

# THE LITTORAL DRIFT

## NEWSLETTER OF THE FLORIDA MARINE SCIENCE EDUCATORS ASSOCIATION

WINTER 2007

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### EDITOR'S NOTE

Submissions are always welcome! Please email items to [diederick@si.edu](mailto:diederick@si.edu).

### CAPTAIN'S LOG - Debbi Berger

Greetings, fellow marine educators! It is truly difficult to believe that the school year is more than half completed as I draft this letter. With winter upon us now, my thoughts have turned to spring, which then leads me to ponder the possibilities that summer holds, and I drift toward thoughts of the fall... Time has a way of rushing past, and I am continuously reminded of the wonder that Florida holds no matter what the season. The winter is truly a gift to bird-watchers, as they seek out the majestic white pelicans that visit Florida each year (along with many of their avian relatives). Manatee enthusiasts rush to the various springs and warm water gathering spots that host their beloved aquatic mammals annually. The lower tides reveal additional Florida treasures that may be hidden in the spring and summer months. Each season has its magic, despite those who might joke that Florida has two seasons: wet and dry. While that may hold some truth, those of us who live in this state understand that a closer look does reveal four distinct seasons.

I hope to see many of you in Naples this April for FMSEA's annual conference. In this issue, you'll find

all the information you need to register for this exciting gathering. Naples is truly a phenomenal meeting place for those of us who gravitate toward marine science, and its proximity to the Everglades enhances the exploration of all things aquatic. We have some exciting field trips planned in addition to concurrent sessions and dynamic speakers.

In this issue, you will also find information about the upcoming FMSEA Board elections. I am pleased to pass the gavel to President-Elect Jim Wharton come April, and there are several other Board positions to consider. Voting will conclude at our April conference, and the new Board will be presented on Saturday, April 28<sup>th</sup>. If you would like to become more involved with FMSEA, please consider running for a Board seat! It's a great way to help ensure that marine science education remains a top priority in Florida.

As the seasons come and go, the changes unveil new possibilities for outdoor adventures. Remember... *Just Do It.*

Best wishes for continued success!

## NMEA NEWS - Jim Wharton

### Maine is for Lovers...of Marine Science

Wait...maybe that's Virginia? No matter! **NMEA 2007 in Portland, Maine** is going to be a tremendous conference. July 23-28 may seem far off, but the time for planning is now! Keynote speakers already confirmed include Linda Greenlaw and Olympic Gold Medalist-turned Clean Ocean activist Joan Benoit-Samuelsen. The call for presenters has sounded. Proposals are due March 1<sup>st</sup>. Right now registration looks like it will land between \$350-400. Lodging options are available from \$55-\$85/night for a dorm room and \$139/night at the

nearby Eastland Park Hotel—a great historic building with modern amenities. To give you a hand ballparking it, airfare to Portland is running ~\$240 out of Orlando or Tampa and ~\$250 out of Miami. Keep updated on registration and field trip options by visiting the conference web site, reachable through the NMEA site at [www.marine-ed.org](http://www.marine-ed.org).

You can read the latest edition of *NMEA News* online at: <http://www.marine-ed.org/nmeanews.pdf>.

## FROM THE FMSEA BOARD ROOM - Jeremy Lake

The Board started the New Year off right with its first meeting of 2007 on January 13<sup>th</sup> at the Orlando Science Center in downtown Orlando. At the meeting, a variety of discussions took place with several new initiatives moving forward.

FMSEA will now be more active with the State Science Fair Competition than in the past. Several members will be on hand to help judge the student projects. Two FMSEA awards will be given, one to each of the divisions, to the projects that best represent the mission and goals of our organization. Each award will be a \$300 prize. This year's State Science Fair will be held April 11-13 at Florida Gulf Coast University in Fort Myers. If you are able, be sure

to get out there and help support the next generation of marine and aquatic scientists and educators at this competition.

The new FMSEA brochure that made its debut at the past FAST Conference in Gainesville was also a hot topic. The tri-fold brochure was distributed widely and will be updated for a second printing in the coming months. If you need a supply to pass out for member recruitment, please contact your Regional Director and they can provide you with some after the reprinting.

The Annual Conference in Naples was the focus of the meeting and quite a few things were hashed out and finalized. The Board and the

Conference planning committees have been working diligently to provide for an exceptional experience and look forward to seeing everyone in April. Look for the registration forms and more conference details in this Drift and on the website at [www.fmsea.org](http://www.fmsea.org).

On a final note, if you are interested in getting more involved in FMSEA, the Board Meetings are a great place to start! Meetings are open to **all members** and your participation is not only welcomed but *encouraged!* The next meeting will be held on the heels of the April conference, so if you'll be in Naples why not stick around just a bit longer? Contact any Board member for more details.

### LOST AT SEA

BY JIM WHARTON



## Scholarships

are available for educators wishing to attend the Annual Conference. Contact Kathy Russell at [krussty1@aol.com](mailto:krussty1@aol.com) for more details.

# NEW INFORMAL EDUCATION CERTIFICATE PROGRAM AT USF

- **Tristin Becker, The Florida Aquarium**

In September of 2006 the University of South Florida (USF) College of Education and the Center for Ocean Sciences Education Excellence (COSEE) collaborated to form an *Informal Science Institutions Marine and Environmental Education Certificate Program*. The program consists of four courses spread over a two-year period. The credits earned can be transferred to graduate programs at a number of institutions, like USF College of Education. The class is comprised of professionals from informal science institutions such as Mote Marine Laboratory, The Pier Aquarium, The Florida Aquarium, and Florida Fish and Wildlife Conservation Commission, as well as students and teachers from institutions such as USF College of Marine Science, Campbell Park Elementary and the Pinellas County School System.

While I knew the basics behind the program, I had no idea what I was getting into when I registered for the first class! As it turned out, the first course, "Community Resources for Environmental Education" allowed us to form bonds with other informal science

institutions, make connections with the formal school systems, provide a place to express concerns and ideas for improvement, and tap into local and national resources in the fields of science, math, technology and engineering. Although some reorganization took place during the first semester - to be expected from a new program - we are on track this semester to continue learning from each other. We also look to gain knowledge into the way people learn and make meaning out of science by exploring questions, like "what is science?," "how can informal institutions aid formal institutions when it comes to teaching about science?," and "how exactly do people learn?" We might not be able to find the perfect solution to every challenge we address, but we are certainly working together to refine our collective ideas for the betterment of all.

*(For more information on the program contact Dr. Barbara S. Spector, Ph.D., Professor of Science Education, USF College of Education at (813) 971-1856 or [spector@coedu.usf.edu](mailto:spector@coedu.usf.edu).)*

## MANDARIN HS PROJECT REMEMBERS LOCAL DIVER

- **BJ Viers**

In a seven-year project to create artificial reefs for offshore Northeast Florida fishing and diving spots, marine science students at Mandarin High School made six Reef Balls, one of which included the cremated remains of a well-known local commercial diver.

After a tragic diving accident claimed the life of 40 year-old diver "Capt. Bill" Newman, the family contacted the marine science department at Mandarin High School and made a request for Newman's ashes to be interred in one of the Reef Balls. Having filled a similar request once before project director Lex Waters and marine science teacher Jennifer Oglesby were more than happy to oblige. Arrangements were made with Tarmac America, Inc., which has been donating concrete since the project began back in 1999, for the first load



of concrete for the current school year. MHS then in turn contacted the family so they could bring the ashes to the school to make them become a permanent part of a Reef Ball.

When the Tarmac truck arrived, the students began the task of making the Reef Balls while the ashes were added to the concrete and poured into one of two of the larger Ultra Balls. A plaque will be commissioned by the family to later be attached to "their" Reef Ball, and in the not-to-distant future, the Reef Balls will be taken offshore and added to one of the existing permitted sites off either St. Johns or Flagler County. Plans will be made to get the current group of Reef Balls added to the High School Reef off St. Augustine if it can be arranged with the Parks and Recreation Department in St. Augustine.

# EDUCATOR OPPORTUNITIES & ANNUAL FMSEA AWARDS

## Florida Aquarium - FREE Educator Workshops!

- Take home lessons, resources, and new ideas for the school year.
- In-service points are available.
- Each classroom teachers receives a \$50 stipend!
- Register by calling 813.273.4015 or emailing [education@flaquarium.org](mailto:education@flaquarium.org).

