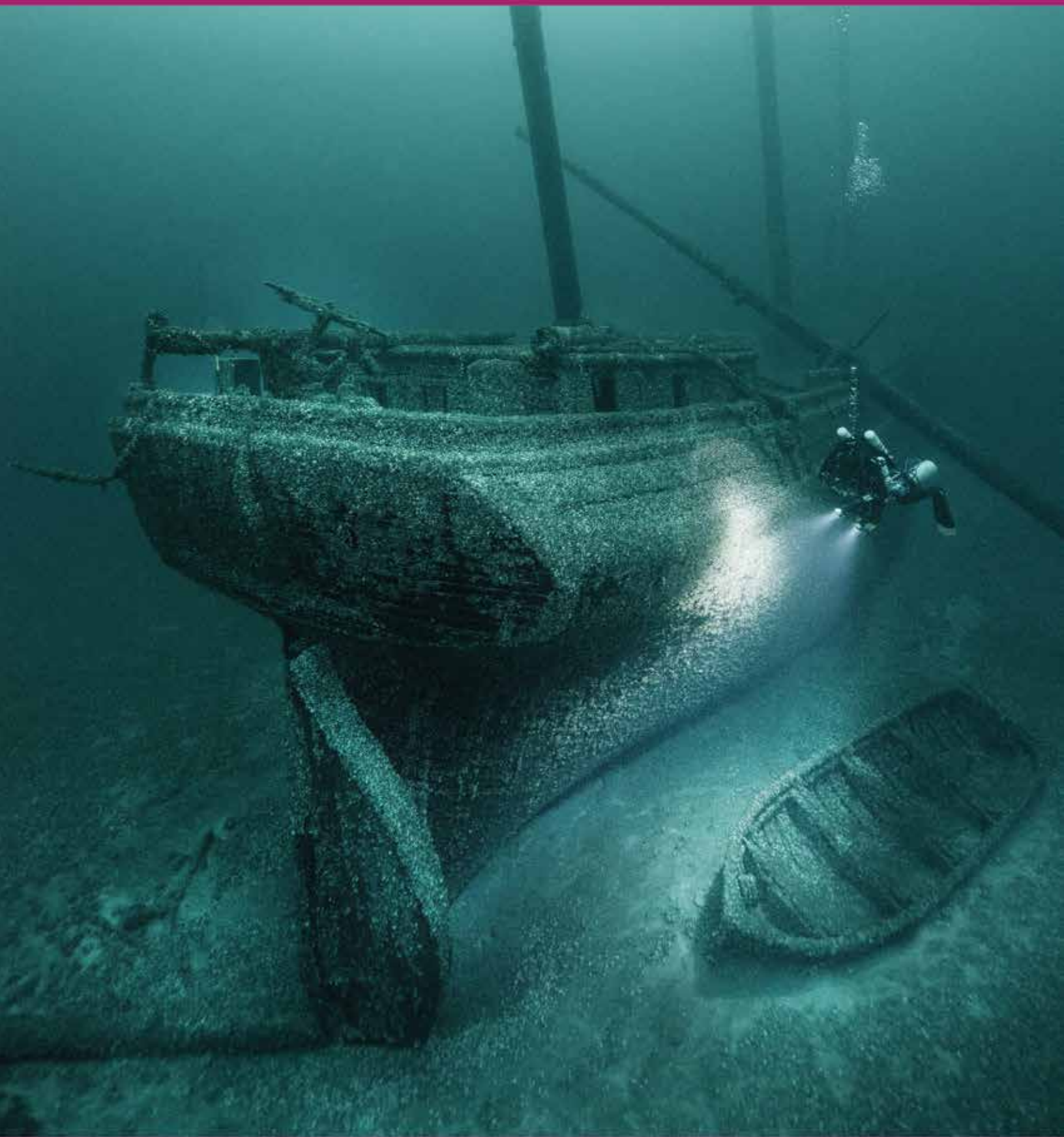


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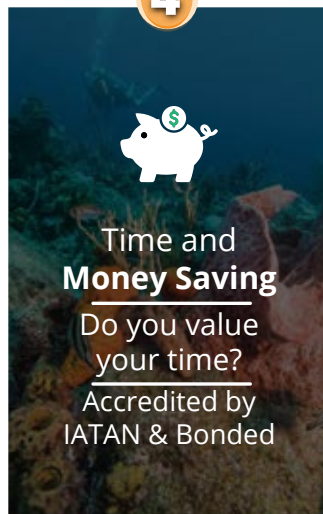


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## President's Welcome

For the past 63 years the Boston Sea Rovers have been dedicated to raising awareness of the underwater world. Throughout the year our all-volunteer club toils tirelessly to bring you the best of the best in scuba education, underwater filmmaking, travel, scientific discoveries and much, much more. In recognition of their hard work, I'd like to thank everyone that helps make the show a big success each year.

Each Sea Rover donates countless hours to our cause because the ocean and its inhabitants mean a lot to each and every one of them. If you're attending the show, I'm guessing the ocean is important to you as well. While your presence alone helps support our mission, I bet you can help out even more than you think. The act of introducing a friend to the show or to scuba diving can have a huge positive impact. If everyone in attendance made it a point to bring a dive buddy who's never attended the show, or encouraged someone interested in trying scuba to sign up for one of our free discover scuba demos on Saturday, I can only imagine how much greater impact we could have together. Please mark your calendar with next year's show dates, March 10th and 11th, 2018, and think, "Who can I share this great experience with?" Make a note to email them next February with the idea. You can also like our Facebook page, join our email mailing list, or just talk about the show at lunch with your friends.



As always, if you're interested in getting more deeply involved with the Boston Sea Rovers than that, please contact me directly at: [ethan@gordonmultimedia.com](mailto:ethan@gordonmultimedia.com). Enjoy the show!

Ethan Gordon  
President, Boston Sea Rovers

## Program Guide Index

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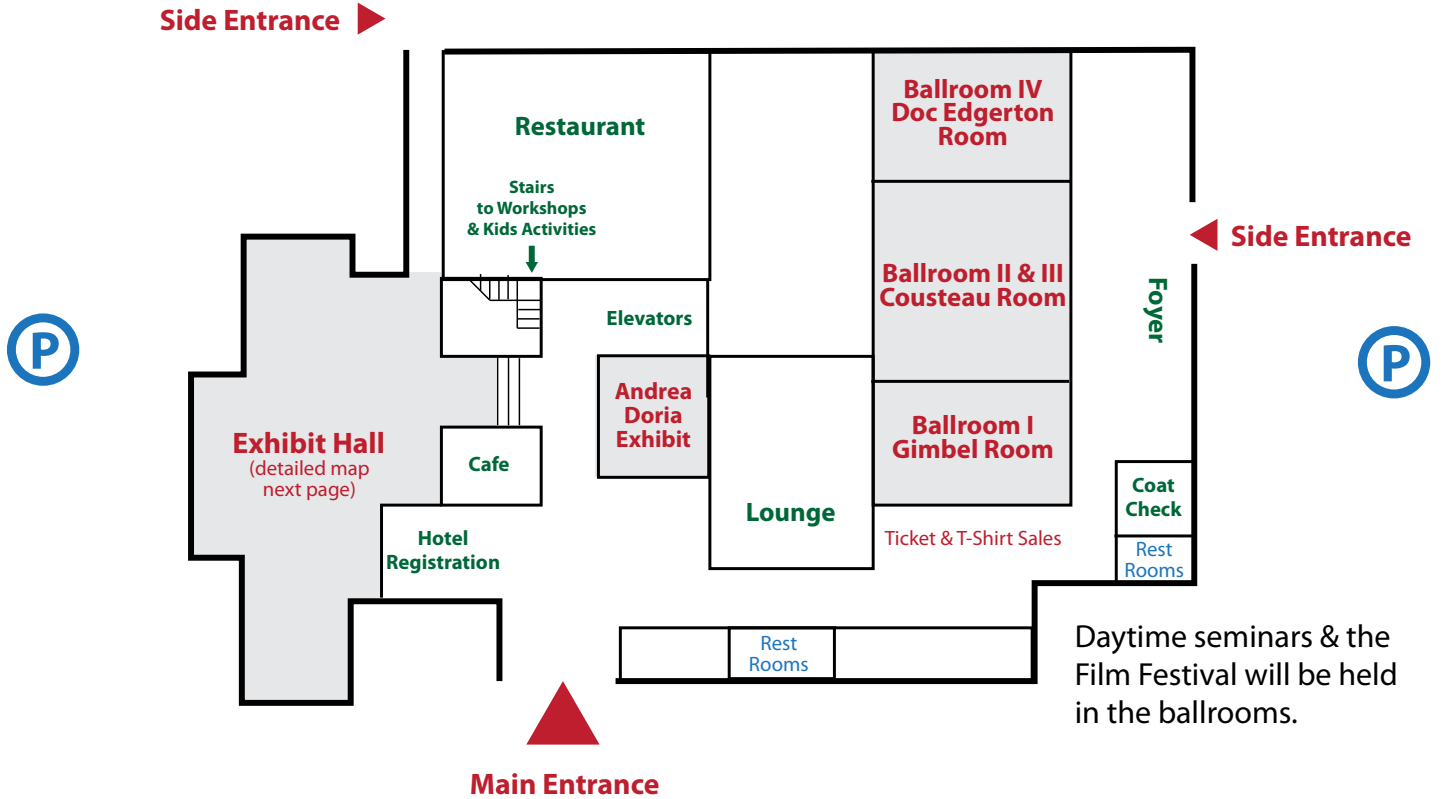
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# Show Map - DoubleTree by Hilton Boston North Shore, Danvers, MA

Coco Key Water Park

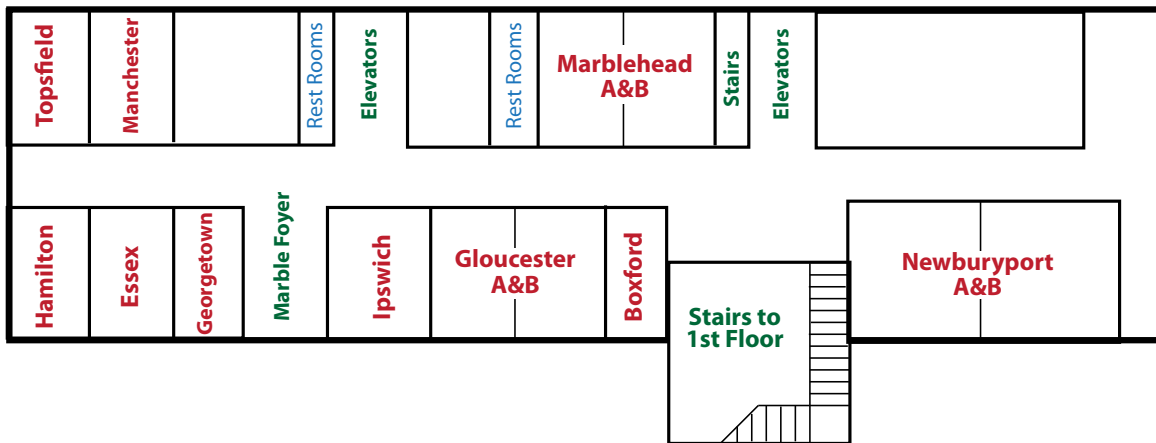


## Main Floor



Workshops and Sunday Kids' Day Activities are located on the 2nd floor, accessible via elevators, or the grand staircase near the exhibit hall.

## 2nd Floor



## Show Sponsors

The Boston Sea Rovers would like to extend a hearty thank you to those companies who have supported our mission with their generosity. Please be sure to support them by visiting: [www.bostonsearovers.com/sponsors](http://www.bostonsearovers.com/sponsors) and following the links to their websites.

