

Bay Lines

MARINE
SCIENCE
INSTITUTE

500 Discovery Parkway
Redwood City, CA 94063-4715



Winter
04-05

www.sfbaymsi.org

Meet MSI's New Board

This fall MSI welcomed four new members to our Board of Trustees.

Medea Isphording Bern is a native Floridian who grew up exploring the beach on foot



and the Florida Keys underwater. Her love of the sea and commitment to its preservation continues with her appointment to the MSI Board. "If we can reach children early and show them the wonders beneath the surface of the water, we will have another generation of passionate conservationists to continue our stewardship." Medea and her husband, Bruce, and two boys, Max and Dylan, sail the Bay and visit any beach as often as they can!

Arthur Burton is a marine biologist and received his academic training at Stanford University. Art founded the Sequoia Laboratory Network in Redwood City in 1977, which performs water, soil and air analysis. The network grew from eight analysts in one location to over 600 analysts in



25 locations throughout the U.S. over the last 27 years. Art sold the network in 2004 and joined the MSI Board of Trustees in September. Art is excited to lend his marine biology expertise to MSI's benefit.

Denise Malmquist-Little has been a teacher for 37 years. She brings a background in curriculum development, assessment and evaluation, emergency preparedness and response, and a hearty work ethic to the Board. "I am looking forward to my time on the MSI Board. I know that MSI will be growing by leaps and bounds, and I look forward to an experience enriching both to MSI and for myself. Every day at MSI is a good day!"



Jackelyn Lundy is Associate Director at Hidden Villa in Los Altos Hills. She has a PhD from UC Santa Cruz in Socioeconomic Development Studies. MSI is excited to have Jackelyn's expertise on green building designs as we look to build in the future.



Translating the Tides

CREATING TIDE POOLS

Creating tide pools,
Smashing into the sand,
With an explosion of salty spray,
Tides.
Responding to the call of the moon,
Bringing new life to the beach,
And carrying out the old.
Tsunamis,
High tide,
Low tide,
Erosion,
They are all a part of the tides,
All the creatures of the sea,
And all the people of the sea,
Depend on the tides.
Night or day,
Warm or cool,
Dragging kelp or coral to the shore,
Pounding sea glass foggy and smooth,
Lifting in response to the moon,
Tides have pounded the beaches,
Slammed onto the shore,
Long before humans ever rubbed stones together,
Stones that are ages old,
Stones that have been in the sea in a different lifetime,
Tides have been creating the coastline,
Long before humans rubbed stones to make fire.
The pulse of the sea,
Eternal.
Life.
Tides.
Tides are the bloodflow of the ocean.
Tides are life.

-Maya Desai
5th grade
First Place Poem

Congratulations Maya!

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Antioch Adventures

Have you been to the Marine Science Institute lately? If so, you may have asked yourself, "Where is the Robert G. Brownlee?"

Get in your car, take a drive up to the Delta and you will find the Brownlee with MSI instructors teaching in an environment much different from the South San Francisco Bay. Being primarily a fresh water ecosystem, the Delta gives MSI instructors new topics to teach about and new animals and plants to see.

For three years now, MSI has taken its Discovery Voyage program up to Antioch during the months of January and February. Sitting on the mouth of the Sacramento/San Joaquin River Delta, the Delta Discovery Voyages allow the Marine Science Institute to lead the effort on a very important issue for much of California – the issue of water management, stewardship and conservation.

The Sacramento/San Joaquin River Delta's watershed covers 40% of the state, meaning that almost half of California's water passes through this very important area. What's more, 2/3 of all Californians get at least some of their drinking water from the Delta! This places a huge responsibility on the people who live around the Delta to keep the water clean and conserve this valuable, limited resource.

With generous sponsorship support by the Contra Costa Water District, Delta Diablo Sanitation District, Central Contra Costa Sanitation District, Mt. View Sanitation District, Mt. Diablo Unified School District, Leshner Foundation and Dow Chemical, the Marine Science Institute is working to heighten awareness about the importance of the Delta. Each year, approximately 5,000 students go through our program, meaning that by the end of this year almost 15,000 students, parents and teachers will have a better understanding of how they can be a better steward towards the Delta and help all of California drink safer, clearer and more plentiful water.



Meet the Staff

Mindy Hiatt—Instructor

Mindy has been with MSI for two and a half years and is a native of the San Francisco peninsula. Growing up near the ocean and bay, along with a high school marine biology class, perked Mindy's interest in the subject. She teaches land & ship programs and is an instructor for summer Marine Camp. Mindy loves hanging out with the kids at MSI and seeing things from their perspective. In her free time, she enjoys watching movies, reading, drawing and just playing!



Krista Elledge—Instructor

Krista grew up in Sunnyvale and majored in Aquatic Biology at UCSB before coming to MSI two years ago. Krista started out as a Marine Camp Counselor and now teaches land programs, summer camp and ship programs. She had an "awesome" high school teacher who really peaked her interest in the subject. In her free time, Krista enjoys hiking, biking, reading and traveling, and would like to eventually SCUBA dive all over the world.



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Marine Camp 2005

Marine Camp Registration begins February 1st for MSI members and February 8th for non-members. Marine Camp offers children kindergarten through high school the chance to explore the wonders and diversity of the San Francisco Bay Estuary and Pacific Coastline. Marine Camp has grown tremendously over the years and we are excited to have our best summer yet in 2005! We look forward to seeing lots of budding young marine biologists this summer.

