

Coastal Voice

THE NEWSLETTER OF THE AMERICAN SHORE & BEACH PRESERVATION ASSOCIATION

— May 2017 —

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Submit an abstract by May 8

Conferences key for enriching professional development

By **TONY PRATT**,
ASBPA President

Plans for the Oct. 24-27 ASBPA Coastal Conference in Fort Lauderdale, FL, are coming along nicely. Abstracts are due by **May 8**; the venue — the Greater Fort Lauderdale/Broward County Convention Center — is secured; sponsors are stepping forward to support the conference as well as ASBPA’s mission; and your colleagues are holding the date to join us in Fort Lauderdale. Are you saving the date as well? I am, and I will tell you why.

In this age of electronic communication when, for example, the simple written phrase “have a nice day” can be sent with either sincere or sarcastic intent, it is up to the receiving party to assume on their own what spirit was behind it. Face to face, there is no mistaking the intent nor the consequence. Of course, this is a trivial example but more and more I realize that face-to-face communication is becoming less and less common.

In college in the 1970s the only opportunity I had to meet and speak with other students,

PRESIDENT’S REPORT

colleagues or revered professors from other colleges and universities was when I attended conferences. Geological Society of America, then, still had an evening “smoker” meeting, a throw-back to the days when cigars and brandy were enjoyed after dinner and great debates about things



PRATT

like graben valleys or just how nice is gneiss went on into the wee hours of the next day.

While we have trended away from those days, the opportunity to sit with colleagues, people whose work has intrigued or inspired you, or people you meet for the first time is still probably the most important reason I go to the National Coastal Conference. And no, I don’t go to make sure that messages I get from people around the country are actually sincere in tone, not sarcastic.

ASBPA has been my profes-

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Save the date!

■ **Oct. 24-27: ASBPA’s National Coastal Conference, Fort Lauderdale, FL**

ASBPA National Coastal Conference abstracts due May 8

ASBPA and the Coastal Zone Foundation announce the Call for Abstracts for its 2017 National Coastal Conference, Oct. 24-27 at the Greater Fort Lauderdale/Broward County Convention Center, Ft. Lauderdale, FL.

The theme of the 2017 conference, “Beaches, Bays and Beyond,” continues to broaden ASBPA’s focus across the entire coastal and estuarine system. The Coastal Conference provides an opportunity for all coastal stakeholders to learn together and develop collaborative networks and resources to promote best management practices to maintain and improve the health of our coastal and estuarine shorelines and ecosystems.

Technical and policy-oriented presentations or posters are invited for a broad range of coastal & estuarine ecology, science, engineering, economics, and policy. Specific topics include, but are not limited to:

- Design Concepts and Projects
- Green/Grey Infrastructure and Living Shorelines
- Regional Comprehensive Coastal Studies
 - Lessons Learned from tropical storms/hurricanes (Matthew, Sandy, Katrina, Ike, etc.)
 - Coastal & Estuarine Landscape Architecture
 - Coastal & Estuarine Modeling
 - Coastal Hazard Mapping & Analysis Tools
 - Coastal & Estuarine Resiliency
 - Sea Level Guidance, Plan-



ning and Adaptive Management

- Beach Restoration and Coastal Structures
- Lagoon, Wetland, Marsh, and Estuary Restoration and Enhancement



- Regional Sediment Management
- Economics of Coastal Resources
- Federal, State, and Local Coastal Policy, Regulatory and Legal Issues
- Sand Source/Beach Access Rights
- Community Outreach and Education

Presentations may be PowerPoint or poster format. Abstracts (up to 500 words) are due by **May 8, 2017**. Submit abstracts via the online form at <http://asbpa.org/2017/02/23/abstracts-are-now-being-solicited-for-the-asbpa-2017-national-coastal-conference/>. Presenters are responsible for all of their expenses including travel, lodging, and registration fees.

Notification of presentation status will occur by June 20, 2017. Additional information can be found at www.asbpa.org. ❖

Development

■ Continued from page 1

sional connection for decades. It is where I have made nearly all of my national professional connections and friendships. It has been vitally enriching to my professional development and I can honestly say I would not have been nearly as successful in my professional life without the opportunities ASBPA and its conferences have afforded me.

Let’s celebrate the art of personal conversation. Let’s share our professional interests. Let’s reconnect or connect for the first time.

Please, join me in Fort Lauderdale to continue the quest for better knowledge of coastal processes, for state of the science examples of how best to protect and enhance the nation’s coastal resources, to share what other communities are doing to better protect against coastal damages and sea level rise impacts.

The ASBPA Fall Conference is truly a highlight of my year, primarily for the opportunity to see so many friends and to make new acquaintances. Please, make it a highlight of your year, too. ❖

Plenty of options for students at 2017 National Coastal Conference

By TIFFANY ROBERTS BRIGGS, Ph.D., Co-Chair, Student & New Professional Committee

STUDENTS and FACULTY (student advisors): Please be aware of two upcoming deadlines for abstract submissions to present at the 2017 National Coastal Conference in Fort Lauderdale, FL. 1) Abstracts for oral presentation are due May 8; and 2) abstracts for poster presentation are due Sept. 9. So even if you (or your students) haven't completed research in time for consideration of an oral presentation, please keep in mind the second deadline for poster presentation.



ROBERTS BRIGGS

We hope you find the later deadline for poster presentation abstracts to be an opportunity to present the results of summer research projects.