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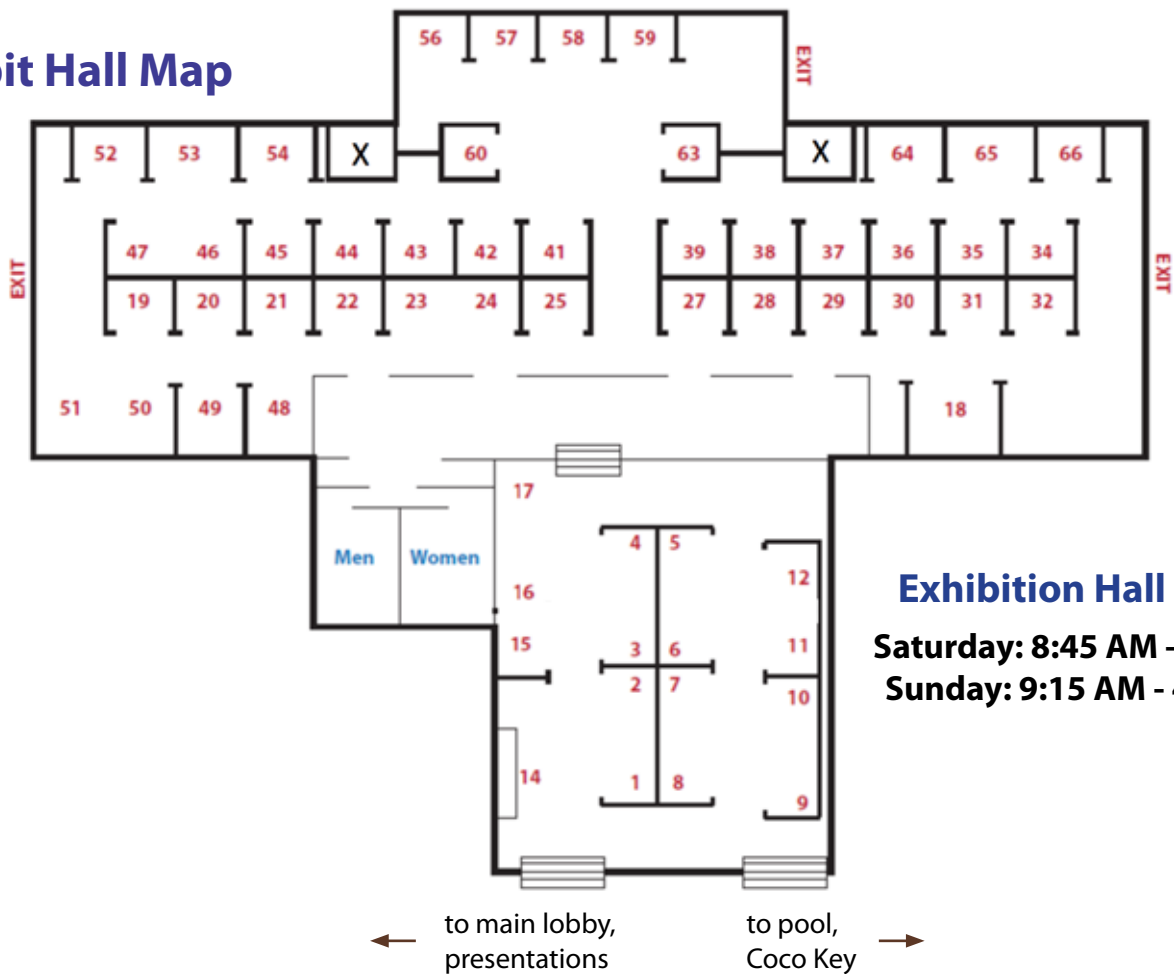


### Bronze Sponsors & Large Item Donors





# Exhibit Hall Map



## Exhibition Hall Hours

**Saturday: 8:45 AM - 5:00 PM**

**Sunday: 9:15 AM - 4:00 PM**

All Star Liveboards, Bahamas	20	Mares/SSI	5
Arenui Boutique Liveboard	39	Mass Diving	7 - 8
Atlantic White Shark Conservancy	36	Massachusetts Division of Marine Fisheries	65
Atlantis Dive Resorts and Liveboards	44	Massachusetts Enviromental Trust	66
Backscatter	1 - 2	Massachusetts State Police	14
Bay State Council of Divers	59	NAUI Worldwide	30
Best of PNG	23	New England Aquarium Dive Club	60
Big Blue Aquatic Gifts	63	North Shore Frogmen	56
Boston Scuba	35	Ocean Geographic	53
Buddy Dive Resorts Bonaire	47	Ocean Technology Systems (OTS)	32
Cape Ann Charters / rEvo	6	OceansWide	31
Caradonna Dive Adventures	29	OMS	15
Casa del Mar Cozumel Hotel & Dive Resort	45	Operation Blue Pride	50
Cayman Islands Department of Tourism	24	Pindito	25
Coco View Resort	46	Reef & Rainforest	22
Core Aquatics - Oceanic/Hollis/SeaLife/SDI	4	Reef Environmental Education Foundation	37
Deep Blue Adventures	41	Salem State University Dive Club	57
Divers Alert Network	9 - 10	Scuba St. Lucia at Anse Chastanet Resort	19
DUI	16 - 17	Shearwater Research Inc	42
East Coast Divers	11 - 12	South Shore Neptunes	58
Eastern Carolina Artificial Reef Association	34	Turquoise Bay Resort	28
Explorer Ventures Liveboard Fleet	21	Undersea Divers	27
Interspiro	3	US Virgin Islands Dept of Tourism	48
Liquid Productions, Inc.	49	Wreck Diving Magazine	43
Manta Industries	18		

## Door Prizes, Auctions & Raffle Items

This year is a banner year for incredible prizes for you to win. Be sure to fill out the back of your tickets and get them in the bin by the ticket sales booth. Winners will be drawn throughout both days of the show and the winners list will be updated regularly, so be sure to keep checking. In addition, be sure to purchase raffle tickets and check out the silent auction for a chance to win more great prizes. **All daytime prizes must be picked up in person no later than Sunday at 3PM, or will be forfeited. Some of these special prizes will be awarded off the Film Festival stage on Saturday night. You must be present to win.**

Proceeds from the Sea Rovers Raffles support our mission of Education, Conservation, and Exploration of the Underwater World. Funds are used to help produce the show each year and for special programs like COMS and the Boston Sea Rovers Summer Internship. Please continue to support these important programs and our sponsors.

## 2017 Film Festival Drawing!

**Winners must be present at the Film Festival to win. The winners will be selected at the end of intermission and must come up to the stage at the end of the Film Festival to claim their prizes.**

7-Night Stay with meals at Walindi Plantation, in Papua New Guinea

Approximate value \$2,890. \*

1-Set of Sherwood Dive Gear - Approximate value \$1,200. \*

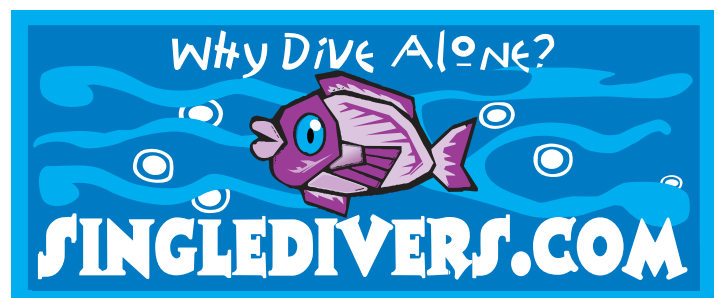
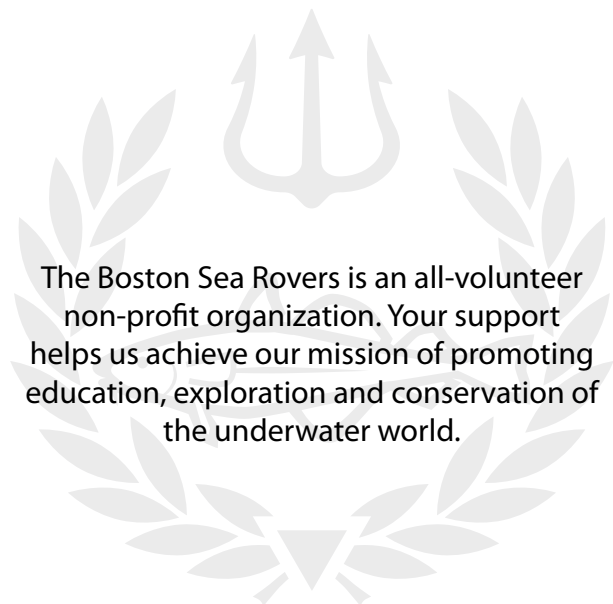
1-Dive in the New England Aquarium's Giant Ocean Tank - Approximate value - priceless!



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Your chances of winning: 1 in 30! A maximum of 200 tickets will be sold, prized include:



10 nights accommodation on any luxury Dive Damai vessel - only 3 divers per guide!

Courtesy of Reef & Rainforest.

Approximate value **\$6,160.**\*



PINDITO

Trip aboard one of Indonesia's most experienced dive vessels, the *Pindito*. Approximate value

**\$5,000.**\*

ATLANTIS  
*Philippines*

7 night trip aboard the Bilikiki to the Solomon Islands! Courtesy of Reef & Rainforest.

Approximate value **\$3,640.**\*



7 nights accommodations in the Philippines, courtesy of Atlantis Dive Resorts and Liveboards.

Approximate value **\$2,200.**\*



A DUI Yukon Drysuit.

Approximate value **\$1,500.**\*

A Shearwater Perdix computer.

Approximate value **\$1,175.**\*



Zeagle Ranger BCD from Boston Scuba.

Approximate value **\$750.**\*

Scubapro MK17 G260 Regulator.

Approximate value **\$615.**\*



## 2017 Raffle! \$5 per ticket, 3 for \$10

The amazing prizes for the 2017 Raffle include:

1-Week Trip to Saba/St. Kitts with Explorer Ventures - Approximate value \$2,095.\*

4-Night Stay at Maluku Divers, in Indonesia - Approximate value \$1,200.\*

Weeklong Cruise Aboard Blackbeard Cruises, Bahamas - Approximate value \$995.\*

1 Scubapro Seahawk BCD (or Ladyhawk) - Approximate value \$645.\*

1 - Deep Six Gear - Single Tank Regulator Package - Approximate value \$565.\*

1 Atomic Z2 Regulator - Approximate value \$450.\*

1 DAN Trauma Kit - Approximate value \$350.\* & 1 Manta Industries Wreck Reel - Approximate value \$100.\*

\* See full item descriptions, rules and regulations sheet where the raffle tickets are sold. Additional fees and taxes may apply. Winners are responsible for any additional fees and taxes. Prizes are non-transferable and can not be sold or redeemed for cash value.



The 2016 Boston Sea Rovers and friends: Kneeling (L to R): Mike Guglielmo, Jeff Pagano, Steve Gatto, Bill Buckley, Tom "Big Daddy" Murray, Lisa O'Malley, Pat Morton, Mike Zappala, Amy Giannotti, Jake Duvall, Becky Schott (eve. spkr.), George Buckley, Butch Hendrick. 1st Row: Ed Hayes, Zig and JoAnn Zighn, Joy Marzolf, Jenny Collister, Nancy McGee, Pat Stayer, Amy Maurer, Holly Bourbon, Greg Skomal, Marty Klein, Cindy Butts, Evelyn Dudas, Julie Ouimet, Michel Labrecque, Kim Malkoski, Joe Romeiro. 2nd Row: Matt Marcoux, Paul Leonard, Woody Tinsley (now single & available), Mike Williams, Jim Stayer, Mike Lodise, Chris Meyfarth, Bill VanderClock, Rick Stanley, Ted Maney, Mark Dixon, Kate Douglas, Pete Narwrocky, Ricky Simon, Andrea Zafares, Tom Packer, Vin Malkoski. Back Row: Mort, Nick Fazah, Alex Dulavitz, Pete Symasko, Bill O'Malley, Roger Hanlon, Ethan Gordon, Paul Cater Deaton.

## The 2017 Boston Sea Rovers

### ***Board of Directors***

Dave Morton, Chairman  
 George Buckley  
 Ethan Gordon  
 Pat Morton  
 Mike Zappala

### ***Officers***

Ethan Gordon, President  
 Mike Zappala, Treasurer  
 Nick Fazah, Vice President  
 Kim Malkoski, Vice President  
 Keith Kelly, Secretary

### ***Active Roster***

Bill Buckley  
 Mark Dixon  
 Alex Dulavitz  
 Jake Duvall  
 Laura Gallagher  
 Mike Guglielmo  
 Paul Leonard  
 Vin Malkoski  
 Ted Maney

Matt Marcoux  
 Joy Marzolf  
 Amy Maurer  
 Chris Meyfarth  
 Woody Tinsley  
 Bill VanderClock  
 Rob Weintraub  
 Mike Williams

### ***Friends of the Rovers***

Dan Dolan, Abby Gordon, Jennifer Gordon, Valerie Gould, Dawn Guglielmo, Ryan Hunter, Amy Malkoski, Dee Malkoski, Rob Robison, Zach Whalen, Dave Zappala

## Boston Sea Rovers Honorary & Associate Members

### **Honorary Members**

Glenn Butler	Sylvia Earle	Roy Keiser	Julie Ouimet	Greg Skomal
Don DeSantis	Cynthia Butts	Marty Klein	Bill O'Malley	Rick Stanley
Stan Waterman	Nick Caloyianis	Cris Kohl	Lisa O'Malley	Jim Stayer
Joe Linehan	Bernie Campoli	Gary Kozak	Dan Orr	Pat Stayer
Ed Hayes	Bob Cartier	Emory Kristof	Faith Ortins	Greg Stone
Joseph Hohmann	Bob Cembrola	Michel Labrecque	Tom Packer	Peter Symasko
Sam Raymond	Micheline Cignoli	Ken Lavigne	Jeff Pagano	Eric Takakjian
<b>Associate Members</b>	Jenny Collister	Carol Gross	Frank Panaccio	Neil Tassel
Gracie Atkins	Alexandra Cousteau	Dicky Gross	Wes Pratt	Susan Tunis
Paul Atkins	Philippe Cousteau	Howard Hall	Smokey Roberts	Terrence Tysall
Bob Ballard	Bill Curtsinger	Michele Hall	Joe Romeiro	Dave Wagstaff
Julie Barber	Chuck Davis	Roger Hanlon	Pat Rooney	Barrie Walden
Clarita Berger	Paul Cater Deaton	John Hannon	Rick Rosenthal	Berkley White
Carol Besgen Lively	Fred Dion	Jill Heinerth	Tony Salerno	Andrea Zaferes
Peter Besgen	David Doubilet	Butch Hendrick	Bradley Sheard	Zachary Zevitas
Ali Borowski	Kate Douglas	Walter Hornberger	Rick Simon	JoAnn Zigahn
Holly Bourbon	Evelyn Dudas	Hank Keatts	Dave Sipperly	Zig Zigahn
Ernie Brooks	Bill Dworet	June Keiser	Pete Nawrocky	Brian Skerry

## The Boston Sea Rovers Mission

The Boston Sea Rovers is an all-volunteer non-profit organization dedicated to Education, Conservation and Exploration of the Underwater World. It is our mission to organize this yearly event designed to engage you, the public – divers, nature enthusiasts, photographers and filmmakers. In addition, we are graced by speakers who travel from the far corners of the planet to present at our show. They're a mix of the world's best and brightest professionals focused on the underwater world. Beyond engaging the public, their presence here has also forged many long-term professional relationships that have changed the face of diving and underwater exploration. For more information on the Boston Sea Rovers, go to: [www.bostonsearovers.com](http://www.bostonsearovers.com).

