



Wind Energy Caught in the Perfect Storm*

by Sarah Cooksey and Kristen Fletcher

The American Wind Energy Association pulled together industry representatives, coastal managers, environmental nonprofits and academics on September 9 and 10 to discuss the challenges in developing an offshore wind energy industry in the US. Comments on the Minerals Management Service offshore alternative energy proposed rule were due at midnight on September 8, adding to the drama surrounding the development of this nascent industry.

One meeting participant described offshore wind power as caught in the “perfect storm” of coastal issues. Even with its attraction as a renewable and relatively clean energy source, the introduction of offshore wind to our ocean and coastal areas does indeed raise a perfect storm of legal, policy and practical challenges.

In the era of rising sea levels, increasing development pressures on the coasts, erosion, fisheries and water quality issues, coastal managers in the U.S. are familiar with a confluence of complex issues. Those raised by offshore wind are not insurmountable but with budget crises at the state and federal level, the capacity for governments across the U.S. to efficiently manage this new use, along with the myriad existing uses and natural resource depletion, is shrinking.

At the meeting, the U.S. Offshore Wind Collaborative, a group of government, industry, nongovernmental and research organizations attempting to catalyze the sustainable development of offshore wind energy in U.S. waters, convened a group of participants to talk with representatives of coastal states.

continued on page 4

TCS21 Redux

by Sarah Fischer and Michelle Portman

This being a conference year for TCS, we thought it appropriate to “return” to early July, for some further discussion of TCS21. By request, two conference attendees were kind enough to provide highlights of the opening and closing plenaries. Michelle Portman offers an overview of the opening plenary, while Sarah Fisher gives us some insight into the closing plenary. We heard many requests for a citation on the poem that Angela Park read at the end of the conference, Marge Piercy’s “To be of use.” While copyright laws prevent our publishing the poem in the Bulletin, it is well worth following this link, www.northnode.org/poem.htm to read it yourself! It’s part of a collection of Ms. Piercy’s poems, published as *Circles on the Water*. Ms. Park’s message about the interdependence of the coastal community was a jumping off point for a deeper discussion on leadership needs, provided by Tali Engoltz and Kristen Fletcher on p. 10.

The TCS21 Opening Plenary: What color is Your Port?

How do the topics of environmental impact mitigation, port operations and coastal planning relate to each other? This was the focal question addressed by the speakers of the conference’s opening plenary. They did so in a way that enlightened, inspired and entertained.

Dr. Geraldine Knatz, Executive Director of the Port of Los Angeles delivered the Marc Hershman Memorial Keynote address. Hers was a deeply moving speech, filled with fascinating personal anecdotes; it prompted a standing ovation. Dr. Knatz began by explaining how Marc Hershman influenced her

continued on page 5

INSIDE

Message from the President.....	2
Editor's Desk.....	3
NewsNotes.....	6
Award Winning Moments.....	8
Leadership.....	10
Emmer Tribute.....	11
Chapter Updates.....	12
TCS21 Sponsors.....	13
Upcoming Conferences.....	14
Board of Directors.....	16



Speaking of Leadership and the Coasts...

Soon after TCS came together this summer at the 21st Coastal Society Conference in Redondo Beach, Democrats and Republicans held their conventions, chose their presidential nominees, and began debating the future of energy development in the outer continental shelf. No matter where we, as individuals stand on the candidates or the issues, it is clear that the coasts are in the spotlight.

It is highlighted by recent responses from Senators Obama and McCain to a group of journalists, scientists and citizens calling themselves "Science Debate 2008." Using the campaigns as an opportunity to highlight the importance of science to our nation and to challenge the candidates to show their understanding of the role of science in solving complex problems, this group sent fourteen priority questions to the candidates. Question 9 focused on ocean health and read:

Scientists estimate that some 75 percent of the world's fisheries are in serious decline and habitats around the world like coral reefs are seriously threatened. What steps, if any, should the United States take during your presidency to protect ocean health?

Senator Obama responded that "As president, I will commit my administration to develop the kind of strong, integrated, well-managed program of ocean stewardship that is essential to sustain a healthy marine environment.... I will work to reauthorize the Coastal Zone Management Act in ways that strengthen the collaboration between federal agencies and state and local organizations."

Senator McCain responded that "The environmental health of the oceans and the Great Lakes is a complex, multi-faceted issue requiring attention and action from numerous perspectives. It requires effective coastal zone and watershed management, both point and non-point water pollution management, and more effective fisheries management."

These responses, along with the increased public attention to the value of coastal resources and the increased vulnerability of coasts in the era of climate change, give cause for hope. When it comes to leadership for the coasts, it is our job to reach out to new partners, to craft more creative solutions for coastal issues, and to examine our role as professionals and as individuals. As noted in the article on leadership on page 10, we were challenged to act in the closing plenary at the conference and to find ways for TCS to have an impact on leadership development in the best interests of the coasts.

What can you do? Send an email to TCS with an idea of how TCS can affect change, develop leaders, and reach out to new partners. And, this fall, exercise leadership as a citizen: vote.

Sincerely,
Kristen M. Fletcher
TCS President



As I write this column, the \$49 million Sant Ocean Hall at the Smithsonian's Museum of Natural History is opening to the public. I had an opportunity to preview the exhibits at a press briefing a couple of days earlier. It is a place of marvelous airy space, with newly restored 54 foot-high ceilings returning to its original Breaux Arts design, at the same time that it is filled with whiz bang technological gadgets. Not to mention a life size model of a right whale named Phoenix, a 24-foot-long giant squid, and the world's only display of a coelacanth adult and pup. There are touch screens galore--all properly working right now at the start; let's just hope that they've got a great repair team on hand--NOAA's "Science on a Sphere," a 6-foot-diameter, 3-D globe displaying ocean currents and other data; just developed high tech gel preserving that giant squid and an 1800-square-foot theater that takes visitors hundreds of feet below the ocean surface with "Deep Ocean Explorers."

With 12 high-def screens set high on the walls screening underwater images and display cases full of eye-catching wonders, including one working Indo-Pacific coral reef with living marine wildlife, the Smithsonian is working hard to catch their audience up in learning and caring about the ocean—but they're also trying to educate viewers to the myriad problems facing our home waters. If you live in metro Washington, DC or find yourself in town on a visit or business, it's well worth making the trip—once. Professionals in the field of coastal management are going to learn little that they don't already know, but you are likely to enjoy the spectacle of it all. Even better; recommend it to those who are less familiar—so they can enjoy and learn and spread the word.