Just a reminder there are a number of exciting opportunities for students at the conference:

- **Three** student awards (with scholarship stipends): *Nicholas Kraus Coastal Scholar Award*, *ASBPA Student Educational Award*, and the newly introduced *Student Coastal Advocate Award*;

ASBPA's "Beaches, Bays and Beyond":

Share your work with colleagues

By MIKE MCGARRY, National Coastal Conference Co-Chair

The 2017 ASBPA National Coastal Conference in Fort Lauderdale will be an important meeting as ASBPA, in cooperation with the Coastal Zone Foundation, addresses coastal management issues covering the entire coastal and estuarine system. May 8 is the deadline for submitting an abstract to present your work at the conference.



MCGARRY

Florida has always been on the forefront of coastal challenges including beach erosion, coastal policies, sea level rise, estuarine habitat and water

quality issues. Discussing these issues at the Fort Lauderdale meeting location seems fitting. Coastal managers, researchers, and students from around the country are encouraged to prepare presentations describing their work on these and other coastal issues. Sharing your work will help others learn from your experience.

A broad range of topics will be covered, including coastal science, engineering, policy and economics. This means your work will undoubtedly fit into the mix. Please consider submitting an abstract (up to 500 words) prior to the May 8 deadline. Presentations may be PowerPoint or poster format. Additional information can be found at www.ASBPA.org.

Your work will become even more meaningful if you share it with colleagues. ❖

- Best student poster presentation award;
- Annual student/new professional informal networking happy hour;
- Student volunteer positions (registration costs waived);
- Special student conference registration rates of \$75 for student members or \$100 for non-members (includes a one-year membership).

As always, the fall conference is a chance to meet other students and new professionals in coastal sciences, engineering, and policy fields, learn about potential gradu-

ate student and/or employment opportunities from fellow ASBPA members, and enjoy a number of other student and new professional-focused activities and opportunities for networking, such as the annual friendly competition between scientists and engineers.

On behalf of the Student & New Professional Committee, we hope you have a productive summer of research and inquiry, and we're looking forward to hearing about your results at the 2017 National Coastal Conference in Fort Lauderdale. ❖

ASBPA issues 2017 Coastal Conference call for awards

The American Shore & Beach Preservation Association (ASBPA) is accepting nominations for the 2017 National Coastal Conference Awards including the Morrrough P. O'Brien Award, the ASBPA Coastal Project Award, the Bob Dean Coastal Academic Award, the ASBPA Student Educational Award, the Nicholas Kraus Coastal Scholar Award, the Student Coastal Advocate Award and the ASBPA Member of the Year Award.

■ The **Morrrough P. O'Brien Award** is given annually to an individual or organizational member of ASBPA on the basis of 1) an outstanding record in achieving the objectives and ideals of ASBPA; or 2) for major direct contributions to ASBPA. Any ASBPA member can submit a nomination that outlines the accomplishments of the nominee and the basis upon which the nomination is being put forth. The winner will be invited to attend this year's ASBPA National Coastal Conference Oct. 24-27 in Fort Lauderdale, FL, to accept the award.

■ The **Robert L. Wiegel Coastal Project Award** is given in recognition to a coastal project that has stood the test of time and has shown a positive environmental, social, or recreational benefit. Nominations must include a statement of objectives of the project and the major design features; evidence that the project achieved the desired objectives with a minimum of five years since completion; the environmental, social, recreational and other effects of the project should be described; a statement identifying the agencies and individuals responsible for planning, designing and constructing the



work and the individuals that will receive the award; and the cost of the project. The award will be presented at the 2017 ASBPA National Coastal Conference in Fort Lauderdale, FL.

■ The **Bob Dean Coastal Academic Award** is given in recognition of an academic who has made significant contributions furthering the community's understanding of coastal science or engineering and in fostering young coastal scientists or engineers.

■ The **ASBPA Student Educational Award** is given annually to an undergraduate or graduate student who, through his or her research, is furthering the state of science of coastal or riverine systems as it relates to the goals and mission of the ASBPA. Any research pertaining to coastal or riverine science is eligible for consideration.

The award includes a \$500 cash stipend and it is expected that the Educational Award winner will attend the 2017 ASBPA National Coastal Conference in Fort Lauderdale (for which the registration fee will be waived), and present his or her findings to the coastal community. Additionally, the winner

is strongly encouraged to submit their award nomination paper for peer review by the editorial staff of *Shore & Beach*, the ASBPA's technical journal, and possible inclusion in a future issue.

Entries must consist of a curriculum vita and paper suitable for presentation and publication (for non-electronic submissions, please provide five hard copies of the entire nomination package). Any subject pertaining to coastal or riverine science is eligible for consideration. Representative subject areas include natural processes (waves, currents sediment transport), ecology (habitat, ecosystem function), water quality (pollution sources, remedies), economics (cost/benefits of beach projects) and human impact on the coast (coastal structures, dams, restoration projects). The paper may include figures, tables, and photographs and should not exceed 10 pages in length, single-spaced, including references.

■ The **Nicholas Kraus Coastal Scholar Award** is given annually to a graduate student who aspires to advance his or her knowledge and experience of coastal or riverine science through an internship with ASBPA. The winner will become the dedicated staff member for the ASBPA's Science and Technology Committee. The Coastal Scholar will work hand-in-hand with practicing coastal experts to develop technical position papers with the Committee; and serve as the liaison for ASBPA with other graduate students in coastal and riverine sciences. The Coastal Scholar will work from their home institution and will participate with the

■ **Continued on next page**

Thanks to our
2017 conference
partners!



COASTS, OCEANS,
PORTS AND RIVERS
INSTITUTE



Coastal
Sediments
Conferences



Awards

■ Continued from page 4

ASBPA via conference calls and email. In addition to the experience of working with coastal experts, the award includes a \$600 cash stipend paid in quarterly payments of \$150.