## Diving with the Rovers

So, how was your diving year? Hopefully, you were able to get in as much as you wanted, dive some new sites, check some new gear, and maybe cross off some bucket-list dives. If not, there will definitely be someone here to talk to about making it happen. In the meanwhile, we hope this gives you some ideas.

**Eric Takakjian** spent 2016 diving shipwrecks from Massachusetts to New Jersey with friends and fellow Rovers. His highlight was a trip to Sardinia to dive WWII wrecks off the South East Coast of the island in September. By all reports, it was a fantastic trip with amazing conditions, large intact wrecks, warm, crystal clear Mediterranean and Tyrrhenian waters, and of course some amazing food. In her spare time, **Faith Ortins** led a group of divers to the bottom of the world for a 23-day journey to the Antarctic, following the footsteps of Shackleton. To maintain global balance, she led another group to Spitsbergen in the Arctic in June.

From California, **Howard and Michele Hall** report they kept busy with dive trips off California and the Baja peninsula, camping and hiking in the desert, filming thresher sharks off the Philippines on one trip and dugongs on another, and working various film projects. Michele and Howard were also the 2016 recipients of the Hans Hass Fifty Fathoms Award presented by the Historical Diving Society USA. This award is presented to honor individuals who, in the spirit of Professor Hass' pioneering work in the fields of underwater science, technology, arts and literature, have excelled at an international level in any of those fields. Congratulations!

**Marty Klein** notes that 2017 is the 50th anniversary of some important milestones in sonar, ocean exploration and marine archaeology. At Edgerton, Germeshausen & Grier (later E.G. &G.) in 1967, he introduced the first commercial towed dual-channel side scan sonar. Later that year, Doc Edgerton brought the sonar and the sub-bottom profiler to the UK to help locate King Henry VIII's Flagship the Mary Rose. Also in 1967, Marty brought the new sonar to Yassi Ada, off the coast of Bodrum, Turkey to work with Dr. George Bass and help pinpoint an ancient wreck. Moving back to 2016, **Nancy McGee** attempted a live broadcast to classrooms across the globe from inside a shark cage at Guadalupe Island, 300 miles out in the Pacific Ocean. Nancy reports amazing great

white shark activity, but using cutting edge technology on a boat with dial-up bandwidth gave this result – “The footage was terrific; the connectivity not so much.” We’ll be waiting for the next attempt.

Always popular on the scuba show circuit, **Jim and Pat Stayer** had a great year presenting and seeing colleagues and friends from around the world. They spent the month of May diving in Papua New Guinea’s New Britain Island and August found them shipwreck diving in the Great Lakes with the Sea Rovers’ 2016 Intern, **James Allan**. The month of September was spent in Indonesia exploring Manado, Borneo, and the Lembah Straits. They also produced their new DVD on Cephalopods with the help of their fellow Sea Rover **Dr. Roger Hanlon**. Speaking of **James**, he followed his Internship with time in Utila where he became a diving instructor. He’s now teaching at Undersea Divers in Beverly and will start at Harvard in 2017. **Mike Guglielmo** and his wife Dawn Guglielmo had an adventure-filled year touring on their motorcycles and diving in two of their favorite locations: Bonaire and the Florida Keys.

**Fred Dion** reports that well into his second year as a dive resort manager in Ambon, Indonesia he is enjoying every minute of it. Hard to believe but Fred thinks it’s more fun to be able to dive daily and work at being behind the camera rather than being in the camera sales business. His high point was photographing a psychedelic frog fish with eggs. **George Buckley** was honored in Bonaire for his 40 years of environmental work there and Captain Don’s Habitat recognized him by naming the dive training room in his honor. **Keith Kelly** and his wife Kim experienced their first live-aboard, diving the waters off St. Kitts and Saba, coming ashore for a few days in St. Martin. They returned to the Yucatan peninsula in August for cenote diving, with a couple of days on Isla Mujeres to snorkel with the whale sharks. Their travels ended in Bonaire, although they dive locally year-round. **Bill VanderClock** spent the fall teaching SCUBA at MIT after a summer of NY Finger Lakes diving and he’s ramping up to assist with a Discover SCUBA event for with 20,000 Scouts at the National Boy Scout Jamboree in 2017.

The boys from Brookline, **Nick Fazah** and **Alex Dulavitz**, had a typical busy summer of teaching but managed to fit in a bit of fun. Nick spent a lot of time free-diving and spearing striped bass and tautog off Block Island and ran the Cayman Freediving Camp, while Alex did his scallop and lobster hunting in Massachusetts’ waters, often with fellow Rover **Matt Marcoux**. In October, the boys headed to Truk Lagoon with **Mike Williams** for some quality time on the wrecks using rebreathers.

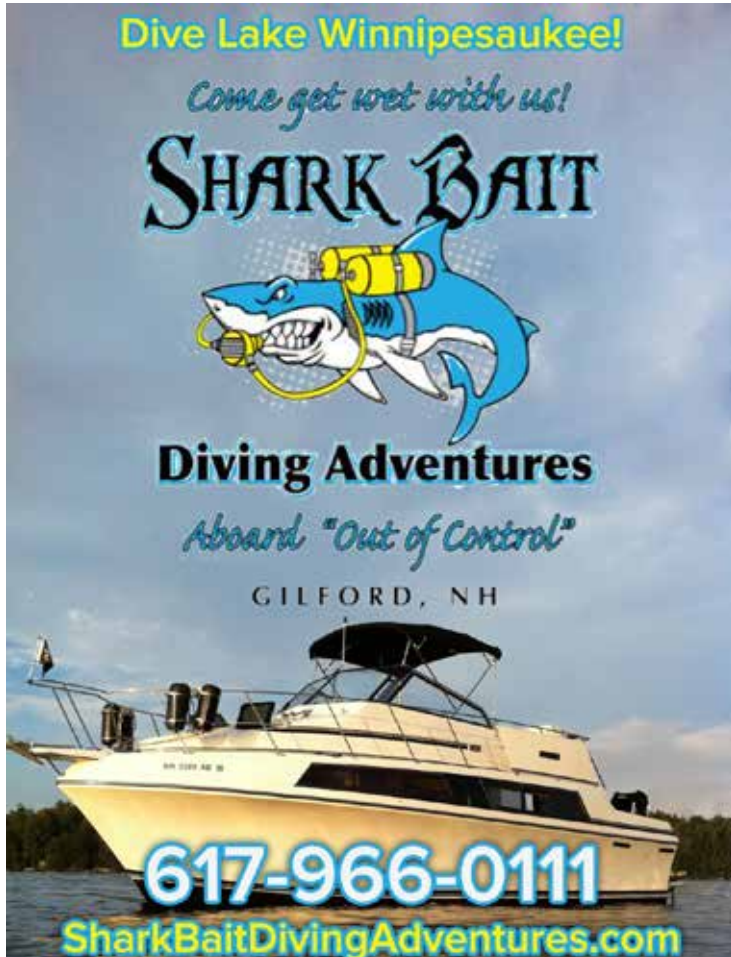
**Kim Malkoski** is still currently splitting time between the WHOI Dive Office and work as the Training Director for East Coast Divers. She led a trip to Dominica - lots of macro and wonderful natural springs – and helped perform the last underwater inspection of the R/V KNORR before it was retired. In August, she travelled to the Azores with her family – Vin, Dee, and Amy – along with Mary and

**Ted Maney** and Bill and **Holly Bourbon**. Diving highlights included large aggregations of mobular rays, offshore pinnacles, and volcanic canyons. Turns out the Azores were a popular destination in 2016 as **Faith Ortins** was there on a separate trip, as were Matt and Marissa Marcoux. **Ted Maney** and **Vin Malkoski** were kept busy teaching scientific diving and performing research dives; Ted diving for an offshore mussel aquaculture project and monitoring rock wall invertebrate communities at Halfway Rock and Nahant and Vin on the MA artificial reef sites. **Vin** was also appointed to the Board of Directors of the American Academy of Underwater Sciences.

**Woody Tinsley** traveled for the Kids Sea Camp program and ran training programs in Roatan, Grand Cayman, and Bonaire. Woody also performed monthly training and callouts for the Crest police dive team in Central Connecticut.

Old friend **Dan Orr** continued writing and conducting seminars on all aspects of diving safety. Completing his tenure as Chairman of the Board for the Historical Diving Society, he continues Senior Vice Chairman and Chair of the Public Policy Committee for the DEMA Board, President of the Academy of Underwater Arts & Sciences, and Coordinator for the Recreational Scuba Training Council (RSTC). He was also inducted into NAUI’s Hall of Honor.

Ok, enough about us. Have a great weekend and make the most of the many opportunities to learn some new techniques, plan some trips, and get yourself for the next great year of diving!



## Don DeSantis – 2017 Walter Feinberg Diver of the Year Award

The Boston Sea Rovers are known throughout the world as the Dive Club that can proudly boast ownership of “The Longest Running Underwater Show on Earth”, but the Club is much, much more than that. The Sea Rovers has always been a team of no more than twenty-five divers, people from diverse and varied backgrounds who share the common bond of a love for scuba, and for the world’s waters and all its inhabitants and secrets. They are divers first, and showmen second. Throughout the past six and a half decades, hundreds of members have come and gone. Some have been involved as active members or Associates for decades, and others have helped for a few years before moving on, but there has only been one constant member directly involved with the club since the earliest days until now. Don DeSantis was one of the earliest members of the club, and helped produce the first Sea Rovers Clinic, which in fact was the very first diving related show in the country.

At the time, diving underwater was so new and radical, most didn’t even consider it a sport – and the term SCUBA hadn’t even been invented yet. There were no national training organizations or instruction manuals, and the Boston Y was one of the very few institutions in the country that offered even rudimentary training guidelines. In the first decade, the Clinics were more of an educational event, and a venue for sharing the latest advances in training and techniques from around the country. As diving became more mainstream, and ocean exploration and discoveries continued to make headlines across the country, the Sea Rovers Clinics became the main event of the underwater world. Throughout those years, Don DeSantis remained a strong presence, first as an officer of the club directly involved in day to day operations, and later as a member of the Board of Directors, providing a steady hand on the tiller, ensuring that all of the new members stayed true to the original intentions and goals of the club.