Meanwhile, the U.S. presidential election is fast approaching. With less that a month remaining, the economy is front and center in the electorate's mind. Nonetheless, as the Joint Ocean Commission Initiative recommended just this September, "The new administration must lead Congress and the states toward immediate action and real solutions to the challenges facing our coasts and Great Lakes, reestablishing the United States as the preeminent steward of ocean health and vitality."

Furthermore, they elaborate that, "It is imperative that the next administration pursue a coherent strategy for managing federal ocean programs and substantially increase investment in ocean science so that our public and private leaders have the knowledge and resources necessary to make informed decisions. Finally, given the global scope of ocean problems, and their importance to our national and economic security, it is essential that the U.S. reclaim its role as a leader in international ocean issues."

http://www.jointoceancommission.org/news-room/news-releases/Changing_Oceans,_Changing_World.pdf

- Ellen Gordon
TCS Editor



Chip Clark, Smithsonian Institution



continued from page 1

This type of conversation proves useful for industry and government alike as coastal states are on the front lines of the development of renewable energy in coastal and ocean waters.

Thirty-four coastal states and territories have been granted authority under the Coastal Zone Management Act (CZMA), which is due for reauthorization by Congress. Setting national policy for conserving and managing the nation's coastal areas and providing funds for states to develop Coastal Programs, the CZMA also grants states "consistency authority"--the authority to require federal (and federally-permitted) projects to be consistent with the state's approved Coastal Zone Management Program.

Thus, these programs are vital to the emerging offshore wind industry, as they must review the appropriateness of this new activity under the state Coastal Program and, if appropriate, incorporate it into a crowded coastal area which might include habitat and water quality changes, land-based construction and support, and the displacement of other uses. At the federal level, the Minerals Management Service proposed rule attempts to address some of these elements while laying out the process for exploring, constructing and developing alternative energy offshore. A final rule is expected by the end of the year.

Even when the rule is finalized, the fact that management for the nation's coastal areas is woefully under funded threatens to hinder the development of the offshore wind industry. It is estimated that the U.S. spends 40¢ per person per year on coastal management. This is in sharp contrast to the contribution of coastal counties each year, which the National Ocean Economics Program estimates in the trillions. With wind farms promising revenues from a clean source of fuel, the pressure to increase coastal management capacity is rising.

With this perfect storm in mind, policymakers must consider how to do more with less. States receive some funds from offshore energy sources through revenue-sharing but not many of these funds are directed back into the coastal area that is affected. Designating these funds for Coastal Programs, habitat restoration, and coastal community needs is essential for increasing the capacity of states to manage existing and emerging uses.

Private and governmental research also can be designed and implemented more effectively. Designing a research portfolio to gather data and information necessary for determining the proper location for a wind turbine, the laying of transmission lines and the onshore entry of those lines may also serve to provide the state with information

necessary to plan for a coastal community's adaptation to climate change and rising sea levels. Imagine the cost savings of research designed to answer the needs of a renewable energy company and those of coastal managers.

Finally, the willingness of policymakers to come together regionally to make decisions about the future of off-shore energy will allow for the pooling of resources--both financial and human--to craft solutions, learn lessons from other industries and states, and move forward with effective management rather than ad hoc placement of turbines (or oil platforms or aquaculture cages or...).

Few would argue against the development of cleaner sources of energy, but offshore wind energy has an opportunity: in the midst of a perfect storm of authorities, regulation, competing uses, and depleted natural resources, the wind energy industry has the opportunity to teach government, the public and other industries how to do more with less and leave a positive footprint on the coasts.

*This article adapted from an opinion article originally published in the Delaware News Journal on Sunday, September 14, 2008 and comments offered at the American Wind Energy Association Conference, Wilmington, Delaware, September 9, 2008.

Kristen M. Fletcher is Executive Director of the Coastal States Organization in Washington DC and President of The Coastal Society.

Sarah W. Cooksey is the Administrator of the Delaware Coastal Programs in the Department of Natural Resources and Environmental Control. Cooksey also serves on the Executive Committee of the Coastal States Organization.



Bob Goodwin

TCS attendees sharing experiences.



continued from page 1

work and how she came to know him. Then she described the development of her career and a few of the many challenges faced in her field. She stressed the importance of attending conferences and networking with other professionals. From Dr. Knatz's introductory speech it was clear that at the same time that protecting all aspects of the environment became paramount in the 1970s and '80s, especially in California, port activities expanded and tensions grew. Dr. Knatz touted the recent successes of the Port of Los Angeles both in economic terms and in environmental protection policies.

Other speakers included Vivien Li, Heather Mantz, Steven Goldbeck and Patricia Castellanos. These four participated in a panel format, each giving a short presentation while Jack Wiggin, Director of Urban Harbors Institute in Boston and a TCS Board member, moderated.

As Executive Director of The Boston Harbor Association, the leading advocacy group working to promote a clean, alive, and accessible Boston Harbor, Ms. Li knows how contentious some of the issues of port development and environmental quality can be. She led the audience through a "virtual tour" of Boston's working waterfront, highlighting some of the port's greatest environmentally-friendly innovations as well as sites that still have a long way to go.

Heather Mantz gave a brief overview of the Port of Virginia's operations and environmental programs. As the Port Authority's chief Environmental Officer, Ms. Mantz made clear how managers of this port, the 3rd largest on the East Coast and 7th largest in the nation, take environmental concerns seriously. She briefly described the port's environmental management system certification program (ISO 14001), talked about emissions control under heavy cargo transport demand and outlined commitments to give back to the surrounding community through various amenities.

Steve Goldbeck, Deputy Director of the San Francisco Bay Conservation and Development Commission presented an example of how operating as a "Green Port" helps the environment, and can also aid in reducing opposition and supporting diverse coalitions needed for successful projects. He expanded on this point with an overview of some San Francisco Bay dredging issues and channel deepening projects (for navigation) in the Port of Oakland. For a detailed example, Mr. Goldbeck explained how mounding and turbidity issues in San Francisco Bay in the 1980s resulted in "mudlock" that was eventually resolved by the innovative Long Term Management Strategy program centering on the successful reuse of dredge materials to

restore wetlands.