### Stormwater

Saturday **February 10** OR Saturday, **April 28**, 2007 • 8:30 AM - 3:30 PM • Grades 5 - 12 • Held at The Florida Aquarium • Sponsored by the National Fish and Wildlife Foundation.

### Everglades

Saturday, **March 17** • 8:30 AM - 3:30 PM • Grades 3 - 5  
NOTE: This workshop is at the Florida Museum of Natural History in Gainesville • Sponsored by the Munson Foundation.

## Dolphin Research Center, Grassy Key Florida 12 - 18 Week Internships

- Applicants must be 18 (do not need to be enrolled in college)
- Internships in : Education, Animal Care and Training, Dolphin Child Special Needs, Research, and Visual Communications.
- Application Deadlines: **October 1** for Winter Term (Jan - Apr) • **February 1** for Summer Term: (May - Aug) • **June 1** for Fall Term (Sept - Dec)

For additional information on the Intern program and Intern position descriptions, see our website: [www.dolphins.org](http://www.dolphins.org) or contact our Volunteer Resources Department at (305) 289-1121 ext.230 or [drc-vr@dolphins.org](mailto:drc-vr@dolphins.org)

## Wild Studies - Seeking Marine Science Instructor

- Intern-type position from June 1-August 10
- Based in Bahamas
- Pay is 150-250 /week, room/board and air transport from Fort Lauderdale.
- Job duties include: instructing/guiding junior high to high school age students snorkeling, kayaking, island expeditions, and marine science curriculum.
- Applicants must be able to id plants and animals of the Caribbean waters and have knowledge of the conservation issues pertaining to this habitat.

Interested applicants should send a resume and letter of interest to [tara@wildstudies.com](mailto:tara@wildstudies.com) or call 815-846-2643. For more info on this program go to [www.wildstudies.com](http://www.wildstudies.com).

## University of South Florida - MS/HS Teacher Workshops

- All programs are 8:00am - 4:00pm and held at USF College of Marine Science's Clam Bayou Marine Education Center • 4240 35th Avenue South, St. Petersburg, FL
- For more information contact: (727) 553-3921 or [greely@marine.usf.edu](mailto:greely@marine.usf.edu)

Learning Ocean Science Through Ocean Exploration - Professional Development Follow-up Workshop (#2)  
Saturday March 17, 2007 • Presenters: NOAA Ocean Explorers Facilitator & guest scientist, Edie Widder

Learning Ocean Science Through Ocean Exploration - Professional Development Introductory Workshop (#1)  
Saturday April 21, 2007 • Presenter: NOAA Ocean Explorers Facilitator

Learning Ocean Science Through Ocean Exploration - Professional Development Follow-up Workshop (#2)  
Saturday September 22, 2007 • Presenters: NOAA Ocean Explorers Facilitator

In 1986, FMSEA began recognizing its members, as well as members of the Marine Science community in Florida, for the hard work and dedication that has helped to better the organization and the field of Marine Science.

### SERVICE AWARD RECIPIENTS

2006 - Ned Webster  
2005 - BJ Viers  
2004 - Kathy Russell  
2003 - Rosalyn Kilcollins  
2002 - Jean Knight  
2001 - BJ Viers  
2000 - Lynn Christensen  
1999 - Karen Hamilton  
1998 - Jackie Fletcher

### JOHN BEAKLEY MARINE EDUCATOR OF THE YEAR RECIPIENTS

2006 - Angie Golubovich  
2005 - Maia McGuire  
2004 - Charlene Mauro  
2003 - Any Guerin  
2002 - John Hargis III  
2001 - Kathy Russell  
2000 - Alex Waters  
1999 - Dave LaHart and George O. Dawson

If you would like to nominate someone for one of the awards above, please contact Jim Wharton at (941)388-4441 x 474 or [jimwharton@mote.org](mailto:jimwharton@mote.org). Details on submitting nominations are also available online at [www.fmsea.org](http://www.fmsea.org).

## EDUCATOR OPPORTUNITIES. . .CONTINUED

### Roseate Spoonbill Bowl at USF - St. Petersburg

- February 24 2007
- Location: USF College of Marine Science • 140 Seventh Ave S
- <http://www.nosb.org>
- For more information contact: (813)264-0128 or [Hjudkins@marine.usf.edu](mailto:Hjudkins@marine.usf.edu)

### Florida Museum of Natural History - Project Shark Awareness Instructor Training Workshop - FREE!

- March 8-9, 2007 OR April 19-20, 2007 • Elementary Teachers/Informal Educators
- Contact Cathy Bester, Education Coordinator, at 352.392.1721 ext. 457 or [cbester@flmnh.ufl.edu](mailto:cbester@flmnh.ufl.edu)

This is a "train the trainer" workshop where educators receive information and materials that enable them to conduct shark awareness programs in their individual school districts. This project includes a teaching kit consisting of a PowerPoint presentation, teaching guide, handouts, methods to evaluate student and other fun activities.

Hands-on learning opportunities will be provided through a shark awareness kit that includes shark jaws, embryo, skin and vertebrae. A reference list will also be included for instructors and students interested in pursuing these topics further. A companion web page within the Florida Museum of Natural History (FLMNH) Ichthyology education web site will also be available online to accompany the materials.

Upon completion of the workshop, participants receive a Project Shark Awareness Kit. Project Shark Awareness is an education initiative of the FLMNH's Florida Program for Shark Research (FPSR) and supported with funding from the Disney Wildlife Conservation Fund.

### Loggerhead Marinelifelife Center

Summer Camp registration begins March 1. Great for students grades 2-12 interested in marine science! See the website for details [www.marinelifelife.org](http://www.marinelifelife.org) under *Education*.

Summer Internship applications being accepted at Loggerhead Marinelifelife Center - for students in grades 11-college! See the website for details [www.marinelifelife.org](http://www.marinelifelife.org) under *Education*. Deadline to apply is March 2, 2007!

### NOAA National Marine Sanctuary Program Launches New Education Evaluation Website

The National Marine Sanctuary Program has launched a new website focused on the evaluation of environmental and marine education programs. The website includes information on how to create program evaluation plans. It also contains an environmental education literature review, tools and techniques for evaluation, examples of objectives and goals, an evaluation glossary, and an online resource guide to evaluation.

Check out the new education evaluation website at: <http://sanctuaries.noaa.gov/education/evaluation>.

### Mote Marine Laboratory - School and Public Programs

#### Mote Special Lecture Series

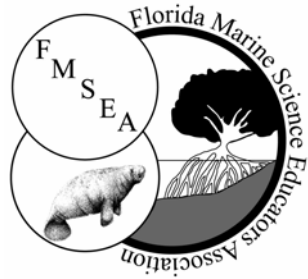
These lectures for both Members and non-members will take place at 7:00 p.m. from January 29 to March 12, immediately following Monday@Mote Member open house programs. Members will be admitted free on a "first-come, first-served." Priority Admission Seating will be offered for the Mote Special Lecture Series, with Members receiving a discounted rate.

#### Mommy and Me at Mote

For those younger learners (ages 2 - 5) interested in the sea and all it has to offer during the week. Learn about Mote creatures like sharks, eels, dolphins, sea turtles, giant squid, manatees, and coral reefs. These programs will take place on Thursday mornings in 2007 and will be grouped into seven, four-week sessions.

#### SeaSnooze Overnights

Mote Marine Laboratory offers Group, Youth and Family *SeaSnooze Overnights*. *SeaSnooze* themes will vary, join us if you are interested in sea turtles, manatees, sharks and the research that Mote scientists are involved in with these incredible creatures.



**HOLBROOK**  
Enriching Lives Through Travel Since 1974

## *Professional Development Series*

*Florida Marine Science  
Educators Association presents*

# *Costa Rica*

*July 19-27, 2007*

This trip will offer fun, exploration, learning and sharing for marine educators. The program includes travel by boat in Ballena National Park to observe dolphin populations and the marine environment; hiking in primary forest and learning about the rainforest ecosystem and structures, focusing on the relationship between forest conservation and marine habitat health; and visiting a refreshing waterfall. Other exciting activities will include snorkel trips and learning about mangroves, whales, and sea turtles and the upland connections. Teachers from Costa Rica will be invited to travel to a site close to their home to join us for a day, as well as contribute to a cultural exchange in marine science education. Learn how teachers can best use the experiences to enrich their classroom experience and share with other members of FMSEA. The connection with Costa Rica's teachers will really enrich the program and offer an opportunity for exchange of culture as well as curriculum ideas. **Join FMSEA in the field for an unforgettable professional development opportunity!**

### *Itinerary Highlights – The Pacific Coast*

#### Dominical

Explore the **Ballena** National Park and learn about ongoing studies on whales and dolphins

#### Corcovado

Discover the wonders of tropical rainforest ecology with guided hikes through **Corcovado National Park**, home to a variety of **endangered** species and the last significant **primary rainforest** in Central America.

