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Midwest Dive News



June 2009

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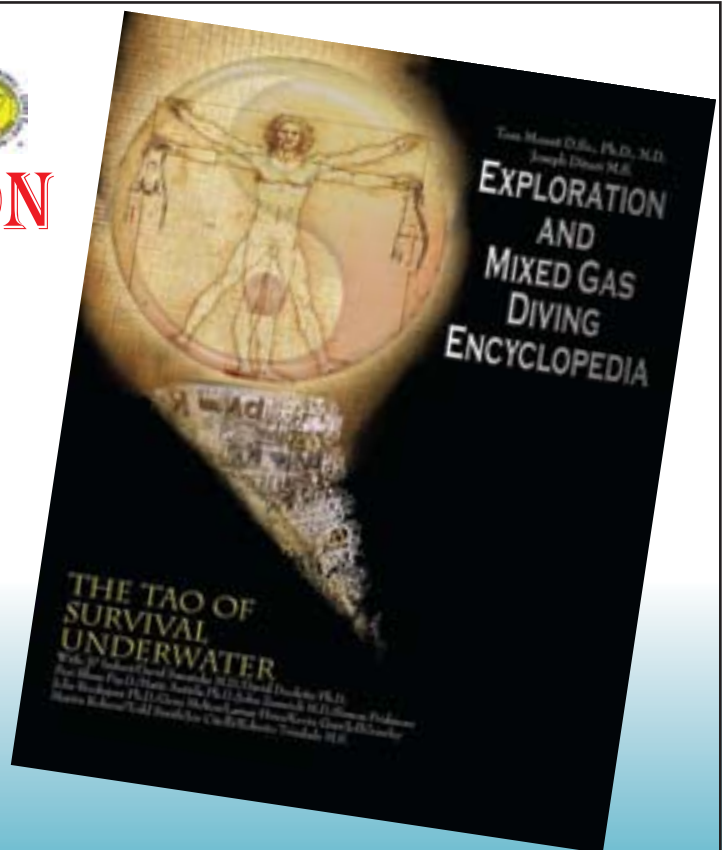


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Dive News Magazine is committed to promoting the sport of scuba diving in the Northeast and Midwest. We will present a practical, unbiased point of view regarding all aspects of the sport of scuba diving.

The Dive News Magazine believes in honesty and integrity in business and will support all efforts related to this. We encourage readers to participate in determining the content of this publication by giving us their opinions on the types of articles they would like to see. We invite letters to the editor, manuscripts and photographs related to diving or diving-related business. Send us your stories and photos!

IMPORTANT NOTICE

The Dive News Magazine reserves the right to refuse service to anyone it chooses. The contents of Northeast and Midwest Dive News are opinions of individual writers and do not necessarily reflect the views of the publisher, editor or any of its staff. The publishers and contributors assume no responsibility for any mishap claimed to be a result of use of this material. Diving is an adventure sport and contains inherent risks. Improper use of diving equipment or improper diving techniques may result in serious injury or death. Readers are advised to use their own best judgment in each individual situation.

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ABOUT THE COVER



◀Cover Photo by Warren Lo

Toronto, Ontario, boasts tremendous opportunities to explore the rich marine heritage in the Great Lakes. Warren Lo takes the time to explore as many wrecks in his home town of Toronto as possible and is rarely seen on a dive without a camera in hand. His pictures of these amazing shipwrecks have been showcased over the years in various publications, newspaper and television. For information or to see more images Warren has taken, please visit www.warrenlophotography.com.

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NORTHEAST US DIVES

10 Diving into Long Island Waters

By Bill Pfeiffer

The bays, inlets, and beaches of the Long Island area are a diver's paradise with depths that are home to some of the more famous shipwrecks on the east coast. These waters which go from cold winter dives to warm summer dives beckon tropical fish to the area provide great locations for beginner and expert divers alike.



NORTHEAST CANADIAN DIVES

14 Georgian Bay - A Wreck Diving Paradise

By Alec Pierce

Heavy maritime traffic has made the bay one of the top freshwater wreck diving site in North America. Crystal clear water and the incredibly intact wrecks draw quite a crowd during summers. Accessible, located an hour and a half from Toronto and just a short six-hour drive from New York, Georgian Bay is a big draw for the divers throughout the region who seek affordable trips.



MIDWEST DIVES

20 International Legends Honored

By Jamie Farris

They are the trail blazers of the world's waterways who explored new frontiers to make the way for generations of scuba divers to come. They are the International Legends of Diving and in April of this year they were honored for the work they have done and the things that they have accomplished.



TROPICAL DESTINATIONS

24 Discovering the Philippines

By Denise Mattia

My expectations were great when I embarked on a 10-day trip to the Philippines, with plans to dive everything from World War II shipwrecks to lush coral reefs off islands that comprise the Philippines archipelago. I chose three of 7,107 islands, some barely break the surface of the water, that divide the South China Sea and the Sulu Sea from the Pacific Ocean. Any qualms about going such a distance disappeared the following morning, when I sank into the waters off Panglao Island.



GRADUATE TO DIVING



Millions of people walk across stages this month to be handed diplomas and given handshakes as they graduate from schools and begin the adventure of finding jobs and earning livings. For many, the ceremonies mark the end of formal education as they apply their specialized skill to newfound jobs.

Summer is prime time for dive training in North America, when many people are bursting with enthusiasm to take up an outdoor adventure sport after long cold months of being indoors. A month of lessons later they graduate by earning certification cards. Unlike graduates of academic programs, though, these newly minted divers are only beginning

to learn the arts and sciences of diving. The constant quest to learn more, see more and experience more is what keeps this sport so fresh, year after year.

Advanced certifications allow sport divers now to achieve levels of exploration that would have been unfathomable a generation ago. Training can extend the concept of recreation to finding new passages in caves, finding and identifying lost shipwrecks and going to great depths by using carefully calculated gas mixes and rebreathers that are as technologically sophisticated as astronauts' breathing systems. Not all training is complex or expensive. It can be as simple and cheap

as test diving a drysuit at a local quarry or swapping gear tips and fish IDs over beer at the dive club. Those without a thirst to expand their knowledge will lose interest in this sport. There is no such thing as knowing it all in diving.

We learn about diving every month from you, our readers. So as your summer fills with diving adventures, please continue to take notes and send in your stories to share with all the members of the region's biggest dive club.

Bob Steiner

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HELLO BOB,

I am seeking information on diving Lake George, N.Y., this summer. Particularly, I would like to visit the radeau Land Tortoise. I have searched the Internet, and have not found accommodations, a dive shop or charter that would permit me to organize a visit to scuba Lake George. Any help you could offer would be appreciated,

Thanks,
Alan G. Tessier
Internet

H'LO ALAN,

The New York State Divers Association is hosting its annual meeting at Lake George June 19-21. If anyone would know of operators there, it would be NYSDA. Learn about New York diving by visiting NYSDA's Web site, www.scubany.org or make a reservation to attend the meeting by calling Ray Tucker at (315) 337-6938.

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Bob Steiner

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Lake George, NY photo courtesy Jeff Jones (www.jeffjones-strategies.com)

Primary Lights	MSRP*	Hotspot (eV)*	Burn Time*
Aquatec AquaStar 3X	\$99.99	9.5	8 h
Tusa TUL-300 LED†	\$89.00	5.9	3 h
Sartex EBL 2200†	\$125.00	7.6	4 h
Green Force Ceto D†	\$279.81	7.9	8 h
Princeton Tec Miniwave LED†	\$124.99	8.0	4 h
Oceanic OP 3x3 LED†	\$284.95	7.6	8 h
UK AquaSun eLED†	\$399.99	9.4	2 h

AQUASTAR 3X STANDS UP TO THE COMPETITION

*Data from Scuba Diving Magazine Jan/Feb 2009 Dive Light Review
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Dealers Inquires Welcomed

CODY UNSER AT DUTCH SPRINGS HSA EVENT

Cody Unser, disabled sister of NASCAR driver, Al Unser Jr., will host a disabled scuba event at Dutch Springs, Bethlehem, Pa. The Cody Unser First Step Foundation is inviting folks to participate in a special event May 30 to June 2 at Dutch Springs. Cody and her team, Operation Deep Down, are hosting a Handicapped Scuba Association training event in conjunction with her PBS documentary film premier. This is an opportunity for divers to become certified to buddy or teach adaptive scuba and immediately apply their skills at Hershey Park, Hershey, Pa., on June 2nd during the Paralyzed Veterans of America Discover Scuba Event. For info visit www.dutchsprings.com

DIVE RALLY AT BROWNSTONE QUARRY

On The Long Island Dive Association will sponsor a dive rally June 12-13 at the Brownstone Quarry in Portland, Conn. The Historical Diving Society will be hosting the dive rally. For a small donation, you can dive an authentic Mark V helmet and dress. This weekend-long event will also include plenty of scuba diving, camping, and other activities. For info visit www.lidaonline.com

TRY WHITES SUITS AT DUTCH SPRINGS

Whites Demo Day at Dutch Springs on June 7-8 will give divers a chance to see and test Whites drysuits as well as other equipment. The event will host an afternoon barbecue and a chance. The Whites tour is stopping at dive sites around the country. For info visit www.dutchsprings.com

**U-BOAT DIVES THE POTOMAC**

The remains of a World War II-era German submarine have been placed in its resting place on the bed of the Potomac River in southern Maryland. The submarine is located in an area designated as the Black Panther Shipwreck Preserve, and is one mile west of Piney Point Lighthouse in St. Mary's County. For info visit www.co.saint-marys.md.us

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VANDBERG SINKING AT KEY WEST

The ex-military missile tracking ship *Gen. Hoyt S. Vandenberg* should now be underwater off Key West, Fla. At press time, the ship had arrived off Florida after being towed for 1,110 miles from Norfolk, Va. Project organizers said the scuttling was to take place sometime between May 20 and June 1, about six miles south of Key West at 140 feet in the Florida Keys National Marine Sanctuary. The creation of this artificial reef will be the culmination of more than a decade of planning and fundraising. For info visit www.bigshipwrecks.com

**ANNUAL DIVE RITE TECH TOUR**

Divers can experience the complete line of Dive Rite gear at the Annual Dive Rite Tech Tour. They will conduct new product and O2ptima clinics throughout the day at various sites around the country. This is open to all certified divers. The Dive Rite Tour will be at Gilboa Quarry, near Findlay, Ohio, on June 6-7 and at Dutch Springs, Bethlehem, Pa. on June 13-14. For info visit www.DiveRite.com.