Patricia Castellanos is Chair of the Coalition for Clean and Safe Ports, an alliance of environmental, labor, faith-based, community and public-health organizations working to promote sustainable trade at the Los Angeles and Long Beach Ports. Ms. Castellanos reminded all that ports must serve the communities within which they function. While local populations benefit from port-related jobs, they also suffer environmental hazards from port operations. One example from Ms. Castellanos presentation that illustrated the type of dilemmas facing communities; landside cargo traffic causing gridlock on roads and fouling air quality. These are daily, growing problems and they must be addressed.

The audience came away with lessons learned about the challenges of making ports "greener," about the importance of communities and of public participation and ultimately, about the interface between land and sea in all of its manifestations: economic, natural, and societal. The opening plenary, Green Ports: Addressing Environmental Impacts of Working Waterfronts successfully laid the groundwork for the many intriguing topics that followed throughout the conference.

Closing Plenary Overview: Secrets to Success

The field of coastal management is in the midst of change. As more experienced hands retire and new individuals enter the field, it is increasingly important to ensure that coastal professionals have the necessary leadership skills. This year, the closing plenary session for The Coastal Society's 21st International Conference was entitled, "Developing Inspired Leaders: Secrets to Success from Renowned Coastal Professionals."

With infectious energy and inspiration, the Keynote Speaker Angela Park, founder and Director of Diversity Matters: Changing the Culture of Change, addressed not only the importance of leadership during this time of transition for our field but also the urgent need to ensure diversity. Ms. Park challenged TCS21 participants to think creatively about the future role of individuals and organizations in positively impacting coastal management. Making the plenary session interactive, Angela asked the audience to identify--among other thoughts--steps The Coastal Society should take related to its role in providing leadership training and serving as a bridge between disciplines and generations within the coastal community.

Following Ms. Park, the panelists, Dr. Amber Mace, Executive Director of the California Ocean Science Trust, Meg

continued on page 9



U.S. House of Representatives Passes No Child Left Inside (NCLI) Act

The bi-partisan vote of 293 to 109 for the No Child Left Inside (NCLI) Act is a show of support by the House of Representatives for the importance of outdoor education and environmental literacy. This bill, sponsored by U.S. Rep. John P. Sarbanes of Maryland, is designed to help states provide high-quality outdoor and environmental instruction. The legislation is intended to fix the unintended consequences of the No Child Left Behind Act by keeping public schools from becoming too narrow in their focus on standardized testing and by restoring the rich and academically challenging experiences outdoor education provides. Nature provides a powerfully motivating classroom. Children will carry the lessons they learn outdoors for the rest of their lives. Source: Chesapeake Bay Foundation, www.cbf.org/site/Pageserver?pagename=act_sub_action-center_federal_NCLB

U.S. House Passes Energy Bill

In late September, the U.S. House of Representatives passed the Comprehensive American Energy Security and Consumer Protection Act, H.R. 6899, by a vote of 236-189. The bill permits oil and gas drilling between 50 and 100 miles from the coast if the relevant state enacts a law allowing such activity, which would still be subject to applicable laws and CZMA consistency provisions under Section 307. It does not provide for a share of the royalties from that drilling to go to the producing states. The legislation also permits the federal government to conduct drilling activities beyond 100 miles, but it does not lift the current ban on drilling in the eastern Gulf of Mexico off the Florida coast, allow drilling on the Georges Bank, or in National Marine Sanctuaries. H.R. 6899 provides for oil shale mining on federal lands at each state's discretion and proposes major incentives for renewable energy, building efficiency and advanced technologies for coal-fired power plants. Additionally, the bill would establish new ethics requirements for the Minerals Management Service as a result of the recent Inspector General report. The bill has been referred to the Senate. Excerpted from CSO Weekly.

Bush Proposes Protections for Pacific Islands, Atolls and Reefs

Last month, U.S. President Bush signaled his intention to protect some of the Pacific Ocean's most remote islands, atolls, and coral reefs from fishing and deep-sea mining by sending a memo to three Cabinet secretaries asking for protection in specific ocean areas. His plan would protect parts of the Mariana Trench, as well as waters around

Rose Atoll in American Samoa and various islands and reefs in the central Pacific that are under U.S. jurisdiction. The proposal could establish marine sanctuaries or national monuments extending as far as 200 miles from each island or from each emergent reef that breaks the surface of the water. The proposed monuments in the Pacific are expected to face resistance from commercial and recreational fishing interests. Gov. Benigno R. Fitial of Saipan, the capital of the Commonwealth of the Northern Mariana Islands, has already written a letter to President Bush opposing new protections around the northernmost islands and the adjacent trench. Yet the Saipan Chamber of Commerce has rallied around the idea, saying that designating the Mariana Trench Marine National Monument would bring needed tourism to the financially struggling commonwealth. Source: Kenneth R. Weiss, Los Angeles Times, August 26, 2008, <http://www.latimes.com/news/print/edition/asection/la-na-islands26-2008aug26,0,1812192.story> CNN, Bush May Seek Protection for Island Chains, August 23, 2008, <http://www.cnn.com/2008/US/08/23/marine.protection.ap/>

Protection Zones in the Wrong Place to Prevent Coral Reef Collapse

According to a study led jointly by Newcastle University and the Wildlife Conservation Society, "no-take areas" areas set up in the Indian Ocean to protect fish stocks are not preventing coral reefs from collapsing or helping to speed their recovery. Per Dr. Nick Graham of Newcastle University's School of Marine Science and Technology, the reason is that many of these non-fishing areas are located in warmer waters where coral reefs have a harder time surviving when temperatures rise suddenly. The study, published in PLoS ONE, looked at 66 sites across seven countries in the Indian Ocean from 1994-2004 to compare the before and after effects of the 1998 El Nino, in which sea surface temperatures rose substantially and caused widespread coral death. The findings also show that corals are not protected as some scientists thought they would be by the setting of fishing limits, which keep boats and people out of fragile areas. Nine protected areas varying in size from 1-14 square kilometers in the Seychelles and off the coasts of Kenya and Northern Tanzania experienced a boost in fish stocks, but little benefit for corals. Instead, coral was rebounding much faster in areas with cooler waters in Southern Tanzania, Reunion Island and Mauritius--all areas with very few of the protected zones set up in the 1960s and 1970s. The findings do not suggest existing protected areas should be scrapped, Dr. Graham said, but do point to a need to focus conservation efforts on faster-recovering areas and to manage

continued on page 7



the system as a whole. Excerpted from ScienceDaily, August 28, 2008, <http://www.sciencedaily.com/releases/2008/08/080826205932.htm>

