Coastal Voice

THE NEWSLETTER OF THE AMERICAN SHORE & BEACH PRESERVATION ASSOCIATION

— November 2017 —

INSIDE:

PAGE 2: 2018 Coastal Summit: Your work, your life, your coast

PAGE 2: 2018 Coastal Summit award nominations open

PAGE 3: 2017 National Coastal Conference a resounding success

PAGE 3: WRDA 2018 with ASBPA at the table

PAGE 4: Thanks to our 2017 Coastal Conference sponsors and partners

PAGE 7-8: Coastal Project and O'Brien Award winners

PAGE 9: New ASBPA board members elected

PAGE 10: Postcards from Hawaii's beaches

PAGE 10: ASBPA officers elected

PAGE 11: New chairs named to lead Students & New Professionals Committee

PAGE 14: Orville Magoon bench dedication Dec. 9

PAGE 14: Conferences

Members make ASBPA unique

By KATE GOODERHAM, ASBPA Managing Director

DIRECTOR'S REPORT

We've begun the process of sending out membership invoices to individual members by email, and we've been amazed at how quickly people have responded. Thank you.

You support ASBPA because you are a part of it. It just isn't one of those organizations that you have to belong to. It isn't one of those organizations that goes on merrily without you. ASBPA is an organization where members count, where members make a difference. Because we are interdisciplinary, we collectively either know everything or know who knows what we need to find out! That participation gives each of us ownership in ASBPA.

A good case in point is a recent interest in storm surge. After watching the coverage of all the hurricanes this fall, a group of members were concerned about how storm surge was being presented to the public – particularly in the areas most affected by the landfalling storms. Of course the scientists and coastal engineers understood what surge was, but they collectively needed to know more about the models, the agencies that make decisions and the whole process. So, an initial group got together at the National Coastal Conference to begin the process. ASBPA's Science & Technology and Government Affairs Committees will be following up. The 2018 Coastal Summit will have at least one panel on the subject. This happens regularly — members champion an issue and work with other members.

Another example concerns beach equilibration. Of course coastal professionals understand it, but nowhere was there a good explanation and drawing to explain it to lay people in coastal communities. A working group developed a white paper that did just that! See it at http://asbpa.org/wpv2/wp-content/uploads/2016/03/WhitePaper_85_2_Profile_Eq.pdf

GOODERHAM

With ASBPA, there's always opportunities to get involved in issues and areas where you have something to add, or where you'd like to know more. Email us at managing@asbpa.org if you'd like to be a part of Government Affairs, Science & Technology, Students & New Professionals, Membership, Coastal Summit or the National Coastal Conference Committees

Our January "Coastal Voice" outlines all the things that ASBPA has done over the past year. We have great bragging rights. Right now, we'd like you to continue this 91-year journey to advocate for healthy coastlines by promoting the integration of science policies and actions that maintain, protect and enhance the coasts of America. Renew your membership today. ❖

ASBPA 2018 Coastal Summit:

Your work, your life, your coast

By MICHAEL WALTHER, 2018 Coastal Summit co-chair

ASBPA is dedicated to preserving, protecting and enhancing our coasts by merging science and public policy." This mission drives ASBPA.

ASBPA's October 2017 conference, "Beaches, Bays, and Beyond," demonstrated ASBPA's science focus across the entire U.S. coastal system - home to about half of the U.S. population. ASBPA's 2018 Coastal Summit is March 20-22, 2018, in Washington, DC, and will focus on "Working Together: Science and Policy for Resilient Coasts"

Are you proactively engaged in the decisions that drive your work, your life, and your coastal community? Or are you frustrated by the insufficient opportunities for your science-based input to policy? What good science is needed to shape public policy and inform constituents? ASBPA offers an opportunity for you to meet "face-to-face" with policymakers and scientists to contribute your input and learn from others.

To effectively work together for resilient coastal communities will require a partnership among federal, state, and local governments working hand-in-hand with scientists and engineers. Our success will stem from our relationships with the people who interpret science and public policy. We invite you to join us to bring our common message to DC where changes are made — affecting your work, your life, and coastal community.

Registration will open before Thanksgiving. ❖

Coastal Summit 2018 award nominations open

Nominations are now open for the ASBPA Congressional awards, Congressional Staffer award and Corps award, to be presented on March 21st at the ASBPA awards reception held during the Coastal Summit in Washington, DC, on March 20-22. The deadline for nominations is Jan. 19, 2018.

Congressional awards include:

• The "Coastal Advocate" award — ASBPA's highest award, a lifetime achievement award — and "Friend of the Coast," for shorter term or more project-specific contributions. Any ASBPA member may nominate one or more Members of Congress for the awards.