DIVERWIRE UNVEILS BRAND NEW WEBSITE

Dive consumers looking for breaking news and information that is SCUBA-centric will certainly find it at www.DiverWire.com. The site has recently been updated and enhanced to incorporate all of the latest online features and news presentations. *DiverWire.com* was developed in conjunction with Shark Byte Design (www.shark-byte.us) a Phoenix, Arizona-based firm with extensive expertise in news content development, the recreational scuba diving industry and incorporating both into effective presentation. For more details on the site, go to www.DiverWire.com or contact Scott Jones at (480) 588-8580.

MARES DRY SUITS RECALL

There has been a recall for the Sitech dry suit inflation hoses supplied to Mobby's, the producer of Mares Drysuits. The recall is specifically for the low-pressure inflation hoses. The hoses are recalled for the removal of the plastic flow-restricting insert. All end consumers/owners must send the inflator hose back to the Mares Dealer where the suit was purchased or to the Mares US Service Center so that the insert can be removed at no charge. For more info visit www.mares.com

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Northeast

JUNE

June 3: Wednesday Night Dives, 5:30 p.m., Essex, Conn., (860) 767-1960.

June 3: Dive Club Meeting, The Hammerheads, 7 p.m., Salty Dog Eats & Drinks, Lynnhaven Dive Center, Virginia Beach, Va. (757) 481-7949.

June 4: Coast Guard rescue demo, 5:30 p.m. Whites Beach, Manchester, Mass. www.northshorefrogmen.com.

June 4-7: American Littoral Society's Maine Coast Weekend, Reservations required. www.littoralsociety.org.

June 5-7: Drive and Dive, All Day, Everyday, Scuba Shack, Rock Hill, Conn. 860-563-0119.

June 5-7: American Littoral Society's Montauk- N.Y., Weekend. Reservations required. www.littoralsociety.org.

June 5-7: Drive and Dive Days, Dive Dutch Springs, Bethlehem, Pa., ScubaShack, (860) 563-0119.

June 6: Drift Dives Dingmans Landing, 8 a.m. Delaware River, Pa, scubadms.com.

June 6-7: 4th Annual Yard Sale, Free food, great deals and prizes, Lehigh Valley Dive, Bethlehem, Pa., (610) 746-4016.

June 8-10: Wreck Hunt weekend, Olympus Dive Center, Moorehead City, N.C. www.olympusdiving.com.

June 10: Princeton Tec Demo Days, all day at Dutch Springs Quarry, Bethlehem, Pa. www.dutchsprings.com.

June 10: Photographer Mark Snyder talks on multi-strobe setups, 7 p.m. New York City Sea Gypsies. www.seagypsies.org.

June 12-14: Vintage Dive Rally, All Day, Historical Diving Society and Brownstone Park, Portland, Conn., (866) 860-0208.

June 15-18: Spear Fishing dinner diver weekend, Olympus Dive Center, Moorehead City, N.C. www.olympusdiving.com.

June 15-18: Rebreather Only Charter, Olympus Dive Center, Moorehead City, N.C. www.olympusdiving.com.

June 19-21: New York State Divers Association Convention, Lake George,

N.Y. Ray Tucker: (315) 337-6938. or www.scubany.org.

June 20: Night Dives, 4 p.m., Hearthstone Point State Campground, Lake George, N.Y. scubadms.com.

June 20: Summer Solstice Charity Event, Brownstone Park, Portland, Conn. (866) 860-0208.

June 22-26: Scuba Rangers, Kids ages 8-12, 8:30 -11a.m. Lynnhaven Dive Center, Virginia Beach, Va., 757-481-7949.

June 24: Princeton Tec Demo Days, all day at Dutch Springs Quarry, Bethlehem, Pa. www.dutchsprings.com.

June 27: Gala fundraiser raffle for Lake Champlain Maritime Museum, Vergennes, Vt. www.lcmm.org.

June 27: Princeton Tec Demo Days, all day at Dutch Springs Quarry, Bethlehem, Pa. www.dutchsprings.com.

JULY

July 8: Princeton Tec Demo Days, all day at Dutch Springs Quarry, Bethlehem, Pa. www.dutchsprings.com.

July 8: Northeast Dive News Editor Bob Sterner talks on Diving in Paradise, 7 p.m., New York City Sea Gypsies. www.seagypsies.org.

July 11: Dive Lake Sacandaga, N.Y. New York State Divers Association. www.scubany.org.

July 20-26: Valcor Island, N.Y., camp and dive outing, New York State Divers Association. www.scubany.org.

July 21: Eco-Photo Explorers talk on Galapagos, 7-8:30 p.m., Brentwood, N.Y., Public Library. www.ecophotoexplorers.com.

July 22: Princeton Tec Demo Days, all day at Dutch Springs Quarry, Bethlehem, Pa. www.dutchsprings.com.

July 24-26: 4th Annual Lobsterpalooza, New England Aquarium Dive Club, Boston, www.neadc.org

July 25: Great Annual Fish Count, Stage Fort Park, Newport, R.I. www.neadc.org.

July 25: Princeton Tec Demo Days, all day at Dutch Springs Quarry, Bethlehem, Pa. www.dutchsprings.com.

Midwest

JUNE

June 5- 6: Treasure Hunt at Bonne Terre Mine, Bonne Terre, Mo. www.scubaboard.com

June 6-7: DUI Demo and DOG Days- Scuba Emporium Pearl Lake, South Beloit, Ill., (954) 572-2642

June 9: Narked Sharks Club Meeting, 7 p.m. – 9 p.m., Illinois Institute of Diving, Glen Ellyn, Ill., (630) 469-3483.

June 11: Dive Club Meeting The Aquaholics, 7:00, Dive Right In Scuba, Plainfield, Ill., (815) 267-8400.

June 14: Annual Dive Club Picnic, 12 p.m. Spring Mill Pond, Aquatic Adventures of Michigan, Brighton, Mich., (810) 225-9868.

June 24: Underwater Archaeological Society of Chicago Meeting, 6:30 p.m., Helix building, Chicago, www.uaschicago.org.

June 15: Nancy Boucha speaks at Chicago Scuba Meet Up, Chicago www.meetup.com/chicago-scuba-meetup

June 27: Aqualung Demo Day. 9 a.m. Haigh Quarry, Kankakee, Ill., (815) 939-7797.

June 27: Scuba Camp for Kids 8-12, 11 a.m. Scuba Systems, Skokie, Ill., (847) 674-0222

June 28: Dive Equipment Flea Market, Haigh Quarry, Kankakee, Ill., www.haighquarry.com.

June 28: Gorilla Hunt: Support the local dive team, Extreme Sports Scuba, Joplin, Mo., (417) 659-9009.

JULY

July 4-5: Digital Underwater Photography Contest, White Starr Quarry, Gibsonburg, Ohio, www.whitestarrquarry.com.

July 12: Underwater Treasure Hunt, 2 p.m. Spring Mill Pond, Aquatic Adventures of Michigan, Brighton, Mich., (810) 225-9868.

July 26: Jim Haigh Memorial Dive / Diver Appreciation Day, Haigh Quarry, Kankakee, Ill., www.haighquarry.com.

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Northeast Is Cow-Nose Rays' Oyster



Cow-nose ray glides over the sand at its winter home off Florida.

By Ellsworth Boyd

Sharp-eyed Northeast divers may notice a visitor from Florida during the summer months when cow-nose rays commute up the Atlantic Seaboard to northern mating grounds.

The rays have poisonous stingers at the base of their tails, but seldom use them, according to Bob Fisher, a Virginia Institute of Marine Science biologist. He said that usually people get stung when they try to pick up rays or when bathers accidentally step on them. It doesn't mean however, that the sting can't be harmful.

"Some people put too much trust in them," Fisher says, pointing to a puckered scar on his right arm, a mark left from the last time he was stung. He says it wasn't pleasant and that the toxin created a burning sensation that went through his whole body.

Although they're only a nominal threat to humans, the odd-looking animals do impart a major sting to the shellfish industry. As they migrate to northern waters, they vacuum up millions of oysters and deliver a massive blow to shellfish recovery programs.

Cow-nosed rays are about three feet across when fully grown and weigh about 35 pounds. Their nickname comes from their slightly bovine appearance, with eyes on the sides of their heads. Scientifically identified as *Rhinoptera bonasus*, they are an ancient species related to sharks with similar gray skin. They lack sharp teeth, having bony plates in their sucker-like mouths to grind up shellfish and worms.

The animals spend their winters in the warm waters near Florida, then flock by the millions to mate in the Chesapeake Bay around Virginia and

Maryland. Then they head south again in September.

Wherever they go, the rays devour hundreds of thousands of oysters and then go on their way. Not long ago, a swarm of cow-nosed rays gobbled up 775,000 oysters planted on artificial reefs by the Chesapeake Bay Foundation. As oyster growers everywhere try to revive their industry, they face ever-growing threats by the rays.

One of the reasons for their over-abundance is due to the excessive fishing of sharks in the Atlantic Ocean. Many sharks have been slaughtered for their fins, which are sold in Asia as a delicacy. This has thrown the ecosystem out of balance in that rays are the sharks' prey.

Atlantic cow-nosed rays are a smaller species than the Pacific stingray that pierced the heart of television naturalist Steve Irwin.

