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Inside this Issue

- * Congratulations
 - * The Way We Were
 - * EcoCorner
 - * Upcoming Events
- And much more!

University of South Florida
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The Squid's Ink

Notes From the Editors

Well, all good things must eventually come to an end and we feel it is time to hand over the reins as Editors of *SI*. We are sad to say farewell to you all, but we have had a lot of fun doing this over the last 2.5 years, and we hope you have enjoyed reading our version of *SI*. Our thanks go to our fans for their words of encouragement and praise that we have received during our time in these positions, and of course to all of you who contributed items. We couldn't have done it without you!

If you are interested in taking over, please contact us ASAP and we will be glad to pass the torch. It really takes a minimal amount of time each month. If not, this will be the last issue. Good luck to the new editors (whoever they may be).

Bye from Lizz and Jyotika

Congratulations!

Congratulations to Pam and Tracey Sutton. Their daughter, Simone, was born last month.

Congratulations to Haiying Zhang and Charles Crawford on their successful defenses last month.

Congratulations to Carlos DelCastillo who has accepted a position at NASA-Stennis. Congratulations also to Wendy Quigley who has accepted a position in Boston at Coastal Zone Management. We wish you both lots of luck!

Congratulations to the newly elected MSAC Officers: President: Amy Wright; Vice-President: Greg Berman; Treasurer: Beau Suthard. They are still looking for someone to be the secretary, so contact one of the officers if you are interested.

A Warm Welcome

We would like to take this opportunity to welcome the new students to the College of Marine Science. We hope you enjoy your time here, and we hope you get involved and help make this an even better place.

K'wasi Barnes, Elizabeth Fisher, & Ana Hoare (Dr. Hallock Muller), Hali Kilbourne (Drs. Quinn and Hallock Muller), Rebecca Conroy & Yulia Serebrennikova (Dr. Fanning), Rebecca Cunningham (Dr. Blake), Angela Gennaccaro, Julie Havens, David John, & Stephaney Shehane (Dr. Rose), Joge Gomez Moreno (Dr. Muller-Karger), Michael Gray (Dr. Paul), Yonggang Liu (Dr. Weisberg), Alex Moomaw & Billy Reynolds (Dr. Naar), Ester Quintana-Rizzo (Dr. Torres), Karen Sell (Dr. Byrne), and Lauren Wetzell (Dr. Howd)

Attention all students! MSAC is looking for someone willing to commit a little time and energy and become our new Secretary! You don't need any experience, we'll teach you everything you need to know. So if you want to get involved, please contact Amy Wright at awright@seas or 3-1016.

Upcoming Events

September 4, Labor Day

September 13, Full Moon

September 16, Coastal Cleanup and Girls Camp Reunion

September 22, Autumnal Equinox

September 29, Rosh Hashanah begins

Who's Who

By Peter Howd

Last month I told you about Lauren Wetzell, one new face in my research group. Now I would like to tell you about another - Dr. Laura Moore. Laura received her Ph.D. from UC Santa Cruz and has been a post doctoral fellow at WHOI for the past couple years. Laura's research interests are in large scale coastal behavior. Her primary focus here at USF will be in the area of long-term coastal change, working on the integration of lidar surveys with historical measures of shoreline position. There is considerable interest in determining the relative roles of long-term processes, like sea level rise, versus the integrated effects of storms in how coasts evolve over time scales of decades to centuries. Her strong interest in the area of how interannual climate variability is reflected in coastal change should help that along. She will be housed over at the USGS, but expect to see her over here a fair bit.

Publications

Here are some recent publications put out by people in this department

Boehme, J.R. and P.G. Coble. 2000. Characterization of Colored Dissolved Organic Matter Using High-Energy Laser Fragmentation. *Environmental Science & Technology*, 34(15): 3283.

Hallock, P. 2000. Larger Foraminifers as Indicators of Coral-Reef Vitality. For R. Martin (ed.), *Environmental Micropaleontology*, Plenum Press Topics in Geobiology. p. 121-150.

Hallock, P. 2000. Larger foraminifers: Harbingers of global change? *Micropaleontology*, v. 46(Suppl.1): 95-104.