*In 1956, Jacques Yves Cousteau came to MIT to meet with Doc Edgerton, a Sea Rover Associate. Doc invited the Rovers to attend a special viewing of “The Silent World”, a year before it won an Academy Award. This photo, taken at the event, shows the Rovers with JYC. Don DeSantis is kneeling on the far right.*

The Boston Sea Rovers have been seen at the top of the world, at the bottom of the sea, on some of the most famous wrecks in history, in some of the most experimental equipment designed for underwater exploration, and, as always, enjoying the challenges and joys of the underwater world. The Club would not be here today if it were not for the scores of hard working members whom have donated countless hours of their time behind the scenes to keep the show going since 1955. One of the very first, and hardest working of those members has been Don DeSantis, who recently retired from the Board of Directors after sixty-three years of service to the Club. On behalf of all Rovers, past, present and future, we are proud to recognize his contributions to this organization, and pledge to continue the fine example he’s established. The Boston Sea Rovers are honored to present him with our highest award, complete with the following inscription:

**FOR PROVIDING A GUIDING HAND AND  
AN EVEN KEEL, ENSURING THAT THE  
GOOD SHIP SEA ROVER  
HAS REMAINED ON COURSE  
FOR OVER SIXTY YEARS.**

- 1956 Edward Pansewitz
- 1957 Peter Gimbel
- 1958 James Cahill
- 1959 James Dugan
- 1960 George Bond
- 1961 Harold Edgerton
- 1962 Hans Keller
- 1963 Pablo Bush Romero
- 1964 Alan Krasberg
- 1965 Kip Wagner
- 1966 Scott Carpenter
- 1967 Stan Waterman
- 1968 Joseph MacInnis
- 1969 Al Giddings
- 1970 Melville Bell Grosvenor
- 1971 George Benjamin
- 1972 Paul Tzimoulis
- 1973 Smokey Roberts
- 1974 Jack McKenney
- 1975 David Doublet
- 1976 Luis Marden
- 1977 Rick Frehsee
- 1978 Eugenie Clark
- 1979 Sylvia Earle
- 1980 Robert Ballard
- 1981 Larry Emmerson
- 1982 Elga Andersen
- 1983 Frank Scalli
- 1984 Don Stewart
- 1985 Walt Hendrick, Sr.
- 1986 Rusty Murray
- 1987 Argo/Jason Jr.
- 1988 Emory Kristof
- 1989 Stan Waterman
- 1990 John Stoneman
- 1991 Walt “Butch” Hendrick, Jr.
- 1992 Ruth Dixon Turner
- 1993 Dee Scarr
- 1994 Nick Caloyianis
- 1995 Bill Curtsinger
- 1996 Wes Pratt
- 1997 Bill Hamilton
- 1998 Frank Fennell
- 1999 Jordan Klein
- 2000 John Cronin
- 2001 Sam Raymond
- 2002 Peter Benchley
- 2003 Howard & Michele Hall
- 2004 The Boston Sea Rovers
- 2005 Mike DeGruy
- 2006 Phil Nuytten
- 2007 Ernie Brooks
- 2008 Bob Talbot
- 2009 Brian Skerry
- 2010 Wes Skiles
- 2011 Marty Klein
- 2012 Jill Heinerth
- 2013 Bob Boyle
- 2014 Greg Stone
- 2015 Rick Rosenthal
- 2016 Dr. Greg Skomal

## 63<sup>rd</sup> Annual International Film Festival

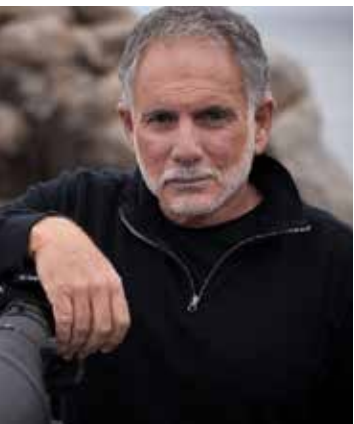


### **Brian Skerry**

Master of Ceremonies, Brian Skerry is a photojournalist specializing in marine wildlife and underwater environments. Since 1998 he has been a contract photographer for **National Geographic Magazine** covering a wide range of subjects and stories. In 2014 he was one of five photographers named as a National Geographic Photography Fellow. In 2015 he was named a Nikon Ambassador. For **NGM**, Brian has covered a wide range of stories, from the harp seal's struggle to survive in frozen waters to the alarming decrease in the world's fisheries to dolphin intelligence, all cover stories. During 2016 NGM published an unprecedented three consecutive feature stories by Brian about predatory sharks. His latest work, a cover story in the February 2017 issue of NGM, focuses on protecting special underwater ecosystems in US waters. During his coverage for this story Brian produced the first images of a US President underwater. He is currently at work on his 28th story for NGM. Brian is the author of 8 books including the acclaimed monograph *Ocean Soul*. His upcoming monograph entitled *SHARK*, will be released in June 2017.

Brian is a 10-time award winner in the prestigious Wildlife Photographer of the Year competition. He has also been recognized with awards from Pictures of the Year International, Nature's Best, Communication Arts and is the only photographer to win the coveted Peter Benchley Ward for Excellence in Media. In 2010 National Geographic magazine named one of Brian's images among their 50 Greatest Photographs Of All Time and in 2017 he was awarded the National Geographic Photographer's Photographer Award, an honor bestowed by his colleagues. In 2009 Brian was named the Boston Sea Rovers Diver of the Year. He has had solo photographer exhibits at Visa Pour l'Image in Perpignan, France as well as cities such as Geneva, Barcelona, Lisbon and Shanghai and at the Smithsonian National Museum of Natural History in Washington, DC. Brian frequently lectures on photography, exploration and conservation issues having presented at venues such as The World Economic Forum in Davos, Switzerland, TED Talks, The National Press Club in Washington, DC, The Royal Geographical Society in London and the Sydney Opera House in Australia. He's a frequent guest on TV programs including NBC's TODAY Show and CBS's This Morning.

Brian is the Explorer-In-Residence and a Trustee at the New England Aquarium, a founding member of the International League of Conservation Photographers, Director of The New England Ocean Odyssey for The Conservation Law Foundation and a Fellow National of The Explorers Club. He also serves as a Marine Fellow with Conservation International, serves on the World Wildlife Fund's National Council and the WWF's Marine Leadership Council and on the Board of Directors of the Atlantic White Shark Conservancy.



### **Bob Talbot**

Bob Talbot is a world-renowned marine photographer, award-winning filmmaker and dedicated environmentalist. Whether it be consulting for Ang Lee on the motion picture *LIFE OF PI* or battling whalers in court for Sea Shepherd, he brings an eclectic range of skills to share the ocean with others and protect for its future generations. Talbot's iconic photographs were first published as fine art lithographs when he was in his early twenties and soon became the best selling line of marine artwork in the world. His images have also appeared in a wide range of publications from Time magazine to National Geographic.

Talbot began shooting motion picture footage when he was 19. Since then his work has been featured in television productions that have taken him from Antarctica, with his childhood hero Jacques Cousteau, to the Arctic seal hunting grounds with Paul Watson—from the caverns of Grand Cayman with David Blaine to his beloved Monterey Bay for the BBC/PBS production of *BIG BLUE LIVE*. Talbot's feature film credits include *FREE WILLY*, *FLIPPER*, *INTO THE BLUE* and *DOLPHIN TALE 2*. He directed and photographed the award-winning IMAX film *OCEANMEN –EXTREME DIVE* and acted as a director and cinematographer for sequences in the Academy Award-nominated IMAX film, *DOLPHINS*. Talbot also specializes in creating, unique, highly immersive special venue media for clients that include: IMAX, California Academy of Sciences, Smithsonian, California Science Center, The National Aquarium and National Marine Sanctuaries.

For his advocacy work, Talbot has been presented with The Environmental Hero Award by Vice-President Al Gore, the prestigious SeaKeeper Award by HSH Prince Albert of Monaco and the Ark Trust Genesis Award. He has served on the boards of the American Ocean Campaign, Earth Communications Office and on the Board of Governors for Oceana. He served nearly a decade on the board of the Sea Shepherd Conservation Society and has been the Chairman of the Board of Trustees of the National Marine Sanctuary Foundation since 2008. When asked why he is so passionate about ocean conservation, Talbot's answer is simple "The sea has given us life. It's time we returned the favor."



## **Jo Ruxton**

Jo Ruxton joined the BBC Natural History Unit in 1997 after working for the World Wildlife Fund in Asia for 7 years and was part of the celebrated Blue Planet team. Over the past 18 years she has been involved in numerous underwater filming projects around the world, from Antarctica to the pristine reefs of the Caribbean and the Pacific Ocean. After leaving the BBC, Jo decided to produce a documentary feature, *A Plastic Ocean*, after initially hearing about the plastic problem in 2009. She began raising funds to start filming and it was released globally in January 2017. She co-founded the Plastic Oceans Foundation 7 years ago to help the fundraising process and to take the message of the film beyond its release through three main programs, Science & Policy, Business & Sustainability and Education & Conservation.



## **Steve Gatto**

Captain Steve Gatto has been exploring and photographing shipwrecks for 37 years. In 1983 he made his first dive down to the Andrea Doria and continues diving the Doria, most recently on the 60th anniversary of her sinking this past summer, making approximately 250 dives on the infamous ship. His quest to take one of a kind pictures and video leads him deep inside shipwrecks to get difficult shots, thus chronicling history before it's lost forever by the corrosive action of the sea. His shipwreck photos and articles have appeared in several magazines and books, and his videos have been used by the History Channel. He has also been diving on the civil war wreck U.S.S. Monitor, submarines, tankers, freighters and sailing vessels. More recently, he was one of the first group of divers to find, dive, and photograph the German submarine U-550. The U-550 vanished on April 16, 1944 after sinking a tanker and being engaged by three destroyer escorts. She was found by covering over 100 square nautical miles and lies in approximately 100 meters of water. This event was recently documented in a book called: *Where Divers Dare, Hunt for the Last U-Boat* by Randall Peffer. Steve is an associate member of the Boston Sea Rovers, a member of SNAME (Society of Naval Architects and Marine Engineers) Panel SD-7 Forensic Panel. These members donate their time to try and understand forensically why ships sink, new and old and make their recommendations to help make shipping safer. He is part of a collaborative effort that wrote guidelines on how to forensically study a ship after it has sunk. He is also part of a voluntary team that donates their time and expertise when a vessel sinks off the coast, shooting video and stills for the US Coast Guard and NTSB. He is also a member of the American Professional Captains Association and holds a 100 ton Merchant Mariners license. He will be presenting a collaboration of work spanning 60 years of underwater exploration, photography, and salvage on the Andrea Doria, some of which has never been seen, starting with Boston Sea Rover Peter Gimbel and Joseph Fox's first dive on the Andrea Doria just 48 hours after her sinking and ending with a 60th anniversary trip to her in 2016.



## **Evan Kovacs**

Evan works with the Advanced Imaging and Visualization Lab at Woods Hole Oceanographic Institution where he has been involved in and led numerous expeditions utilizing remotely operated vehicles ("ROVs"), submersibles and technical diving to survey and film everything from the R.M.S. Titanic to deep sea hydrothermal vents to underwater mountains off the New England coast. Evan also owns and operates Marine Imaging Technologies, LLC, a company that specializes in imaging the underwater world for documentary, science, and survey purposes. During the past 15 years, Evan has helped build and operate numerous HD, 3D, 4k and 8K imaging systems to film both above and below the water for broadcast television, museums, scientists and institutions across the world. His underwater and topside work can be seen on National Geographic, History Channel, Discovery Channel, PBS, CBC, BBC, NHK and elsewhere.



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Join us after the Film Festival for our renowned  
***Meet the Speakers Party***

This is your opportunity to meet the speakers up close and personal, see the famous Sea Rovers dunking ceremony and dance until the wee hours of the morning. The party will be in the ballroom adjacent to the Film Festival presentation.

## Sunday Kids Day Activities | 10:00AM – 3:00PM

Sunday is Kids Day! Kids 12 and under are free at the Sea Rovers Show. Activities and presentations will be hosted on the second floor where the workshops are located. Please note that all children must be accompanied by an adult at all times.

### **Activities Include:**

10:00am-2pm Get Up Close and Personal with Sea Creature Touch Tanks courtesy of the New England Aquarium

### **Kids Day Schedule:**

10AM - 10:30AM | Awesome Otters! Learn about these curious and adorable ocean creatures

10:45AM - 11:15AM | *Atlantic White Shark Conservancy* Sharktivities event: Fun with Sharks

11:30AM - 12:00PM | *Mass Audubon's Joppa Flats Wildlife Sanctuary*: Whales Ahoy

12:00PM - 12:30PM | LUNCH

12:30PM - 1:15PM | Jonathan Bird of *Jonathan's Blue World TV* (as seen on PBS Kids)

1:30PM - 2PM | *Atlantic White Shark Conservancy* Sharktivities event: Fun with Sharks

2:15PM-2:45PM | *Mass Audubon's Joppa Flats Wildlife Sanctuary*: The World of Penguins

2016 Film Festival Participants (from left to right):  
BSR President Ethan Gordon, Tom Fitz, Dr. Greg Skomal,  
Joe Romeiro, Christian Dimitrius, Becky Kagan Schott



## 2017 Boston Sea Rovers Summer Intern



For 13 years, the Sea Rovers' Summer Internship has played a major role in our mission to produce the next generation of diving leaders. Following the spring semester, the 2017 Intern will partner with members of the Boston Sea Rovers and associates located throughout the United States to experience a wide variety of jobs and career choices. Based in part on the personal interests of the Intern, the Internship will provide advanced dive training courses and ample opportunities to dive and train with a variety of dive professionals in a broad cross-section of diving environments. Opportunities can include hands-on work with professional under water photographers and filmmakers, educational specialists, marine engineers and scientists, equipment manufacturer's representatives, and dive shop owners. In addition to the unique time spent with some of our most distinguished members, the Sea Rovers Intern will be outfitted with dive equipment (provided by Sea Rover corporate sponsors) for their use throughout the summer and will receive the necessary financial support to ensure travel and living expenses. To be considered for the Sea Rovers Summer Internship, the candidate must be a certified diver living in New England, a graduating high school senior, college freshman or sophomore, have outstanding scholastic grades and extra-curricular activities, and be committed to an underwater career. Applications for the 2018 Internship must be received by November 15, 2017 and will be available on our website ([internship.bostonsearovers.com](http://internship.bostonsearovers.com)) in September 2017.