Fisher and his biologists say that not much is known about cow-nosed rays because few studies have been conducted on them. In lab experiments, magnets have been used successfully to repel rays. As a result, oyster farmers are now considering using magnets around their beds to try and ward off the rays.

Cow-nose ray meat has been donated to chefs in various restaurants for possible use in soups and fajitas. But the idea hasn't taken off due to the unusual texture of the meat. It's a bloody meat that needs special preparation, something most chefs don't want to fool with. ■

Ellsworth Boyd is a freelance writer living in Whitehall, Md. Contact Ellsworth at ellsboyd@aol.com.

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their parcel on the interactive ocean map. Users can even leave messages for others to read within the OceansForMe community.

You will get the GPS coordinates of your parcel. This is a virtual reality ownership through the website but even NOAA officials are seeing the merit of this program. "We are all responsible for the future of the ocean and the ocean's future us our future; now with this ocean registry

you can adopt your own piece. It's a great way to connect to the ocean and pass a "piece of it" on to others, and get all of us focused on what our responsibility is. It's a great way for people to feel personally invested in the future of our ocean its resources", says Dan Basta, head of NOAA. For more info on how you can get your piece of the world's oceans visit www.oceansforme.com. ■

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Diving Into Long Island Waters



▲ USS San Diego photographed 28 January 1915, while serving as flagship of the Pacific Fleet. Her name had been changed from *California* on September 1, 1914. Note two-star Rear Admiral's flag flying from her mainmast top. Photo courtesy: Courtesy NJScuba.net

▲ A boardwalk leads to the beach, Fire Island, N.Y.. Photo by: Marie LeTourneau

By Bill Pfeiffer
Contributing Writer/Dive Instructor

Whether you are a beach diver or a wreck diver there are a lot of scuba diving opportunities available in the waters surrounding Long Island. The bays, inlets, and beaches of Long Island are home to some

of the more famous shipwrecks on the East Coast. Whether cold winter dives or warm summer ones the waters provide great diving for beginners and experts alike.

Divers here tend to fall into one of two groups – beach divers and wreck divers. It sometimes seems that there isn't a lot of

crossover but we take every opportunity to encourage divers to get out and hit the water regardless of their preference. We are constantly trying to get the ones who want to come out and play on the beaches to visit our wrecks and the wreck divers to come play on our beaches.

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▲ Oregon steams under way in a historic photo. Courtesy Eco-Photo Explorers

▲ A shot of the beach on a REALLY windy day, Fire Island, NY. Photo by: Marie LeTourneau

Long Island's shipwreck diving is among the best in the country with treasures still to be found throughout. Some wrecks have been featured on History Channel specials, such as the wreck of the *U.S.S. San Diego*. Our shoreline offers a variety of unique sites sure to satisfy the inquisitive diver. No matter what draws you to the water, Long Island dive sites have the perfect dive for the curious and the adventurous. Dive shops, dive charter boats, and scuba clubs are easy to find throughout Long Island.

There are lots of options to draw wreck divers to the waters located between New Jersey and Block Island. Long Island is a thin island shaped like a fish with the head to the west and the tail fins to east. The area south of **Fire Island**, Long Island's barrier beach, holds literally thousands of wrecks. Boats depart from south shore marinas in Brooklyn, Hempstead, Freeport, Captree, Moriches and Shinnecock. From the eastern end of the island they depart Montauk for Block Island wrecks and the *Andrea Doria*, the Italian

luxury liner that sank following a collision in heavy fog on July 25, 1956 with the Swedish freighter *Stockholm*.

The *San Diego* is Long Island's signature wreck. Mystery remains as to whether it was a mine, torpedo or an accidental explosion that caused the armored cruiser to sink following an explosion on July 19, 1918. It now lies upside down about 14 miles southeast of Fire Island at 110 feet with its keel at 70 feet. Divers can penetrate the vessel, but this is advisable only for advanced divers with specialized wreck diving training. Anemones, blackfish, black sea bass, lobster and crabs swarm about the wreck.

A bit deeper off Fire Island is the wreck of the *Oregon*, a 518-foot long steamship that was sunk following a collision with the three-masted schooner *Charles R. Moss* on March 14, 1886. It now lies at 130 feet and still regularly yields museum quality artifacts to those with the skill and patience to find them, along with trophy-sized lobsters. The ship was carrying new immigrants to the United States and all of their worldly possessions sank with the vessel, but the 845 passengers and crew escaped with their lives. It also carried artifacts for display at the New York Museum of Natural History.

The area's most famous wreck is the *SS Andrea Doria*, considered by many to be the Mount Everest of diving. Of the 1,706

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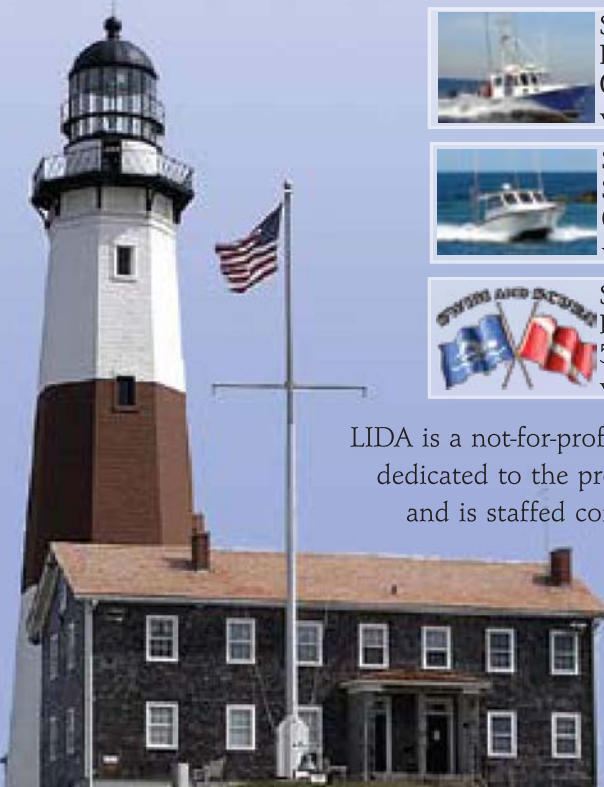


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LIDA is a not-for-profit regional organization dedicated to the promotion of local diving and is staffed completely by volunteers.



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▲ The SS Andrea Doria was justifiably considered to be the most beautiful ship of the postwar era. Photo from the Eric Sauder Collection

▲ Great diving along the old Ponquogue Bridge. Photo courtesy of: Long Island Divers Association.

passengers, 46 perished, mostly in the initial collision. Sport diving was in its infancy then and the pioneers of diving honed their skills on the wreck, and later generations recovered exquisite china, silverware and even artworks from a luxury liner that was an art gallery afloat. Those days are mostly gone however, since the wreck has largely collapsed to the 240-foot ocean floor. The depth, cold temperature and stiff currents make this a technical dive requiring special gas mixes and long decompression hangs to dive it safely.

The *Lizzie D*, eight miles southeast of the Atlantic Beach Inlet was hauling a prohibition era cargo of booze when it sank

on Oct. 19, 1922. It sits upright and intact at 80 feet and although she mysteriously burned before she sank, divers still occasionally find full bottles of whiskey. It is a favorite dive site for beginner and intermediate divers as it is extremely easy to navigate around.

Beach diving is a regular pursuit for many local divers. Most popular beach dive sites have easy walk-in access and can be enjoyed by divers of all skill levels. Long Island was created by receding glaciers, so the large boulders that they transported to the region during the last ice age dot the bottom, providing refuge for lobsters and a diverse array of marine life.

The **Ponquogue Bridge**, located in Hampton Bays, is one of Long Island's best, and most accessible beach dives with very good visibility and beautiful marine life. It is especially favored by members of the Long Island Divers Association because LIDA was instrumental in its development and preservation as a dive site. The old draw bridge was being replaced a new elevated bridge and the association urged local authorities to retain the old bridge because divers had been diving it for years. They went one further and put in a marine park with vehicle parking. Strong tidal currents rake through the area, but as peak high tide crests divers can explore the site for up to an hour and a half if they work the current right. The visibility can be exceptional and the site is home to both local and migratory tropical marine life, making the site popular with underwater photographers.

Clarks Beach, popularly known as Secret Beach, has long been a favorite local training site, and many students return long after earning their certifications. Flounder rest on its sandy bottom at 15 to 25 feet. A scattering of rocks provide homes for all types of marine life seeking shelter from the mild current. Once slated for development, the property, on Long Island Sound and currently owned by the Town of Greenport, is to be transferred to the County of Suffolk and maintained as parkland. LIDA will be working to assure future access for divers for generations to come.

Beach 8th Street is a site that's popular among Long Island and New York City divers alike, since it's located at Far Rockaway,

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▲ Capt. John Gorman and Pat Rooney showing off their loot aboard the Lockness. Photo courtesy of: Long Island Divers Association.

▲ View of the old Ponquogue Bridge. Photo courtesy of: Long Island Divers Association.

Queens, N.Y. Divers can hit the water throughout the year and many instructors use the site for training. Visibility frequently exceeds 30 feet. This is another great Long Island dive site that sees tropical marine life arrive towards the end of the summer.

Tangs, damsels, grouper and seahorses are frequently observed and photographed here. It's a great site to remind divers of the dense marine life in waters in the shadow of one of the largest metropolitan areas in the world.

Water temperatures range from the low 70s F in the summer to 30s F during winter. There is a whole world of life to see at this site where divers will enjoy sand flats, mussel beds, and a rocky reef full of life. ■

Bill Pfeiffer has been diving since the 1970's and is an independent NAUI instructor. He prefers to dive year-round off Long Island than to travel to tropical resorts. He is the president of Long Island Divers Association. Contact Bill at bill@island-diving.us.