• The Corps award honors a member of the Corps of Engineers who contributed to the cause of beach management and preservation. For the most part these are people from the districts who make projects happen.

• The Congressional Staffer award will be given to a single staff member for his or her efforts both to promote beach preservation and to facilitate project requests in the past

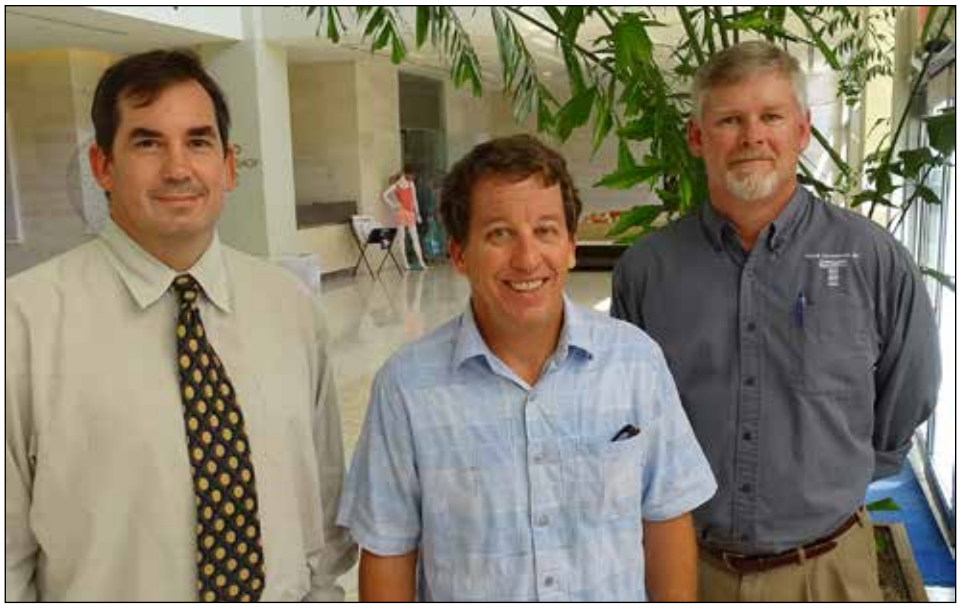
■ **Continued on next page**

The co-chairs of the Coastal Summit are veteran Summiteers Joan Pope and Michael Walther and newcomer Kathleen Riely. The three of them bring a variety of backgrounds, experiences and perspectives.

Joan Pope: In 2012, Joan retired from U.S. Army Engineer Headquarters after a career with the Corps involving a variety of practicing coastal geology and engineering, research, and management positions. At the time of her retirement, she oversaw the Corps water resource research and development Program. During her career she directed several major projects including the development of the Coastal Engineering Manual, the National Shore Erosion Demonstration Program, and Regional Sediment Management. Since retiring, she has been employed as a consultant with the Corps.

Kathleen A. Riely is executive director of North Carolina Beach, Inlet and Waterway Association. She represents the association's members on the state and local levels advocating for sound environmental policies and ensuring coastal protection. She currently serves on the Advisory Council to the North Carolina Coastal Resources Commission which establishes policies for the North Carolina Coastal Management Program. Riely holds a bachelor's degree in Chemistry and a Juris Doctor from Quinnipiac University, and previously worked at a private law firm specializing in environmental law.

Michael P. Walther, P.E., D.CE., is vice president of Coastal Tech – G.E.C., Inc, based in "mostly beautiful" Vero Beach Florida. Walther has more than 38 years of practical experience in the national arena of beach and inlet management from planning to design, permitting and construction. As a professional engineer, avid surfer, beach user, and volunteer activist, Walther is familiar with coastal resources and policy throughout the nation. ❖



Serving as conference co-chairs for the 2017 National Coastal Conference are (from left) Peter Seidle, Applied Technology & Management; Mike McGarry, Brevard County; and Ken Craig, Tayor Engineering.

2017 conference a resounding success

By KEN CRAIG, National Coastal Conference Co-Chair

Wow! What a conference!

On behalf of my fellow conference co-chairs, Mike McGarry and Pete Seidle, I want to thank everyone that made the 2017 ASBPA National Coastal Conference such a success. We set records in a number of categories including attendance (nearly 400 registered), number of presentations (184) and number of posters (26). The Broward County Convention Center was a large and beautiful facility that provided plenty of space to spread out and mingle with attendees.