### ***Krista LaForest***

The Sea Rovers proudly announce that Krista LaForest of Quincy, MA is the 2017 Boston Sea Rovers Annual Summer Intern. Krista is a freshman at the University of North Carolina Wilmington, pursuing a double major in marine biology and psychology. Krista has been diving for two years and has earned Advanced, Rescue, and Nitrox certifications. She has volunteered as a LiveBlue Ambassador at the New England Aquarium and the UNCW Plastic Ocean Project. Krista is currently a member of the UNCW Marine Mammal Stranding Team, the UNCW Scuba Club, and the Student Honors Advisory Council.



## Saturday – Daytime Seminar Schedule 2017

	<b>Gimbel Room</b>	<b>Cousteau Room</b>	<b>Doc Edgerton Room</b>
Room Chair	Patrick Madden	Zach Whalen	Paul Leonard
Room Topic	<b><i>Predators</i></b>	<b><i>Lights, Camera, Dive</i></b>	<b><i>Exploration</i></b>
9:00 am - 9:45 am	<b>Amy Giannotti</b> <i>The Sky is Falling: How Harmful Algal Blooms are impacting predators</i>	<b>Erik Petkovic</b> <i>Deep Survival</i>	<b>Steve Nagiewicz</b> <i>New Jersey's Maritime History</i>
10:00 am - 10:45 am	<b>Joe Romeiro</b> <i>The Shark</i>	<b>Berkeley White</b> <i>Monkey with an Underwater Camera</i>	<b>Jonathan Bird</b> <i>The Crystal Caves of Abaco</i>
11:00 am - 11:45 am	<b>Gregory Skomal</b> <i>Seeing Deeper into the World of the White Shark</i>	<b>Michel Labrecque/ Julie Ouimet</b> <i>Deconstructing award-winning short films</i>	<b>Megan Cook</b> <i>Ocean Exploration for Everyone: How You &amp; Robots Can Make Discoveries with E/V Nautilus</i>
<i>Be sure to visit all of the exhibitors and exhibits during the lunch break.</i>			
Room Chair	Amy Giannotti	Vin Malkoski	Megan Cook
Room Topic	<b><i>Discovery</i></b>	<b><i>Let's get Wrecked</i></b>	<b><i>Training &amp; Safety</i></b>
1:00 pm - 1:45 pm	<b>Nancy McGee</b> <i>Remembering Rajan</i>	<b>Joe Mazraani</b> <i>From Ordinary to Extraordinary: Merchant Mariner's Heroic Role in WWII's Battle for the Atlantic</i>	<b>Patrick Foley</b> <i>New England State Police Dive Training program</i>
2:00 pm - 2:45 pm	<b>Michael Salvarezza, Christopher Weaver</b> <i>Rockin' Reykjavik</i>	<b>Evan Kovacs</b> <i>Behind the Scenes of PBS "Into The Arizona"</i>	<b>Peter Buzzacott</b> <i>Non-Fatal Close Calls and Lessons Learned from Scuba Diving Incidents</i>
3:00 pm - 3:45 pm	<b>Andrew Martinez</b> <i>The wonders of Raja Ampat</i>	<b>Becky Schott</b> <i>Great Lakes Ghost Ships</i>	<b>David Charash</b> <i>Heart Medical Fitness for Divers</i>
4:00 pm - 4:45 pm	<b>Jerry Shine</b> <i>New England After Dark</i>	<b>Tony Gramer</b> <i>Operation Oahu "Wreck Week"</i>	<b>Andrea Zaferes</b> <i>The art of dive planning series – Air Management</i>

## Sunday – Daytime Seminar Schedule 2017

	<b>Gimbel Room</b>	<b>Cousteau Room</b>	<b>Doc Edgerton Room</b>
Room Chair	George Buckley	Kim Malkoski	Ted Maney
Room Topic	<b>Potpourri</b>	<b>Ocean Revelation</b>	<b>Marine Science Forum</b>
9:30 am - 10:15 am	<b>“Butch” Walt Hendrick</b> <i>Basic Physics: Educating Divers</i>	<b>Jim &amp; Pat Stayer</b> <i>Cephalopods – How Smart are They?</i>	9:30 <b>Ted Maney</b> SSU/UWA: Rock wall communities  10:00 <b>Jarrett Byrnes</b> , UMB: Kelp Ecosystem Ecology Network (KEEN)
10:30 am - 11:15 am	<b>Jenny Collister</b> <i>Mystical Mozambique</i>	<b>Bart P Malone</b> <i>The Last Voyage of the Immigrant Ship JOSEPHINE WILLIS</i>	10:30 <b>Phil Colarusso</b> EPA-Seagrass ecosystems  11:00 <b>Brian Helmut</b> NEU – GOM Productivity / Planktonic community
11:30 am - 12:15 am	<b>Faith Ortins</b> <i>In the Footsteps of Ernest Shackelton</i>	<b>Ryan King</b> <i>Enemy on the Homefront: Bell Island Wrecks, Newfoundland</i>	11:30 <b>Randi Rotjan</b> BU/NEAQ – MPA’s  12:00 <b>John Weber</b> NE Ocean Plan
<i>Be sure to visit all of the exhibitors and exhibits during the lunch break.</i>			
Room Chair	Bill VanderClock	Jake Duvall	Ted Maney
Room Topic	<b>Wrecked &amp; Hosed</b>	<b>Sea Culture</b>	<b>Marine Science Forum</b>
1:00 pm - 1:45 pm	<b>Pete Nawrocky</b> <i>The Canaller Floretta</i>	<b>Erin Quigley</b> <i>Amazing Dirty Tricks for Underwater Photographers</i>	1:00 <b>Uma Mirani</b> NEADC – REEF GAFC 2016 summary report  1:30 <b>Pam DiBona</b> Mass Bays Program: Citizen Science Programs
2:00 pm - 2:45 pm	<b>Peter Venoutsos</b> <i>Surface Supplied Wreck Diving</i>	<b>Lynn Funkhouser</b> <i>THE PHILIPPINES – The Most DIVERse Underwater and Above</i>	2:00 <b>Mark Dixon</b> NOAA – Aquaculture  2:30 <b>Margaret Malkoski</b> NFI – Sustainable Fisheries
3:00 pm - 3:45 pm	<b>John Stella</b> <i>45 Ancient Shipwrecks Discovered in Greece</i>	<b>Eric Heupel</b> <i>Citizen Science for the Submerged (We’ll Make a Fish Geek Out of You Yet!)</i>	3:00 <b>Boston Sea Rovers</b> 2016 Intern Presentation (3 – 4PM)

Note that participants scheduled to speak at any Sea Rovers Clinic event are subject to last minute travel and work emergencies inherent when pushing the boundaries of filmmaking, exploration and discovery. Please understand that the participant list is subject to change at last moment.



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## Daytime Speaker Bios & Seminar Descriptions

**Jonathan Bird** is an underwater cinematographer and photographer. He has shot and produced over 40 films for networks such as National Geographic Channel, PBS, ABC, USA Network, Discovery and even the SciFi Channel. He has won nine Emmys, two Cine Golden Eagles and dozens more awards for his television and video work. He has published seven books as well as numerous articles and images. He is the host and director of *Jonathan Bird's Blue World*, an underwater science adventure series. He is currently in production on his first IMAX film, being shot in caves.

*The Crystal Caves of Abaco* – It's hard to describe to anyone who doesn't dive just how beautiful the Crystal Caves of Abaco (Bahamas) really are. And even divers sometimes can't understand why cave divers are so fascinated by these environments. This presentation will change your mind. The Crystal Caves, accessible only in side-mount configuration, are by far the most spectacular, most ornamented underwater caves in the world—and they have rarely been documented so beautifully.

**Peter Buzzacott** MPH, PhD, is Director, Injury Monitoring and Prevention at Divers Alert Network (DAN). He has a Doctor of Philosophy degree from the University of Western Australia, for researching risk factors for diving injuries. At DAN, it is Dr Buzzacott's role to design, implement and evaluate preventative interventions aimed at improving diver safety. He is a former recreational and technical diving instructor, life-member of the NSS Cave Diving Section, and advanced trimix diver.

*Non-Fatal Close Calls and Lessons Learned from Scuba Diving Incidents* – The DAN Diving Incident Reporting System went live in 2012 and to date has collected over 500 non-fatal incident reports. Hear about a sudden hose rupture during a dive, the cause of a case of skin bends while on holiday, why divers should not follow someone else's computer, and other fascinating reports from the DAN incident reports collection.

**Dr David Charash** is a Dive Medicine Physician, Board Certified in Undersea and Hyperbaric Medicine. He has a dedicated medical practice that specializes in Dive Medicine. He is a DAN Referral Physician, and DAN Instructor. He lectures at the United States Coast Guard Academy, and the United States Navy Base, Naval Undersea Medical Institute in Dive Medicine, Basic and Advanced Diving Physics. Dr Charash lectures locally and nationally on Dive Medicine and Dive Medical Fitness. He is the Principal in Dive Medicine and Hyperbaric Consultants LLC.

*Heart Medical Fitness for Divers* – Understanding how medical conditions including Hypertension, Heart Disease, Patent Foramen Ovale, as well as diving with a pacemakers can effect your dive performance and dive safety. This overview will give the attendees the most up to date information. As a Dive Medicine Physician much of what I offer for my patients is the opportunity to have a better understanding of the many issues related to heart disease and diving.

**Jenny Collister** has worked in the travel industry for 28 years after obtaining her degree in Travel & Tourism. Her interest in diving began in the frigid Canadian waters near Edmonton in 1988. Since, she has dived and traveled the world. Her passion for travel began at a young age watching her father on the "telly" as a CBC foreign correspondent in far off lands and listening to stories of his travels. After years of travel and a year long stint in Indonesia she decided to spread her knowledge with scuba divers worldwide.

*Mystical Mozambique* – Join Jenny Collister as she takes you on a journey through Mozambique. Explore the mystique of this way off the beaten path destination with amazing images of mantas, whale sharks and empty beaches that stretch the coast for miles. This is truly an adventure seekers paradise. Reef & Rainforest is a full service travel company specializing in dive, water sport and adventure travel and are ARC accredited.

**Megan Cook's** international career has bridged scientific research, marine operations, ocean education, expedition planning, film and media communication. A science extrovert, she loves helping people fall into fascination with our planet and using technology to share ocean stories. As the Community STEM Program Coordinator for Ocean Exploration Trust she travels the nation building education programs and broadening collaborations to bring seafloor exploration to new audiences. She is proud to mentor emerging talent in STEM fields and to inspire the next generation of explorers. Megan is honored to be a Mission Blue Young Explorer and North America's 2012 Rolex Scholar from OW-USS.

*Ocean Exploration for Everyone: How You & Robots Can Make Discoveries with E/V Nautilus* – Only 11% of the ocean is mapped and less than 5% is explored. Join Megan Cook to learn the latest missions and cutting-edge discoveries of Exploration Vessel Nautilus. Catch-up with the diverse team of scientists, engineers, educators and students pushing back the boundaries of the unknown and how you can explore the seafloor alongside them LIVE from your smartphone.

**Patrick Foley** is a 25 year veteran of the Mass State Police and has been a member of the MSP Underwater Recovery Unit for 22 years. Sgt Foley is the Commander of the Mass State Police URU and is a PADI MSDT, SDI instructor, and ERDI instructor. When not diving for the State Police or NESPAC he enjoys diving with his son and daughter whenever possible.

*New England State Police Dive Training program* – The four week Police Diver training program, designed by the New England State Police Underwater Recovery Teams, will be highlighted. Diver I and Diver II programs will be the main topic with a brief history of the start of the NESPAC Dive Commanders Consortium.

**Lynn Funkhouser**, a member of the inaugural Women Divers Hall of Fame, is an internationally published photographer, author, lecturer, adventuress, and dive travel leader. An expert on Philippine diving, she has dived there 2 months per year, every year since 1975 and has explored 260 islands. She was Diver of the Year 2014 for Arts at Beneath the Sea.

*The Philippines – The Most DIVERse Underwater and Aboves* – The Verde Island Passage (VIP) has been scientifically proven to have more diversity than elsewhere. Surprisingly, Luzon Is. has the most species of mammals! I will explain why the diversity & take you to Anilao, Puerto Galera, Tubbataha, Dumaguete, Oslob, Moalboal & Malapascua to show you more amazing critters & pristine reefs.