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SEASON PASSES

Georgian Bay A Wreck Diving Paradise



▲ Sunset over where the Alice G lies. Photo by Warren Lo



▲ Divers gearing up at the Tobermory Lighthouse. Photo by Warren Lo

By Alec Pierce

The *Arabian* was sailing from Midland, Ontario, through Georgian Bay on a run to Chicago with a hold full load of corn. At 10 years, it was getting to be pretty old for a wooden vessel. When a storm reared up, the *Arabian* began taking on water and the corn wasn't helping. The water caused the corn to swell against the hull planking allowing even more water in until the ship sank just northeast of Echo Island. All hands survived.

Today, the *Arabian* is upright and so intact that divers often joke about refloating the vessel and sailing her away. The ship is a

godsend for divers because it didn't actually wreck; it just sank straight to the bottom where it sits upright, chains, the rigging and all the anchors are there. Waiting, or so it may seem, for a new crew.

The *Arabian* is just one example of the shipwrecks one will discover in the bay. Sitting snugly between Lake Huron and Ontario Canada, **Georgian Bay** is a wreck diver's dream. Unlike their saltwater cousins, the wrecks of Georgian Bay are preserved in cold freshwater, making this an exciting place to explore the past through this ships in this graveyard.

Georgian Bay is a large bay and lies east of the Bruce Peninsula and north of Manitoulin Island. Georgian Bay is not really a bay but is in fact more of a lake. It is so big that you could drop the state of Massachusetts in the middle of the bay with room to spare. Despite its monstrous size the opening to Lake Huron is small enough that geographers decided that it was a bay and not a lake. The main channel between Bruce Peninsula and Manitoulin Island was once heavily traveled by steamships as a major Algonquian-Huron trade route.

Heavy maritime traffic has made the bay one of the top freshwater wreck diving sites in North America. Among the millions of divers have visited over the years are John Stolen and

Jacques Cousteau. Crystal clear water and the incredibly intact wrecks draw quite a crowd during summers. Accessible, located an hour and a half from Toronto and just a short six-hour drive from New York, Georgian Bay is a big draw for the divers throughout the region who seek affordable trips.

A rock bottom helps to keep water clear water compared with the usual silt bottoms of freshwater lakes, a feature underwater photographers appreciate. Water temperature adds to the bay's popularity, since it warms to 70F in the summer. But the draws are the hundreds of known wrecks and the chance of rediscovering lost ones.

About 100 wrecks are within a 10-minute boat ride from Tobermory. Off Midland there are 30 more wrecks. On the east coast, in Parry Sound there are 30 to 40 more diveable shipwrecks. Unlike wrecks in corrosive saltwater, shipwrecks are well preserved. For example, there is a pirate ship built in the early 1800's that sailed the ocean, the Great Lakes and then sank in Georgian Bay. It sits upright on the bottom with the masts and anchors all still in place as though a fresh crew could take aboard and float her away.

Those who enjoy shore diving can visit wrecks too. In **Little Tub Harbor** there are some tug wrecks at only 40 feet. The town even built a deck leading down to the water

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▲ Tobermory Harbour. Photo by Warren Lo.

▲ Jason Houle amongst the Scoville. Photo by: Warren Lo.

just for divers to visit the tugs. Needless to say divers are definitely welcome.

There are reasons why so many ships sank within this large bay. This is sub-arctic region with a geology of rocky shoals. **Submarine Rock**, for example, sometimes is entirely submerged and has claimed four or five ships alone. Rough terrain, poor navigational aids and weather coupled with the volume of ships made for many a shipwreck in this bay.

Georgian Bay is comprised of four general areas: Tobermory at the tip of Bruce Peninsula, the southeastern area near the cities of Penetanguishene and Midland, Parry Sound in the northeast, and Manitoulin Island in northwest.

Tobermory at the edge of the main channel is famous for shipwrecks. The *Sweepstakes* is one of the more popular sites. The schooner sunk in relatively shallow water as the captain

tried to beach the sinking ship but didn't quite make it. The entire hull is almost completely intact. On low water days you can stand on the hull and your head will be above water. The 218-foot ship rests on a bottom at 8 to 20 feet about 150 feet from the head of Big Tub.

About 100 feet to the starboard of the *Sweepstakes* is the *City of Grand Rapids*. The steel-clad wooden hull ship caught fire at the Big Tub Harbor docks. Very little remains of

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▲ The sunken stern of the Niagara II. Photo by Warren Lo.

▲ The shadowy bow of the Niagara II. Photo by Warren Lo.

▲ Diver Jason Houle inside the Niagara II. Photo by Warren Lo.

the ship at 15 to 20 feet, but there is a lot of equipment to be seen including a very large boiler. Also popular are the three tug boats, the *Robert K*, the *John and Alex* and the *Alice G*. The wooden tugs had steam engines. Each is about 80 feet long and all three are clustered in Little Tub Harbor with the *Robert K* being the most intact.

Southeastern Georgian Bay is an hour and half from Toronto, so it is a popular day trip with a number of dive charters ready to take divers to sites. The *Mapledawn* steamship on the northwest side of Christian Island was a steel freighter loaded with barley when she sank 30 feet to the rocky bottom below an old lighthouse. Nearby is

the *Marquette*, a sailing vessel now resting at 29 feet just off the northeast corner of Hope Island, which led to locals to dub it the Hope Island wreck. It sank in 1867. The *Michigan*, also off Hope Island, sank in 1890 in a mere 15 feet of water. Giant gears and metal framework are quite the sight on this wreck.

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Parry Sound is a wooded area that is not settled, so a boat is needed to gain access to its wrecks. One of the most popular is the **Blackmore Island wreck**, an 85-foot vessel of unknown origin. It lies between Blackmore and Bayview islands at a depth of 10 to 20 feet. Another wreck, the **Midland**, was a 56-ton wooden tug. There is a very large engine and much of the engine room gear is strewn on the clay bottom at 50 feet. The **Seattle** is a wooden steamer that fell victim to engine failure in heavy seas on the sound and sank just off Green Island. The broiler and other wreckage at 25 feet can be seen from the surface.

The Manitoulin Island area is rocky and colder than most of the bay. Manitoulin Island is an extension of a chain of islands leading to the Mackinac, Mich., area. This is a very uninhabited area so divers have no choice but to charter a boat to visit the area. The charters leave from Tobermory so the ride crosses the bay to get to the sites. Some folks camp on Fitzwilliam Island. It is not a state park so there are no facilities or people for that matter. The wrecks are rarely visited. Favorite dives are on **Northern Belle**, the **James Reid** and the **City of Cleveland**. The **Belle** is a wooden steamer that sank at just 10 feet of water off the Byng Inlet in 1875 after it caught fire. The

iron-hulled tug boat **Reid** sits upright at 70 feet in Byng Inlet. In her time the **Reid** was a powerful tug and there is a lot of gear and ship to explore.

The **Cleveland** is Manitoulin's must-dive site. This twin-deck four-mast wooden steamer lies north of Perseverance Island. It ran aground during a snow storm in 1901 and remains as one of the most impressive shallow-water dives to be seen. Its wreckage at 10 to 30 feet includes a massive broiler, the rudder and a huge propeller.

The Georgian Bay area is a treasure trove of shipwrecks for the adventurous soul. This is one place you can't visit just once. ■

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ANNUAL UNDERWATER TREASURE HUNT

Join Scuba North Inc. for the Annual Underwater Treasure Hunt in Traverse City, Mich.. The event will take place at Grand Traverse West bay on June 28th from 12-5 p.m.. Proceeds from the Treasure Hunt will go to the new Grand Traverse Bay YMCA and the Grand Traverse Bay Underwater Preserve. To pre-register visit Scuba North for the lower entrance fee of \$20. Don't forget your certification card for registration! For information call 231-947-2520 or email to dive@scubanorth.com.



HUNT TREASURE AT BONNE TERRE MINE

Scuba Board will host a Treasure Hunt on June 6-7t at Bonne Terre Mine, Bonne Terre, Mo. The treasure hunt will include up to 320 divers (160 divers each day) over the weekend. Divers will complete two dives and search for different color poker chips. At the end of each day, divers will be treated to a barbecue. Divers will use the chips to bid on the products and services offered at the event. Bonne Terre Mine is one of National Geographic's Top-10 Adventures. For info, visit scubaboard.com.



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NAVIGATE PORTAGE QUARRY

A new underwater navigation project was announced by Portage, Ohio, Quarry owner Jeff Rice at the Third Annual Legends Festival, touted as the first of its kind. The course is the project by the Great Lakes Wrecking Crew Dive Club of Milan, Mich. The project highlights various submerged locations with headings and distances. Test out your navigational skills through the use of the map. Arrive through your GPS, then navigate underwater with the use of a compass and count your kicks. More information will be posted on this new project at the quarry. For info visit www.portagequarry.com/



DUI DEMO AND DOG DAYS

Harold and Eileen with Scuba Emporium are sponsoring a fun weekend getaway on June 6-7. Diving Unlimited International will conduct a demo and you will get the chance to try out DUI drysuits. Get certified as a drysuit diver or complete your advanced open water class in a drysuit. Scuba Emporium reserved a block of rooms for the weekend so call or email today to reserve yours. For info contact www.scubaemporium.com.



HAIGH QUARRY FLEA MARKET

Haigh Quarry will be sponsoring a dive equipment flea market on June 28th at Haigh Quarry. There will be a lot of great deals to be had. For more info visit www.haighquarry.com



TIME TO REMEMBER JIM

Haigh Quarry will be hosting their annual Jim Haigh Memorial Dive/Diver Appreciation Day on Sunday the June 26. There will be a raffle, a live band and a barbecue. Scuba Radio will broadcast from the event. Come celebrate Jim's life. For more info visit www.haighquarry.com

DAN ANNOUNCES NEW VICE PRESIDENT OF MEDICAL SERVICES

Anyone who has called the DAN@ 24-hour Diving Emergency Hotline or used the non-emergency Medical Information Line knows the outstanding caliber of those who comprise DAN's medical department. That



legacy now continues with the addition of Dr. Nicholas Bird, DAN's incoming vice president of medical services. Dr. Bird joins the DAN staff in June. He comes to DAN from the Dixie

Regional Medical Center in St. George, Utah, where he currently serves as the medical director of hyperbaric medicine. His acceptance of his new position at DAN follows an intensive and exhaustive months-long search by the organization to find the right candidate for the job.