Award winner must attend the 2017 ASBPA National Conference in Fort Lauderdale, Florida (for which the registration fee will be waived), to receive the award. Entries must include a curriculum vita, and paper addressing why the student is interested in becoming the ASBPA's Coastal Scholar. The paper should include previous experience, education, future goals, as well as expectations of the Coastal Scholar Award position. The paper should not exceed five pages in length, single-spaced.

■ **The Student Coastal Advocate Award** is given to a graduate or undergraduate student who aspires to advance his or her knowledge of and experience in federal coastal policy and advocacy through an internship with ASBPA. The winner will become the dedicated staff member for the ASBPA's Government Affairs Committee. The Student Advocate will

work hand-in-hand with practicing coastal experts to develop policy position papers with the Committee and participate in advocacy efforts seeking to influence federal policy via agencies or Congress.

The Coastal Advocate will work from his or her home institution and will participate with the ASBPA via conference calls and email. In addition to the experience of working with coastal experts, the award includes a \$600 cash stipend paid in quarterly payments of \$150.

Award winner must attend the 2018 ASBPA Coastal Summit, in Washington, DC (for which the registration fee will be waived). Entries must include a resume or curriculum vita, a paper addressing why the student is interested in becoming the ASBPA's Student Coastal Advocate, and contact info for two professional references (either academic or work related). The paper may include previous experience, education, future goals, as well as expectations of the Student Coastal Advo-

cate position. The paper should not exceed two pages in length, single-spaced.

■ The **ASBPA Member of the Year Award** is given annually to an individual on the basis of their giving of time, talent, and treasury to furthering the goals and objectives of the ASBPA during the previous year. The winner will be presented the award at the 2017 ASBPA National Coastal Conference in Fort Lauderdale, FL.

Entries for all awards **except** for the three student awards must be received by **Aug. 8, 2017**. The deadline for **ASBPA Student**

Educational Award, the **Nicholas Kraus Coastal Scholar Award** and the **Student Coastal Advocate** is **Sept. 9, 2017**. Please send entries to Awards@asbpa.org.

All information should be submitted in PDF attachment form or a Word document with a maximum file size of 1 Mb. If you have any questions, please call (239) 489-2616 or email managing@asbpa.org.



Funding coastal infrastructure at the Corps of Engineers

On May 3, ASBPA Executive Director Derek Brockbank will testify before the House of Representatives' Energy & Water Appropriations Sub-Committee, to request FY18 funding for the U.S. Army Corps of Engineers coastal program. Here is an abbreviated version of his testimony:

Natural coastal infrastructure, in the form of beaches, dunes, and wetlands, protect communities



BROCKBANK

from coastal flooding — saving lives, protecting property, and reducing the disruption to the local economy from storms. Beaches, dunes, and wetlands are, simply put, wise fiscal investments. Proactively investing in coastal infrastructure will save the federal government by reducing post-disaster recovery costs. One estimate says federal investment in shore protection saved \$1.9 billion in damages during Hurricane Sandy. Coastal restoration creates and supports a tremendous number of jobs. Studies of estuarine restoration — from the Gulf of Maine to the Chesapeake to North Carolina — show for every \$1 million invested approximately 30 jobs are created or protected.

While the nation needs a massive coastal infrastructure upgrade, annual appropriations ensure our most basic coastal protection is maintained. Many federal agencies have a role to play in safeguarding coastal communities, but none more so than the Corps

WASHINGTON REPORT

of Engineers. USACE coastal projects, hurricane- and storm-damage risk-reduction projects, and related coastal resilience studies are the cornerstone of the federal government's role in protecting and promoting coastal resilience. Key to these projects' success is a strategic plan for proper management of sediment, which is a finite and valuable resource, and up-to-date coastal data. ASBPA supports appropriations for all three of these important elements (project construction, planning and studies, and data collection) in the following:

1. Provide at least \$75 million in USACE-CW construction account for shore protection

A healthy coastline provides protection of life and property from the hazards of living by the water — storm surge, waves, and sea level rise. With this in mind, we ask you to support the USACE's shore protection initiatives in the FY18 budget. While the administra-

tion's budget has consistently left shore protection (coastal flood risk management) unfunded, Congress has reliably added funding for this critical USACE mission. After steady declines in shore protection appropriations — \$75 million in FY14, \$45 million in FY15, and \$40 million in FY16 — we were pleased to see a proposed increase to \$50 million in FY17 Energy & Water appropriations legislation.

However, with our nation's coastal communities increasingly vulnerable to severe coastal storms and the inevitability of the next major hurricane, we ask that you return shore protection funding levels to at least that of FY14. The current USACE capacity for shore protection construction is \$165 million, which was requested in a "Dear Colleague Letter" led by Reps. Lois Frankel and Debbie Wasserman Schulz and supported by ASBPA. The requested \$75 million is less than half of what USACE could accomplish, and should be the minimum appropriated.

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1 week extension for federal FY17 budget

With the FY17 Continuing Resolution deadline of April 28th upon them, Congress passed a one week extension to finish up the FY17 budget by May 5th. Every indication is that Congress is close to finalizing a spending package that can pass the House and Senate and get the president's signature. However, nothing public has been released, so there is no specific indication of how coastal programs will be impacted for the remainder of the fiscal year.

If the FY17 budget is not completed by midnight Friday, May 5th (or another short term extension does not get passed), the government will shut down. Congress is simultaneously considering FY18 spending proposals, which they hope to finalize before September. Also impacting the FY18 budgeting process will be a tax reform package that could impact the federal government's revenue and the need to raise the debt ceiling sometime this summer. ❖

Thank you for supporting ASBPA

By KATE GOODERHAM,
ASBPA Managing Director

Thank you for your membership in ASBPA. As you know, ASBPA is the nation's first organization to promote science-based policies for the preservation of coastal areas. Working together, we make a difference.