**Amy Giannotti** is a marine ecologist and serves as the president of the Cambrian Foundation, Inc. She has extensive experience in freshwater and marine environments, including underwater caves and problems with invasive species. Amy has a B.S. in biology and a M.S. in environmental sciences from the University of Virginia. During her career with the Foundation and in conjunction with the Foundation's research expeditions in Florida, Mexico, and Bermuda, she has initiated many educational and outreach programs, including a variety of projects related to the preservation



of cave, karst, and groundwater systems in these regions.

*The sky is falling: how harmful algal blooms are impacting our top predators* – Harmful algal blooms (HABs) are becoming increasingly problematic in both fresh and marine waters worldwide. Cyanobacteria growing in lakes, marshes, rivers, and bays have been linked to the production of neurotoxins, hepatotoxins, and the associated debilitating ailments that our water-dependent wildlife species are facing.

**Tony Gramer** has been diving since 1977 and is a certified PADI Divemaster. He is the president of Silent World Information Masters, Inc. (SWIM). He is presently on the Board and Divemaster of Dossins Museum in Detroit, Michigan. His images have taken best in show and first place in photo contests throughout the United States and beyond. He has contributed to Skin Diver magazine, Dive Boat Calendar & Travel magazine and many other publications. His main interest is photography/videography, researching and diving shipwreck schooners and brigs. He has filmed four programs for “Every Thing Great Lakes” and “So Far, Safari” on CMNTV.

*Operation Oahu “Wreck Week”* – Dive with Island Divers off the Island of Oahu. Explore five different shipwrecks, some of which have been voted top five in the US. Most of the wrecks can be penetrated and contain a variety of equipment and sea life. Wreck week includes a visit to Pearl Harbor.

**“Butch” Walt Hendrick** has been training public safety divers, sport divers, and rescue personnel for over 45 years in over 15 countries. He is a major innovator and contributor to the water rescue industry. He is one of the most important fathers of diver safety education, always striving for increased safety standards.

*Basic Physics: Educating Divers* – Based on conversations with dozens of new Instructors and their students, basic diving physics has been lost due to reduced standards. This presentation will cover Boyles Law, Lung Over-expansion injuries from depth, Dalton’s Law of partial-pressure, Altitude Diving, The Lost Art of Dive Tables.

**Eric Heupel** is a PhD candidate in Oceanography at University of Connecticut Avery Point. He dives for both research and fun.

*Citizen Science for the Submerged (aka: We’ll Make a Fish Geek Out of You Yet!)* – Want to give more purpose and fun to your diving? We’ll show you how to monitor marine life and submit your data to the largest online marine life sightings database in the world. Surveying is easy and can be done anytime, anywhere, year-round. Come find out how it works and why divers love it!

**Ryan King** - For over 20 years Ryan has been diving, teaching, and photographing marine life and wrecks from Canada to the Caribbean. He has a passion for helping others enjoy and appreciate the underwater world.

*Enemy on the Homefront: Bell Island Wrecks, Newfoundland* – In 1942, as World War II raged in Europe and the Pacific, Bell Island, Newfoundland seemed safe from the U-Boat menace that was plaguing shipping throughout the North Atlantic. Unfortunately, as summer turned to fall that sense of security was shattered when U-513 and U-518 slipped into Conception Bay and sent 4 ships to the bottom. Fortunately, these were the last war time tragedies in Conception Bay but these four ships, and the brave sailors that lost their lives that fall have not been forgotten.

**Evan Kovacs** works with the Advanced Imaging and Visualization Lab at Woods Hole Oceanographic Institution where he has been involved in and led numerous expeditions utilizing remotely operated vehicles (“ROVs”), submersibles and technical diving to survey and film everything from the R.M.S. Titanic to deep sea hydrothermal vents to underwater mountains off the New England coast. Evan also owns and operates Marine Imaging Technologies, LLC, a company that specializes in imaging the underwater world for documentary, science, and survey purposes and he has worked in the marine environment for nearly two decades as an underwater director of photography, camera engineer and technical diver.

*Behind the Scenes of PBS “Into The Arizona”* – The USS Arizona was the epicenter of America’s involvement in World War II and now 75 years after its sinking new images and information show a unique environment deep inside the wreck. The expedition was featured in the PBS documentary “Into the Arizona” and this presentation will go behind the scenes of the show and talk about the subsequent science expedition and the fascinating results from both.

**Michel Labrecque & Julie Ouimet** - Fellows of the Explorers Club (FI’16) and Associate Members of the Boston Sea Rovers, Michel and Julie are co-owners of N2Pix. They are expeditions leaders and guest speakers in Canada and the US. Their underwater images and films have been presented throughout the US, Canada and Europe as well as in several dive magazines worldwide. They are also the co-founders of an international film festival. Michel is a photojournalist, PADI Ambassador and Master Instructor, DAN Examiner, Technical Instructor and PSI Instructor amongst other instructor ratings. Julie is a videographer and filmmaker. She is a PADI, DAN and EFR Instructor and a Trimix Technical Supervisor.

*Deconstructing award-winning short films* – What makes a short film great? What gets the viewer’s, and more importantly, in a competition, the judges’ attention? This presentation showcases portions of award-winning films from the 2016 Turquoise Bay International Underwater Film Festival along with comments from the esteemed judging panel and tips from the filmmakers.

**Bart Malone** - A diver for over 55 years and an avid shipwreck diver for 42, Bart is also the former Curator and board member at The Museum of New Jersey Maritime History in Beach Haven, NJ. He also speaks on behalf of The Cape May Maritime Museum and Learning Center. His dive travel has included the East Coast of the United States, England, Nova Scotia and Orkney Isle.

*The Last Voyage of the Immigrant Ship JOSEPHINE WILLIS* – Learn about the Shipwreck JOSEPHINE WILLIS, the Immigrant passengers, her crew, cargo and the 22 year search in the English Channel.

**Andrew Martinez** specializes in images of the natural world. He has traveled and photographed in many of the world’s beautiful tropical islands. As a lifelong resident of New England he has compiled one of the largest collection of images of marine life behavior from New England and Eastern Canada. His book Marine Life of the North Atlantic is considered a must have for New England divers. Andy’s recent book for young readers, “Pier at the End of the World,” has won several awards.

*The Wonders of Raja Ampat* – Come join Andy to see the wonders of Raja Ampat aboard the beautiful Pindito as we sail through the most biodiverse coral reef in the world. From huge schools of colorful fish to beautiful invertebrate life, every day of diving is exciting. The Raja Ampat islands are truly a natural phenomenon and on most diver’s Bucket list!

**Joe Mazraani** has been fascinated by the sea and the underwater world since childhood. Joe became a certified diver in the mid-90s and quickly took to diving sunken wrecks off the Northeast U.S. coast. He instantly developed an obsession with exploring the sunken hulks that litter the approaches to New York Harbor. Shipwreck exploration is a way of life for Joe. He owns and operates the dive vessel *Tenacious*, which was specifically acquired and outfitted to accomplish several projects, including locating and exploring U-550 and other deep, uncharted wrecks in the North Atlantic. A criminal defense attorney, he is also a U.S.C.G. licensed captain.

**Captain Eric Takakjian**, a professional mariner, has been sailing ships and oceangoing tugboats to various corners of the world since 1978. Presently Captain Takakjian is employed aboard an ocean going tugboat based in New York Harbor. He and his wife Lori owned and operated the research vessel *QUEST* for 17 years, conducting oceanographic and shipwreck research in the North East United States and outer continental shelf waters. Captain Eric has conducted extensive historical research on New England shipwrecks and since 1985, he and his team have conducted expeditions resulting in the location and exploration over 70 previously undiscovered shipwrecks in the waters around New England and outer continental shelf waters. A diver since 1972 and an avid shipwreck diver since 1975. Captain Eric has been a fellow of the Explorers Club since 1997, is a member of the Steamship Historical Society, and is an associate member of the Boston Sea Rovers.

*From Ordinary to Extraordinary: The Merchant Mariner's Heroic Role in WWII's Battle for the Atlantic* – The merchant marine is collectively those commercial, non-naval ships that carry cargo or passengers or provide maritime services, and the civilian crewmen and officers who sail those ships. During World War II the ships and men of the Merchant Marine transported across the oceans of the world the vast quantities of materiel, supplies, equipment and troops needed to fight and win that war, often traveling in convoys usually accompanied by destroyer escorts. This presentation tells the story of the WWII Battle for the Atlantic not from the perspective of those who were willingly engaged in war, but from merchant mariners who made their living on the high seas. Through firsthand accounts, historical documents, and information gathered from the sunken ships themselves, this presentation will focus on the attack of Pan Pennsylvania by U-550 and how 56 of its 81 crewmembers survived one of WWII's most fascinating ocean battles.

**Nancy McGee** has lived a life of adventure and diversity. The Explorers Club recognized her with a Fellowship for her explorations. Explorers Club Fellowship is the highest tier of explorers and reserved for those who have distinguished themselves by directly contributing to scientific knowledge in the field of geographical exploration. She produces, edits and films her own documentaries with a unique historical spin on culture and the marine ecosystem. Her credits include NBC, Universal Studios and Discovery. She is a frequent contributor to dive journals and is a featured speaker for national and international shows, film festivals and schools.

*Remembering Rajan* – Retired Asia elephant, Rajan, was the only ocean-swimming pachyderm that scuba divers and snorkelers could join for a dip in the refreshing waters of the Bay of Bengal. Remembering Rajan is a look back at a somewhat tumultuous life, a happy retirement and the impact he had on the diving world. Rajan “made” photographers, and one filmmaker's dream-come-true. In July 2016, Rajan died at 66.

**Steve Nagiewicz** is a former dive boat operator and acknowledged authority on shipwrecks and scuba diving. He has written about or has been profiled about his knowledge of shipwrecks in many regional and national publications. His first book; *Hidden History of Maritime New Jersey* was just published by Acadia Publishing. He is a Fellow and former Executive Director of the Explorers Club, a Fellow of the Royal Geographic Society, former manager for the State of New Jersey's Marine Science Laboratory and chairman of the board of trustees of the Shark Research Institute. He currently teaches Environmental Science at Atlantic City High School and Marine Science at Stockton University.

*New Jersey's Maritime History* – What stories hide beneath the sand and surf of the Jersey Shore? An estimated three thousand shipwrecks lie off the coast of New Jersey—but these icy waters hold more mysteries than sunken hulls. Lessons from these many tragic wrecks and dangerous missteps urged the development of safer ships and the US Coast Guard. Captain Stephen D. Nagiewicz uncovers curious tales of storms, heroism and oddities off the New Jersey coast.

**Pete Nawrocky** began his diving career in 1971 in Long Island, NY. Pete has spent his career diving, exploring and photographing a multitude of environments and enjoys local diving the best. He is a recipient of the Beneath the Sea Diver of the Year, NAUI contribution to Sport Diving award, SSI Platinum Pro and the 2014 Outstanding Contribution to the Diving industry. His images and articles have appeared world wide in various formats. He is a frequent speaker at dive clubs and consumer trade shows for the last 40 years. Pete is the National Sales manager for Ocean Management Systems (OMS).

*The Canaller Floretta* – This presentation is a glimpse into working as a volunteer on an archeological team on a wreck requiring CCR tri mix dives. Dive Planning, gas planning, photographer's assignment and working in a team environment are some of the topics covered. The ultimate goal was to place the Cannaller Floretta on the National Register Of Historic Places.

**Faith Ortins** has spent most of her adult life in the ocean. Starting as a scientific diver, volunteering for public safety diving operations in the 1980's, Faith became a technical diver and dive store owner in MA before joining DUI's sales team. She worked with DUI to develop some of the first women's drysuits and now leads DUI's sales team worldwide. She created DUI's DemoTour program and DiveOps Program which promotes local diving and education about drysuits. With thousands of dives over her 37 year diving career, she has led expeditions to all 7 continents and all 5 oceans including both poles.

*In the Footsteps of Ernest Shackleton* – 2016 marked the 100th Anniversary of Ernest Shackleton's historic rescue. In commemoration, 30 divers journeyed to rarely seen parts of Antarctica including some areas never charted or dove before. While it is impossible to understand Antarctica without experiencing it, this presentation is a close second. Fair warning, Antarctica will be on your bucket list after this.

**Erik Petkovic** began his diving career in 1997. In almost 20 years of diving he has logged hundreds of dives along the East Coast and Great Lakes Regions of the US. An avid shipwreck researcher, Erik has been published in multiple international dive magazines including *Wreck Diving Magazine*, *The Deco Stop* (Brazil), *Tech Diving Mag*, and others. Erik has authored the new book, *Shipwrecks of Lake Erie – Volume One*, the only book on Lake Erie shipwrecks featuring complete vessel histories, descriptive stories of loss and survival, and thorough examinations of the wrecks. Erik is available for speaking engagements. An elected Member of The Explorers Club, he currently resides in Southern MD.