A conference of this magnitude can only happen with the help of many of our members. Special thanks to Corey Aitken for coordinating the student volunteers who helped with the AV, registration, and whatever else came up; Katie Brutsche for taking over hosting duties at the Awards Luncheon and Trivia Contest on Thursday (go engineers!); and Chris Creed and Nicole Sharp for leading the post-conference field trip to Broward County beaches. In addition, the ASBPA staff (Kate and Ken Gooderham and Derek Brockbank) once again proved how invaluable their service and commitment to the organization really is. Their efforts make us all look good.

Finally, the ASBPA membership was fantastic — we even managed to have a quorum at the annual membership meeting on Wednesday afternoon. Thank you again for your participation.

Soon, you should receive a couple emails from ASBPA — one soliciting feedback on the conference and the other providing a link to the online version of the presentations. Please, please, please respond to the feedback request — we want to know what you liked and disliked about this year's conference. Your feedback is critical to make next year's conference in Galveston the best one yet! ❖

WRDA 2018 with ASBPA at the table

By DEREK BROCKBANK, ASBPA Executive Director

The Transportation and Infrastructure (T&I) Committee in the House of Representatives officially kicked off its effort to develop and pass water resources legislation in 2018 with a roundtable of stakeholders in Miami on Oct. 27. ASBPA was invited to participate in the roundtable, where I spoke about the need to expand the range of benefits that gets calculated for coastal projects, so that a beach project's benefit to cost ratio (BCR) is not based solely on its storm damage protection value.

I also pushed for changes to the Army Corps of Engineers' budgeting process to encourage more transparency and multi-year planning, so that local sponsors have a better understanding of when projects are likely to be funded. Nine members of Congress participated in the roundtable including T&I Committee chair Bill Shuster, and the chair and ranking member of the Energy & Water Subcommittee, Reps. Garret Graves and Grace Napolitano. ❖

Awards

■ Continued from page 2

legislative session.

• The Agency award will be given to a single staff member for his or her efforts to promote beach preservation.

• The Friend of the Coast Media award will be given to a media outlet for exceptional coverage of coastal news.

Nominations are due at the ASBPA offices no later than Jan. 19, 2018, and may be e-mailed to awards@asbpa.org. The nominator will need to be in attendance to receive the award. For questions, e-mail managing@asbpa.org. ❖

Reception sponsor:

APTIM

Water bottle sponsor:

THE BEACHES OF FORT MYERS AND SANIBEL
FORTMYERS-SANIBEL.COM

Mobile sponsor:

TAYLOR ENGINEERING, INC.

Field trip sponsor:

olsen associates, inc.
Coastal Engineering

Beaches, Bays and Beyond
2017 • National Coastal Conference • Ft. Lauderdale, Florida • 2017
asbpa

Lanyards sponsor:

HDR

Conference bag sponsor:

ATM DESIGN ENGINEERING CONSULTING
Coastal, Environmental, Marine & Water Resources Engineering

Break sponsors:

WEEKS
High Value Services Sustainable Solutions
CSE
COASTAL SCIENCE & ENGINEERING

NATIONAL WILDLIFE FEDERATION
SINCE 1936

CDM Smith

Luncheon sponsor:

GREAT LAKES DREDGE & DOCK COMPANY
RIVER & HARBOR IMPROVEMENTS

Notebook sponsor:

Texas Chapter ASBPA
Preservation Through Cooperation

Board breakfast sponsor:

South Padre ISLAND

Team competition sponsor:

moffatt & nichol

Awards sponsor:

USGS
science for a changing world

Exhibitors:

TenCate Geotube®
GIKEN
INTERA Geoscience & Engineering Solutions
Eastman Aggregate Enterprises, LLC
BOEM Bureau of Ocean Energy Management
McKim&Creed
SOX Erosion Solutions™
20 Years of Excellence – Dial Cordy
EarthBalance®
Broyhill – when only perfection will do
ACCESSREC
Taylor Engineering, Inc.
HDR
DHI
Mobimat by Deschamps
COPRI – ASCE
SM

AV sponsor:

Marinex Construction, Inc.

Program advertiser:

Manson Construction Co.
APTIM

Thanks to our 2017 conference partners!

Indian River Lagoon Research Institute – Florida Institute of Technology
USF University of South Florida
Atlantic Intracoastal Waterway Association – AIWA
UNF University of North Florida
FAU Department of Geosciences – Charles E. Schmidt College of Science – Florida Atlantic University
Academy of Coastal, Ocean, Port & Navigation Engineers – ACOPNE – ASCE
Coastal Sediments Conferences
FIU Arts, Sciences & Education – School of Environment, Arts and Society
Palm Beach Atlantic University
Tampa Bay Watch – Restoring the Bay Every Day
COPRI – ASCE – Coasts, Oceans, Ports and Rivers Institute
USGS science for a changing world
central east coast – a chapter of ASBPA

General sponsors:

Coastal Conference thanks

Thanks for a tremendous group of sponsors this year. They collectively outdid themselves! Thanks also to Brian Caufield for his leadership and for Derek Brockbank for taking over after Brian was deployed for post-Harvey duties.