Explore **Caño Island** Preserve, an important archaeological site and pre-Columbian burial ground

Snorkel in pacific waters in search of marine life

## **\$2195 from Orlando**

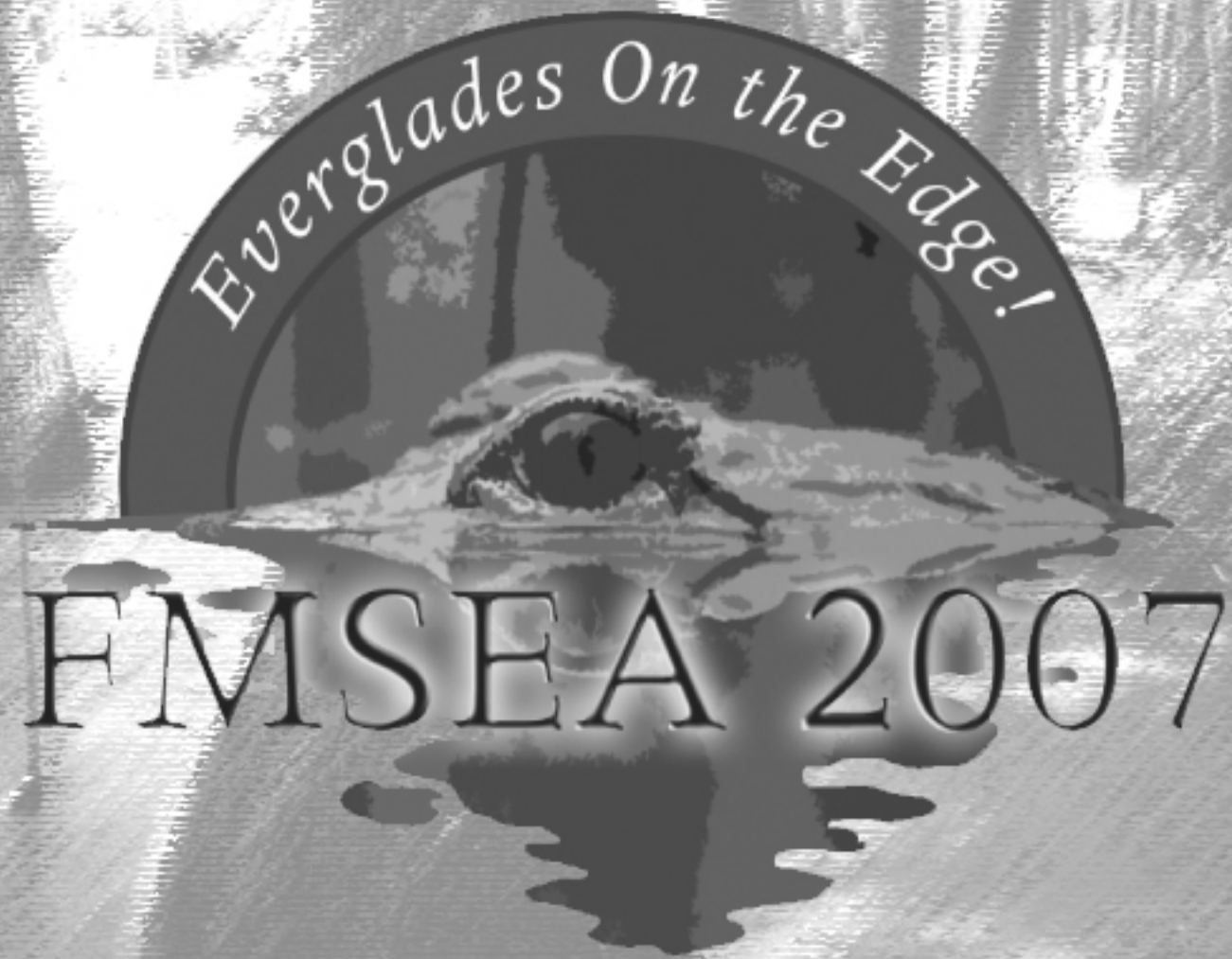
Cost is based on a group of minimum of 10 participants, sharing in double occupancy. Cost includes round trip airfare from Orlando to San José, all in-country accommodations, transportation, expert local guide, activities, and meals. Cost does not include gratuities, optional activities and airport departure tax of \$26. Optional travel/trip cancellation insurance is strongly recommended. For more information see [www.travelinsured.com](http://www.travelinsured.com). Holbrook's agency number is 15849.

**Register On-Line:** [www.holbrooktravel.com](http://www.holbrooktravel.com)

A completed enrollment form and a deposit of \$200 per person is necessary to confirm your space before the deadline of April 1, 2007. Final payment is due on or before April 13, 2007. Contact Debbie Sturdivant at 866-748-6146 or [Debbie@holbrooktravel.com](mailto:Debbie@holbrooktravel.com). The FMSEA trip coordinator is Rosalyn Kilcollins (850) 570-8887 or [Roztally@att.net](mailto:Roztally@att.net).

Florida Marine Science Educators Association  
2007 Conference

April 27 - 29, 2007 • Naples, Florida



REGISTRATION

## Tentative Conference Schedule

### Thursday, April 26

Afternoon  
5:00 - 8:00 PM

Conference Committee Meeting  
Registration Open

### Friday April 27

8:00 AM - 5:00 PM  
8:00 AM - 5:00 PM  
1:00 - 5:00 PM  
6:00 PM  
6:30 - 9:00 PM  
8:30 PM

Registration - *La Quinta Lobby*  
Full & ½ day workshops and field trips (Vans leave from La Quinta)  
Exhibitors set up - *Edison College*  
Buses depart for Rookery Bay - *La Quinta*  
Social with heavy appetizers & Opening Speaker  
Buses begin departing for La Quinta - *Rookery Bay*

### Saturday April 28

8:00 AM  
8:00 - 10:00 AM  
8:00 AM - 6:00 PM  
8:30 - 9:45 AM  
10:00 AM - 12:00 PM  
12:00 - 1:00 PM  
1:10 - 4:20 PM  
4:30 PM  
4:00 - 6:00 PM  
6:00 PM  
6:00 - 7:00 PM  
7:00 - 10:00 PM

Buses begin departing for Edison College\*\*\*  
Registration - *Edison College*  
Exhibits & FMSEA Curriculum Library Open - *Edison College*  
Opening Session & Keynote Speaker Dennis Duke - *Edison College*  
Concurrent Sessions - *Edison College*  
Box Lunch and Regional Meetings - *Edison College*  
Concurrent Sessions - *Edison College*  
Deadline to submit election ballots  
Sea Swap  
Exhibit break down  
Silent Auction and Social - *Edison College*  
Banquet, Installation of Officers, Awards, Musical Entertainment by "Democracy"- *Edison College*

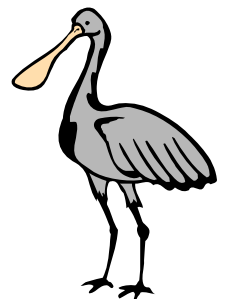
### Sunday, April 29

8:00 - 9:30 AM  
8:30 - 9:30 AM  
9:45 - 11:00 AM

Breakfast Buffet & Networking - *La Quinta Inn*  
FMSEA/FWC Collecting Certification Facilitators Meeting  
Board Meeting

Stay awhile and enjoy Naples on your own!!!

\*\*\* A bus will be available to shuttle conference participants between La Quinta and Edison College throughout the day.







We look forward to seeing you in Naples this spring! The conference sites include Edison College (Collier Campus) and the Rookery Bay National Estuarine Research Reserve Environmental Learning Center. The theme this year focuses on the appreciation of natural surroundings.

**Friday is field trip day!** Several outstanding experiential opportunities have been arranged - good luck choosing between them! Trips include swamp buggy rides at the Panther Preserve, kayaking on Rookery Bay and a guided tour of Shark Valley in Everglades National Park. Or you can explore the area on your own. There is so much natural and cultural history in the Naples area, you just may want to extend your visit by a day or two! See pages 5-6 for more details.