*Deep Survival* – On 24 April 2004, Eric descended 137 feet below the surface in the cold Lake Erie water. He became stuck on the bottom outside

a shipwreck for 50 minutes. He then shot straight to the surface without doing any of the needed 80 minutes of decompression. This is his story of survival.

**Erin Quigley** is a Adobe ACE certified expert specializing in customized workflows and editing strategies using Adobe Photoshop and Lightroom. She is an award-winning underwater photographer and editor, and creator of GoAskErin.com, which provides post-centric resources and instruction specifically developed for the underwater photographic community. Along with her private consulting business, Erin writes the Imaging Techniques column for Scuba Diving Magazine, leads trips, and teaches workshops worldwide.

*Amazing Dirty Tricks for Underwater Photographers* – This fun presentation will demonstrate five jaw-dropping editing techniques specifically developed for underwater images using many new features in Lightroom and Photoshop. A great way to add to your editing toolbox!

**Joe Romeiro** – Growing up in and around the water, Joe Romeiro developed a love for the ocean, and especially sharks, at a young age. Joe founded 333 Productions in 2007 with fellow producer and shark conservationist Bill Fisher. Since then, they have produced several award-winning films, including Silent Requiem, Death of A Deity, A Lateral Line and Shark Culture. They have received numerous awards for their work including the prestigious Blue Ocean Film Fest's Emerging Underwater Filmmaker Award, Ocean Geographic's Award for Conservation Excellence and Wildlife Conservation Film Festivals Award for Education. They have worked with BBC, Discovery, SHARKWEEK, National Geographic, Good Morning America, USA Today, Fox, WGN and MSNBC.

*The Shark* – Joe will be presenting and talking about some of his latest work with sharks in various locations around the Globe.

**Michael Salvatore & Christopher Weaver** have been diving the waters of the world since 1978. In that time, they have spent hundreds of hours underwater and have accumulated a large and varied library of photographic images. They have presented previously at Beneath the Sea, Boston Sea Rovers, Our World Underwater and the Long Island Divers Association Film Festival. Mike and Chris have been published in numerous magazines, including National Geographic Adventure, and have authored many articles for the majority of dive publications. Their work has also been used to support a number of research and educational programs, including the Jason Project for Education, the Atlantis Marine World Aquarium in New York and the Cambridge University and the University of Groningen Arctic Centre work on monitoring the transformation of historic features in Antarctica and Svalbard.

*Rockin' Reykjavik* – Iceland is sometimes referred to as just a rock in the North Atlantic. Because of its numerous natural wonders, amazing diving opportunities and spectacular geology, Iceland is becoming a very popular destination for adventure tourists from around the world. But truthfully, Iceland is all about the rocks. Learn how divers can explore fissures in the Earth's crust and dive through the separation point between two continental plates. Flooded with decades old glacial melt water filtered through 50 miles of lava stone to produce the purest, clearest water on Earth, places like Silfra should be on every diver's radar screen. In addition, learn how to explore geothermal lakes, underwater geothermal vents and marine gardens teeming with life. On the surface, dramatic waterfalls, geysers and lava tubes make for fascinating surface intervals. Join Eco-Photo Explorers as they unlock the wonders of this fascinating destination.

**Becky Schott** is a 5 time Emmy Award-winning underwater cameraman, photographer, and technical scuba Instructor whose work can be seen on major networks including National Geographic, Discovery, and Travel Channel. She specializes in bringing back video from extreme environments including caves, deep wrecks, and under ice. Her experience working in remote locations around the world has earned her a reputation of producing quality images in challenging places. In her spare time she's participated in several exploration projects which earned her a place as a Fellow in the Explorers Club and in 2013 she was inducted into the Women Divers Hall of Fame.

*Great Lakes Ghost Ships* – For hundreds of year's ships have been using North Americas Great Lakes to transport goods and people, and for hundreds of years these ships have sank due to fire, fog, collisions and mysteriously disappeared. Each year a handful of new wrecks are discovered in depths of 1 to over 100 meters. Becky will show haunting imagery from shipwrecks from the 1700's to modern day preserved like time capsules in the cold, deep depths frozen in time.

**Jerry Shine's** new book, *A Year Underwater*, will be available this April. He's also the author of *A Shore Diving Guide To New England and Nudibranchs of the Northeast*. His writing and photography have also appeared in several hundred publications worldwide.

*New England After Dark* – After dark, New England waters become a different place. The daytime fish go to sleep. Schools of pollock and cod break up to hunt. Lobsters come out of hiding and squid turn off their camouflage. There's a lot happening. Join Jerry Shine for a look at the area's best nightlife.

**Dr. Gregory Skomal** is an accomplished marine biologist, photographer, and author. As a senior scientist with MA Marine Fisheries, he has been studying sharks for over 30 years. He has written numerous scientific research papers and has appeared in a number of film and television documentaries, including programs for National Geographic, Discovery Channel, and PBS. He has been an avid diver and underwater photographer since 1978. His most recent book, *The Shark Handbook*, explores the world of sharks.

*Seeing Deeper into the World of the White Shark* – Although sophisticated electronic tags have revealed that white sharks make ocean-scale movements and dive to depths >3000 feet, they don't tell us what these sharks are actually doing. But new tracking tools, like fin cameras and underwater drones, are providing new insights into the behavior of this species well below the surface.

**Jim & Pat Stayer** are explorers and well-known underwater filmmakers dedicated to sharing remote dive destinations to audiences across North America. They have co-authored 3 books, produced 30 DVDs and won several awards. The couple were underwater cameramen for History Channel and their footage has appeared on several major networks worldwide.

*Cephalopods – How Smart are They?* – Jim & Pat have compiled an extensive collection of cephalopods' footage, with their unique and comical behaviors. This program features some of this incredible footage including blue-ring octopus displaying their colors, wunderpus changing shapes, and flamboyant cuttlefish laying eggs, along with commentary from Dr. Roger Hanlon, senior scientist at Woods Hole.

**John Stella** has been a Dive Industry Professional for over 30 years, and has represented some of the most iconic equipment brands in the dive industry. He is currently the Northeast District Manager for SCUBAPRO USA. "it's my dream job" His diving experience spans the globe, with a special passion for the hunt for Ancient Underwater Shipwrecks. Logging literally thousands of dives over a 40-year span, John carries a Platinum 5000 card from SSI. When not hunting for ancient shipwrecks, you can find John diving for lobsters and scallops, off the coast of Massachusetts, with his brother Joe, and close friends. Read all about his last Ancient Shipwreck mission to Greece in the Winter 2016 Edition of Alert Diver Magazine.

*45 Ancient Shipwrecks Discovered in Greece* – John Stella's recent trips to Greece and the Aegean Sea, as a member of a Greek Archeological Dive Team has changed his life and is now his "new passion". The team has found and documented 45 Ancient shipwrecks over a two-year period, and some of these wrecks have rewritten ancient history as we knew it.

**Peter Venoutsos** has been a scuba diver since 1976 and a commercial diver since 1983. He has worked for private underwater engineering firms, the federal government, and the United States Navy; he is an active member of the Connecticut Underwater Archeology Committee. Peter has published many diving articles and teaches underwater photography.

*Surface Supplied Wreck Diving* – Working with the Northeast diving equipment group, see how a small group of dedicated divers travel to Tobermory Ontario best known for its wreck diving. Using the Historical Naval Diving system, The Mark V, they were successful in producing images that have never been seen before. Learn how they were able to accomplish this while over coming problems not associated with Scuba diving.

**Berkley White** 's passion for the ocean and diving led him to establish Backscatter Underwater Video & Photo in 1994. Backscatter has grown to be one of the largest underwater photographic equipment suppliers in the world with two locations in the US and is a great resource for technical support related to underwater imaging. Berkley's images and technical articles are published in US and international dive magazines and he regularly serves as a photographic judge or technical editor on publications. Berkley runs a full schedule of exotic underwater photo safaris each year and training events such as the Digital Shootout. His portfolio and presentation schedule can be found at [www.backscatter.com](http://www.backscatter.com).

*Monkey with an Underwater Camera* – Have you ever rolled into the water only to feel like a monkey with a camera hovering at 60 feet? Sensory overload and questioning where to point the camera? World renown underwater photographer Berkley White has been there too and will share his latest techniques on underwater photography and how you can get inspired with your camera. From great shots with only a snorkel, to elaborate set-ups with tripods and rebreathers, this session will inspire new and advanced underwater photographers.

**Andrea Zaferes** – With 27 years of working in the field of submerged body/evidence recovery and investigation with TeamLGS teaching fire, law enforcement and military teams, Andrea is a noted innovator in aquatic death investigation. She is an investigator for Dutchess County Medical Examiner office, is the NYS DCJS Aquatic Death Investigation Instructor, has more than 100 publications, is an aquatic consultant for the National Center for Missing & Exploited children, has presented at over 150 conferences, has taught over 2,000 law enforcement/death investigators in her two-day Aquatic Death Investigation program, and serves as a body-found-in-water expert witness. Andrea has received national and international awards such as the DAN-Rolex Dive of the Year and Beneath the Sea Diver of the Year.

*The Art of Dive Planning Series – Air Management* – Do you know your Surface Air Consumption or Breath Per Minute rate? How about your buddy's or the divers in your care? Why are SAC and BPM rates so important? Too many divers blindly follow a divemaster's or buddy's plan. Why are divers of all levels running out of air everyday? How can this so easily be prevented? Learn how the same procedures used to lower SAC rates are also the ones to make you a safer and better diver. Learn how to breathe more safely and perform effective air management.

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## Boston Sea Rovers 2017 Exhibit: The Wreck of the Andrea Doria

This year, the Boston Sea Rovers Show honors the 60th Anniversary of the sinking of the Andrea Doria with a special artifact exhibit.

The Italian liner ANDREA DORIA, one of the most luxurious ships ever to sail, began service in January, 1953. Built at a cost of 25 million dollars, she was a technological tribute to Italy's advanced shipbuilding industry and carried the newest navigation, radar, and safety equipment. The 700 foot long ship cruised at a speed of 25 knots and had accommodations for 1,825 passengers. Filled with paintings, murals, sculptures and tapestries, the works of Italy's most prominent contemporary artists, she was truly a 'Floating Art Gallery'.

At 11:11, on the night of July 25, 1956, as she approached New York, the ANDREA DORIA collided with the Swedish vessel STOCKHOLM. The STOCKHOLM remained afloat and returned to New York, but eleven hours later the ANDREA DORIA sank to the bottom. The wreck now rests on her starboard side in 250 feet of water approximately 50 miles south of Nantucket Island, MA.

Boston Sea Rovers have made hundreds of dives on the wreck. The exhibit features recovered artifacts including the ship's bell, helm, china, dishes, crystal, silverware and much more.



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# Boston Sea Rovers Sunday Marine Science and Conservation Forum

*"Raising the Level of Knowledge of the Underwater World"  
Focus on marine science, education, and conservation*

## **Marine Science and Conservation Public Forum - Doc Edgerton Room**

Day-long session featuring 30 minute presentations on Gulf of Maine underwater habitats, marine protected areas (MPAs), ocean planning, citizen science involvement, and sustainable fisheries.

### **9:30: Rock Wall Communities of Massachusetts Bay – A 40 Year Monitoring Study**

*Ted Maney – Salem State University*

In 1977, Ken Sebens began a long term monitoring of rock wall communities at sites off East Point, Nahant and Halfway Rock. As this study enters its 40th year, Ted Maney will report on how this habitat has changed over time and what has accounted for these community changes.

### **10:00: The Kelp Ecosystem Ecology Network of New England**

*Jarrett Byrnes – UMass Boston*

The coast of New England is covered in vast meadows of kelp. These forests provide homes to fish and lobsters, buffer our shorelines, feed many species, and more. How will shifting climates affect their future? Hear how KEEN ONE is trying to assess the long-term health of NE kelp beds.

### **10:30: Seagrass, The Forgotten Marine Habitat**

*Phil Colarusso, US EPA*

Many divers swim past seagrass meadows on their way to look at reefs or catch lobsters. Learn about the many ecological roles seagrasses play, from important nursery habitats for fish and invertebrates to critical buffers in global climate change, warranting greater conservation efforts.

### **11:00: A Clam's Eye View Of Climate Change: How Do Non-Human Organisms Experience Their Shifting World?**

*Brian Helmuth – Northeastern University Marine Science Center*

The effects of climate change are ubiquitous, but as humans we can have a rather biased view of what that entails. Using biomimetic robots, computer modeling and virtual reality technology, explore the world from the viewpoint of marine animals to better understand the impacts of climate change on the marine environment.

### **11:30: Science and Conservation in the Phoenix Islands Protected Area**

*Randi Rotjan – Boston University/New England Aquarium*

Since 2000, there have been scientific expeditions to the Phoenix Islands. Starting in 2010, marine-based expeditions began to follow a strategic path outlined in the 2010-2020 PIPA Research Vision. With 4 years left to go, major progress has been made on many of the priority areas including exploration, climate change, and connectivity. Learn about this science and conservation strategy, updated with current results and challenges to-date. Upcoming expeditions will also be outlined, including three 2017 expeditions (2 deep sea, 1 oceanography). All told, the marine science components of PIPA remain strong, and continue to provide an important context for MPA management and conservation.