James, N.P., Feary, D.A., Surlyk, F., Simo, J.A., Betzler, C., Holbourn, A.E., Li, Q., Matsuda, H., Machiyama, H., Brooks, G.R., Andres, M.S., Hine, A.C., Malone, M.J., and the Leg 182 Scientific Party. 2000. Quaternary bryozoan reef mounds in cool-water, upper slope environments: Great Australian Bight: *Geology*, v. 28, p. 647-650.

Johnson, Z. and P.A. Howd. 2000. Marine photosynthetic performance forcing and periodicity for the Bermuda Atlantic time series, 1989-1995, *Deep Sea Research Part I*, v. 47, p. 1485-1512.

Walker, S.H., P. Coble, and F.L. Larkin. 2000. Ocean Sciences Education for the 21st Century. *Oceanography* 13(2): 32-39.

MSAC Bar Crawl

By Brooke Palmer

Now that classes have officially begun we all need to remember that a break is needed...so MSAC will be holding the

the First Annual Marine Science Bar Crawl, to be held October 6th. This fun filled event will include many beverage specials, organized transportation to the venues, and pre-crawl munchies. More details will follow. If you have any suggestions, or are interested in participating, please email me at bpalmer@seas as I have to finalize costs. We want everyone to attend! Portions of the money will benefit a conservation organization, to be named shortly.

Calling All Golfers

By Dan Otis

The 1st annual MSAC Open is here! The event will tentatively be held at the Isla Del Sol Golf Course on Saturday, Sept. 23rd at 10:00 a.m. The format is a four person scramble. The green fee is \$32.00, including cart and tax. There will be prizes awarded to the top team. The tournament is open to marine science faculty, students, and staff as well as friends and family. Golfers of all ability levels are welcome and teams will be put together to include a range of ability levels. Following the tournament, a barbecue will be held, most likely at the lounge in MSL.

Before the tournament, I need to know who is planning to attend, so I can put teams together. Please e-mail me at dotis@seas.marine.usf.edu to let me know if you or any friends or family plan to attend. If you have a team in mind that you would like to play with, let me know also. However, please keep in mind that I would like to have teams with a range of ability levels, which include a beginner. Lastly, please let me know if you have any questions or suggestions about the tournament.

Hope to see you on the course!

Girls Camp Reunion

By Nan Schmidt

The Oceanography Camp for Girls will have its fall reunion on Saturday September 16th, to coincide with the Coastal Clean-up in the morning. In the afternoon the alumni campers and the camp staff will have lunch and a get-together at the campus pool. Please join us if you can.

Terms of Endangerment

(Adapted from the Arizona-Sonora Desert Museum Newsletter)

When you hear that a creature or plant has been designated as an "endangered" species, what comes to mind? Something that is rare and near extinction - at risk of disappearing from the earth forever. This is correct, but the term "endangered" is actually a legal designation within the context of the Endangered Species Act. Rare plants and animals may be afforded legal protection in many ways. Here are some commonly used terms to classify species:

Endangered - Any species that is in imminent danger of extinction throughout all or a significant part of its range.

Threatened - Any species that is likely to become endangered within the foreseeable future.

Listed or Listing - A term that describes the formal process by which the United States Fish and Wildlife Service adds species to its list of endangered and threatened wildlife and plants.

Protected - A term that refers to an organism that has legal protection, and

may or may not be listed as endangered or threatened.

Closed Season - An agency may use this device to disallow hunting or fishing of species considered in need of protection, even though they may not be listed in any of the ways described above.

Extirpated - Localized or regional extinction.

The Way We Were

By Nan Schmidt and Jyotika Virmani

For those of you who feel like you are getting old (as yet another crop of young-looking new students arrives), consider the following. We stumbled upon an old photoboard of the Department of Marine Science in 1980; it now resides in Bob Jolley's office if you want to have a look (but you may need to bribe him). Here are some interesting things we noticed.

1. All the photos are in black and white (had they not invented color photography by then?)
2. There were 17 faculty members in total then, compared to the 27 we will have by the end of next year. This is an increase of about 40%.
3. Of the 17 faculty, there were no women. But now, out of the 27, there will be five women. So women faculty now represent 18.5% of the faculty of the College of Marine Science, compared to 0% of the faculty in 1980.
4. Of the 17 faculty from 1980, nine are still faculty in this College (in other words about 33% of the current faculty have been here for at least the last 20 years).