**Saturday is Sea Swap** - Come share your marine curricula or pick up copies from other marine educators. Participants are encouraged to bring 20-25 copies of their favorite materials, including things like slides, posters, photos, etc., to swap or share. Don't miss out on this great opportunity to gather new materials and ideas, or just learn new twists on old ones!

**Saturday's** concurrent sessions will include multi-disciplinary approaches to learning. Sessions focusing on models, curriculum and programs that motivate learners to make sustainable personal and professional choices and examples using marine science for meeting the Sunshine State Standards or improving reading skills are especially encouraged. It's not too late to propose a session - see enclosed application inside this registration packet.

**Saturday night** the fun includes a silent auction and social, the special awards banquet and entertainment by the Gulf Coast favorite, Democracy. So bring your check book, bring your appetite, and bring your dancing shoes - it's bound to be an eventful evening!

**Sunday morning** - Staying at the conference hotel? Join your fellow marine educators at the deluxe continental breakfast at the La Quinta Inn for some last-chance networking before you leave.

DON'T FORGET TO BRING OR SEND YOUR SILENT AUCTION ITEMS!  
(Donations to FMSEA are tax deductible.)

Edison College - Collier Campus  
7007 Lely Cultural Parkway  
Naples, Florida 34113  
<http://www.edison.edu/collier/>

Rookery Bay NERR  
300 Tower Road  
Naples, Florida 34113  
[www.rookerybay.org](http://www.rookerybay.org)

La Quinta Inn & Suites  
1555 5th Avenue South  
Naples, Florida 34102  
1-800-531-5900/239-793-4646  
[www.laquinta.com](http://www.laquinta.com)

**Registration begins February 7, 2007 – see enclosed forms.**

Full registration includes FMSEA tee shirt, special conference items, Friday Evening Social, all Saturday sessions, Saturday lunch and evening banquet.

**LODGING OPTIONS**

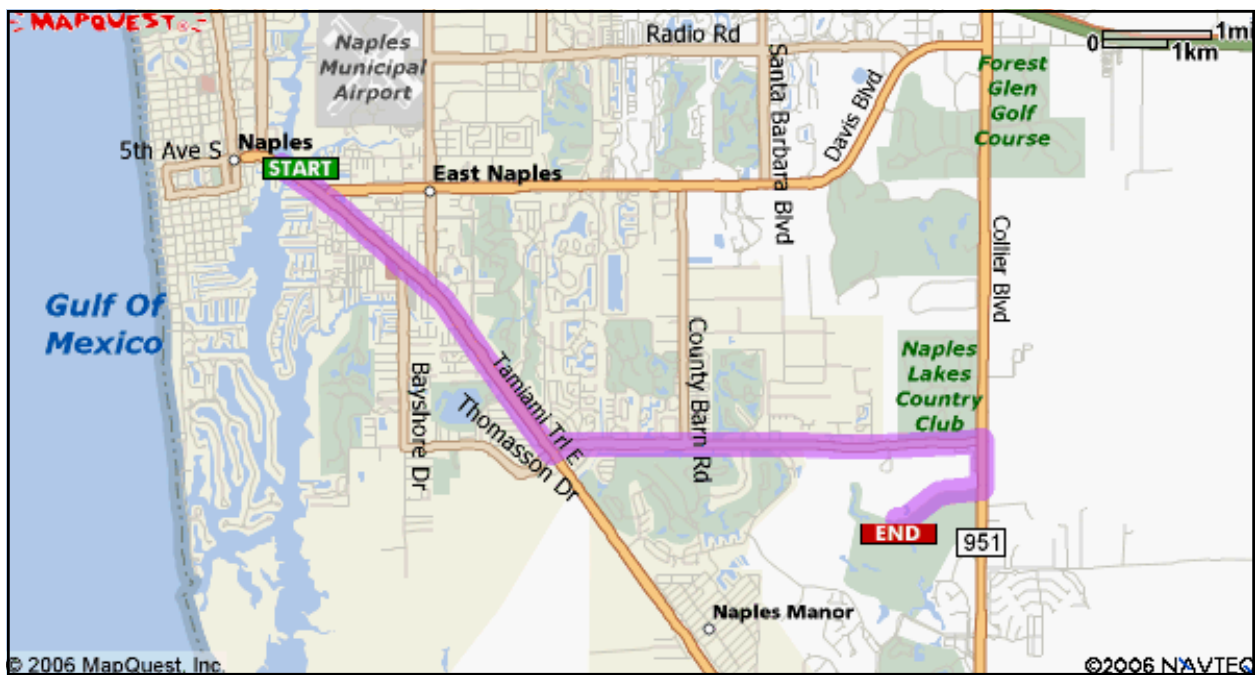
**Conference Hotel** La Quinta Inn & Suites  
1555 5th Avenue South  
Naples, Florida 34102  
1-800-531-5900/239-793-4646  
www.laquinta.com

**Be sure to ask for the group rate code:** 771045026. Rates are only offered for reservations made by April 6, 2007.

**Single/Double Room:** \$79/night  
All rooms have a microwave and refrigerator. Outdoor pool and free high-speed wireless available. Deluxe hot/cold breakfast included in room rate.

**Suites:** Call for rates.  
There are a limited number of suites and these are not included in the FMSEA group pricing. Please call La Quinta Inn for details.

Please Note: FMSEA group rate is only available until April 6th, so be sure to book your room in time to take advantage of this special rate!



Look for more information at [www.fmsea.org](http://www.fmsea.org).

**FMSEA Conference, April 27 - 29, 2007**  
**Naples, FL**  
**Field Trips Friday April 27**

Field trips are on Friday April 27, 2007. **Morning and Full Day trips include box lunch.** Times indicate beginning to end time from La Quinta Inn & Suites. Transportation will be provided unless otherwise noted.

*Indicate the Letter for your first and second choice(s) on the registration form – confirmation and trip details will be sent after your registration is received. You will only be registered for your second choice if your first choice is already filled to capacity. If you do not wish to be registered for another trip should your first choice trip be filled, please do not list a second choice. Thank you.*

**A. 8:00 AM - 12:00 PM      Audobon's Corkscrew Swamp Sanctuary**

Difficulty: Moderate - approximately 2-3 mile walk depending on personal choice  
Minimum participants: 5      Maximum: 20  
Fee: \$35

Corkscrew Swamp has been described as the largest old growth cypress forest in North America. Join interpreters for a guided tour on their boardwalk. A variety of birds, as well as native orchids, are treasures found on this site in addition to a number of trees more than 500 years old! Lunch will be provided.

**B. 8:30 AM – 12:30 PM      Kayak Tour of Johnson Bay**

Difficulty: Easy to moderate  
Minimum participants: 10      Maximum: 20  
Fee: \$55

Join Rookery Bay's Dr. Geoff Trager and Cyril Marks on a paddle of the backwaters of Johnson Bay. Tour includes mangrove island exploration and an innovative approach to collecting plankton for the classroom. Lunch and kayak rental included.

**C. 8:30 AM - 12:30 PM      Tigertail Beach and Burrowing Owl Tour**

Difficulty: Easy, though involves walking on beach/mudflats and periods of standing  
Minimum participants: 5      Maximum: 20  
Fee: \$25

Take a nice morning stroll along the shallow lagoon that is Tigertail Beach and Sand Dollar Island Critical Wildlife Area. Low tides bring in a variety of wading birds, including roseate spoonbills, white morphs of reddish egrets and more. A tour will be led by Randy McCormick, Education Coordinator at Rookery Bay National Estuarine Research Reserve, and Charlotte Roman, President of the Friends of Tigertail. After the beach walk, participants will hear about another of Marco Island's avian residents - the burrowing owl - and hopefully see some in their remaining habitat. Lunch will be provided.

**D. 1:00 – 5:00 PM      Rookery Bay Tour and Trawl**

Difficulty: Easy to moderate, depending on weather conditions  
Minimum participants: 8      Maximum: 15  
Fee: \$25 includes lunch

Meet a polka-dot batfish up close! Join Dave Graff, Rookery Bay Education Specialist, on board a mullet skiff for a tour of some of the backwater bays and a short trawl. Critters from the murky depths of Rookery Bay will be explained and examined on the boat, then released. This is a truly hands-on experience! A short tour of a barrier island may be available, time permitting.

**E. 1:00 – 5:00 PM Panther Refuge Swamp Buggy Tour**

Difficulty: Easy; some walking. Be prepared for heat and/or bugs.