We also want to thank our coastal partners for sharing our conference information with their members and supporters. ❖

2017 awards summary

- **Morrough P. O'Brien Award**: Erik Olsen
- **Robert L. Wiegel Coastal Project Award**: Broward County
- **Member of the Year Award**: Gary Jones
- **President's Award**: Russ Boudreau
- **Robert G. Dean Coastal Academic Award**: Britt Raubenheimer
- **Student Educational Award**: Liliana Valasquez Montoya
- **Student Coastal Advocate Award**: Bianca Charbonneau
- **Nicholas Kraus Student Coastal Scholar Award**: Thomas Huff
- **Media Award**: Ryan Mills and Eric Staats
- **Student Poster Winner**: Thomas Huff ❖

Robert L. Wiegel
Coastal Project Award:

Broward County

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. It is our lifetime achievement award for a project and this year's winner is the Broward County Federal Shore Protection Project.

From the initial Federal authorization in 1965, initial restoration in 1971 and six subsequent nourishments, the Broward County beaches have been proactively managed by Broward County in partnership with the State of Florida and the U.S. Army Corps of Engineers. The Broward County Federal Shore Protection Project provides critical storm protection to more than 4 billion dollars of upland infrastructure as well as beach and shorefront recreational enhancement to the local community as well as visitors from Florida, the nation, and across the globe.

The project also provides essential habitat for nesting sea turtles and a wide variety of shorebirds. In 2016 the most tourist-driven portion of the county's shoreline — the Fort Lauderdale Strip — received sand from an upland mine... the first federally cost-shared project of this kind in Florida. The upland sand source was successfully integrated into the project because of associated long-term improvements in project performance and reduced project related impacts to adjacent reef and hard-bottom resources compared to traditional offshore sand sources.

Nicole Sharp, Natural Resources Administrator and Beach Program Manager for Broward County, receives the Project Award from conference co-chair Peter Seidle.

For well over 15 years, Broward County has coordinated with multiple stakeholders to overcome nearshore hard-bottom issues. The project saved millions of dollars on hard-bottom mitigation while improving project longevity along a reach of shoreline where frequent beach fill projects can have significant adverse impacts to highly sensitive and economically important biological and nearshore hard-bottom resources. ❖

Far left: Russ Boudreau (left) receives the President's Award from fellow ASBPA Vice President Phill Roehrs. Left: ASBPA Secretary Gary Jones receives the Member of the Year Award from ASBPA Managing Director Kate Gooderham.

Morrough P. O'Brien Award:

Erik J. Olsen

The Morrough P. O'Brien Award is the ASBPA's highest honor and is given annually to an individual or organization on the basis of 1) an outstanding record in achieving the objectives and ideals of ASBPA; or 2) for major direct contributions to ASBPA. The award reads:

Whereas, Mr. Erik J. Olsen has spent over 40 years working to define the importance, approach, and objectives of the modern coastal engineer — bringing the art and science of coastal engineering from the Academic to the Applied, and

Whereas, Mr. Olsen co-founded the first engineering firm in Florida specializing solely in coastal engineering, Florida Coastal Engineers, which ultimately became extremely successful and established the need for consulting engineers that practiced uniquely in the complex, emerging art of coastal engineering, and

Whereas, Mr. Olsen then founded his successor firm, Olsen and Associates, in 1982 and continues a leading edge practice in solely applied coastal engineering, particularly beach restoration, and

Erik Olsen (left) receives the Morrough P. O'Brien Award from ASBPA Vice President Phill Roehrs.

Whereas, Mr. Olsen developed the first privately funded large-scale beach renourishment in Captiva Island, Florida and then again at Hilton Head Island, South Carolina, and

Whereas, Mr. Olsen has been involved with many innovative coastal projects including Fisher Island, Florida, where he created a unique groin field adapted from work in Russia and nourished the beach with Florida's first and only large-scale imported Bahamian sand, and

Whereas, Mr. Olsen has been an active member of the American Shore & Beach Preservation Association since the 1970s and was a board member for 10 years.

Now, therefore, be it resolved that for these and other contributions to numerous to name, Mr. Olsen has served to further the mission and ideals of the American Shore and Beach Preservation Association. As president of the ASBPA, on this 26th day of October 2017, it is my honor to present Mr. Erik J. Olsen with the Morrough P. O'Brien Award for this estimable body of achievements — ***Tony Pratt***. ❖

Britt Raubenheimer (left) receives the 2017 Robert G. Dean Coastal Academic Award from ASBPA Vice President Nicole Elko.