Only a third of the year has gone by, but much is going on involving ASBPA:



GOODERHAM

- A strong Coastal Summit with the largest attendance in years.

- ASBPA President Tony Pratt testified before a Congressional Committee Feb. 3.

- The Science & Technology Committee has kicked off its Technical Advisory Committee.

- The Science & Technology Committee rolled out its Beach Nourishment Data Base.

- ASPBA Executive Director Derek Brockbank will be testifying before a Congressional Committee on May 3.

- Nominations for Best Restored Beach are in, and we're preparing to announce this year's winners on May 22.

- The National Coastal Conference steering committee has been hard at work, with abstracts due on May 8 and registration opening on May 15.

- Government Affairs Com-

MANAGING REPORT

mittee has developed an advocacy agenda for 2017.

- The first issue of *Shore & Beach* is out, and the second one is almost at the printers... with the third issue (focusing on South Florida) promising to be one of the largest ever.

- ASBPA chapters around the country either have or soon will hold regional conferences and workshops, with others now in the planning stages.

- Last year's photo contest (featured in *Shore & Beach* and this newsletter) garnered the most submissions yet... and this year's contest is wide open and waiting for your summer beach shots!

Plenty is happening, but there's still plenty for you to be involved with this year. Submit your abstract, plan to attend the fall conference, get involved with one of the committees or work on your *Shore & Beach* submission... there are a lot of opportunities to participate.

Thanks again for being part of ASBPA, and let us know how we can make the association even better for you. ❖

SAVE THE DATE: Thursday, May 18, 1 p.m.

Join us on May 18 at 1 p.m. EDT for the first in a series of free webinars organized by SAGE (Systems Approach to Geomorphic Engineering). Richard O. Bennett, Ph.D., Regional Scientist with U.S. Fish and Wildlife Service, will present on Habitat Restoration Approaches to Improve Community and Ecosystem Resilience. For details, go to www.sagecoast.org.

Funding

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Please provide at least \$75 million in USACE-CW construction account for shore protection.

2. Provide \$5 million for implementation of BUDM pilot program authorized in WIIN Act (Sec. 1122)

The WIIN Act established a pilot program for the beneficial use of dredged sediment without the USACE being constrained by the Federal Standard. The placement of dredged sand and sediment on beaches, dunes, and coastal wetlands can serve multiple benefits, including flood and storm risk reduction, ecological restoration, and adaptation to sea level rise. As sediment sources for beach, dune, and wetlands restoration become scarce, managing sediment as a resource is essential for the USACE to achieve its multiple missions. This pilot program requires the USACE to choose 10 project areas to beneficially use sediment with a federal cost-share (rather than have the beneficial placement paid for entirely by local sponsors). ASBPA has heard that USACE districts have submitted more than 100 projects to be considered for this program, so clearly the interest is there. What the program lacks is funding. So we request \$5 million for the full implementation of the BUDM pilot program.

3. Increase USACE-CW (O&M) Remaining Item, "Regional Sediment Management (RSM)," from \$1.8 million to \$7.8 million, to assess sediment use and availability and coastal resilience in the South Atlantic division.

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CHAPTER UPDATES

Central East Coast Chapter: Summer webinar planned

By MAURA BOSWELL,
CEC President

The Central East Coast Chapter of ASBPA is making plans to host a webinar this summer following up on the successful Permitting Workshop that was held this past January in Wilmington, NC. If you are interested in assisting with the planning of the webinar or would like more information about participating in the chapter please contact Maura Boswell at mbosw002@odu.edu.

Great Lakes Chapter: Reinvigoration under way

By ED LIEGEL, Great Lakes
Chapter President

Hello, "Coastal Voice" readers! You may have heard I have recently replaced Jon Shabica as Great Lakes chapter president. Jon was a great representative of ASBPA for many years, and will continue with the organization moving forward. Thank you, Jon, for facilitating the transition process and getting me started.

I am excited to announce that the chapter will be holding a reinvigoration meeting shortly. The purpose of the meeting will generally be to discuss the overall organization of the chapter and to solicit ideas regarding goals of the organization going forward. The meeting will not be held in person to facilitate as much participation as possible.

Memorial bench to honor renowned coastal engineer Orville Magoon

It's been almost a year since we lost our dear friend and colleague, Orville Magoon. As most of you know, Orville was president of ASBPA for many years. He also worked to form the California chapter and provided time and talent for many of our workshops and conferences. The California chapter (CSBPA) would like to do something special to honor and remember Orville's coastal career. In the last few years of his life, Orville's travels were closer to home; he and his wife Karen would often go to Ocean Beach sit in their car or sit on a bench and spend time watching the waves, checking out the beach and enjoying the sights, smells, and sounds of the coast.

As an extension of that part of Orville's life, CSBPA board members Aaron MacGregor, Doug George and Lesley Ewing have been working with the City of San Francisco to acquire a bench at Ocean Beach that could be a lasting memorial to his life. San Francisco Parks Alliance provides a Commemorative Bench Program to honor family and friends. A bronze plaque will be placed on the back-

I'd like to aim for having a luncheon sometime this year, with a speaker from a relevant state or federal agency. Maybe we can consider teaming with another coastal organization to increase visibility.

If you are interested in being part of the chapter or you happen to have an acquaintance that might be interested in participating, please pass on your details to me at [!\[\]\(e3f255517d37bb309a3a931ec4849e6a_img.jpg\)](mailto:asbpa-</p></div><div data-bbox=)

Orville Magoon

rest of the bench for a tax deductible donation of \$3,500.