INTERNATIONAL LEGENDS OF DIVING KICKS OFF



Bob Meistrell will be featured at the 4th annual International Legends of Diving event at Portage Quarry, near Bowling Green, Ohio on Aug. 7-9.

Meistrell holds an instructor No. 1 card. Along with his twin brother Bill he founded Body Glove to market wetsuits to divers in 1953.



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SPOTLIGHT ON HAIGH QUARRY

There is a lot happening over the next few months at Haigh Quarry. From a divers flea market to honoring the memory of a Haigh Quarry legend, this is the place to visit this summer for fun.

The 12-acre quarry is 60 miles south of Chicago and has been drawing divers to Kankakee, Ill., for years. Its seven training platforms at 25 feet and a deep platform at 80 feet make it popular with instructors.

Experienced divers can view many sunken attractions amid healthy populations of bass, crappie, bluegill, perch, northern pike, catfish and paddlefish. Visibility is best in spring and late fall, when it stretches to 35 feet. Surface water temperatures range from low-80s F in the summer to mid-30s F in the winter.

FLEA MARKET

Haigh Quarry has special events throughout the summer, including a dive equipment flea market on June 28 where you can shop for great deals during your surface intervals between dives.

REBREATHER TRY AND DIVE

On June 13-14, divers can experience the

underwater world silent and bubble free by using rebreathers with instructors from Scuba Emporium, Orland Park, Ill., Richie Kohler and Tamara Thomsen. Divers must be nitrox certified in order to try Kiss, Evolution or Inspiration closed-circuit rebreathers.

AQUA LUNG DEMO DAY

Aqua Lung Product Demonstration Day is scheduled for Saturday, June 27 at 9 a.m. at Haigh Quarry. Divers will get the opportunity to dive, try out Slingshot Fins, Suunto Dive Computers, Aqua Lung and Apeks regulators. There will also be hot dogs, chips and soda provided for lunch.

TIME TO REMEMBER JIM

On Sunday July 26, Haigh Quarry will host its annual Jim Haigh Memorial Dive / Diver Appreciation Day, which honors original owner Jim Haigh with a Barbecue and entertainment. There will be a raffle and a live band. Scuba Radio will broadcast from the event.

An added attraction is the new Artifact Park. The mock up of a Mediterranean shipwreck has amphorae, ballast stones and coins of ancient times. It is an experience

every diver should have. For information on these events and upcoming activities visit www.haighquarry.com. ■

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INTERNATIONAL LEGENDS HONORED FOR TRAIL BLAZING LIVES



▲ This years International Legends of Diving. Photo by: Christopher Guglielmo

▲ Scuba 2000 Owner Alec Peirce shows the Bahamas who's in charge. Photo by: Christopher Guglielmo

By Jamie Farris
Writer, Dive News Network

They are the trail blazers of the world's waterways who explored new frontiers to make the way for generations of scuba divers to come. They are the International Legends of Diving and in April of this year they were honored for the work they have done and the things that they have accomplished.

Jeff Rice brought the event he has conducted annually at his Portage Quarry, near Bowling Green, Ohio to the Grand Bahamas Island's International Underwater Explorers Society. At the UNEXSO facility in April the legends were the focus of a three-day celebration of their lives and scuba diving contributions. Those honored were Dr. John Clement, Ollie Ferguson, Dave Woodward, Ben Rose, Dr. Jose Jones, Nick Icorn, Neal Watson, Dottie Frazier, Alec Peirce, John Englander, Karen Rolle accepting for her husband Nick Rolle, and Robert Croft.

The event brought worldwide attention to the diving heroes who have dedicated their lives to scuba diving. Some of the divers are local legends as well most notably Ben Rose, who discovered Ben's Cavern located in the Lucayan National Park; John Englander, who is the former owner of UNEXSO and Dr. John Clement, who was in charge of the hyperbaric chamber and one of the original founders of UNEXSO.

Rice was beside himself with awe during the weekend. "It all meant a lot to me," he said. "Putting this thing together has to be one of the hardest things I have ever done, making sure that everyone got here and that the dives went well, but in the end it was all very worth it."

Rice added that the event also had an element of educating local students. Each day Rice and two of the legends visited local high school to tell students about the history of the sport and current standards in

the industry. Rice said that one of the most thrilling moments of the event happened at one of the schools.

"Bob Croft was a free-diving record holder in 1968," Rice said. "During one of the class room visits we met a teen named Brian. We had heard that Brian had been free diving on a local wreck to about 90 feet. This kid was practicing on this 90-foot dive and he was only 14 years old. So Bob goes over and sits down with the boy explaining how free diving works, how not to get hurt and to have better dives. It was an amazing thing to watch, here was this guy, a legend in our industry and he is sort of passing the torch to this new young diver. It was just an incredible experience to be there while it was taking place. Bob said that the most fun he had been working with the kids."

Peirce said he was excited to be included in the company of the other legends. "We had a great time. You know how it is when a bunch

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▲ Dr. Jose Jones, an author, mentor, and even a sixth degree black belt in Tae Kwon Do takes the time for a beautiful Bahamas Dive. Photo by: Christopher Guglielmo



▲ Dottie Frasier, the first female Scuba instructor in the United States. Photo by: Christopher Guglielmo

of old guys get together, there are stories and such. It was great to see old friends and to be able to spend time doing what we all love. I've schooled a lot of divers in my time. It has been estimated that I have taught about 6,500 divers and today I see a lot of those divers going on to do other things. I have taught divers who are now working for NASA and diving in South Africa doing work on the coast there. These young folks have taken what I taught them and gone on to make a difference. You can't wish for more than that. It is the responsibility of the older legends to pass on what we know."

The event hosted the divers in three stages, first they were invited to a reunion of all the past UNEXSO employees, being treated to dinner and an evening of visiting. Next they took part in dives each day. "These guys did it all," Rice said. "They did the reef dives, the shark dives all of it. We even

were honored with watching Ben Rose feed the sharks for the first time since 1996. Ben is well known for his ability to calm the sharks down into an almost trance like state. It was amazing to watch." Finally on the last night the legends were given special awards designed by local artist Sydney Pratt. The award was a blown glass scuba diver designed especially for the event.

Jones summed a lot of what the other divers felt at the end of the event. "When

I was growing up my legends, the people I idolized were these guys. I am standing next to many of the men and women who inspired me. I never thought that I would see all of my idols in the sport of diving in one place let alone be counted among them." ■

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IF YOU BUILD IT – THEY WILL COME



By Rick Stratton
 Publisher, Dive News Network

Jim Hoser of Schwenksville, Pa., is a man fully committed to a mission. He wants to help others less fortunate than himself, disabled people in wheelchairs, learn to scuba dive. This mission is not so much about scuba diving as it is about returning independence and confidence to this group as they regain their lost mobility in water.

Hoser, a scuba instructor since 1981, is no stranger to the disabled world. Once a paraplegic himself he understands how it feels. Hoser was injured in an accident in 1982 that left him without the use of his legs for seven years. An active person, Hoser was devastated by the loss of his mobility and freedom and spiraled into a deep depression. “The doctors said that I would never walk again. I tried not to believe them, doing everything I could to stay positive, but eventually I came to accept it,” said Hoser.

Fortunately for Hoser, he had another

tragic accident and fell out of his wheelchair down a flight of stairs causing an incredible miracle; he regained some feeling in his legs. Eventually, he learned to walk again and since then has been on a personal quest to help others facing similar circumstances and depression. According to Hoser, it is incredible how much scuba diving can offer those suffering from paralysis and disabilities.

There are no words to describe the experience of being disabled – living in a world of limits, offering no place to be except a bed or a wheelchair. They often suffer from deep depression wondering what purpose there might be in living. Once they get into the water they feel so much different when they learn to dive. “Water is the great equalizer,” Hoser said. “Water makes them buoyant and weightless. It is hard to comprehend how returning freedom of mobility restores their souls. I know from personal experience as well as through seeing many of my disabled students, how lives can be changed allowing the disabled to feel like life is worth living again.”

Now Hoser is taking on an even bigger challenge. He is building the largest indoor scuba diving “grotto” in the world. The world’s first wheelchair-bound indoor certification facility, the future facility will be open 24/7 for disabled people to learn to dive and rediscover the freedom of mobility. The facility will include two pools, including a 195,000 gallon 40-foot deep “grotto” that will be used for certification dives. Located on Hosers’ Pennsylvania property, the facility has faced difficult challenges from day one. “Everyone was very skeptical of my plans. No one had built anything on this scale before and we

didn’t even know it was possible,” he said.

After two years of legal wrangling and finally free of limiting opposition, Hoser is working with a contractor. They have had to drill holes in solid rock every 18 inches, down 45 feet. Once outlined by the holes volunteers dug for an incredible for 4 ½ months by hand through solid rock from 6 a.m.-11 p.m., seven days per week, to empty the hole. Hoser worked with McGlaughlin Spray Foam International to insulate the hole and then put in 65 tons of rebar and 296 cubic feet of gunite to cement the top structure in place. To understand the magnitude of his passion you can view some of the construction at Hilltop-Diving.com.