### **12:00: Northeast Regional Ocean Plan**

*John Weber - Northeast Regional Ocean Plan*

In December, 2016, the National Ocean Council certified the Northeast Regional Ocean Plan, meaning that implementation of the plan is now underway. This presentation will provide an overview of this ground-breaking blueprint for management of human activities and protection of ocean resources in New England, including a discussion of next steps.

### **1:00: Northeast REEF GAFC 2016 summary report**

*Uma Mirani – New England Aquarium Dive Club*

New England Aquarium Dive Club (NEADC) organizes and sponsors the Northeast Reef Environmental Education Foundation (REEF) Great Annual Fish Count (GAFC) as a REEF Field Station. Divers and snorkelers conduct field surveys of fish and invertebrates and submit data to the REEF Volunteer Fish Survey Project. Find out more and how to become involved in this Citizen Science project.

### **1:30: Citizen Science: Monitoring the Massachusetts Coast**

*Pam DiBona – MassBays National Estuary Program*

Volunteers take water samples, count herring and horseshoe crabs, collect marine trash and plant eelgrass all along the Massachusetts coast. To help local groups make the most of their data, MassBays National Estuary Program established the Citizen Monitoring Coordinators' Network. Find out how you can join the effort.

### **2:00: Aquaculture: Already in Your Backyard**

*Mark Dixon – NOAA Fisheries*

Aquaculture is a rapidly growing sector in the world-wide food industry. Currently more than half of the world's seafood is produced from aquaculture, but in the United States it lags far behind the rest of the world. One bright spot is the New England shellfish industry.

### **2:30: Sustainable Fisheries**

*Margaret Malkoski – National Fisheries Institute*

Seafood plays a vital role in food security, providing nutrition and a source of income for many families. The US is both a seafood-consuming and fishing nation and with an expected population growth to 9 million people by 2050, sustainable seafood will continue to be an important source of protein. Learn about the Global Sustainable Seafood Initiative (GSSI) and how the seafood industry actively participates in the conservation and management of fisheries.

### **3:00: Boston Sea Rovers 2016 Summer Internship Report**

*James Allan - 2016 Boston Sea Rovers Summer Intern*



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# 2017 Workshop Schedule

Find full details and descriptions online at: [bostonsearovers.com](http://bostonsearovers.com) and get room locations from signage at the show.

## Friday:

- 8AM - 5:00PM | NAUI First Aid IT Workshop
- 8AM - 5:00PM | Visual Cylinder Inspection Training & Refresher
- 9AM - 5PM | Lightroom Bootcamp

## Saturday:

- 8AM - 10AM | PSI-PCI Annual Update
- 8AM - 11AM | Knot Tying and Rigging for Divers
- 8AM - 5:30PM | Sherwood Regulators Service Clinic
- 9AM - 12PM | The Rise of the Citizen Scientist: Opportunities for Recreational Divers
- 9AM - 12PM | Wide Angle Shooting and Editing for UW Photographers
- 9AM - 5PM | Seashells Around the World Exhibition (Free)
- 10:30AM - 12:30PM | Valve Repair Technician
- 11:30AM - 1:30PM | Divers Fatality Investigations
- 1PM - 4PM | Get the Most out of your GoPro
- 1PM - 4PM | Northeast Regional Diving Safety Officer Meeting
- 1PM - 4PM | Where the #\*%! Are My Images? – How to Get and Stay Organized in Lightroom
- 1PM - 5PM | Dive Equipment Troubleshooting & Field Maintenance
- 1:30PM - 3:30PM | Oxygen Cylinder Cleaning Technician
- 2PM - 5PM | Ultimate Underwater Movement for all divers
- 4PM - 6PM | Eddy Current Technician

## Sunday:

- 8AM - 9:30AM | NAUI Member Update
- 8AM - 10AM | PADI Member Forum 2017
- 9AM - 12PM | COMS Fair (Career Opportunities in Marine Sciences)
- 9AM - 12PM | Getting Rid of Backscatter, Bad Lighting, and Bozos
- 9AM - 12PM | Learn Video Editing
- 9AM - 3PM | Seashells Around the World Exhibition (Free)
- 1PM - 2:30PM | Amazing Trip Videos that Your Friends and Family Will Love!
- 1PM - 4PM | Boy Scouts Oceanography Merit Badge Workshop
- 1PM - 4PM | Ocean Access Issue Meeting
- 1PM - 5PM | Teaching NAUI Leadership Workshop

## Solid Brass Sponsors

The following Sea Rovers and friends have made a donation to help our organization bring you this program guide and in support of the Sea Rovers' mission: Education, Conservation and Exploration of the Underwater World.

### George Buckley

In Honor of T. Walker Lloyd

### Valerie E. Gould

in Honor of Jack Chalk - dear friend, colleague and long time supporter of the BSR COMS program

### Marty Klein, Erin Quigley

If you'd like to help support the Sea Rovers mission, go to [www.bostonsearovers.com/donate/](http://www.bostonsearovers.com/donate/)



### Save the Date!

Next year's show will be  
**March 10<sup>th</sup> - 11<sup>th</sup>, 2018**



## Sea Rovers COMS Fair, Sunday March 12, 2017 10AM – 12 PM

Explore career and educational opportunities in marine STEAM (Science, Technology, Engineering, Arts, & Math) based programs. Representatives from the following programs will be on hand to provide information on their programs for both undergraduate and graduate opportunities.

### Academic Institutions

Broadmore College  
Harvard Extension Sustainability and Environmental Management Graduate Program  
Marine Biological Laboratory  
Northeastern University Marine Science Center  
Nova Southeastern University (materials)  
Salem State University Biology and Cat Cove Marine Lab  
School for Field Studies (materials)  
Sea Education Association  
Shoals Marine Lab; Cornell University, UNH

Southern ME Community College (materials)  
UConn Marine Science Institute  
UMass Boston Biology  
Unity College  
The University of Maine, Darling Marine Center  
University of New England  
University of Rhode Island  
University of Washington Friday Harbor Labs (materials)  
WHOI (materials)

### Scholarship and Internship Opportunities

American Academy of Underwater Sciences (AAUS)  
Boston Sea Rovers Summer Internship  
EPA Summer Internships  
MA Division of Marine Fisheries Volunteer & Seasonal Employment  
NEAQ Internships/Volunteers

NOAA Internships  
NSF Research Experiences for Undergraduates (REU)  
Our World-Underwater Scholarship Society Scholars and Internships  
Women Divers Hall of Fame Scholarships  
Woods Hole Partnership Education Program (PEP)

In addition, there will be numerous opportunities to talk with members and associates of the Boston Sea Rovers and exhibitors at the Clinic about potential careers.

## COMS (Career Opportunities in Marine Science) Friday, March 10, 2017

Each year, the Sea Rover host a Career Opportunities in Marine Sciences (COMS) program on the Friday before the Show. Interested secondary-school aged students and faculty from all parts of Massachusetts join us to learn about the exciting and varied career opportunities available in and around the ocean environment. Private grants permit us to run this event with no admission fees.

At this year's COMS event, students had the opportunity to hear from Dr. Greg Skomal about technological advances being used for great white shark research, Megan Cook on Research at Sea on Board the E/V Nautilus with Dr. Robert Ballard and Annie Opel from Harvard about coral reef research in St Croix. Amy Giannotti spoke about field research in the Florida, Bill Murphy about octopus biology and volunteer programs at the New England Aquarium and Boston Sea Rovers about the Sea Rovers Internship Program.

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## In Memoriam



### T. Walker Lloyd

Long-time Sea Rover T Walker Lloyd was the first underwater representative for the Rolex watch company who not only provided support for legions of oceanic projects, he was an active participant in many of them. This led to some fantastic adventures and some misadventures on expeditions around the world working with Jacques Cousteau, Scott Carpenter, Sylvia Earle, Harold "Doc" Edgerton, Eugenie Clark, the National Geographic Society and a host of others, all the while garnering expanded support for their projects. As a pioneering adviser in the development of the Rolex underwater line, T would often travel the world to help test products. Here at home, T was dedicated to his beloved Boston Sea Rovers assisting with their Diver of the Year program and later the Cotting School/SEAMARK programs for disabled children.

## Remember to Raise a Toast To All of the Rovers Past

Elga Andersen Gimbel  
George Benjamin  
George Bond  
Bobby Boyle  
Jim Brown  
Lois Buskirk  
Van Buskirk  
Bill Carmichael  
Jack Chalk  
Eugenie Clark

Chip Cooper  
Jacques Yves Cousteau  
Mike deGruy  
Norm Despres  
Craig Douglas  
Steve Drogin  
James Dugan  
Ruth Dugan  
Harold Edgerton

Walter Feinberg  
Walter Gaudet  
Peter Gimbel  
Harold Goodwin  
R.W. 'Bill' Hamilton  
Walt Hendrick Sr.  
Peter Hess  
Clifford "Bunky" Hodge  
Richard Irvine

Norman Katz  
Delbar Keily  
Luis Marden  
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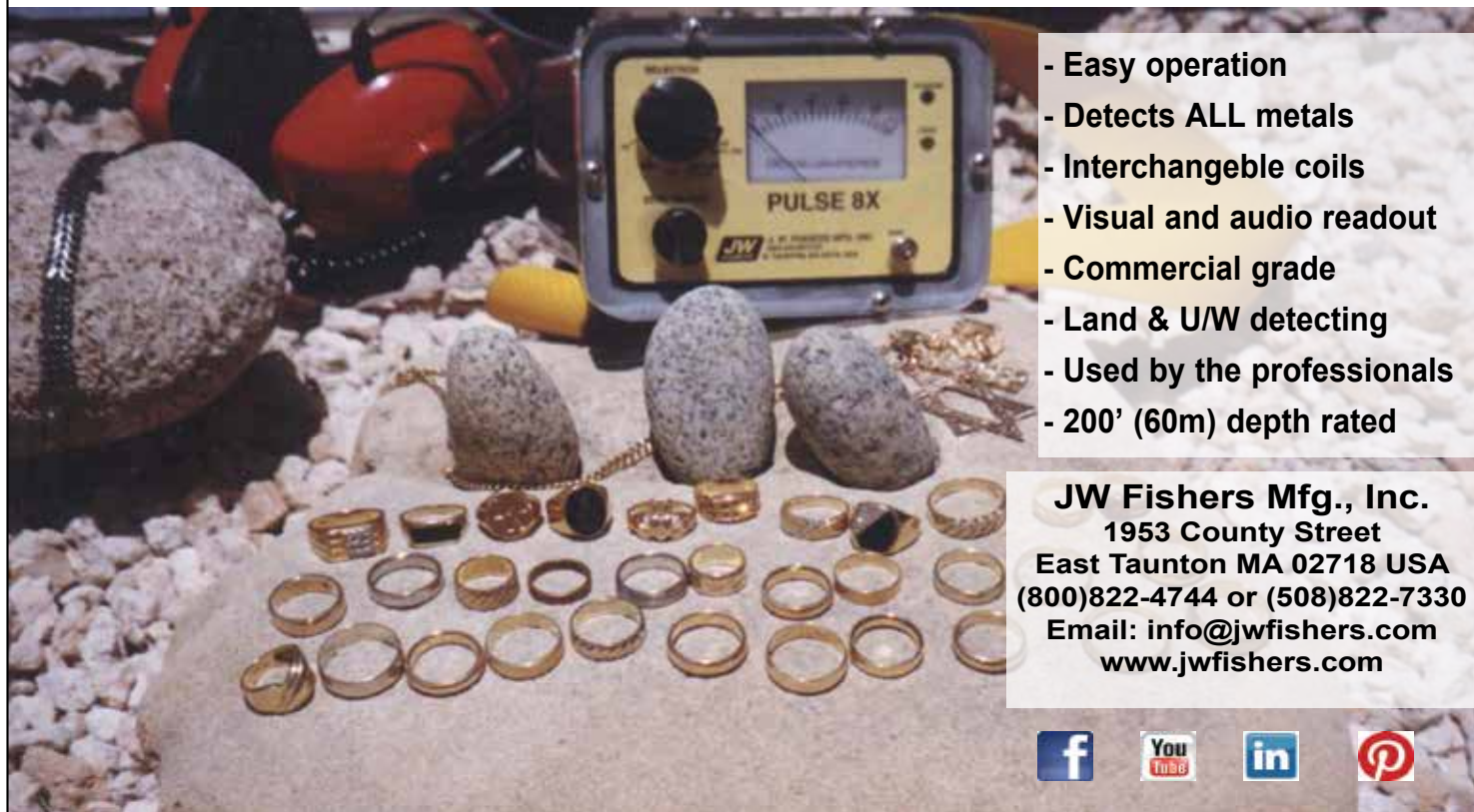
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