CSBPA is welcoming donations from friends of Orville to be used toward the upfront costs. ASBPA is helping kick off this fund drive by donating \$500. Funds raised over the \$3,500 amount will be donated to the Orville T. Magoon Sustainable Coasts Award. The goal is to have a "benchwarming" in time for Orville's birth date of July 18.

Please contact Susan Brodeur at Susan.brodeur@ocparks.com or at (949) 585-6448 to make a contribution. ❖

glc@baird.com. One of our initial goals will be to enhance the overall number of members in the chapter and its geographic extent so we can be a more effective group throughout the lakes.

I am looking forward to kick-starting a new ASBPA Great Lakes era and meeting all of you in the very near future.

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Chapters

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California Chapter: Join us for the Headwaters to Ocean (H2O) Conference

By SUSAN BRODEUR,
California Chapter President

Headwaters to Ocean (H2O) is a two-day conference to promote integration across disciplines, sectors, organizations, and institutions around common interests related to water, oceans, coastal environments, resilience, and terrestrial interfaces with marine systems. Through dynamic



panels, presentations, and working groups attendees will identify new challenges and advance conference will

highlight impactful projects and scholarship, and translate science for policy and action. In addition to creating opportunities to share best practices, H2O will engage and provide networking opportunities to a diverse cross-section of leaders and knowledge-brokers, including those traditionally underrepresented in these conversations.

- **Date:** May 23-24, 2017

- **Location:** Beckman Center of the National Academies of Science and Engineering, 100 Academy Dr., Irvine, CA 92617

- **Online at:** <http://oceans.uci.edu/headwaters-ocean-h2o-conference/>

Texas Chapter: Legislative Meeting and third symposium conducted

By JERRY MOHN,
Texas Chapter President

The Texas Chapter had its first meeting of the year on March 8 in Austin, Texas, the state capital. The Texas Legislature meets every two years; this year the 85th legislative session began on Jan. 10 and ends May 29. Sometimes a special session may be called after the regular session ends if major issues are still pending. Regardless, there is a short window of opportunity to press the legislators in submitting and passing various bills. Meeting in Austin gives members an opportunity to meet with their legislators and the Texas ASBPA chapter prepares a legislative agenda or “Lobby Card” with key points for members to discuss.

The meeting we had in Austin was a luncheon and our guest speaker was General Land Commissioner George P. Bush. We had 90 people in attendance and Commissioner Bush gave great presentations about the General Land Office, who also manages all the beaches and coastal activity in the state.

Commissioner Bush emphasized the importance of the Texas coast for national security and the national economy, and that issues along the coast are relevant to all Texans and U.S. citizens. The GLO continues to work towards increasing awareness about the

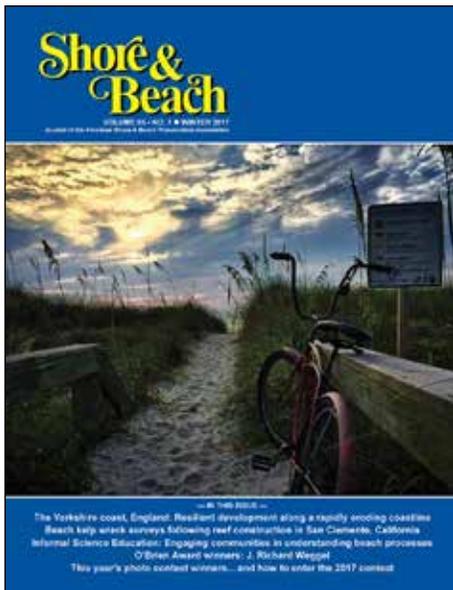
significance of Texas coastal issues to citizens who don’t live in coastal regions.

Commissioner Bush highlighted the efforts that are being taken to improve coastal resiliency in Texas, including the Coastal Master Plan being led by GLO and the Coastal Texas Study being led by the U.S. Army Corps of Engineers with GLO as a local sponsor.

In addition, he endorsed the “Coastal Spine” concept developed by Texas A&M in Galveston, which is solutions-oriented thinking about these topical areas. The a surge protection system for Galveston Island and the Bolivar Peninsula, mainly to protect the Houston Ship Channel. The commissioner advised if the Sept. 13, 2008, Hurricane Ike had hit the Houston Ship Channel directly, \$142 billion of economic activity would be lost, which would affect the U.S. economy. In addition, he indicated there would be \$85 billion in damages if Hurricane Ike hit the Houston Ship Channel directly.

On April 25, we had our third Symposium at the University of Texas at Austin Marine Science Institute in Port Aransas. The abstracts presented can be seen on our website, www.TexasASBPA.org The day before, we had a field trip. The symposiums are always well attended and the information presented is great.

After Port Aransas, we plan two more meetings this year along the Texas coast. We also are delighted the ASBPA chose Galveston for the 2018 Fall Conference and we will be assisting in the plans and development. ❖



ASBPA's 10th annual photography contest

The editors of *Shore & Beach* announce the ASBPA's 10th annual photography competition. The purpose of the contest is to highlight the beauty and natural wonders of America's magnificent coasts as part of celebrating more than 80 years of continuous publication of *Shore & Beach*.

WHO CAN PARTICIPATE:

The competition is open to all except ASBPA consultants and/or their immediate families (children, spouses, parents).

SUBJECT MATTER AND

RULES: Any photographs depicting the coastal zone are appropriate. These include, but are not limited to beaches, bluffs, marinas, wetlands, marine life, recreational facilities, and engineered projects as long as they include the setting in which they were built (i.e. no portraits of dredges or your favorite armor unit).