5. In 1980, there were 40 graduate students in the department. Now we have 127. The student body is three times bigger now (hee hee).

6. Of the 40 graduate students in 1980, at least 13 are still in the Tampa Bay area, and four of them are still here in Marine Science or at USGS (can you guess who?). Of the 12 staff members of the Dept. of Marine Science in 1980, one member is still working here.

7. We are not sure of the MS/PhD breakdown in 1980, but we know there was at least one PhD student. In 2000/2001 there are 68 MS students and 59 PhD students.

8. Of all the students in 1980, two were women (that's a ratio of 1:20 female:male students). Now the ratio is close to 1:1, with 53% of the students being female.

9. In 1980, the faculty:student ratio was 1:2.3; in 2000/2001, the ratio is 1:4.7.

Web Sites for Eagles

By Gabe Vargo

(Adapted from the Boyd Hill Newsletter)

During the summer, eagles migrate northward and are rarely seen in this area. So, to tide you over these months, here are some eagle related web-sites.

1. www.orlandosentinel.com/projects/eagle/learn/index.htm is the Orlando Sentinel Online: Florida Eagle Watch website. This site contains eagle facts, where they can be seen in Florida, an eagle cam on a nest maintained by the Audubon Center for Birds of Prey, and several Quicktime movies. There are also several other links to other bird web sites.

2. www.eaglewatch.com/

theeaglecam.htm is the Eaglewatch: Live Eagle Cam website. The eagle cam is focused on a perch inside an enclosure with two captive eagles. It is located at Reelfoot Lake State Park Visitor's Center in Tennessee.

3. www2.uscs.edu/~scpbrgl is the Santa Cruz Predatory Bird Research Groups' website. This site is filled with facts about a variety of raptors and the various research projects being undertaken. Several of these projects involve tracing the movements of several types of raptors using satellite transmitters so there are maps of migration movements available. The site also contains educational programs, a Learning web site with photos, facts, and quizzes suitable for children of all ages.

4. www.ris.idbsu.edu/ is the web site for the Raptor Information Center maintained by the USGS Biological section for the Snake River Field Station. It contains lists of projects relating to raptors that are being carried out at this station. The projects include studies of kestrels, Golden eagles, Bald eagles, and Prairie Falcons. Each contains great photos and interesting ecological facts. It also has many links to other bird and raptor sites.

5. www.state.fl.us/fwc/ is the homepage for the Florida Fish and Wildlife Commission. This website has maps of migration routes for local Florida juvenile eagles using the Argos satellite transmitters.

By Jen Jarrell

“A beacon in the smog”

If you're interested in receiving a daily digest of briefings concerning environmental issues in the news, the DAILY GRIST is a great source. You can keep up with relevant issues without spending a lot of time. The digest provides a brief description of newspaper articles throughout the country with links to the entire article (if you're really interested).

To subscribe to DAILY GRIST, go to <<http://www.gristmagazine.com/grist/daily/>> or send a blank email message to <daily-grist-subscribe@egroups.com>.

Gloom and doom with a sense of humor. Impossible, you say? Nah. Visit GRIST MAGAZINE, a beacon in the smog, at <<http://www.gristmagazine.com>>. GRIST MAGAZINE is a project of Earth Day Network, <<http://www.earthday.net>>.

Random Notes

Here are several small tidbits of information that might be of use to you:

The annual International Coastal Cleanup is on Saturday, September 16th and we're looking for volunteers. For more details contact Amy Wright (3-1016 or awright@seas). Volunteers will get a free Brita water filter.



Don't forget: the new logo for the College of Marine Science can be found at: seas/usr/local/doc



David Naar has a few copies of the Ocean Drilling Program CD-ROM called Gateways to Glaciations, and includes a video tour of the Joides Resolution. They are available on a

loan basis. Let him know if you want to check it out. They *should* be viewable on both mac's and pc's but one pioneer, Amy Wright, has discovered problems which are being addressed by the distributors of the CD-ROM at the Joint Oceanographic Institutions Office. Hopefully, there will be no other problems in being able to read these CD-ROMs.