Farming Better Fish

Cliff Goudey, the director of MIT Sea Grant's Offshore Aquaculture Engineering Center, believes that instead of sending boats far offshore to fish for weeks on end, swimming fish should be brought right to port. He has devised a system by which giant spherical cages of fish would drift underwater in circular ocean currents, or gyres. Goudey figures he can time the growth of the fish with currents so that by the time the fish are fully grown, the cages would drift close to major markets. His ultimate goal: to relocate fish farming, or aquaculture, from sensitive and expensive coastal areas to the open ocean to meet the demand for seafood, which continues to grow at double the rate of the world's population. Fishery production worldwide leveled off in the 1970s and has stayed flat. The UN's Fisheries and Aquaculture Organization says three-quarters of the world's fisheries are either fully or overexploited. According to Dr. Carl Safina, Pew Fellow, author of [Song for the Blue Ocean](#), and founder of the Blue Ocean Institute, only the United States, Australia, and New Zealand have reasonably good fishery management. "The results speak for themselves," he says. "It's a global catastrophe." Source: Jonathan Fahey, Forbes.com, September 24, 2008, http://www.forbes.com/2008/09/23/aquaculture-fish-farms-tech-sciences-cz_jf_0924fish_print.html

Water-Themed Resort Boosts Dubai's Tourist Aspirations

Dubai, one of seven emirates making up the United Arab Emirates, boasts a new resort billed as unique in the Middle East: the ocean-themed Atlantis, where a night will cost up to 25,000 dollars. Inspired by the legend of the lost continent, the resort offers "experiences that are new to the Middle East," said its president and managing director Alan Leibman, in line with the emirate's drive to become an extravagant tourist destination. The first guests were welcomed in September at the site on Palm Jumeirah, one of three palm tree-shaped man-made islands emerging off the coast of Dubai. "Aquaventure," a water playground of over 18 million liters of water features water slides with names such as "Leap of Faith," including two which catapult riders through shark-filled lagoons. Atlantis' marine habitat will be stocked with thousands of marine animals and include a "Dolphin Bay."

U.S. EPA Releases Final Strategy to Reduce Climate Change Effects on Water Resources

On October 2, the U.S. Environmental Protection Agency's (EPA's) water office released a final strategy that outlines actions to manage programs and invest resources aimed at reducing adverse effects on water from climate change. National Water Program Strategy: Response to Climate Change reports that climate change is likely to increase certain water pollution problems, have a significant impact on coastal states, and change the availability of drinking water. In examining climate change effects, the study divides water program responses into five areas: adapting to climate change; conducting climate change-related research; managing water problems; educating water program professionals; and reducing greenhouse gas emissions. Excerpted from CSO Weekly, <http://www.epa.gov/ow/climatechange/>.

Supreme Court To Decide Multiple Environmental Cases This Term

The Supreme Court is convening for a new term that is filled with environmental cases; the justices will examine nine disputes. On October 8, the Court begins hearing oral arguments on two environmental cases: *Winter v. Natural Resources Defense Council* and *Summers v. Earth Island Institute*. In *Winter*, the justices will hear arguments from environmental groups and the Navy regarding the effects of sonar exercises on whales off the California coast. In *Summers*, the Court will decide whether environmental groups have standing to contest a series of Forest Service regulations. Later this term, the Court will examine cases exploring Clean Water Act (CWA) permits, the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and the National Environmental Policy Act (NEPA). Excerpted from CSO Weekly. To view the Supreme Court docket: <http://www.supremecourtus.gov/>

Northwest Passage and Northern Sea Route Both Open

Leading ice experts in Europe and the United States for the first time have agreed that a ring of navigable waters has opened all around the fringes of the cap of sea ice drifting on the warming Arctic Ocean. While currents and winds play a role, scientists say, the expanding open water in the far north provides the latest evidence that the Arctic Ocean, long a frozen region hostile to all but nuclear submariners and seal hunters, is transforming in summers to more of an open ocean. This is the first recorded occurrence of the Northwest Passage and Northern Sea Route both being open at the same time. United States National Ice Center and the National Oceanic and Atmospheric Administration. www.natice.noaa.gov/press_release/index.htm



Award Winning Moments

It is a tradition at each TCS conference to bestow awards on individuals who merit special recognition for their efforts to advance The Coastal Society and the field of coastal management in general. At TCS21, President Kristen Fletcher presented the following awards to 5 very deserving recipients. We applaud their very fine work and dedication.

The Robert W. Knecht Award for Professional Promise is given to a rising professional in the field of coastal and ocean management who, in their early career, best emulates the vigor, dedication, vision and generosity of Bob Knecht...to **Lisa Schiavinato**, who has served TCS and the coastal community for a number of years, offering quiet yet consistent leadership to those fortunate to work around her, from legal support to coastal Louisiana after Hurricanes Katrina and Rita to coastal land use and sustainability policy in North Carolina.

The President's Award is offered to a Society member who has given unusual service to the Society...to **Susan White**, who took the ideas and foundation laid by TCS Board members preceding her and created results. Over the last year, she served as Chair of our Membership Committee during a time of change and flux and is leading the conversation on leadership for the coastal community.

Another **President's Award** goes...to **Christine Patrick**, who as co-president of the URI Student Chapter, earned the respect of her student and professional peers and has quickly transitioned into a leader on the TCS Board of Directors and within the coastal community.

Our **Outstanding Service Award** goes to a public figure for exception accomplishments related to the purposes of the Society...to **Robert Bailey**, who has dedicated himself to coastal management, seeing it through its infancy and into adolescence, serving the citizens of Oregon for many years as a City Commissioner, land planner, and Manager of the Oregon Coastal Program. More recently, he has led the states in rethinking the Coastal Zone Management Act, all the while maintaining close relationships with colleagues and friends and helping his son run for public office.