Today the structure is in place and volunteers are still working to complete the site. Built so far with Hoser’s own money the project needs many dollars and hundreds of hours to complete. Once complete, the Grotto will be the only one of its kind in the world. Constructed by one man’s vision, like a field of dreams, Hoser has been consumed by a driving passion to provide for his fellow humanity that which he himself lacked and now has regained a purpose and confidence in life. By giving mobility, through scuba diving and enduring limiting physical challenges, Hoser knows that he is making a difference in these people’s lives. Now he is hoping to meet some handicapped people who want to learn to dive as well as others who believe in his dream. To learn how you can help, visit www.Hilltop-Diving.com or call (610) 287-7270. ■

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Hilltop Diving put its concern for today’s youth into action and provided the graduates of Perkiomen Valley High School a place for kids to go after their prom that is not only drug free but loads of fun. With an Atlantis backdrop courtesy of the Philadelphia Flower Show, the 2009 graduates were able to dive into some real fun. Jim Hoser of Hilltop Diving, Schwenksville, Pa., donated the use of scuba equipment and instructors for the night so that over 126 kids could get into the pool and party like the fish from 11 p.m. to 5 a.m. “They all had a blast,” Hoser says. “Eighteen instructors and 30 divers stayed on and worked with the kids showing them how to dive. It was a lot of fun.” Hoser came in with his guys and helped the school station PVTV shoot an underwater commercial that would air to the students at school. School officials said that more than 400 kids enjoyed the post-prom party and Hilltop Diving has been asked to become a part of the schools physical education program teaching the kids about scuba diving. Way to get involved Hilltop Diving. For more info visit www.Hilltop-Diving.com

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DISCOVERING THE PHILIPPINES



▲ Tarsier monkey peers playfully from its perch. Photo by Denise Mattia.



▲ Jeepney provides a rustic ride over rough roads. Photo by Denise Mattia

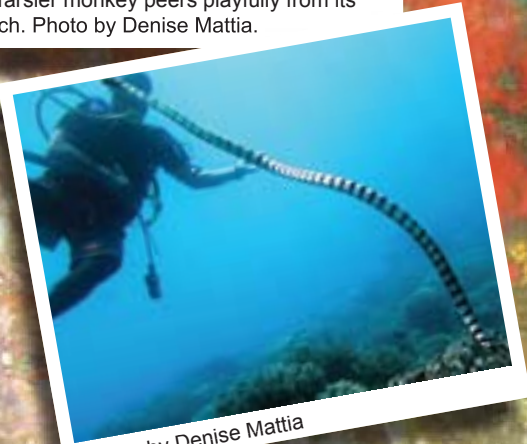


Photo by Denise Mattia



▲ Sun sets in paradise. Photo by Denise Mattia

Story and photos by Denise Mattia

My expectations were great when I embarked on a 10-day trip to the Philippines, with plans to dive everything from World War II shipwrecks to lush coral reefs off islands that comprise the Philippines archipelago. I chose three of 7,107 islands, some barely break the surface of the water, that divide the South China Sea and the Sulu Sea from the Pacific Ocean.

Two days of travel later I was at the city of Tagbilaran in Bohol. Along with eight other divers, I boarded a van bound for the Bohol Beach Club, a half-hour away on Panglao Island. Situated among manicured grounds, a few yards from the beach, the accommodations here focus on divers' needs.

Any qualms about going such a distance disappeared the following morning, when I sank into the waters off Panglao Island.

The reef slopes gradually before dropping off, where it's thick with giant gorgonian fans – some as tall as a diver. It was calm with no current and visibility of about 80 feet. Our guides, Ramon and Jiego, found more nudibranchs than I'd ever seen before in crevasses and human-sized fans. Some were black with a mere hint of color, while others were neon blue, orange or red. I almost mistook the *Notodoris minor* for a bright yellow sponge. In the shallows, giant sepia, yellow and white anemones carpet the floor while clown sweetlips dart in and out of the anemone's tentacles. Black-tail barracuda cruise this area, and hawksbill turtles stop to feed on the substrata.

I would have missed a tiny yellow frogfish on our second dive at Recos' Wall had Ramon not pointed it out. On the other hand, it was hard to miss a massive school of jacks and a

bait ball of silversides. Most dives are from outrigger boats called *bancas*, which have been fitted comfortably to accommodate divers. The Bohol Beach Club staff ran the operation expertly. They loaded, changed tanks and offloaded gear faster and more efficiently than any of us.

We were on the move again the next day to visit the Tarsier monkeys, the smallest in the world, and the Chocolate Hills in Tagbilaran, where we took the Ocean Jet ferry to Dumaguete, on the east coast of Negros Island. The luxurious Bahura Dive Resort boasts a protected sanctuary house reef. Dive trips reach the renowned Apo Island in just 25 minutes by *banca* from their shores. Local officials have implemented strict marine sanctuary rules, and the results are visible.

Because of unfavorable sea conditions, Apo Island can be difficult to impossible to



▲ Sweetlips darts amid orange anemone. Photo by Denise Mattia

▲ Deep-water gorgonian dwarfs dive guide. Photo by Denise Mattia

reach between June and November. During the rest of the year, guides aren't sure about currents until they reach the island. We were fortunate. Finning slightly, moorish idols and butterflyfish created wild patterns against the reef when we skimmed down the gradual slope. I found several nudibranchs and a minute seahorse in one spot and, in an

overhang a ghost pipefish. Barrel sponges and black coral fronds, gargantuan and drab in comparison to the tiny, brightly colored nudibranchs, grow at bizarre angles on the shallow wall below. Turtles cruise this island, and we were told to be on the lookout for Napoleon wrasses and blacktip and whitetip sharks. On our way up from the second dive,

a sea snake accompanied us to the surface. By multi-level diving, I was able to extend my dives to 58 minutes each, with maximum depths of 113 and 66 feet respectively, eking out very minute of this stunning display of reef fish among hard and soft corals.

It was checkout time again, and a flight back to Manila, a connecting flight to Coron,

dive PHILIPPINES

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Palawan, a ride in a “jeepney” (open air transports, originally fashioned out of reclaimed U.S. Army vehicles) over dirt roads and a boat ride to our final destination, Club Paradise. Endemic vegetation, coconut palms and stunning white sand create a lushness that’s intensified by the tropical sun. The island is a protected nesting ground for turtles. The impossibly clear water below becomes a feeding ground for them and dugongs, sea cows similar to manatees, plus a myriad species of fish – blennies, eels, groupers, trigger-, file, butterfly-, soldier-, squirrel-, frog- devilfish and giant clams to name a few. Best yet, Coron Bay has become the wreck-diving capital of the Philippines.

In September 1944, Admiral “Bull” Halsey sent out reconnaissance planes to map out a route to the northwest. When pilots discovered a Japanese fleet at Coron Bay, attacks were ordered and many of the ships were sunk. Nine have been discovered, however, the U.S. Navy’s records indicate several more were destroyed and await discovery.

We dived the *Kyokuzan Maru*, dubbed the Dimalanta wreck, at the northeast end of Busuanga. The 450-foot Japanese cargo ship – possibly an army auxiliary supply ship – sunk on Sept. 24, 1944. Her mast starts at about 40 feet, and the wheelhouse is at 70 feet. Her deck level is at 90 feet and her hull sinks into

the sand at 140. We’re told it takes five dives to see the entire wreck.

Nose-diving down, I was disappointed that the visibility was so poor. Apparently, during the cooler climes of the rainy season, visibility improves, whereas, the hot, sunny, dry season creates a plankton bloom, which reduces the visibility to a few feet. Still, at 90 feet I was happy swimming across great slabs of metal coated thick with coral and sponges. There were fish around – when I could see them. I dipped down into one of the holds and could just make out a vehicle. Had I not been told a car and truck are within I’d have never been able to identify what I saw. I swam in and around the wheelhouse, looking through portholes, losing and then finding my dive buddy again. Whether underwater or topside, I’ll always be fascinated by manmade structures, no matter what their form.

Rolf Winkelhausen, PADI master scuba diver trainer, and Dirk Fahrenbach, PADI master instructor, schedule trips on their liveaboard boat to visit other wrecks. Among them are the Black Island wreck, a coastal vessel about 120 feet long, which ran aground on the reef and sank, and the *Olympia Maru*, a 450-foot Japanese freighter, which lies on its starboard side. On her heavily encrusted port side you’ll see corals and colorful sponges, an ideal hiding and feeding grounds for a teeming variety of fish and invertebrate life. It’s eerie to swim among these and other supply ships and freighters, the *Kogyo Maru*, *Irako Mamy Maru* and the *Tangat*. The wrecks have become artificial reefs, decorated with great varieties of life.

Philippine scientists say the land area is slowly shrinking as the sea level rises by 1.8 millimeters per year. This would put most of the country underwater in less than 150 years. As we have seen already in the U.S., global warming affects everyone. Hopefully, through a universal effort we’ll be able to curb its effects. For now, we’re able to enjoy fantastic reef life underwater and the absence of signal lights or honking horns topside. And there’s no light pollution at night, as well. I looked up and saw the Southern Cross shining bright. ■