MSI Earth Day Celebration

Earth Day is the day people all over the world come together and celebrate our common Earth heritage and renew our promise to be stewards of the environment.

It's also a day when you can bring your family to the Marine Science Institute and celebrate the San Francisco Bay, Pacific Ocean and everything marine science. While Earth Day is officially being celebrated on April 22nd this year, the Marine Science Institute is hosting its Earth Day Shebang on **Saturday, April 16th**. And this year's celebration is promising to be the best one yet! (More information will be posted soon!)

As always there will be Discovery Voyages open to the public, an arts and crafts table, fish and shark feedings, interpretive tables, games and fun for the whole family. We are also really excited to announce that the

Banana Slug String Band will be performing a set of their award-winning educational and F-U-N music! The Banana Slug String Band



Banana Slug String Band for info: 888 327-5847

integrates music, poetry, drama, and movement with hands-on science – and is always a big hit for the young and the young at heart.

2004 Sponsor Members

MSI would like to thank all of its members for their generous support of our programs over the past year. We would like to extend a special thanks to all of our members who donated \$100 or more last year to sponsor a class of students to take part in one of our programs.

\$100 Sponsors

The Birdwell Family
Paul Coney & Kinley Karlsen
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The Koenig Family
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Susan Thomas
+28 Member Families who wish to remain anonymous

\$300 Sponsors

Anne Barrows
+ 3 Member Families who wish to remain anonymous

\$600 Sponsors

Elizabeth & Zachary W. Hulsey
+ 1 Member who wishes to remain anonymous

\$1,200 Sponsors

2 Member Families who wish to remain anonymous

Thanks again MSI Members for a wonderful 2004—we look forward to another great year in 2005!

Bay Lines is produced by
Kathy Schrenk & Tyler Hammer

W i n t e r E v e n t s

HAPPY NEW YEAR! NOW THAT THE HOLIDAYS ARE OVER SPEND SOME TIME WITH THE MARINE SCIENCE INSTITUTE. WE HAVE A GREAT LINE-UP OF EVENTS AND HOPE TO SEE YOUR FAMILY SOON. REMEMBER: YOU NOW MUST RESERVE YOUR SPOTS FOR EVENTS ONLINE ON OUR WEBSITE WWW.SFBAYMSI.ORG. IF YOU HAVE ANY QUESTIONS, CONTACT TYLER AT 650-364-2760, EXT. 16 OR BY EMAIL AT TYLER@SFBAYMSI.ORG.

SEASIDE STORY HOUR: SEASTARS Saturday, Jan. 15 11 ~ noon

Join an MSI naturalist for tales of the rocky shore habitat and some incredible echinoderms. This event will feature live bat, leather and ochre seastars from our aquarium! This FREE event is held on the third Saturday of every month (except December) at the Redwood City Library's Main Branch on 1044 Middlefield Road in downtown Redwood City.

SHARK DAY!!! Saturday, January 29 1 ~ 3 pm (FULL—WAITLISTED)

Sharks, sharks, sharks – it's everything SHARKS at MSI on Shark Day! So how many species of sharks live in the Bay, and are sharks *really extra-sensory*? Find out and bring the family for an afternoon of fun and education at the Marine Science Institute. MSI naturalists will be on hand to share their knowledge with you. Activities will include: dah-da...dah-da...dah-da, dah-da LIVE sharks feedings, an arts and crafts table, a touching tank, and an informative interpretive table. Online Registration Required. Cost: \$5/person.

SEASIDE STORY HOUR — BAY FISH Saturday, February 19 11~noon

Join an MSI naturalist for stories about fish found in the San Francisco Bay. This FREE event is held on the third Saturday of every month (except December) at the Redwood City Library's Main Branch on 1044 Middlefield Road in downtown Redwood City.

FINDING NEMO MOVIE AFTERNOON Sunday, February 27 3—5pm

So what does Nemo's house (an anemone) look like in real life? Tired of watching the movie on a boring old television set? Come spend an afternoon with MSI and treat your family to a screening of *Finding Nemo* on our gigantic 20ft. projection screen in the Marine Science Center. Experience the film like never before as we will be looking at and talking about some of the fish and invertebrates in our aquarium just before the movie. Bring pillows or other comfy things to sit on for the floor if you like. We will provide snacks and drinks. Online Registration Required. Cost: \$5/person.

CANOES IN SLOUGHS – PALO ALTO BAYLANDS Sat. March 12 10am-3pm

Spend a day with Save the Bay and MSI naturalists and discover one of San Francisco Bay's hidden gems. Paddle through the salt marsh at the Palo Alto Baylands – a prime habitat for many of the bay's birds. Enjoy a day on the bay exploring the plants, wildlife and calm waters of the Baylands. No prior experience is necessary. Must be at least 10 years old (or in 5th grade) to attend. Online Registration Required, space is limited. Cost: \$25/person.

SEASIDE STORY HOUR — MOLLUSKS Saturday, March 19 11~noon

Join an MSI naturalist for tales of clams, mussels and snails. This FREE event is held on the third Saturday of every month (except December) at the Redwood City Library's Main Branch on 1044 Middlefield Road in downtown Redwood City.