The Distinguished Service Award for dedication to the Society; the words to focus on are distinguished, service and dedication...goes to **Robert Goodwin**. Charter TCS member, board member, colleague, mentor, friend and family, Bob has served TCS in more ways than any of us truly know--seeing it through changes in leadership, membership, mission and purpose. His service in his career went well beyond TCS, of course, offering vision to coastal management in the State of Washington and education, outreach, and research at Washington Sea Grant and the University of Washington.

Although not part of our "official" panel of awards, two students did receive special recognition in attending TCS21. **Diana Pietri** of the University of Washington and **Tiffany Smythe** of the University of Rhode Island were selected to receive **Marc J. Hershman Travel Scholarships**, sponsored by Taylor and Francis, publisher of the Coastal Management Journal.

Furthermore, we want to recognize those students who received TCS Student Awards. The **Thomas Bigford Best Student Paper** went to **Diana Pietri**, University of Washington, School of Marine Affairs. The **Thomas Bigford Best Student Poster** went to **Jenna Borber**, Oregon State University, College of Oceanic and Atmospheric Sciences. The **Sea Grant Association Award for Best Student Paper** went to **Amanda Argentieri**, Roger Williams University School of Law. Congratulations to all of you!



Carolynn Box

TCS21 Award Recipients.

continued from page 5

Caldwell, JD, Interim Director of the Center for Ocean Solutions and Senior Lecturer and Director of Environmental and Natural Resources Law and Policy at Stanford Law School, and Dr. Michael Orbach, Professor of Marine Affairs and Policy for the Nicholas School of the Environment and Earth Sciences at Duke University each bravely offered honest insights into their own experiences, recounting challenges they've encountered. Emphasizing the importance of social networking, they urged TCS21 participants to "think outside of the box" about the connections they were making; to start talking with people who are not necessarily in their same field. They shared their strategies for achieving goals, including, e.g., volunteering to take notes at meetings in order to get into the room.

It is hoped that this closing plenary was not just the conclusion to TCS21, but rather a starting point for more discussions, workshops and trainings offered by The Coastal Society.

Michelle Portman is a postdoctoral fellow at the Marine Policy Center of Woods Hole Oceanographic Institution in Woods Hole, Massachusetts. Her current research focuses on the following topics: the relationship between fisheries stocks and marine-related land use change, the permitting of offshore renewable energy facilities, and human dimensions of coastal shoreline change. Mportman@whoi.edu

Sarah Fischer has ventured out on her own and is the principal of Fischer Consulting. She has over 10 years of marine conservation experience, working at the NOAA National MPA Center, the NOAA Coastal Services Center and the Monterey Bay Aquarium Research Institute. She is happiest with her feet buried in warm sand, watching perfect waves roll in one after another. Fischer.Sarah@gmail.com



Paul Tricco

TCS21 attendees enjoy a laugh.



Leadership Questions Facing Coastal Management and TCS

By Tali Engoltz and Kristen M. Fletcher

On the final day of the 21st Coastal Society Conference this summer in Redondo Beach, the closing plenary speaker, Angela Park, asked participants to consider the future of coastal management including priority issues, their own roles and responsibilities as leaders, and the opportunities and strengths inherent in TCS as a leading organization. Ms. Park, Founder and Director of Diversity Matters, a nonprofit geared toward advancing diversity and social change, urged TCS to “Change the Culture of Change” by engaging in a collective conversation and motivating TCS members to be part of something bigger than ourselves--to be part of a community pursuing common goals despite a myriad of individual and organizational objectives. Ms. Park’s message was clear: the coastal community needs to recognize its interdependence and invest in a well-lead collective approach i.e., we need each other to survive!

The impact of Ms. Park’s remarks was clear as well: most attendees jotted down at least one idea, concept, or quote with bold uppercase letters or double-underlined. Perhaps the most relevant for TCS as an organization was that every person the Society reaches out to needs to see a little bit of themselves in our movement. If an individual does not see similarities between herself, her goals, objectives, or needs and those of TCS and the coastal community, she will not join or support it. Yet, the community needs that individual to affect real change. Individuals and organizations can lead the way, but must turn around and to find out whether anyone is following.

Ms. Park asked each member of the audience to consider three questions.

1. What are the top two challenges and/or opportunities facing the ocean and coastal community?
2. What is one thing you or your organization can do to address these issues?
3. What can TCS do to address these challenges?

In reviewing the responses, answers to question 3, the role of TCS, will assist in shaping the role of TCS in developing the leadership and community necessary to address today’s complex coastal challenges.

With a broad base of members, TCS has served as a facilitator of interdisciplinary thought and collaboration. TCS is now in a unique position to bring together individuals from different backgrounds and disciplines to find solutions to common issues. The nature of coastal problems demands this type of interdisciplinary effort and coastal leaders must know how to communicate with each other and with colleagues in other fields. Additionally, TCS can focus on providing fora for this discussion. With members across the US and world, TCS can use its outreach capacity and web-based technology to convene discussions of coastal and ocean problems. Finally, TCS can seek to realize change by framing the issues and empowering members to reach out to inform, advise, and affect people in power, decision makers, elected officials, and the voting public.

The plenary participants had more specific, and bold, ideas that can help to inform other organizations in the coastal community and the choices each of us makes for how we as professionals and as humans can shape our coastal future. TCS21 attendees suggested that TCS address the challenges and opportunities facing the ocean and coastal community by:

- Facilitating multi-disciplinary communication;
- Inviting local government officials to conferences and encouraging them to share their input, ideas, and concerns;
- Holding a series of events for local policy-makers and communities to promote understanding, knowledge, and action;
- Undertaking initiatives to engage and inform the public to promote an even greater ocean and environmental ethic among the public and community;
- Bringing solutions and examples of good coastal management to national attention;
- Developing training resources or linking members to existing ones, such as negotiation and facilitation skills;
- Facilitating interaction among states and organizations to share lessons learned outside of conference fora;
- Attracting people from other fields not traditionally involved to the society and to the conference in order to

continued on page 11



establish relationships and specifically invite participation from under-represented groups.

- Engaging people such as architects, planners, engineers, business leaders, leaders of black and Hispanic American communities;
- Inspiring 'bold' thinking;
- Embracing the human dimensions side of coastal management and continuing to encourage training and education in this emerging field;
- Setting the stage for more interactions among experts to share ideas and research;
- Addressing the shifts in demographics and the technological shifts taking place such as how young people are learning and relating to the world and how to reach them in an effective way;
- Encouraging individual members to write op-ed pieces for local papers on timely topics;
- Organizing members who can communicate with Congress.