Manipulated photographs (colorized, posterized, solarized,

Corps releases draft shoreline management study for Lake Michigan

The U.S. Army Corps of Engineers (USACE) released its draft "Great Lakes Region National Shoreline Management Study, Lake Michigan" report. The report provides an assessment of the effects of erosion and accretion upon socio-economics and the environment, and what management actions are being taken or are needed to maintain resilient shorelines. The draft is being distributed to stakeholders and key audiences, and is a part of the overall National Shoreline Management Study (NSMS) series and is the first to be released for the Great Lakes.

The Congressionally authorized study is the first undertaking in nearly a half century to document the physical, economic, environmental, and social impacts of shoreline change across each region of the U.S. Under the leadership of IWR, NSMS is providing government policymakers, coastal engineers and scientists, and stakeholders with information about the coastal regions most in need

etc.) are also welcome if the photographer briefly describes the changes or procedure. The original base photograph must have been taken by the submitter.

Submissions must be made in one of the geographic categories listed below.

Winning photographs may be used as cover art on *Shore & Beach*. Therefore, VERTICAL-format photographs are highly preferred. Horizontal photographs can be submitted, too, but if a horizontal format photograph is a winner

of resilience planning. The NSMS report on Lake Michigan is a good step in the direction of moving towards a comprehensive assessment and development of plans for on-the-ground actions to build resiliency into state coastal economic development and environmental programs. These plans would promote resiliency within the Lake Michigan community, incorporate protection of critical infrastructure, and assess vulnerable shorelines and risks to people and ecosystems.

The Great Lakes project teams are currently working to prepare reports on the remaining Great Lakes and anticipate releasing those over the course of the next several months. The draft Lake Michigan Report can be downloaded at <http://www.nationalshoreslinemanagement.us/>. Please direct any questions related to this report to Lynn Greer, Outreach Program Specialist, Great Lakes and Ohio River Division Public Involvement Specialist, Lynn.M.Greer@usace.army.mil. v

in one of the categories below, the editors of ASBPA may have to crop some of the scene, at their sole discretion, to fit on the cover of *Shore & Beach*.

Photographs must have been taken since Jan. 1, 2016. Photographs can be full-color, black and white, sepia, or colorized.

CATEGORIES:

- U.S. East Coast
- U.S. Gulf of Mexico Coast
- Caribbean (Puerto Rico, US Virgin Islands)

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Photos

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- U.S. Pacific Coast and Alaska
- U.S. Great Lakes
- Pacific (Hawaiian Islands, Guam, etc.)

SUBMISSION: Participants are to send electronic files in JPEG, TIFF or BMP format to the following e-mail address: contest@ASBPA.org. Please send:

The full-size JPEG file as created in your camera (note, minimum camera resolution of 3 megapixels to allow for sufficient printing quality for cover art) or a reduced-size file (800x600 pixels minimum). Winners will have to send the full-size file later.

Each participant may submit up to five (5) photographs total. Photographers may submit all entries in a single category or select different categories as long as the total does not exceed five photographs.

Do not submit RAW files because there are too many manufacturer-specific formats. Convert RAW files to JPEG or TIFF files.

Also, please do not submit prints or transparencies of any size. ASBPA simply does not have the facilities to properly scan materials and handle the logistics of physical submissions.

In the text of the email, please include the following information:

- 1) Your name
- 2) Physical address
- 3) Email address
- 4) Occupation and place of employment
- 5) Photograph title or description

- 6) Date taken
- 7) Category (see list above)
- 8) Indicate if submission is full-size original or reduced size file for contest purpose.
- 9) Other notes if necessary (what is happening if it is an unusual scene, why you took the photograph, etc.).

WHEN: Deadline for submitting entries is 11:59 p.m. EDT on Sept. 8, 2017.

PRIZES:

Winner in each category will have his (her) name and photograph printed in either *Shore & Beach* or the "Coastal Voice" e-newsletter, or both.

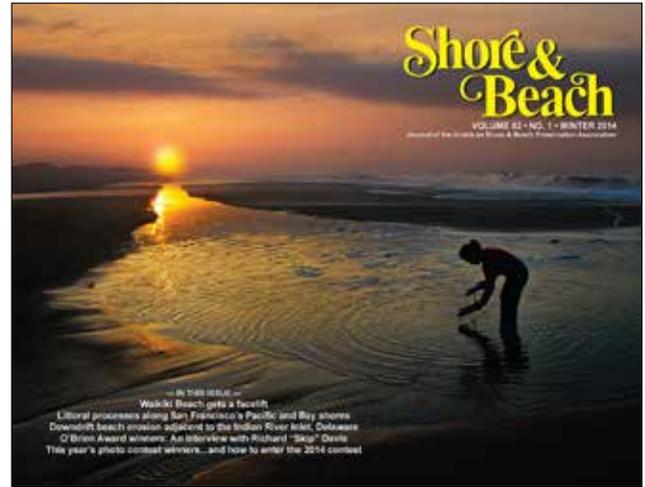
A Grand Prize winner will be selected from among the category winners to have his or her photograph printed on the cover of *Shore & Beach* and receive a one-year annual membership renewal to ASBPA.

Other entries of outstanding merit may be printed in "Coastal Voice," *Shore & Beach*, or on the ASBPA website. (Note: The editors may contact you for more information).

THE FINE PRINT: LEGAL CONDITIONS:

By entering the contest, photographers agree to the following entry rules and conditions.

Your entry in the contest constitutes your agreement to allow your photographs and your name, occupation, city and state of residence to be published as a selected award winner in *Shore & Beach*, used on websites owned by the ASBPA or otherwise displayed or published in association with ASBPA and its activities. The American Shore & Beach Preservation Association retains permission



in perpetuity for future use of the photographs in any and all ASBPA publications, materials, or activities.

Your entry in the contest also constitutes your agreement that your name, likeness, city, and winning photograph(s) may be used by ASBPA for promotional and publication purposes without compensation.