Conference luncheon speaker Allen Ten Broek.

Left: Thomas Huff receives the 2017 Nicholas Kraus Coastal Scholar Award from ASBPA board member Tiffany Roberts-Briggs.

Right: Bianca Charbboneau receives the 2017 Student Coastal Advocate Award from ASBPA Executive Director Derek Brockbank

Left: Liliana Velasquez Montoya (left) receives the 2017 ASBPA Student Educational Award from Awards Chair Katie Brutsche.

New ASBPA board members elected

At the annual meeting, Russ Boudreau, Mark Osler, Tamara Pigott, Reuben Trevino, Joan Pope, Tom Richardson, Phill Roehrs, Julie Rosati, Pete Seidle, and Michael Walther were re-elected to the Board of Directors. Linda Lillycrop, Jon Miller, Kathleen Riely and Cris Weber were newly elected. John Lee chose not to return to the board. ASBPA appreciates his many years of service.

Here's a brief summary about our new directors:

Linda Lillycrop is a coastal engineer with the USACE Coastal and Hydraulics Laboratory, Engineer Research and Development Center. As Program Manager, National Regional Sediment Management Program, she works with USACE Programs, Districts, stakeholders, and partners to improve the management and use of sediments across coastal, inland, and estuarine projects and systems in order to increase economic, environmental, and social benefits. Lillycrop received a BS in Aerospace Engineering from the University of Florida, and an ME in Ocean Engineering from Texas A&M University.

Jon Miller, Ph.D., is a Research Associate Professor of Coastal Engineering at Stevens Institute of Technology in Hoboken, NJ. He earned his Bachelors in Civil Engineering from Stevens, and his Masters and Ph.D. in Coastal Engineering from the University of Florida. Miller currently serves as the New Jersey Sea Grant Coastal Processes Specialist, Director of the New Jersey Coastal Protection Technical Assistance Service (NJCPTAS), and faculty advisor to the Stevens student chapter of ASBPA.

Cris Weber, P.E., is the Coastal Engineering Manager for Freese and Nichols with more than 20 years of

■ Continued on next page

Postcards from Hawaii's beaches

By DEREK BROCKBANK, Executive Director

In October, I had the pleasure of attending Coastal States Organization's annual meeting in Honolulu, Hawaii, as well as meeting with members of our Hawaii Chapter, HSBPA, and touring some of the incredible (and threatened) beaches of Hawaii. Here are some thoughts:

Hawaii (a.k.a. the "Big Island") — Although not known for its beaches, the Big Island had the most fascinating beach I've ever seen. Punalu'u black sand beach is a coarse-grained, but sandy, beach that is as black as the lava it comes from. Just 20 miles from where lava is actively pouring into the ocean creating new land, this beach has sunbathing sea turtles and tourists alike. Punalu'u, like all Hawaii beaches, belongs to the public with easy access points and has free parking. (Sadly, I didn't have time to visit the green sand beach, formed from a concentrated deposit of the volcanic mineral, olivine.)

■ Continued on page 12

Board

■ Continued from page 9

experience as a project engineer and project manager. Weber is a registered civil engineer in Texas and Florida and has been the project manager and technical lead on a variety of coastal, riverine and civil engineering interdisciplinary projects, providing technical expertise ranging from oyster reef restoration and bird island habitat protection to hard and soft nearshore structure design to dredging and dredge material placement operations.

Kathleen A. Riely is executive director of North Carolina Beach, Inlet and Waterway Association. She represents the association's members on the state and local levels advocating for sound environmental policies and ensuring coastal protection. She currently serves on the Advisory Council to the North Carolina Coastal Resources Commission which establishes policies for the North Carolina Coastal Management Program. Riely holds a bachelor's degree in Chemistry and a Juris Doctor from Quinnipiac University, and previously worked at a private law firm specializing in environmental law. ❖

ASBPA officers elected

ASBPA's first set of Policies and Procedures were approved in the Board of Directors' meeting held Oct. 25 as part of the National Coastal Conference. The most significant change is that Vice Presidents now each have an area of oversight. The new officers are:

• Tony Pratt is returning as President.

• Cameron Perry is returning as Treasurer.

• Gary Jones is newly elected as Secretary.

• The Vice President for Science & Technology is Nicole Elko. She oversees the Science & Technology, the National Coastal Conference and the Technical Advisory Committees.

• The Vice President for Policy is Phill Roehrs who oversees the Government Affairs, Coastal Summit and Elected Official Advisory Committees.

• The Vice President for External Communications is Lee Weishar who oversees Media Relations and Best Restored Beaches Committees as well as Partner Organizations and the Website.

