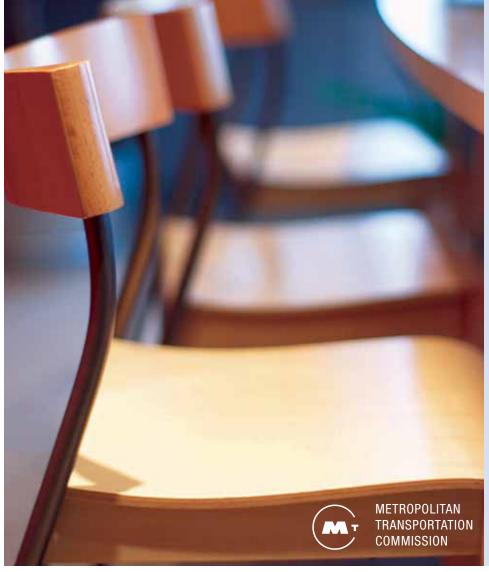
Get in Shape for the New Year With Dog Boot Camp

Beginning in January 2010, Wag Hotels will offer Thank Dog! Boot Camp, a fast-paced way for dogs and guardians to get into shape. Thank Dog! is a fitness program that combines discipline and a strenuous physical workout for people, together with basic obedience training for dogs with your dog as your workout partner. Thank Dog! offers a creative and challenging fitness program for their human and canine clients. Thank Dog! Bootcamp offers a fun way to slim down, get healthy, and spend time with your dog. Each hour-long class is structured to provide cardiovascular training, obedience training and strength training for guardian and dog. Classes will be taught from 6 - 7 a.m. on location at Wag Hotels in San Francisco and at designated local outdoor spaces. Dogs remain on leash throughout the class, and are taught to listen and obey their guardian's commands. Guardians receive an intense boot camp-style workout from their personal trainer while getting tips and instruction on obedience training from the dog trainer. The program is designed for people and dogs at all physical and behavioral levels. Dogs and guardians attend a mandatory consultation and obedience lesson before entering the program. Dogs are evaluated for temperament, and their guardians are assessed and provided with realistic goals and expectations for their fitness regimen. Boot camp classes will be offered in San Francisco at 25 14th Street. Reservations are currently being accepted. To sign up, call (888) 364-4256 or visit www.thankdogbootcamp.com.









Take a Seat at the Transportation Policy Table

Are you interested in transportation, development issues, the environment and climate action? If so, there may be a seat for you on a **new Policy Advisory Council** for the Metropolitan Transportation Commission (MTC), a governmental agency overseeing transportation planning, financing and coordination in the nine-county San Francisco Bay Area.

We're **seeking 27 advisers** from a diverse range of fields and interests:

- 9 members will represent economic and environmental perspectives;
- 9 members will represent communities of color, issues affecting low-income communities or environmental justice;
- 9 members will represent the interests of seniors or persons with disabilities.

Experience in working on public policy issues or community-related issues is desirable. Committee members are expected to **attend monthly meetings** held on Wednesday afternoons at MTC's offices in Oakland, and to serve a two-year term. While positions are voluntary, committee members will **receive a stipend** for their attendance at certain meetings.

The application deadline is **February 1, 2010.**

For eligibility and committee information and an online or printable application, go to: www.mtc.ca.gov/get_involved/advisory/

For assistance, e-mail info@mtc.ca.gov or call 510.817.5757.

Ferry Maintenance Center San Francisco Bay





New 1200 Ton Syncrolift* • 2800 Ton Drydock

Contact: Mike Anderson

Phone: 510-337-9122 • E-mail: manderson@bay-ship.com