Between 1886 and 1993, there were 532 tropical storms and 348 hurricanes during August and September in the Atlantic Ocean, Caribbean Sea, and Gulf of Mexico. All the other months combined showed a total of fewer storms of each kind.

The Squid's Ink "Staff":
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Contributors to This Issue: Peter Howd, Jen Jarrell, Dave Naar, Dan Otis, Brooke Palmer, Nan Schmidt, Gabe Vargo, Amy Wright

A Fowl Story

This is a real story taken from...

Warning: Killing birds may hurt town's publicity. By Frank Cerabino, Palm Beach Post Staff Writer

News item: Earlier this month, an Atlantis police officer shot and killed a peahen. The peacock mate to the deceased bird is still at large and the chicks are in custody.

Q: I thought Atlantis was a bird sanctuary. Isn't there a city ordinance that says it's "unlawful to trap, hunt, shoot, molest, or attempt to do so, any bird, wild fowl, or wildlife"?

A: Yes, but Ordinance #21, Section 3-16 (c) gives the police chief the authority to destroy any wildlife in the city if it's deemed to be a nuisance to residents or their property.

Q: Such as . . . teenagers having wild parties?

A: Um, I'll have to check that out.

Q: If any bird can be eliminated on the basis of it being deemed a nuisance, what are the chances the cops will bag a few snowbirds this winter?

A: I think that would depend on how many registered voters sign the petition. Also, I think the police would be obligated to try to trap the snowbirds first.

Q: Any ideas on how to do that?

A: A buffet table and a big net.

Q: Getting back to the peacocks, if they were such a nuisance, why hasn't anybody been able to trap the male for the past two weeks?

A: That just shows you how annoying these peafowl can be. Not only do they occasionally poop on a patio or squawk during nap time, but also, when you try to catch them, they disappear.

Aggressive or docile?

Q: But I thought these were supposed to be aggressive birds. Didn't one woman say she was afraid to go outside to get her mail because of the peacocks?

A: Stories conflict. Some people said they were afraid of these birds, while others said the birds were so docile they could be fed by hand, and would run into the brush if they felt threatened.

Q: So it sounds more like a people problem than a bird problem, doesn't it?

A: Yes. In fact, Mayor William Howell squarely puts the blame on the city's "Good Samaritans," who coddle wildlife and then complain to local TV stations when birds in a bird sanctuary get hunted and killed by police.

Q: Wait a minute. Doesn't he have it backwards? Why would the mayor blame people who enjoy co-existing with birds in a bird sanctuary, rather than those who foolishly experience peacock panic, probably because they grew up in a place where a bird was something you gave a bad driver?

A: It's a balancing act. Are some people in the city foolish for being afraid of the peacocks? Certainly. But do they also have a right to be foolishly afraid? Absolutely. So what we have to do is figure out what is more valuable to preserve: the life of an animal, or the foolish fears of people? Given this choice, it's clear why the order to kill was given.

A difficult lesson

Q: And so the only ones in the city who should hang their heads in shame are the people who enjoy living among peacocks?

A: Now you're beginning to understand. I think Mayor Howell summed it up beautifully in his "Mayor's Corner" column in the city newsletter. "Let's hope that all concerned can learn a lesson," he wrote. "One person's charity can be another person's problem. Negative publicity in the City of Atlantis is everyone's loss!"

Q: So, in the end, it's not about whether it was necessary to kill a beautiful bird in a bird sanctuary, a bird that many people saw as a benefit, rather than a detriment to life in Atlantis?

A: I see you've learned the mayor's lesson well. Now, how can you get some good publicity for Atlantis?

Q: How about taking down the bird sanctuary sign? After the peacock incident, it sounds hypocritical.

A: Get rid of the bird sanctuary sign? Are you crazy?! That sign is great for real estate values.

Contributors:

the text box shading to improve the print quality. Can that be done?

A: Yes. To change the shading or color of a text box, select it and double click its borders to open the Format Text Box dialog box. Click the Colors and Lines tab and then choose the new color from the Color drop-down list in the Fill section.

Q: What's the best way to print this newsletter?

A: Print page 2 on the back of page 1. Fold in half and mail with or without an envelope. For best results, use a medium to heavyweight paper. If you're mailing without an envelope, seal with a label.

Q: I would like to use my own clip

Q: I would like to change some of