Minimum participants: 6 Maximum: 12

Fee: \$25

Half the group will climb aboard an official U.S. Government swamp buggy for a behind the scenes tour of the USFWS Panther Refuge, while the other half of the group will be on a short walking tour of an area not yet open to the public. Although the chance of spotting a panther is rare even here, who can pass up the opportunity to ride on a swamp buggy? Groups will switch halfway through the afternoon.

**F. 1:00 – 5:00 PM Kayak Tour of Johnson Bay**

Difficulty: Easy to moderate

Minimum participants: 10 Maximum: 20

Fee: \$50

Join Rookery Bay's Dr. Geoff Trager and Cyril Marks on a paddle of the backwaters of Johnson Bay. Tour includes mangrove island exploration and an innovative approach to collecting plankton for the classroom. Kayak rental included.

**G. 8:00 AM – 5:00 PM Shark Valley Tour in Everglades National Park**

Difficulty: Moderate, due to long day and lots of walking

Minimum participants: 10 Maximum: 20

Fee: \$45

Explore the 15 mile loop that runs through Shark Valley. A guided tram tour begins at 10:00 AM. Shark Valley is a great place to see wildlife ranging from wood storks, purple gallinules, and even a snail kite or two if you're lucky! After visiting the park, it is hard to imagine that visitors in the 1970s rarely saw a single alligator, an animal that is so ubiquitous there today.

**ON YOUR OWN TRIP OPTIONS – CONTACT AREA VENDORS DIRECTLY:**

- ◆ Loose Screw Swamp Sanctuary (Clyde Butcher's Gallery) • (239) 695-2428 • (888)999-9113
- ◆ Ding Darling • [www.fws.gov/dingdarling](http://www.fws.gov/dingdarling) • (239) 472-1100
- ◆ Ah-Tah-Thi-Ki Seminole Museum • [www.seminoletribe.com/museum](http://www.seminoletribe.com/museum) • (863)902-1113
- ◆ Big Cypress • [www.nps.gov/bicy/contacts](http://www.nps.gov/bicy/contacts) • (239)695-1201
- ◆ Segway tour of Naples • [www.napleswatertours.com](http://www.napleswatertours.com) • (239)793-7529



**Florida Marine Science Educators Association 2007 Conference**  
**EVERGLADES ON THE EDGE**  
 April 27 - 29, 2007 Naples, Florida

**REGISTRATION FORM**

Last name: \_\_\_\_\_ First name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_ County: \_\_\_\_\_

Home Phone: (\_\_\_\_) \_\_\_\_\_ Work Phone: (\_\_\_\_) \_\_\_\_\_

Email address to confirm registration: \_\_\_\_\_

Affiliation/School: \_\_\_\_\_

Check all that apply:

- I am a new FMSEA member and/or am attending my first FMSEA conference
- I agree to have my contact information included in a FMSEA Member Directory
- I do not wish to have my contact information included in a FMSEA Member Directory

PAYMENT INFORMATION: **Make checks payable to FMSEA** (FEID ## 02-0638324)

**Early Bird Rate: \$145** (postmarked by March 26) Life members pay \$130

**Late Registration: \$170** (Mail-in deadline is April 15) Life members pay \$155

**On-site Registration: \$190**

**Conference Package:** Includes Friday evening social at Rookery Bay NERR, Saturday lunch, Saturday banquet, Conference tee shirt, special conference items, all concurrent sessions and Keynote Session.

**NOTE:** Lodging and Field Trips are **not included** in registration. Refer to enclosed information.

Check if vegetarian meals are requested: \_\_\_\_\_

**Registration \$** \_\_\_\_\_

**Field Trips**

AM/Full Day Field Trip Letter: First Choice \_\_\_\_\_ Second Choice \_\_\_\_\_

AM/ Full Day Trips Box Lunch Circle One: Vegetarian Ham Turkey

PM Field Trip Letter: First Choice \_\_\_\_\_ Second Choice \_\_\_\_\_

**Total Field Trip Cost \$ \_\_\_\_\_**

**Conference T-shirts**

Each participant will receive ONE conference t-shirt FREE with registration.

Please indicate size (S - XL) \_\_\_\_\_

Additional shirts at \$10 each \_\_\_\_\_

**Total Additional T-shirt Cost \$ \_\_\_\_\_**

**Additional Guest Tickets**

(Friday and Sunday tickets **NOT** available for Saturday only registrants)

Friday Reception \$15.00 X \_\_\_\_\_ (number of tickets) = \$ \_\_\_\_\_

Saturday Banquet \$35.00 X \_\_\_\_\_ (number of tickets) = \$ \_\_\_\_\_

**Total Ticket Cost \$ \_\_\_\_\_**

**Total Payment Enclosed \$ \_\_\_\_\_**

Please mail by **March 26** for Early Bird Rates  
or by **April 13** for Late Registration, along **with payment**  
made payable to **FMSEA** to:

Ted Klenk  
1302 Cornerstone Court  
Orlando, FL 32835

For questions contact:

Ted Klenk (407)342-9672 • klenkt@ocps.k12.fl.us

or

Kathy Russell: (904)225-9280 • krussty1@aol.com

or

Gary Kirkland (904)477-8611 • capt.kirkland@comcast.net



Florida Marine Science Educators Association  
2007 Annual Conference - April 27-29, 2007  
Naples, Florida



## EVERGLADES ON THE EDGE

### EXHIBITOR INFORMATION

Showcase your products, programs and/or services to the largest annual gathering of educational professionals in the marine science field in Florida! The exhibits will be on display at Edison College in Naples from 8:00 AM to 6:00 PM Saturday, April 28 while conference attendees are participating in concurrent sessions and keynote speakers' day. Please refer to the tentative schedule below. If you wish to attend any of the conference sessions or events other than the exhibits hall, conference registration is required. Please refer to the registration information included in this newsletter.

The Exhibitor Fee is \$35 - make check or money order payable to **FMSEA**. Tables will be provided. Please bring any necessary equipment such as projectors, extension cords, video players, etc.

<b>Exhibit Set Up:</b>	Friday, April 27	1:00 - 5:00 PM
<b>Exhibit Viewing:</b>	Saturday, April 28	8:00 AM - 6:00 PM
<b>Exhibit Breakdown:</b>	Saturday, April 28	5:30 - 10:00 PM

**SUBMIT NOW - DEADLINE is March 31, 2006.** To sign up as an exhibitor, complete the exhibitor form and **mail with payment by March 31 to:**

Rich Abrams  
2590 Executive Center Circle  
Berkley Bldg, Ste. 204  
Tallahassee, FL 32301

Or email to:  
[Rich.Abrams@MyFWC.com](mailto:Rich.Abrams@MyFWC.com)

You will be sent confirmation when your form and payment are received. For questions about the conference Exhibit Hall, contact Rich Abrams at (850) 488-6058 x 228 or by email at [Rich.Abrams@MyFWC.com](mailto:Rich.Abrams@MyFWC.com).



Florida Marine Science Educators Association  
 2007 Annual Conference - April 27 - 29, 2007  
 Naples, Florida



**EVERGLADES ON THE EDGE**

EXHIBITOR APPLICATION

**SUBMIT NOW - DEADLINE IS MARCH 31, 2007**

Confirmation will be sent upon receipt

Name of Company/Organization: \_\_\_\_\_

Name(s) of Representative(s): \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Work Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_

FAX: \_\_\_\_\_ email: \_\_\_\_\_

Exhibit spaces are 8' feet wide and include one 6' table and two chairs. **If your space requirement is larger than 8' feet wide, you must reserve and pay for TWO spaces.** Exhibitor Fee: \$35 per space.

**Set-up Requirements:** *please check all that apply*

- space with table
- open floor space (without table) for standing exhibit - please specify space needed \_\_\_' x \_\_\_'
- I will need electricity.
- I will be selling items. (Please provide a brief description of item(s) below.)

Please list any other special needs:

- Number of spaces X \$35 \$ \_\_\_\_\_
- Number of FMSEA memberships x \$20 \$ \_\_\_\_\_
- I will be registering for the conference. (FMSEA membership is included in conference registration fee. Please send registration forms and payment separately to registration address.)
- I will donate item(s) to the silent auction (bring and turn in on Friday)

**Total enclosed** \$ \_\_\_\_\_

Make check or money order payable to **FMSEA**. Federal ID # 02-0638324; FL Vendor # F593129045001.