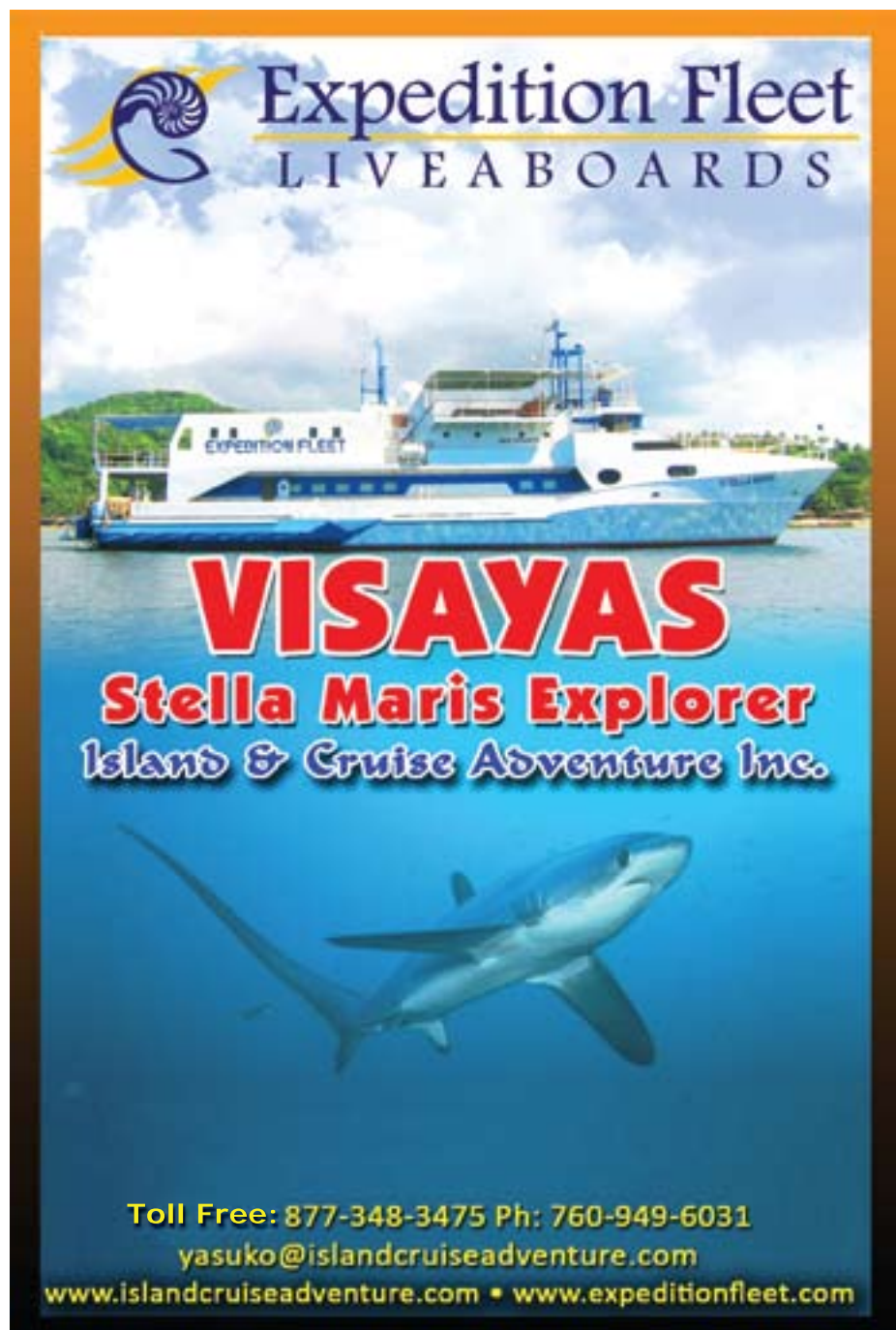
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Denise Mattia is a New York City-based freelance travel writer and underwater photographer. Contact her at SCUBAMATTI@att.net.

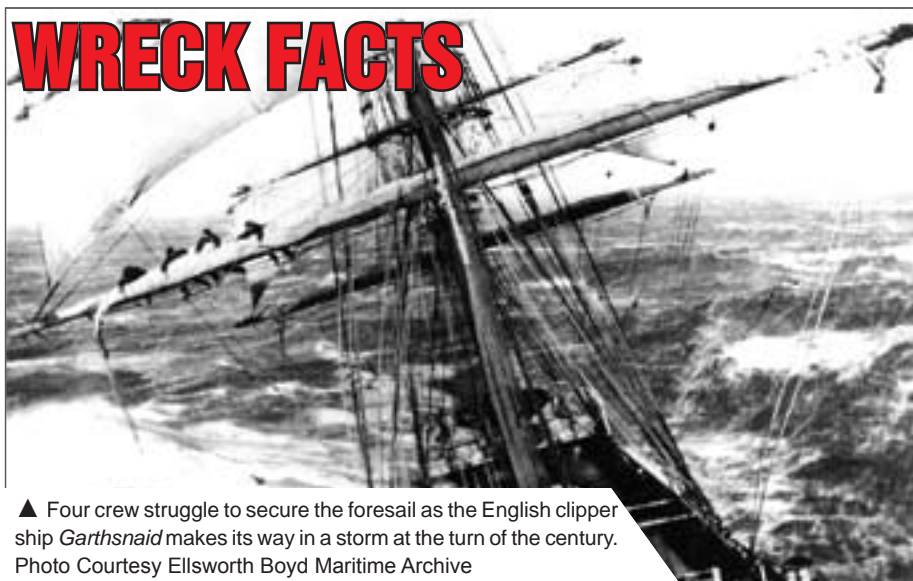


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WRECK FACTS



▲ Four crew struggle to secure the foresail as the English clipper ship *Garthsnaid* makes its way in a storm at the turn of the century. Photo Courtesy Ellsworth Boyd Maritime Archive

By Ellsworth Boyd

George Renshall of New Haven, Conn., is researching square-rigged windjammers and asks about the *Garthsnaid*, a 20th century merchant ship.

Hailed as one of the finest in the fleet of sailing vessels at the turn of the century, the *Garthsnaid* was one of William Garthwaite's Marine Navigation Co. ships. The three-masted bark transported general cargo from the British Isles to Africa, South America and Australia. In 1923, after 31 years of service, the sleek windjammer was damaged and taken out of service in Melbourne, Australia. Reduced to a homely coal hulk, it was dismantled and stranded on Ninety Mile Beach, part of the Gippsland coast, Victoria, Australia. More details may be found in *The Era of Clipper Ships* by Donald Gunn Ross III.

Susan McLeod of Lancaster, Pa., wants to know if the two steam locomotives that were found in 80 feet of water off Long Branch, N.J., were part of the cargo from the shipwreck *Arundo*.

Most sources I've contacted say this is unlikely since the *Arundo*, sunk in 1942, lies a few miles away in 125 feet of water. The Long

Branch discoveries are small locomotives, resting on the bottom about 20 feet apart. Speculation is they may have been shipped from somewhere along our coast and toppled off a transportation ship that was caught in rough waters.

Tony Vaughn of Racine, Wis., asks if "some sort of treasure" was salvaged from the *Pewabic*, a passenger/cargo ship that went down in Lake Huron in 1865.

The "treasure" was a large supply of copper ingots and aggregate stored deep in the *Pewabic's* hold when it sank in Thunder Bay after being struck by the cargo vessel *Meteor*. Fifty of the 125 passengers and crew were rescued by the *Meteor*, which escaped with little damage, while the copper-laden ship went down seven miles off Alpena, Mich., in 180 feet of water. Many attempts were made to retrieve the copper – minted in the ore-rich Keweenaw Peninsula – including salvors who used dynamite and a diving bell to free the "treasure" from the hold of the 225-foot-long ship. Half of the cargo was salvaged during World War I by workers from the Mueller Brass Co. of Port Huron. In 1974, entrepreneur Gregory Bush recovered most of the remaining 200 tons of ingots

and aggregate, while battling Thunder Bay's waves and currents. The Great Lakes Maritime Heritage Center at Alpena features films and exhibits of some of the 200 shipwrecks of Thunder Bay.

Gerry McDonald of the Maryland Hydronauts, Baltimore, Md., would like to know more about the *New Jersey*, a wreck he explored in 60 feet of water eight miles from the western shore of the Chesapeake Bay.

This is the "Pitcher Wreck," known for its cargo of milk-glass molasses and hobnail syrup pitchers. This Old Bay Line steam packet freighter sank in 1870 when it caught fire near the main shipping lanes leading to and from the port of Baltimore. The 166-foot-long, wooden-propeller steamship was only eight years old. It was on its regular Baltimore-to-Norfolk run, loaded with 800 tons of freight and produce, when the fire accidentally started at midship and spread quickly below decks. The captain and crew launched the lifeboats and were rescued by watermen, who transferred them to the steamship *Pacific*, which happened to be in the vicinity. Author Don Shomette devotes an entire chapter to the *New Jersey* in his book, *Shipwrecks on the Chesapeake*, (Tidewater Publishers, Centerville, Md.) Both Shomette and McDonald caution divers about the poor visibility and thick blankets of silt surrounding the wreck.

Jim Armiger of Sykesville, Md., asks if there's a book that gives details of the demise of the *San Pedro* and *San Ignacio* of the New Spain Fleet that sank in 1733 off the Florida Keys.

There's an entire chapter about the fleet in *Treasures of the Spanish Main: Shipwrecked Galleons in the New World* by John C. Fine. The book also includes excellent photos of the ships and their treasures. For information on how to order the book contact the author at: johnfine2@juno.com. ■

Send your wreck questions to Ellsworth Boyd, *Wreck Facts*, 1120 Bernoudy Rd., White Hall, Md. 21161. Be sure to include a stamped, self-addressed envelope for a personal reply. You can also e-mail Ellsworth at ellsboyd@aol.com.

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GET IMMERSED IN STYLE



Diving Unlimited International's new ActionWear drysuit under garment may bring the fashion trend of wearing underwear as outerwear to diving. The two-piece outfit consists of a pants and a pullover top made from double layers of 300-weight stretch fleece. Under a drysuit, ActionWear can help a diver get immersed in comfort even in 45- to 60 F water, depending on personal tolerance to temperature, exposure time and activity level. The fleece is pill-resistant and lined with a plush velour for added comfort against the skin. A one-third-length zipper on the top stops just above a marsupial-style pocket that zips closed as well. A standup collar provides extra warmth for protection on breezy boat decks. Thumb loops on sleeves and stirrups on the pants keep the underwear in place while donning a drysuit. A drawstring cinches the pants at the waist. Smart white stitching and an embroidered DUI logo accent the black suit, which is shipped with a DiveWear bag for storage. Suits are available in six sizes ranging from XS to XX at shops that carry DUI gear. www.dui-online.com.