If you were able to attend TCS21 and this plenary, the authors encourage you to revisit your responses. If you were unable to join us, please consider these questions and suggestions and share your input with TCS leadership. The niche for TCS is clear: maintain today's coastal leaders while developing tomorrow's. How can you help do that?

Send your thoughts and comments to Tali at Tali.Engoltz@dep.state.nj.us, Kristen at kfletcher@coastalstates.org, or TCS Executive Director Judy Tucker at coastalsoc@aol.com.

A Charter Member of The Coastal Society (1977), Rod Emmer, of Baton Rouge, LA, passed away on August 3rd. He was missed at TCS21, as he always will be by the TCS family. The following is excerpted from a wonderful tribute written by Jim Wilkins. To read the piece in its entirety: <http://www.laseagrant.org/memory.htm>.

Rodney Edwin Emmer, Ph.D

January 1, 1944 - August 3, 2008

I don't think it is an overstatement to say that the State of Louisiana and the country have lost a great resource of knowledge and experience in the fields of floodplain management, hazard mitigation, geography and culture. Rod's dedication to his profession and his stellar work ethic made him a great force for the benefit of our state but Rod was much more than a top notch professional. Throughout my association with Rod over the last 20 years I found him to be a generous and friendly person, always willing to help whenever needed. To those of us that spent a lot of time with him, he was like a big brother, a big man with a big heart.

Rod spent his childhood in the New Orleans of the 1940s and '50s and he loved to entertain his friends with stories of how the city was back then and how those cultural rivers had diverged and coalesced into what we see today. Rod's roots were deep in New Orleans and it seemed he was happy there as a child, but he chose Baton Rouge as his adult home, much to our benefit.

Rod had the gift of gab and could make friends easily but he was a straight shooter. He knew how to keep his mouth shut when politics dictated but if prompted to speak, which was often, you had better be prepared to hear the truth as he saw it, delivered in that distinctive upper Ninth Ward accent, and he usually hit the heart of the matter with great accuracy.

The disease laid Rod low but he displayed great courage and maintained as much dignity as the pain and hospital conditions allowed. Rod loved a good joke between friends and at the end he was still laughing even through his labored breathing.

Goodbye dear friend.

— Jim Wilkins, Director, Louisiana Sea Grant Law and Policy Program



East Carolina University

This year our chapter will focus on increasing our membership beyond the Coastal Resources Management Ph.D. program (CRM) to all students, faculty, and members of the university community who are interested in coastal issues. Our first step toward this goal is “fresh blood” from TCS-ECU’s largest officer cohort in our history. Our new officers for the 2008-2009 academic year are David VanDeVelde, President; Lauren Jordan, Vice President; Mark Keusenkothen, Treasurer; April Evans, Secretary; and Jamie Brinkley and Jennifer Cudney; Joint Web-Master and Historian. We have partnered with the local chapter of the Sierra Club (the Cypress Group) to clean the Tar River during the Big Sweep (October 4, 2008). We have secured funding from the East Carolina Universities Graduate Student Council, which will provide opportunities for student travel to professional conferences. Working with the CRM Program, we will continue our guest speaker series and bring new coastal professionals to campus in an effort to engage our community in a discussion of important social, political, and environmental issues facing our coasts.

TCS Annual Members Meeting Redondo Beach, CA at TCS 21 July 1, 2008, 7:30 AM

Attendance: There were about 40 people in attendance. President Kristen Fletcher welcomed everyone, and started self-introductions around the room.

Mission Statement: Fletcher reminded the members of the TCS mission: The Coastal Society is an organization of private sector, academic, and government professionals and students dedicated to actively addressing emerging coastal issues by fostering dialogue, forging partnerships, and promoting communication and education.

Activities during the past year: Fletcher reviewed the activities since the last Annual Meeting in July 2007 including:

- a strategic planning retreat for the TCS Board to incorporate the information gleaned from the TCS Member Survey collected in the fall of 2006;
- a new partnership with Taylor and Francis to provide a subscription to *Coastal Management Journal* at a greatly discounted rate with every Regular Membership;
- the change of the membership year from an anniversary date to a calendar year basis to make it easier for members to know when their membership is current;
- a request for TCS to serve as a vehicle for the selection of a TCS member to be part of a project team to share knowledge of MPA management in Sri Lanka and the Philippines;
- planning the current conference TCS 21, and preparing for TCS 22;
- sponsoring the Coastal and Ocean Managers meeting; and,
- a visit by the TCS President to TCS student chapters at URI, Duke and ECU.

Questions can be directed to Fletcher at kfletcher@coastalstates.org.

Upcoming activities: Planned for 2008-2009 are the following activities:

- continuation of the Coastal Resource Recovery Fund-raiser (CRRF), finding new restoration projects and developing new fund raising activities;
- development of an activity during the non-TCS conference year to be sponsored by Taylor and Francis, perhaps an event at CZ09.



Paul Ticco

TCS members enjoy breakfast at annual meeting.

continued on page 13



Committee activities: TCS Executive Director Judy Tucker reviewed the activities underway in the TCS committees (Chapters, Communications, Development, Education, Membership, Special Projects, and the working group on the Integration of International opportunities and members). Updates on activities can be found in the TCS Bulletin and on the web. All members are invited and encouraged to join a committee and actively participate in TCS. Questions can be directed to Judy Tucker at coastalsoc@aol.com.

Membership Changes: Membership Committee Chair Susan White described some of the changes to membership categories and benefits that will be presented to the TCS membership as proposed changes to the TCS Bylaws. They include the new categories of New Professional and Retired member, and the addition of an online membership directory to facilitate networking among members. Any ideas for other benefits can be sent to White at susan.white@noaa.gov.

Elections 2008: To be elected this fall are three Directors and the President-Elect. The call for nominations will go out soon, and members are encouraged to self-nominate or nominate someone else.

TCS22: The next TCS conference will be in coastal North Carolina at either the end of May or early June, 2010.