• The Vice President for Member & Chapter Relations is Gordon Thomson who oversees Coastal Voice as well as the Membership, Education, Shore & Beach and Student/New Professional Committees.

• Executive Committee: The Executive Committee will meet at the Galveston Park Board offices on Jan. 18, 2018. ❖

New chairs named to lead Student & New Professionals Committee

Members of the Students & New Professionals Committee attending the 2017 ASBPA National Coastal Conference meeting during the conference.

Tiffany Roberts Briggs started the Student and New Professional Committee in 2010. It started as a way for students to interact with professionals at conferences and developed into a very active committee with its own Facebook page. The committee:

• Aims to involve future scientists, engineers, managers, and coastal stewards in achievement of the organization's top priorities and concerns.

• Engage students and new professionals in the organization and at conferences.

• Meets monthly via teleconference to discuss student chapters, student involvement activities, and student/new professional opportunities.

• Coordinates monthly student/new professional guest writer article in "Coastal Voice."

The new chairs are Corey Aitken (students) and Eve Eisemann (new professionals).

Corey Aitken is one of the co-chairs of the Student and New Professional committee within ASBPA. He is currently a Ph.D. student of geosciences at Florida Atlantic University, studying under Dr. Tiffany Roberts Briggs. Before enrolling in graduate school, he had worked for a contracting company during the MC252 incident in the Gulf of Mexico. He graduated from the University of Rhode Island with a Bachelor's of Science in Marine Affairs. He has been involved with ASBPA since 2015, having volunteered at the 2015 and 2016 conference. For the 2017 Coastal Conference, he was volunteer coordinator. He is looking forward to creating a place for the students and new professionals within ASBPA to network with each other as well as with the established professionals. If you wish to contact him regarding the Student and New Professional Committee, contact him by email at coreyaitken115@gmail.com

AITKEN

EISEMANN

Eve Eisemann recently joined the U.S. Army Engineers Research and Development Center (ERDC) Coastal and Hydraulics Laboratory (CHL) as a Research Physical Scientist, beginning in October 2017. She works from the Joint Airborne Lidar Bathymetry Technical Center of Expertise (JALBTCX) where she contributes to the Army Corps' research and development efforts addressing coastal vulnerability and resilience. Eve received my master's degree in 2016 from the University of Southern Mississippi in Marine Science with a focus in Coastal Geology and received her bachelors of science in Geology from Temple University in 2014. She is excited to begin working with and getting to know the enthusiastic ASBPA students and new professionals as well as learn more about ASBPA itself! She can be reached by email at Eve.Eisemann@usace.army.mil. Don't hesitate to contact her with questions or if you're interested in joining the committee. ❖

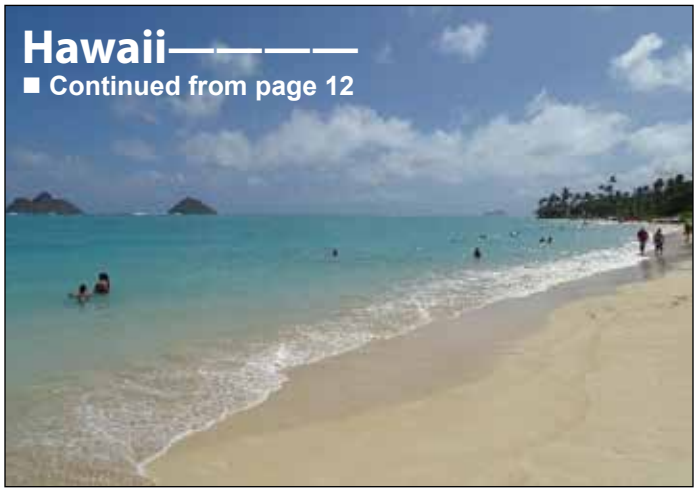
Hawaii

■ Continued from page 10

Waikiki — One of the most iconic beaches in the world, Waikiki is also one of the toughest to manage. Waikiki is the prime tourist district of Hawai'i and is within the primary urban core of Honolulu. It is entirely engineered with a mishmash of erosion control structures, historical beach fills and beachfront development that has occurred over nearly a century with, until recently, little long-term planning. A 2012 re-nourishment project earned Waikiki an ASBPA 'Best Restored Beach' award, but ongoing erosion and heavy use 365-days-a-year means the beach must be constantly kept up. HSBPA Chapter President Dolan Eversole was instrumental in creating, and now coordinates, the "Waikīkī Beach Special Improvement District" made up of all the commercial properties in the Waikiki district to fund and plan for beach maintenance and improvement. Eversole, who also works with Hawaii Sea Grant, serves as a facilitator between commercial interests, the state of Hawaii and the Army Corps of Engineers to ensure erosion problems get immediate "emergency-band-aid" fixes to keep the beach open and mid-range responses, all while coordinating stakeholders in the development of a long-term vision for Waikiki beach.