Participant warrants that his or her entry materials are original, do not infringe on any third party's rights, and that the participant has obtained any and all necessary permissions and releases from any third party if such third party appears in the photograph. Permission may not be needed for persons depicted in photographs taken in public settings such as crowded beaches where the purpose of the photograph is to show the overall setting or the environment.

ASBPA reserves the right, in its sole discretion, to disqualify any entry, and/or to not name winners in any category where photos of sufficient quality or quantity have not been received.

ASBPA reserves the right to alter the photographs submitted as it sees fit.

By entering, participants release and hold harmless the ASBPA and its officers, contractors, attorneys, agents and representatives from any and all liability for any injuries, loss, claim, action, demand or damage of any kind arising from or in connection with the contest or any prize won, any use of the entry materials by ASBPA.

ASBPA is not responsible for any incorrect or inaccurate information by any technical or human error that may occur in the processing of submissions to the ASBPA, including but not limited to any misprints or typographical errors.

ASBPA reserves the right at its sole discretion to cancel, terminate, modify, extend or suspend the contest.

ASBPA will not share or sell your personal information to any party, and winners' full addresses will not be printed.

All decisions by the ASBPA judges will be final and binding. Editors and officers of ASBPA will serve as the review and judging committee. ❖

American Beach News Service

Why science matters to our coasts

Years — even decades — of experience has proven that sound science is essential for sound coastal management and protection. So any efforts to undercut coastal science and engineering, either by cuts in funding or a general dismissive attitude — is cause for concern.

Early calls for drastic budget cuts in federal spending for crucial coastal agencies warrant the attention of coastal communities, both to support essential coastal science services at the federal level and to better understand the vital role some of these otherwise obscure agencies and programs play in protecting our coast.

Take the National Oceanic and Atmospheric Administration (NOAA), which was targeted for a 17% cut in the initial budget blueprint. NOAA not only conducts vital coastal research directly (through its Sea Grant programs as well as other initiatives), but it also funds the work of others in building coastal science efforts.

Oh, and the agency also is home for the National Hurricane Center and its attendant forecasters and satellites... which certainly should get the attention of any coastal resident who has every spent some time in the storm track bullseye.

In case anyone is unclear why science and engineering matter to our coast, let us hit the high points:

• **Sound science is the basis for sound policy.** By working with factual and reproducible outcomes based on rigorous scientific research, officials can craft policies

based on facts rather than opinions. Since science also explores the implications of a hypothesis, policies based on sound science stand a better chance of resulting in predicted benefits — and avoiding unintended impacts.

• **Science seeks solutions, a better outcome for our coasts.** If you start with an observed problem to search for a remedy, and pursue methods that can consistently return a predictable outcome, you have a much better chance of arriving at a hypothesis that can stand up over time — just what our coasts need.

• **Good science takes time — and money.** Not a lot of money, necessarily, but enough money paired with enough time... which means inconsistent funding can slow or even stop scientific advances. Scientific advances are often cumulative and institutional, best achieved when research can build upon that which has already been discerned and confirmed to achieve something amazingly new.

• **Public science equals public benefit (and private too).** Federal funding for scientific work usually helps keep those results in the public arena, where others can benefit from findings — in both the public and private sector. Much private innovation is inspired by public science and research, making it a very wise investment.

• **Data is the building block of research,** and federal agencies are often the biggest and best collectors of data around. This kind of collection drives academic and private research, as well as public

American Beach News Service

The articles were sent the second and fourth Tuesday of the month to more than 400 media outlets. We encourage members to utilize information in these communications with their clients, constituents and others. A full list of all the ABNS articles can be located at http://www.asbpa.org/news/newsroom_beachnews.htm

science... and losing that capacity even slightly has a big impact.

• **We can't forget the basics.**

For all the innovation and modeling that fuels coastal science, there is still basic science needed to help better manage our coasts. By funding basic data and on-the-ground research, federal funding can make already good coastal science even better by helping coastal professionals better understand the rudimentary physics that craft our coasts.

• **Opinions are great for arguments, but scientific facts are crucial for solutions.** Unfortunately, right now much of the federal debate is fueled by opinions — entertaining theater, perhaps, but of little use in solving our more pressing problems. If coastal communities are concerned about sea level change, meteorological trends, the changing composition of our oceans and estuaries — hey, even just the track and strength of an approaching storm — they will want data, not dictums, and facts over feelings.

It is early in the federal budgeting process, and Congress does have the final say over what an administration proposes in spending. However, when it comes to support for sound science, coastal communities don't have the luxury of complacency in hopes that Mem-

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American Beach News Service

A (not so) simple story of sediment in motion

The story of our coastlines is a tale of sediment in motion. How it moves, where it moves, why it moves — all chronicle the forces that shape our shorelines.

At its heart, this is a (not so) simple tale: Waves, winds, water and weather work together (most of the time, at least) to keep coastal sediment in constant motion. These forces ensure the coast is an ever-changing environment, albeit with changes that can be minutely subtle some days and drastically shocking on others.

Amid this fluidity, however, there are some coastal constants when it comes to sediment:

- Sediment typically moves from north to south along the coast... at least right up until it intersects with:
- Inlets are usually the major source of disruption for sediment flow.
- A coastline is a constantly changing place, both above and below the water.
- Nonetheless, coastal systems and sediments always seek an equilibrium to whatever change occurs.

While sediment works to continue its southward slog, inlets — through both interruption and hydrology — interrupt that flow, pushing sediments both seaward into shoals and landward into the inlet and the back bay. Often, efforts are undertaken — jetties, groins, channelized dredging, for example — to keep an inlet open and/or in place, which can further exacerbate the natural flow of sedi-

Please send us your favorite Beach Books!