**NOTE:** If you wish to attend any of the conference sessions or events other than the exhibits hall, conference registration is required. Please refer to the enclosed registration information.

**MAIL BY MARCH 31** to:

Rich Abrams • 2590 Executive Center Cr. • Berkley Bldg., Ste. 204 • Tallahassee, FL 32301  
 or email to [Rich.Abrams@MyFWC.com](mailto:Rich.Abrams@MyFWC.com). Questions? Call Rich at (850)488-6058 x 228.



# Florida Marine Science Educators Association (FMSEA)

April 27 - 29, 2007 · Annual Conference

Naples, Florida

## Call for Presenters

### Presentation Proposal Form

FMSEA invites you to propose a session at our **Everglades On The Edge** annual conference. Topics on marine and ocean conservation, new and innovative marine science content, research, activities and curriculum are encouraged. Proposals are especially sought for interactive and hands-on sessions focusing on correlations to the Sunshine State Standards, improving reading skills with marine science, and activities for Pre-K- through 2<sup>nd</sup> grades. All concurrent sessions will be Saturday, April 28 at Edison College in Naples.

Please complete and submit the *Call for Presenters* form by:

**5:00 p.m. Monday, February 26, 2007**

**E-MAIL TO:**

[JeremyPLake@aol.com](mailto:JeremyPLake@aol.com)

**MAIL TO:**

Jeremy Lake  
9214 Knights Branch Street  
Temple Terrace, Florida 33637

Presentation Title: (Not to exceed 15 words) \_\_\_\_\_

\_\_\_\_\_

Primary Presenter Name & Title \_\_\_\_\_

\_\_\_\_\_

Additional Presenter(s) Name & Title: \_\_\_\_\_

\_\_\_\_\_

School/Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone: (\_\_\_\_\_) \_\_\_\_\_ Work Phone: (\_\_\_\_\_) \_\_\_\_\_

FAX: (\_\_\_\_\_) \_\_\_\_\_ Email: \_\_\_\_\_

**Preferred Length** *Please check one (sessions will be on Saturday):*

Single (50 min)

Double (110 min – number of double sessions may be limited based on availability of space)

**Type of session** *Please check one:*

Demonstration                       Hands-on activity                       Make & Take  
 Discussion/Panel                       Other: \_\_\_\_\_  
 Field Experience

**Please Check topic(s) most closely related to the session you are proposing:**

Marine Technology                       Marine Ecology                       General - Marine Science  
 Deep Sea Science                       Marine Science Careers                       Sunshine State Standards  
 Global Issues                       Scientific Research                       Teaching Methods  
 Professional Development Opportunities                       Marine/Ocean Conservation

**Intended Audience(s):**

General                       Non-Formal                       Elementary  
 Middle School                       High school                       Post Secondary

**Preferred Audience Size:**

10-20                       20-30                       30-50

\*\*\* Please prepare sufficient handouts as copies cannot be made at this site

**Please check all standard A/V equipment needed (provided at conference site)**

slide projector (35mm)                       overhead projector                       screen  
 VCR &TV Monitor                       flip chart                       easel

Presenters must supply specialized equipment, including Multimedia Projectors and computers - please specify what equipment you will bring so we can assign rooms to accommodate your needs: \_\_\_\_\_  
\_\_\_\_\_

Special Space or Room Requirements: \_\_\_\_\_  
\_\_\_\_\_

**Please attach a write-up that includes the following points:**

- ◆ **Presentation Description for the Conference Program** *Max. 75 words.*
  - *major presentation points*
  - *materials you plan to hand-out*
  - *Additional information that would encourage participation in your session*
  - *Any Sunshine State Standards that correlate to your presentation if applicable*
- ◆ **Short Biography** *Max. 50 words.*
  - Please include your most recent experiences relevant to the presentation you wish to give.

Please complete and submit the *Call for Presenters* form by:

**5:00 p.m. Monday, February 26, 2007**

**E-MAIL TO:**

[JeremyPLake@aol.com](mailto:JeremyPLake@aol.com)

**MAIL TO:**

Jeremy Lake  
9214 Knights Branch Street  
Temple Terrace, Florida 33637

*For more information call Jeremy at (727)896-8626 ext. 2074*



**2007 FMSEA CONFERENCE**  
**Silent Auction DONATION FORM**



Thank you so much for your donation to the silent auction, which will take place during the 2007 annual FMSEA Conference, *Everglades on the Edge*. The auction will be held on Saturday, April 28<sup>th</sup>. FMSEA is a non-profit organization, and your donation is tax deductible (FEIN # 02-063824).

All proceeds from the auction will be used for need-based scholarships for educators to attend future conferences.

Today's Date \_\_\_\_\_

The item(s) I have donated is (are) as follows:

Retail Value:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The total retail value of the item(s) is: \_\_\_\_\_

Donated by \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City/State \_\_\_\_\_ Zip \_\_\_\_\_ County \_\_\_\_\_

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

**Auction Co-Chairs**

E. Howard Rutherford, The Pier Aquarium  
hrutherford@pieraquarium.org  
(727)895-7437

Jim Wharton, Mote Marine Laboratory  
jimwharton@mote.org  
(941)388-4441 x 474



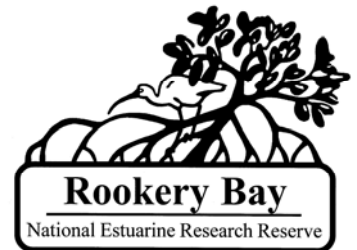
## FMSEA thanks its generous supporters:



- Central Gulf of Mexico COSEE
- Florida Sea Grant Program
- Rookery Bay NERR
- Edison College
- [www.kstonedesign.com](http://www.kstonedesign.com)  
(Conference Logo)



S t o n e



### Conference Committee

Chair:	Gary Kirkland • (904)477-8611 • <a href="mailto:capt.kirkland@comcast.net">capt.kirkland@comcast.net</a>
Food, Lodging & Transportation:	Debbi Berger • (813)367-4085 • <a href="mailto:dberger@flaquarium.org">dberger@flaquarium.org</a>
Registration:	Ted Klenk • (407)905-5500 • <a href="mailto:klenkt@ocps.k12.fl.us">klenkt@ocps.k12.fl.us</a> Kathy Russell • (904)277-7350 • <a href="mailto:krusty1@aol.com">krusty1@aol.com</a>
Field Trips:	Dave Graff • (239)417-6310 x 408 • <a href="mailto:david.graff@dep.state.fl.us">david.graff@dep.state.fl.us</a>
Concurrent Sessions:	Jeremy Lake, (813) 367-4017, <a href="mailto:Jeremy.Lake@MyFWC.com">Jeremy.Lake@MyFWC.com</a>
Entertainment:	Tim Oldread • (941)388-4441 x 369 • <a href="mailto:tim.oldread@mote.org">tim.oldread@mote.org</a>
Hospitality:	Leslie Figg • (561)627-8280 • <a href="mailto:leslie@marinelife.org">leslie@marinelife.org</a>
Silent Auction:	Howard Rutherford • (727) 895-7437 • <a href="mailto:rutherford@pieraquarium.org">rutherford@pieraquarium.org</a> Jim Wharton • (941)388-4441 x 474 • <a href="mailto:jimwharton@mote.org">jimwharton@mote.org</a>
Exhibits:	Rich Abrams • (850)488-6058 x 228 • <a href="mailto:rich.abrams@myfwc.com">rich.abrams@myfwc.com</a>
Publications:	Laura Diederick • (772)465-3271 • <a href="mailto:diederick@si.edu">diederick@si.edu</a>

## 2007 FMSEA Mail-in Ballot: Voter Information

Greetings FMSEA! This year we're distributing a mail-in ballot to supplement the voting that goes on at our Annual Conference in April. Below you'll find information on each of the nominees. **Please vote for all Executive Board candidates and your appropriate Region's Director** (see the map on the back page of the Drift). If you plan to join us in Naples you can vote then, but please only vote once (this isn't Chicago).

### *Executive Board Nominees*

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#### President-Elect

##### **Howard Rutherford**

E. Howard Rutherford is the Executive Director of the Pier Aquarium in St. Petersburg. He obtained his Bachelor of Science in Marine Science from Eckerd College and attended the University of South Florida, College of Marine Science for his graduate work in Chemical Oceanography. Howard is also a Co-PI with Florida's Center for Ocean Science Education Excellence (COSEE-FL) and a Director on the following Boards: University of Florida Leadership and Education Foundation, Friends of Weedon Island (President) and Campbell Park Elementary Marine Science Program School Advisory Council and the City of St. Petersburg Downtown Business Association.