The North Shore — The world's surfing mecca has some of most high-energy beach systems in Hawaii, and (not surprisingly) is facing erosion challenges. Homes built right on the beach are subject to a hugely dynamic system, with seasonal changes to the beach profile leaving some homes with little protection during parts of the year. Recent El Niño events, coupled with rising sea levels and old (unpermitted) sea walls, have exacerbated erosion and put a few homes in imminent danger. The state is currently grappling with the legality of what can be done. With such a high-energy coast, nourishment is not considered feasible but coastal dune restoration may provide a short-term solution, but either could impact (or at least be perceived to impact) lateral coastal access and impact the legendary surf breaks nearby. Armoring here would inevitably further erode one of Hawaii's most beloved and important coastal resources. Buy-outs may be necessary, but will cost many millions of dollars for some of the most expensive properties in the area, and would need willing sellers or overcoming numerous legal hurdles. But doing nothing and letting homes collapse into the surf and sea — with corresponding debris, pollution and destruction of a picturesque beach — is clearly the worst option. How Hawaii handles this could set nationwide precedents.

■ Continued on next page



Hawaii

■ Continued from page 12

Hawaii faces many challenges to managing its coastline. Its hazards are cinematic in scope (how many other coastal managers plan for tsunamis, hurricanes, sea-level rise and lava flow!?), and its restoration has unique twists on common problems.

Hawaii's biggest permitting challenge is getting through Clean Water Act 401 permitting, where a hard-line stance by the state Department of Health doesn't allow hydraulically pumped sand to be pumped directly on the beach, but requires "de-watering" and truck hauls after dredging. Finding sand sources is also a challenge particularly given that most beaches are carbonate (derived from old coral deposits) and, as volcanic islands, offshore gets very deep very quickly.

And of course funding is always a struggle; with no federal projects, beach restoration is funded entirely locally, and many locals are only just beginning to understand that Hawaii's beaches – especially those on developed shorelines – take management and restoration to be maintained.

While Hawaii's challenges are unique, its beaches are some of the most beautiful in the world. And, with no disrespect to Florida, California, New Jersey or any number of other states, no state is more economically and socially connected to its beaches than Hawaii. ASBPA is proud to stand with our Hawaii chapter and members, to nationally shed light on the remarkable work being done for beach and coastal restoration and research in the archipelago of the Aloha State.

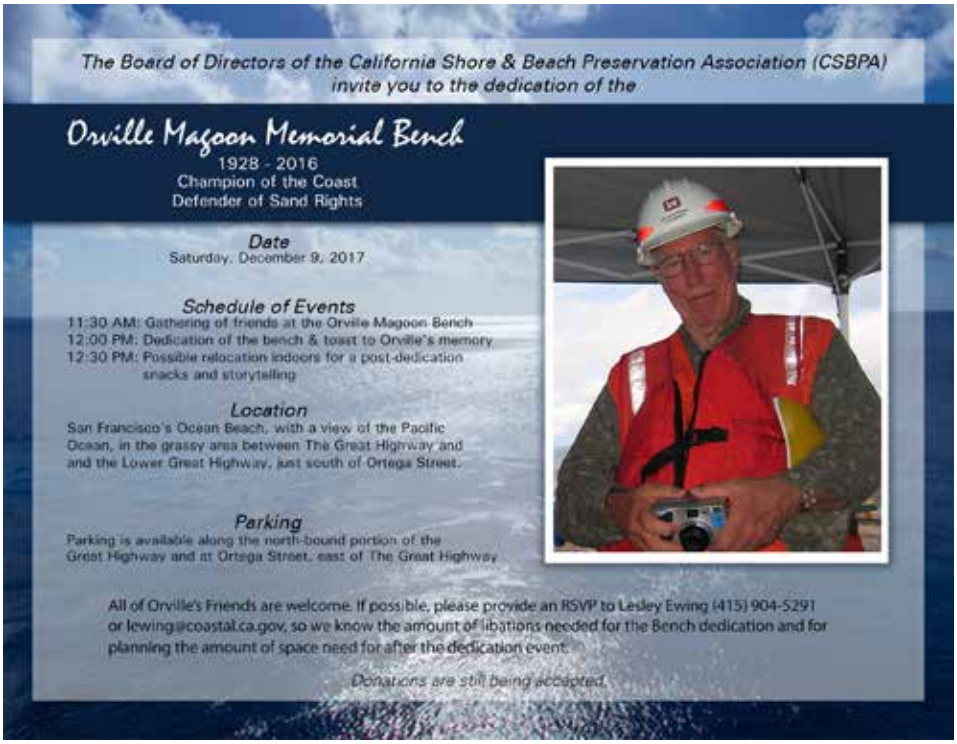
If you're interested in learning more about Hawaii's beach restoration, HSBPA's white paper from 2015 is a comprehensive, but concise review of challenges and recommended solutions: http://asbpa.org/wpv2/wp-content/uploads/2016/09/HSBPA-2014-Beach-Restoration-White-Paper.pdf. ❖