Other Business:

- Puget Sound, WA prospective chapter: those interested in forming a chapter should meet for a roundtable topic discussion during the Tuesday luncheon.
- Student Dinner: On Tuesday evening the TCS Board and others have organized an outing for dinner for any students in attendance at TCS 21 to offer an informal opportunity to network.

The next Annual Membership Meeting will be held during CZ09 in Boston, MA.

TCS21 Sponsors!

Our conferences would not be possible without the assistance of our sponsors. We want to take one last opportunity to thank them again for helping make TCS21 happen.

Primary Sponsor:

US EPA Coastal Management Branch

Conference Sponsors:

ACT Pacific Coast
 Aquarium of the Pacific
 California Coastal Conservancy
 California Sea Grant College Program
 Cascadia Chapter of TCS
 Central and Northern California Ocean Observing System
 Coastal States Organization
 CoastalCOMS/Coastalwatch
 Hawaii Sea Grant College Program
 I.M. Systems Group
 Monmouth University Urban Coast Institute
 NOAA National Ocean Service
 NOAA Ocean and Coastal Resource Management
 NOAA Coastal Services Center
 NOAA Office of National Marine Sanctuaries
 Port of Los Angeles
 Port of Long Beach
 Power Bar
 Restore America's Estuaries
 Roger Williams University Marine Affairs Institute
 San Francisco Bay Conservation and Development Commission

Sea Grant Association
 Southern California Coastal Ocean Observing System
 South Carolina Sea Grant Consortium
 Surfrider Foundation
 Taylor and Francis
 The Louis Berger Group
 The Nature Conservancy
 University of Southern California Sea Grant Program
 U. S. Geological Survey
 Virginia Sea Grant College Program
 Michael W. Wascom
 Washington Sea Grant College Program
 Whole Foods

In Kind Donations:

Aquarium of the Pacific Long Beach
 Chris Ellis
 Coastal States Organization
 Jeff Benoit
 Roger Williams University Marine Affairs Institute
 Power Bar
 San Francisco Bay Conservation & Development Commission
 Whole Foods

And while we cannot name them all, a special thanks to those who donated the use of laptop computers and LCD projectors!



4th National Conference on Coastal & Estuarine Habitat Restoration

October 11-15, 2008, Providence, RI
<http://www.estuaries.org/>id=4>

2nd International Conference / Workshop on the State-of-the-Art of ICM in the Mediterranean and the Black Sea

October 14-18, 2008, Akyaka, Turkey
<http://www.medcoast.org.tr>

ICOE 2008, the 2nd International Conference on Ocean Energy

October 15-17, 2008, Brest, France
<http://www.icoe2008.com>

National Coastal Conference of the American Shore & Beach Preservation Association

15-17 October 2008, Chicago, Illinois
http://www.asbpa.org/conferences/conf_fall_08.htm

Sixth Annual Ocean Innovation Conference and Exhibition

Oct 20-21, 2008; St. John's, NF
 Sponsored by CCMC (Canadian Centre for Marine Communications).
<http://www.oceaninnovation.ca>

Marine Law Symposium: A Viable Marine Renewable Energy Industry: Solutions to Legal, Economic and Policy Challenges

October 23-24, Roger Williams School of Law, Bristol, RI
<http://law.rwu.edu/sites/marineaffairs/symposia/seventhMLS.aspx>

27th Annual International Submerged Lands Management Conference

October 26-28, 2008, Traverse City, Michigan
<http://www.submergedlands2008.com>

Coastal Cities Summit 2008: Values & Vulnerabilities

November 17-20, 2008, St Petersburg, Florida
<http://www.stpt.usf.edu/ioiusa/conference.htm>

Littoral 2008, A Changing Coast: Challenge the Environmental Policies

November 25-28, 2008, Venice, Istituto Veneto di Scienze Lettere ed Arti, Palazzo Cavalli Franchetti
<http://www.littoral2008.corila.it>

4th International Symposium on Deep Sea Corals

December 1-5, 2008, Wellington, New Zealand
<http://coral2008.niwa.co.nz/index.php>

Florida Bay and Adjacent Marine Systems Science Conference

December 8-11, 2008, Naples, Florida
<http://conference.ifas.ufl.edu/FloridaBay2008>

IV International Conference on Integrated Management of Coastal Areas. CARICOSTAS 2009

May 13-to 15, 2009, Santiago, Cuba
www.Cemzc.uo.edu/ING/caricosta2009.html

10th International Coastal Symposium, ICS 2009

April 13th-18th, 2009, Lisbon, Portugal
<http://e-geo.fcsh.unl.pt/ICS2009/index.html>

International Marine Conservation Congress; Making Marine Science Matter

May 20-24, 2009, George Mason University, Washington D.C. vicinity
<http://www2.cedarcrest.edu/imcc/theme.html>

Coastal Zone '09, Revolutionary Times: Catching the Wave of Change

July 19-23, 2009, Boston, MA
 Note: Call for Abstracts, due November 21, 2008
www.csc.noaa.gov/cz/index.html



Shawn Ansley



PROCEEDINGS ORDER FORM

Quantity

_____	Coastal Footprints: Minimizing Human Impacts, Maximizing Stewardship Proceedings of the Twenty-first International Conference; Redondo Beach, CA; June 29-July 2, 2008. CD-Rom @ \$30.00 US	\$ _____
_____	Charting a New Course: Shaping Solutions for the Coasts Proceedings of the Twentieth International Conference; St. Pete Beach, FL; May 14 - 17, 2006. CD-Rom @ \$30.00 US	\$ _____
_____	TCS20 CD-Rom in pocket with Final Program/Abstract Book @\$40.00 US	\$ _____
_____	Measure for Measure: How Do We Gauge Coastal Stewardship? Proceedings of the Nineteenth International Conference; Newport, RI; May 23 - 26, 2004. CD-Rom @ \$40.00 US	\$ _____
_____	Converging Currents: Science, Culture and Policy at the Coast Proceedings of the Eighteenth International Conference; Galveston Island, Texas; May 19 - 22, 2002. CD-Rom @ \$40.00 US	\$ _____
	Shipping: Total quantity of items x \$4.00 = (When ordering more than 3 items, calculate shipping at \$3.00 each.)	\$ _____
	Total	\$ _____

PAYMENT AND SHIPPING INFORMATION

Name _____
Street Address (no PO box) _____
City, State, Zip _____
Phone _____ Email _____

Please mail your order form and check to the address below. Thank you for your order.