Howard's goals as President-Elect include: to assist brokering seamless relationships between the formal K-12 classroom and community experiential learning at Informal Science Institutions (ISI), to expand the Informal Science Networking throughout Florida, building on what other ISIs know and leveraging funds to scale up efforts, and to identify professional development opportunities for formal and informal educators.

#### Secretary

##### **Jeremy Lake**

Jeremy Lake works for the state of Florida's Fish and Wildlife Conservation Commission's Fish and Wildlife Research Institute in St. Petersburg. He has been the Public Outreach Coordinator for the past three years and an informal educator for the past seven years in Florida. Jeremy has been the FMSEA Secretary for the past two years and would like to continue in that role. He sees himself as a diligent, hard worker willing to go the extra mile for environmental, especially marine and aquatic, education in Florida.

##### **Ann McElhatton**

Ann McElhatton has a B.S. in Marine Science from RICHARD Stockton College of New Jersey and a M.Ed in Curriculum and Instruction (with concentration in Adult Environmental Education) from FAU. She is currently employed as Education Coordinator at Florida Oceanographic Coastal Center in Stuart. Ann sees involvement in FMSEA as a challenge to increase the access and availability for the FMSEA members to professional development opportunities for infusing ocean literacy. She is trained in adult education and has facilitated both teacher workshops and adult stewardship workshops on conservation issues.

### *Regional Director Nominees*

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#### Northeast

##### **Lex Waters**

Lex Waters is on reassignment from Duval County Schools as a Teacher in Residence to Jacksonville University to develop environmental field studies programs for the JU Marine Science Institute. He is also acting as Co-Career Academy Coordinator for the Terry Parker High School Academy of Coastal and Environmental Studies. Lex is a FMSEA Past President, served as FMSEA's NMEA Rep from 2001-2004 and was Co-Chair of the NMEA 2004 Annual Conference. He's held the Northeast Regional Director position for the past eight years.

##### **Angie Golubovich**

Angie Golubovich received her B.S. in Environmental Science from USF. She has spent the last 6½ years teaching marine/environmental education programs, and participating in marine-related monitoring and advocacy efforts. Angie believes each Region should have a strong network of people willing to create partnerships, share resources, and provide training and support to reach our common goal of increased awareness and stewardship of the marine environment. If elected she would develop an email distribution list, organize annual Regional events, and work to increase FMSEA membership in the Region.

## East Central

### **Edgar Comellas**

Born and raised in Puerto Rico, Edgar Comellas has always been interested in marine life and envisions himself as the Hispanic Jacques Cousteau. Edgar began working with SeaWorld's Education Department in 2000 and learned that teaching about marine life is as important as any field research, and that to conserve anything we must first learn about it. He sees FMSEA as a unique organization that allows educators, researchers, and lovers of marine life to come together, share ideas, and develop new ways to teach people to appreciate our oceans.

### **Teresa Riedel**

Teresa Riedel is a fifth grade teacher at Carillon Elementary School in Seminole County where she teaches math and science. She holds a degree in elementary education from Millersville University and a Masters degree in curriculum and instruction from the University of Virginia. Teresa has a deep interest in marine biology and has worked with Dr. Linda Walters at the University of Central Florida on designing curricula on corals reefs for K-12.

## Southeast

### **Leslie Figg**

Leslie Figg is the Director of Education at the Loggerhead Marinelife Center in Juno Beach, as well as the incumbent Director of the Southeast Region. Leslie is eager to continue as Director and is committed to making sure the Region stays connected. She is always eager to share news on the important work that's going on, job openings and events in the Region. She's also committed to holding biannual Intraregional Meetings that are not only fun, but will provide educators with the tools they need to teach marine science.

## Southwest

### **Bryan Fluech**

Bryan Fluech is a Sea Grant Extension Agent in Collier County. Bryan received his B.S. in Biology from the University of Tennessee, and his M.Ed in Science Education from the University of Florida.

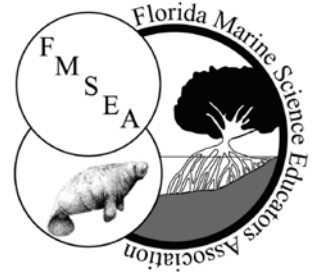
### **Dianne Lavarello**

Diane Lavarello has held the FMSEA offices of Treasurer, Secretary, President and has chaired numerous FMSEA conferences. She was a reviewer, and facilitates teacher workshops, for Current Publishing, the currently adopted Marine Science textbook in our State. In the past she has been involved in the planning and implementation of the current State curriculum for Marine Science, the educational component of the FKNMS, and FMSEA's educational collecting certificate. She currently teaches Marine Science at Riverview High School in Sarasota. Diane would like to reach out to teachers to involve them in this awesome network of knowledge; sharing labs, best practices, field trip information and ideas.

### **Tim Oldread**

Tim Oldread is the Public Programs Coordinator at Mote Marine Laboratory in Sarasota. Previously, he worked as an Instructor at SeaWorld Orlando for 3½ years. Tim hopes to help FMSEA recruit more members and reach out to the sizeable portion of the Florida marine science educator population that we are lacking. He hopes to expand the practice of sharing ideas, curricula, and experiences. From Tim, "Being fairly new to the organization, I hope to be able to meet many more people with shared passions and lead them to learn and teach more about ocean science."

# 2007 FMSEA Mail-in Ballot



Name: \_\_\_\_\_ Region: \_\_\_\_\_

## President-Elect.....

\_\_\_\_\_ Howard Rutherford, Executive Director, Pier Aquarium

\_\_\_\_\_ Write-in: \_\_\_\_\_

## Secretary.....

\_\_\_\_\_ Jeremy Lake, Public Outreach Coordinator, FWCC

\_\_\_\_\_ Ann McElhatton, Education Coordinator, Florida Oceanographic Society

\_\_\_\_\_ Write-in: \_\_\_\_\_

## Regional Directors.....

<p><b>Northeast</b></p> <p>_____ Lex Waters, Teacher in Residence. Duval Co. Schools/Jacksonville University</p> <p>_____ Angie Golubovich, Environmental Educator, GTM-National Estuarine Research Reserve</p> <p>_____ Write-in: _____</p>	<p><b>East Central</b></p> <p>_____ Edgar Comellas, Education Area Lead, SeaWorld Orlando</p> <p>_____ Teresa Riedel, Classroom Teacher, Carillon Elementary, Oviedo</p> <p>_____ Write-in: _____</p>
<p><b>Southeast</b></p> <p>_____ Leslie Figg, Dir. of Education, Loggerhead Marinelife Center</p> <p>_____ Write-in: _____</p>	<p><b>Southwest</b></p> <p>_____ Bryan Fluech, Sea Grant Extension Agent, Collier County</p> <p>_____ Diane Lavarello, Classroom Teacher, Riverview High School, Sarasota</p> <p>_____ Tim Oldread, Public Programs Coordinator, Mote Marine Laboratory</p> <p>_____ Write-in: _____</p>

**Snail Mail:**

Jim Wharton  
Mote Marine Laboratory  
1600 Ken Thompson Parkway  
Sarasota, FL 34236

**E-mail:**

Scan form and send as attachment to  
[jimwharton@mote.org](mailto:jimwharton@mote.org)

**Fax:**

ATTN: Jim Wharton  
941-388-4381

# FMSEA REGION REPORTS

## North

FWC will be sponsoring a week long teacher workshop at the Crystal River Marine Science Station this summer-June 18-23. If anyone would like to receive application information please contact George Shipp at [george.shipp@myfwc.com](mailto:george.shipp@myfwc.com). Include your name and snail mail address. This workshop will be limited to 20 people.  
— George Shipp

## Northeast

No report.

## East Central

After 4 years on the board as East Central director, I will be stepping down mainly to allow someone else that may have more time to be able to run a few workshops.