Kailua, Lanakai and He'eai — The windward side of Oahu has picture-postcard beaches, with fine-grained "sugar" beach sand protected by fringing coral reefs, and is home to the newest National Estuarine Research Reserve (NERR) in the country. He'eia is a coral reef, ancient fish pond and agricultural wetland system, harvested and farmed by Polynesians for 800 years. It was dedicated as a NERR in January 2017, and is serving as a laboratory in how to manage coral in a warming world. He'eia is in a bay where the air has an average of 550 ppm of carbon dioxide, giving it higher water acidity than most reefs, and a glimpse into what much of the marine world may look like in 50-100 years. Recent bleaching events have damaged (but not destroyed) the coral, and researchers are trying to understand if and how corals may be able to adapt to warming and acidifying ocean.

Digital collection offers 90 years of ASBPA

Shore & Beach 1933-2016

The digital collection of all the past *Shore & Beach* magazines (including a searchable index) from 1933 to 2016 and conference proceedings from 1927 through 1929 all on a convenient DVD is now available on a flash drive or a DVD. The cost is $90 for members (or 5 for $350), $190 for non-members $250 for libraries and other institutions. Fill out the order form (online at http://asbpa.org/wpv2/wp-content/uploads/2016/11/DVDOrderformASBPAfillable.pdf) and enclose a check or credit card information and send to ASBPA, 5460 Beaujolais Lane, Fort Myers, Florida 33919. If using a credit card, you can email or fax the info. ❖



Save the date

On Saturday, Dec. 9, the California Shore and Beach Preservation Association will hold an Orville Magoon Memorial Bench Dedication at noon at San Francisco's Open Beach. RSVP to Lesley Ewing at Lesley.Ewing@coastal.ca.gov.

WWW.ASBPA.ORG

Thanks for a wonderful 2017 National Coastal Conference! We appreciate you all and enjoyed learning so much and making new connections. We also really appreciate our sponsors and their contributions. Please click through to our partner and sponsor websites and show your support! Up next you'll start to see information on next year's Coastal Summit. Mark your calendars to join us in D.C. next spring for some quality time with our government officials and agencies.

Don't forget that all the latest Beach News and updates on legislative action items are linked to our home page. Follow us on Twitter and "like" us on Facebook to stay up to date with all of the latest news and happenings.

*— **Beth Sciaudone, Ph.D., ASBPA Webmaster*** ❖

amazonsmile
You shop. Amazon gives.

You shop, ASBPA wins!

A reminder as you begin you holiday shopping, please make any purchases at Amazon.com, using Amazon Smile with ASBPA listed as your charity! Anything you buy on Amazon.com, you can also buy though smile.amazon.com, but doing so will provide ASBPA a small contribution (0.5% of whatever you purchase).

Go to smile.amazon.com and select American Shore & Beach Preservation Association, or use the link: http://smile.amazon.com/ch/53-0218954. ❖

CONFERENCES

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

■ **Nov. 15-16** Atlantic Intracoastal Waterway Association Annual Meeting the Blockade Runner in Wrightsville Beach, NC, Details at www.atlanticintracoastal.org.

■ **Feb. 7-9, 2018**: FSBPA Tech Conference at the Edgewater Beach Resort, in Panama City Beach, FL. Look for details at FSBPA.com

■ **March 20-22, 2018**: ASBPA's Coastal Summit, ASAE Conference Center, 1575 I Street NW, Washington, DC.

■ **July 30-Aug. 3, 2018**: International Conference on Coastal Engineering, ICCE 2018, Baltimore, MD. Details at www.icce2018.com/

■ **Oct. 30-Nov. 2, 2018:** ASBPA's National Coastal Conference, Galveston Island Convention Center, Galveston, Texas. ❖

Position asvailable

Senior Coastal Engineer position open at Coastal Geologic Services in Bellingham, WA, a small, independent consulting firm. Model, design and implement projects for gravel-sand beach and estuarine systems. Minimum of eight years' professional experience including project management experience required. http://coastalgeo.com/careers.php