What books do you recommend to read that have a beach setting, or are just good beach reading? Send us your suggestions and we'll include them in the June/July "Coastal Voice"!

ment along the coast.

There are a variety of options to alter and affect the flow of sediment — all with benefits and risks. That's where the advent of modeling — the ability via data collection and computer simulation to reasonably predict the consequences of coastal changes on sediment movement — has proven a boon to inlet management and a benefit to adjacent beaches.

Once the current movement of both sediment and water in and around an inlet is captured for analysis, numerical models can be run to predict (with all the usual caveats) how altering the inlet or shoreline will affect the coast. Variables such as dredging, channel depth and alignment, sediment placement or removal, adding or subtracting coastal structures and other changes to the shoreline or tidal inlet can all be run through the model, with simulation results that can be fine-tuned and improved using field data to ground-truth the model results.

The model results can tell you what should happen, if conditions evolve as predicted. Of course, nothing is ever so simple along the coast. Unanticipated changes to the conditions wrought by waves,

winds and water — usually driven by the fourth W, weather — bring unexpected changes to the sediment they shape — and that means major changes to coasts and inlets.

The impacts from storm events can be most dramatic, opening new passes or reshaping existing ones almost overnight. Once these shockwaves subside, the coastal system begins its endless quest toward equilibrium once more... but these large episodic changes in sediment movement take a long time to return to "normal," if they ever do.

This adjustment usually plays out most prominently on the adjacent beaches and inside inlets, where the always-moving sediments try to adapt to the changes to their distribution. Shoaling and erosion reshape the shoreline on both sides — all four sides, actually — of an impacted inlet. Sometimes, these radical reshaping events resulting from storms can alter a larger hydrologic system, changing the way water moves from the back bay to open ocean along a series of inlets in ways that will affect the functioning of each one.

All of this ignores the upland changes that can affect... not how sediments moves, actually, but what that movement means the further you go in from the water and waves. Look at images of inlets over decades or even longer, from their formation or wanderings when allowed to move at will, then later to how those changes are modified once the inlet's upland is hardened to limit how much it is

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Science

■ Continued from page 12

bers of Congress will sort all this out to their satisfaction.

When the noise coming out of Washington is more yelling than debating, and when things that we used to take for granted are fast becoming the exception rather than the norm, the folks back home

have an obligation to speak out in defense of good coastal science and policy.

After all, when a coastal crisis strikes, it's the residents and businesses in that coastal community who bear the brunt of how good (or how bad) that science and those policies really are. ❖

Funding

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The WIIN Act authorized a South Atlantic Coastal Study (Sec. 1204), which is a comprehensive study to proactively address the flood risks of vulnerable coastal populations within the South Atlantic Division (North Carolina to Mississippi). The study would address coastal risk management, coastal resilience, and sustainability, and be modeled closely after the North Atlantic Comprehensive Coastal Study (NACCS) (implemented after Hurricane Sandy) with extensive leveraging of lessons learned, tools, and process applied. The quickest and most efficient way to begin working on the SACS is to increase the RSM Program by \$6 million.

4. Maintain funding for data collection including: "Coastal Data Information Program (CDIP)," "National Coastal Mapping Program," and "Coastal Field Data Collection Program"

The CDIP maintains wave buoys on the Atlantic, Gulf, and Pacific coasts that provide data such as wave height, direction and sea surface temperatures. The Coastal Mapping Program is essential to

measure shoreline change across the nation. Coastal Field Data Collection supports the work of the USACE Field Research Facility in Duck, NC, which provides coastal data and research support to all federal agencies. This data is critical to engineering coastal projects, and can provide essential information about long-term coastal trends.

ASBPA is grateful to Congress for making sure the critical missions of the USACE, in particular coastal flood risk reduction and shore protection, are funded. Of course, shore protection, RSM, and long-term data collection are only a few small pieces of a much larger investment in preparing our coastal communities for increasingly intense and frequent coastal storms and hazards. Improving the resilience of coastal communities will take coordination across federal agencies working with state and local authorities. It will also take a large-scale dedicated investment in coastal infrastructure. However, a good first step in protecting coastal communities is ensuring shore protection, regional sediment management, and coastal data acquisition are appropriately funded. ❖

CONFERENCES

■ **May 23-24:** Headwaters to Ocean Conference, University of California, Irvine. Details at <http://oceans.uci.edu/headwaters-ocean-h2o-conference/>

■ **June 5:** Jersey Shore Partnership "Summer Celebration," Fort Hancock, Sandy Hook, NJ. Look for details at <http://jerseyshorepartnership.com/summer-celebration-2016/>

■ **Sept. 27-29:** FSBPA Annual Conference, Westin Fort Lauderdale Beach Resort, Fort Lauderdale, FL; www.fsbpa.com.

■ **Oct. 24-27:** ASBPA National Coastal Conference, Fort Lauderdale-Broward County Convention Center and Hilton Fort Lauderdale Marina Hotel. Abstracts are due May 8. Details at <http://asbpa.org/2017/02/23/abstracts-are-now-being-solicited-for-the-asbpa-2017-national-coastal-conference/>

■ **Nov. 13-14:** North Carolina Beach, Inlet & Waterway Association's 2017 Annual Conference. Details at www.ncbiwa.org. ❖

Sediment

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allowed to roam.

The coast doesn't care if there's a bulkhead or a building or a bridge there. Sediment still wants to move, and the inlet still impacts how all that happens.

While the science and engineering to predict what COULD happen gets better and better, it can never tell you what WILL happen over the years. That ultimately falls to waves, wind, water and weather, and how they all work to keep that coastal sediment moving along. ❖