I encourage all members of this region to attend the conference this year and elect one of the two people running for my position. Also make sure we meet up for our region meeting so we can figure out how to steal away that glorious Golden Anchor! Keep pushing to keep Marine Science in the curriculum. — Ted Klenk

## Southeast

Greeting SE Region! We had a good IR meeting last October. Marella Bradway, U of FL Sea Grant Extension Agent and FMSEA member, hosted the meeting at the U of F on Key Biscayne. After the meeting, we toured the Miami Seaquarium, thanks to their Education Manager Sara Shackelford. Mark your calendars for our next IR Meeting - SATURDAY MARCH 3, 2007. The meeting will be held at Florida Oceanographic Coastal Center, followed by our workshop "An informal educator's guide to integrating state standards" conducted by Susan Toth of Pine Jog Environmental Education Center. After that, we'll get a tour the center and enjoy lunch provided by FMSEA. From there, we'll head up to the FPL St. Lucie Power Plant where we'll get a behind-the-scenes look at their sea turtle in-take operation (I've been on this tour and it's fascinating!) with their resident marine biologists. Then we'll head to the Smithsonian Marine Station in Ft. Pierce for a tour of their awesome facility and a little seine netting in the Indian River Lagoon - come prepared to get wet! Lastly, we'll go across the bridge and visit the Manatee Observation Center for a glimpse of the glorious sea cows. Followed, of course, by dinner for those who'd like to continue the hob-nobbing. John and Marti Welch have graciously offered to host a barbecue at their home around the corner from the Smithsonian

and even take us on a little boat ride at the end of the day! A fun-filled day awaits so we hope to see you there! Please RSVP to Leslie with your grade-level/area of focus so we can plan accordingly [leslie@marinelife.org](mailto:leslie@marinelife.org) or 561-627-8280 x105.

The Florida Keys Eco-Discovery Center is now open in Key West! This intra-agency facility introduces the public to the ecosystem of the Florida Keys. Visit [www.fla-keys.com](http://www.fla-keys.com) for more information.

Remember I'm here as your liaison to FMSEA - if you'd like to provide FMSEA literature or membership info to educators you work with, simply let me know how many you need and I will get them to you. Also check the website [www.fmsea.org](http://www.fmsea.org) - it's a good source of information too.

As always, please pass the word about FMSEA to all your colleagues -the more members we have involved, the better we become! Please contact me with any of your FMSEA concerns [leslie@marinelife.org](mailto:leslie@marinelife.org) or 561-627-8280 x105. Hope to see you in Naples! — Leslie Figg

## Southwest

Lorienne Nickelson wishes everyone the best as she finishes her term as Southwest Regional Director and hopes to see everyone at future conferences. Also, please see pages 4-5 for upcoming workshops in in our region. — Lorienne Nicholson

## West Central

Posters entitled *Flowing Ocean: Understanding the Gulf-stream* are now available. Please contact me at (727) 895-7437 or [hrutherford@pieraquarium.org](mailto:hrutherford@pieraquarium.org) if you're interested. Also, please see pages 4-5 for upcoming workshops in in our region. — Howard Rutherford

## Panhandle

The Panhandle region held several collecting workshops this past winter. Several more collecting workshops are in the planning stage for this spring. I am also working on a Wonders of Wetlands course for this spring. Upcoming events in the region are:

- Ocean's Day at the State Capitol, April 18
- FSU Coastal & Marine Lab Open House, April 21
- Pensacola Kids' Fishing Clinic, May 5
- Panacea Kids' Fishing Clinic, May 19
- Panama City Beach Kids' Fishing Clinic, June 2

— Rich Abrams



# FMSEA Officers



## President - 2006-07

Debbi Berger  
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Tampa, FL 33602  
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(813)273-4161 Fax  
dberger@flaquarium.org

## Treasurer - 2004-07

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(772)465-3237 Fax  
diederick@si.edu

## President Elect- 2006-07

Jim Wharton  
Mote Marine Laboratory  
1600 Ken Thompson Parkway  
Sarasota, FL 34236  
(941)388-4441x474 W  
(772)215-6232 Cell  
jimwharton@mote.org

## Membership Secretary - 2006-09

BJ Viers  
1042 Big Pine Key  
Atlantic Beach, FL 32233  
(904)247-5973 W  
(904)247-5976 Fax  
bchguyinfla@aol.com

## NMEA Representative

Jim Wharton  
Mote Marine Laboratory  
1600 Ken Thompson Parkway  
Sarasota, FL 34236  
(941)388-4441x474 W  
(772)215-6232 Cell  
jimwharton@mote.org

## Historian

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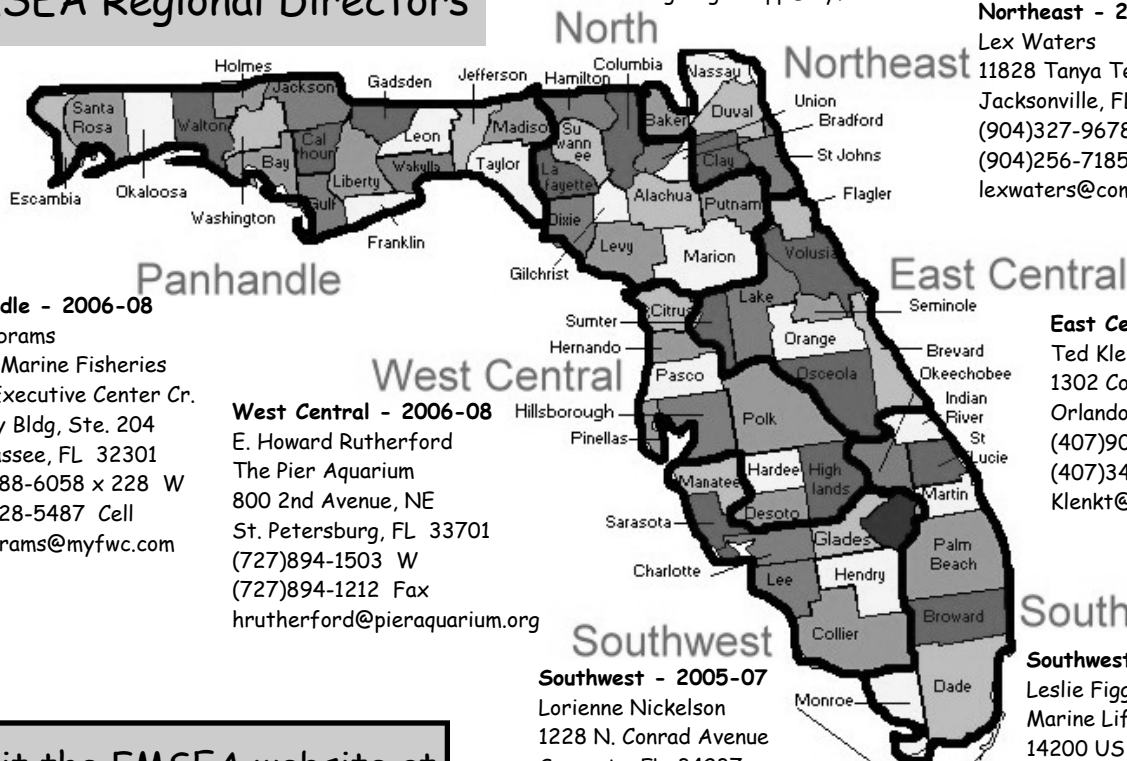
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Visit the FMSEA website at  
[www.fmsea.org](http://www.fmsea.org)

## What is FMSEA?

The Florida Marine Science Educators Association is a nonprofit organization whose members are dedicated to making the public more aware of Florida's fragile coastline through education.

The major role of FMSEA is to provide a medium for the exchange of ideas, information and resources among Florida's marine educators.

FMSEA is a chapter of the National Marine Educators Association (NMEA).



# FMSEA Membership Application

Membership dues are due May 1  
and are good through April 30.

Make checks payable to:  
**FMSEA**

### Fees

Florida Marine Science Educators Association (1 year)	\$20
FMSEA Half year dues (October 1 - April 1)	\$10
National Marine Educators Association (Affiliation Special)	\$35
FMSEA Life Membership	\$140
FMSEA Corporate Membership	\$100

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_

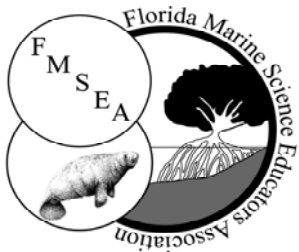
Email: \_\_\_\_\_ County: \_\_\_\_\_

School/Affiliation: \_\_\_\_\_ Subject: \_\_\_\_\_

Membership Type: \_\_\_\_\_ New  Renewal

Would you like to have your contact information included in a FMSEA directory available to other FMSEA members? Yes  No

Mail Application to: BJ Viers • 1042 Big Pine Key • Atlantic Beach, FL 32233



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