The Coastal Society, P.O. Box 3590, Williamsburg, VA 23185-3590



The Coastal Society
Tax ID Number: 52-1082650
www.thecoastalsociety.org

OFFICERS

Kristen Fletcher (President)
Coastal States Organization
PH: (202) 508-3861
E-MAIL: kfletcher@coastalstates.org
(Strategic Planning Working Group Chair)

Jeff Benoit (Pres.-Elect)
Restore America's Estuaries
PH: (703) 524-0248
E-MAIL: jbenoit@estuaries.org
(Special Projects Committee Co-Chair)

Paul C. Ticco, PhD (Past Pres.)
National Marine Sanctuary Program
NOAA
PH: (301) 713-7240
E-MAIL: paul.ticco@noaa.gov
(Nominations Committee Chair and Development Committee Co-Chair)

Jeff Smith (Treasurer)
National Marine Fisheries Service
PH: (301) 713-4300 x.137
E-MAIL: Jeff.P.Smith@noaa.gov
(Finance Committee Chair)

Helene Scalliet (Secretary)
National Marine Sanctuary Program
NOAA
PH: (301) 713-3125, ext. 281
E-MAIL: helene.scalliet@noaa.gov
(Communications Committee Chair)

DIRECTORS

Richard H. Burroughs
Dept. of Marine Affairs
University of Rhode Island
PH: (401) 874-4045
E-MAIL: rburroughs@uri.edu
(Education Committee Co-Chair)

Ariel A. Cuschnir
Coastal Programs
The Louis Berger Group, Inc.
PH: (202) 303-2750
E-MAIL: acuschnir@louisberger.com
(International Integration Working Group Chair)

Tali Engoltz
NJ Dept. of Environmental Protection
Coastal Management Program
PH: (609) 633-2201
E-MAIL: Tali.Engoltz@dep.state.nj.us

Lisa C. Schiavinato
N.C. Sea Grant
PH: (919) 515-1895
E-MAIL: lisa_schiavinato@ncsu.edu

Patrick J. Christie
School of Marine Affairs -and-
Jackson School of International Studies
University of Washington
PH: (206) 685-6661
E-MAIL: patrickc@u.washington.edu

Rick DeVoe
S.C. SeaGrant Consortium
PH: (843) 953-2078
E-MAIL: rick.devoe@scseagrant.org

Laurie Jodice
PH: (864) 656-2209
E-MAIL: jodicel@yahoo.com

Susan White
Hollings Marine Laboratory -and-
Center for Excellence in Oceans and
Human Health
NOAA National Center for Coastal Ocean
Science
PH: (843) 762-8993
E-MAIL: Susan.White@noaa.gov
(Membership Committee Chair)

EX-OFFICIO BOARD MEMBERS

Angela Gustavson
Restore America's Estuaries
PH: (703) 524-0248 x 12
E-MAIL: agustavson@estuaries.org

Jack Wiggin
Urban Harbors Institute
University of Massachusetts Boston
PH: (617) 287-5570
E-MAIL: Jack.Wiggin@umb.edu

Christine Patrick
PH: (301) 466-4849
E-MAIL: christine.patrick@gmail.com
(Chapters Committee Chair)

Duke University Student Chapter
www.env.duke.edu/students/tcs.html
President: Anna-Marie Laura
E-MAIL: anna-marie.laura@duke.edu

East Carolina Student Chapter
http://www.ecu.edu/org/tcs/
President: David VanDeVelde
E-MAIL: dvm1229@ecu.edu

University of Hawaii Student Chapter
President: India Clark
E-MAIL: tcs@hawaii.edu
Graduate Student Asst.:
Kaimanaamalie Lee
E-MAIL: kaimana.lee@gmail.com
Chapter Liaison: Harmonee Williams
E-MAIL: harmoneew@gmail.com

Univ. of Rhode Island Student Chapter
Co-President : Willie Whitmore
E-MAIL: wwhitmore@mail.uri.edu
Co-President: Michelle Armsby
E-MAIL: michelle_armsby@mail.uri.edu

Univ. of Washington Student Chapter
http://students.washington.edu/tcsuw/
President: Jill Harris
E-MAIL: jlh1@u.washington.edu
National Liaison: Erin Churchill
E-MAIL: erinc7@u.washington.edu

PROFESSIONAL SERVICES

TCS Office
Judy Tucker, CAE, Executive Director
P.O. Box 3590
Williamsburg, VA 23187-3590
PH: (757) 565-0999
FAX: (757) 565-0299
E-MAIL: coastalsoc@aol.com

Bulletin Editor
Ellen Gordon
PH: (301) 407-9155
E-MAIL: ellen@gordonballard.com

Bulletin Designer and Publisher
University of Massachusetts Amherst
Dept. of Natural Resources Conservation
PH: (413) 545-6641
E-MAIL: Loomis@nrc.umass.edu
David Loomis and Sarah Pautzke

Tax Preparation
Swart, Lalande & Associates, PC
Chas Rannells
PH: (703) 361-6126
E-MAIL: crannells@slacpa.com

MEMBERSHIP APPLICATION TO THE COASTAL SOCIETY

(Please print out and complete all blanks.)

Name: _____
Last First Middle Initial

Organization: _____

Street: _____

City/State/Zip: _____

Home Address (if preferred mailing address):

Day Phone: (____) _____ E-Mail: _____

Present Occupation: _____

Primary Interest: _____

Sponsored/Referred by: _____

Signature: _____ Today's Date: _____

Type of Membership:

Individual Regular: ___ \$60 U.S. 1-year

Student: ___ \$20 U.S.

U.S. Library: ___ \$50 U.S.

Corporate/Agency: ___ \$250 U.S.

Dues Payment:

Select membership category.

To pay by check: Make check payable to: The Coastal Society. Please mail check and application to: PO Box 3590, Williamsburg, VA 23187-3590.

To pay by credit card: We cannot accept credit card information other than through the PayPal option. Please go to the TCS online membership form if you wish to pay by credit card (<http://www.thecoastalsociety.org/membersub.html>).

Thank you for your support.

The Coastal Society is an organization of private sector, academic, and government professionals and students dedicated to actively addressing emerging coastal issues by fostering dialogue, forging partnerships, and promoting communication and education.