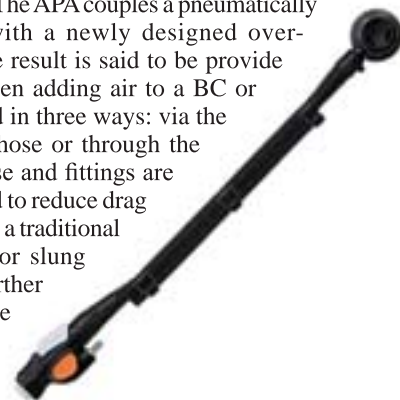
LIGHTEN UP YOUR TRAVELS

Travel divers aiming to keep dive bags light enough to avoid airline baggage overweight charges might want to consider TUSA's new RS-670 regulator system. The R-600 balanced-diaphragm first stage weighs less than 1.5 pounds and is quite compact, yet it has two high-pressure and four low-pressure ports easing hose placement for personal fit and comfort. It is available with either DIN or yoke tank fittings. The S-70 second stage is equipped with a flow adjustment to set the air supply volume to the needs of diving conditions. Multiple thread screws enable the regulator can fine tune the exhalation as well. The mouthpiece is designed to be stable and comfortable even with a light bite to reduce fatigue during long dives. A universal swivel hose connector eliminates hose tension for added comfort. A chrome ring provides stylish trim on the stainless steel face plate. The system is available through TUSA shops and is eligible for TUSA Care free parts for life program. www.tusa.com.



GIVE HOSE SOME THOUGHT

TUSA put some thought into redesigning the buoyancy compensator inflator / deflator hose to come up with its new Active Purge Assist system. The APA couples a pneumatically assisted purge function with a newly designed over-pressure exhaust valve. The result is said to provide more immediate results when adding air to a BC or venting it. A can be dumped in three ways: via the APA system, a tug on the hose or through the oral inflator fitting. The hose and fittings are hydro-dynamically designed to reduce drag in the water. It can be worn in a traditional over-the-shoulder manner or slung under the left shoulder to further streamline a diver in the water. The hose is designed to be low maintenance to reduce the chances of inflator malfunction. TUSA is offering the hose as an option on its BCs as well as individually to replace existing hoses on standard BCs. www.tusa.com.



GET FLEXIBLE AT WORK

Unlike many Pelican lights, the new 2365 is not designed to go diving. However, service technicians may find it to be a handy light at the workbench because its 15-inch flexible cable neck puts light where you need it, even in tight spaces in gear or crannies where tiny screws land after toppling off the bench. The light-emitting diode puts out 45 lumens for up to 15 hours on two AA batteries. The tough black anodized aluminum battery case is machined with a no-slip grip pattern. It also has a magnetic clip to snap the light into place on any steel surface to hold the beam exactly where it should be. Even with batteries, the light weighs only 9.3 ounces and can slip into the toolbox for repairing gear on the go. As with all Pelican products, the light comes with the company's lifetime guarantee: "You break it, we repair it ... forever." www.pelican.com.



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TRUE TEST FOR WRECK DIVERS



Jim and Pat Stayer's videos often are litmus tests for divers. Wreck divers will love them while reef lovers will wonder about wreck divers' sanity. "Sifting Sands of Time" from their Out of the Blue Productions provides just such a test. The 21-minute video tells the tales of four wrecks, the Alex Nimick, Myron, Miztec and Allegheny. All went down in shallow waters off Lake Superior's Whitefish Point early in the 20th century as they tried to reach the protection from raging storms offered by Whitefish Bay just beyond the point. As the video cruises the bottom, Jim Stayer describes the function of each pulley, engine part, brass ring and other items strewn on the bottom, often pausing to read names and specs off makers' plates and other identifying items. Wreck divers will hang on every word and marvel at the superb condition of these parts that are preserved in the lake's cold freshwater. Still there are parts to catch the ear of non-wreck divers in the narratives on the history of each vessel, and quirks about its crewmen, including one captain who had the misfortune to be at the wheel of three of the four wrecks. The video's title is drawn from two visits to the Nimick one year apart. During the interim, sands at the 24-foot-deep site shifted uncover even more bits of wreckage, including what might have been the failed part that led to its demise. Reef divers will roll their eyes. Wrecker divers will click to the screen featuring the Stayer's other videos so they can order compete sets. www.greatlakes.net/~divelog.

FICTION AUTHOR GETS SERIOUS



Paul J. Mila took more than notes as he crisscrossed the dive sites of the world to research his adventure novels on Terry Hunter, his globe-trotting protagonist. He took a lot of underwater photos as well. Now with "Basic Underwater Photography" he is branching from fiction into guidebooks with a text intended to help neophytes get the most from their new point-and-shoot digital cameras. All images were taken in the camera's "auto" setting, he notes, suggesting that budding photographers can master the additional control offered

with manual operation as they become more comfortable with their cameras and craft. The four chapters take the reader from preparing to dive with a camera, getting accessories such as good external strobes, basic techniques and post-dive procedures for maintaining the camera. The techniques chapter is less about photography than it is about positioning, buoyancy and breath control to help divers get close enough to shoot subjects without scaring them away. This book won't turn a newbie into the next David Doubilet overnight. The National Geographic photog spent decades underwater developing his craft. However its tips could help non-pros bring home shots that will wow members of their dive clubs and maybe even get into print. Unlike Mila's fiction, this book isn't in Barnes & Noble yet. Find it at www.milabooks.com.

IMAGE WILL LEAVE YOU 'SHAKY'

Books and videos are the mainstay of Book Log, but a picture recently became available that is worth so many thousands of words that it warrants a review. Artist Mick St. Clair created a painting of "Old Shaky", as Texas Tower No. 4 was dubbed by its crew, as it faced angry seas before succumbing to a nor'easter off the New Jersey Shore on Jan. 15, 1961. Remains of this Cold War era radar dome now are visited by adventurous wreck divers and memories of the 28 men who perished are still cherished by those who knew them. St. Clair's depiction captures the spirit of that night with frothy waves and rain driven by fierce winds. A taller wave in the distance suggests that the coup de grace is nearing as lights of the tower windows glimmer in the storm. This is a picture that will raise goose bumps on wreck divers and anyone who's ever been caught at sea during a raging gale. St. Clair has 200 16- by 20-inch prints on archival 20-by 24-inch 100 percent cotton paper. Each is numbered and signed by the artist. An Ultrachrome process accurately depicts the original and, with proper handling, will not fade for decades. For information, e-mail stclairart@yahoo.com.

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DIVE DIRECTORY

A listing of participating dive shops, charters, resorts, and independent instructors

NORTHEAST

NORTHEAST							
CONNECTICUT				Dive Adventures	Ballston Spa	(518) 879-8866	Store
Enfield Scuba & Watersports	Enfield	EnfieldScuba.com	Store	Jeanne II Diving Charters	Brooklyn	www.jeanne-ii.com	Charter
Divers Cove LLC	Essex	(860) 767-1960	Store	Kings County Divers Corp	Brooklyn	(718) 648-4232	Store
Scuba Made Easy	Pawcatuck	(860) 303-4612	Instructor	Garloo	Captree	(914) 589-1368	Charter
Brownstone Park	Portland	(866) 860-0208	Store	Captain Mike's Diving	City Island	718-885-1588	Charter
Scubashack	Rocky Hill	(860) 563-0119	Store	Thousand Island Dive	Clayton	(315) 686-5542	Charter
International Scuba Diving	Southington	(860) 621-8265	Store	National Aquatic Services	East Syracuse	(800) SEA-DIVE	Store
Capt. Saam's Scuba School	Stamford	www.Capt-Saam.com	Store/Charter	Lockness Dive Boat	Freeport	(516) 298-2633	Charter
New England Dive Center	Wallingford	(203) 284-1880	Store	Prime Scuba	Goshen	(888) 657-2822	Store
DELAWARE				Dive Master Services Inc.	Kingston	www.scubadms.com	Mobile Air Fills
Scuba World	Dover	(800) 861-3483	Store	Long Island Scuba	Lindenhurst	(631) 225-8450	Store
Water World Scuba School	Rehoboth Beach	(302)645-9490	Instructor	Middletown Scuba	Middletown	845-343-2858	Store
Salty Dog Dive Center	Wilmington	(302) 994-3483	Store	Scuba Science	Monticello	(845)791-5119	Store
MAINE				Leisure Pro Ltd.	New York	(212)645-1234	Store
Barclay's Skindivers Paradise	Auburn	(207) 784-7300	Store	Pan Aqua Diving Inc.	New York	(212) 736-3483	Store
Northeast Charter Boat Company	Eliot/Portsmouth	(603) 235-5526	Charter	A+ Pro Divers	Plattsburgh	(518) 561-7748	Store/Charter
MaineDiversScubaCenter.com	Portland	(207) 775-3467	Store/Charter	Swim and Scuba	Rockville Centre	(516) 872-4571	Store
Mainely Scuba	Wilton	(207) 645-9038	Store	QC Scuba	Wantagh	(516) 826-SCBA	Store
MARYLAND				NORTH CAROLINA			
Underwater Playground	Edgewood	(410) 679-6413	Store	Discovery Diving	Beaufort	(252) 728-2265	Store
MASSACHUSETTS				Outer Banks Dive Center	Nags Head	(252) 449-8349	Store
Diver Jim's / Belmont Scuba	Belmont	(617) 484-5246	Store	PENNSYLVANIA			
Burlington Scuba	Burlington	(781) 272-5164	Store	Underwater Excursions	Beaver	www.uxdivecenter.com	Store
Anchor Diving Services	Buzzards Bay	(508) 232-1121	Store	Lehigh Valley Dive	Bethlehem	(610) 746-4016	Store
Northeast Scuba	Chelmsford	(978) 256-2300	Store	www.LVDive.com next to Dutch Springs			
Moe's Divers Supply	Dartmouth	moesds.com	Store	Uncle Joe's Scuba	Coraopolis	(412) 262-2664	Store
Andy's Sport Shop	Fitchburg	(978) 343-6330	Store	Diver's World	Erie	www.scubaerie.com	Store
Down Under Diving Ventures	Gloucester	(978) 256-8762	Charter	Indian Valley Scuba	Harleysville	(215) 256-6000	Store
Easy Diver	Gloucester	(902) 345-2215	Charter	www.IndianValleyScuba.com			
Freedom Diving Corp.	Gloucester	(978) 283-2600	Store	Diver's Descent	Hershey	diversdescent.com	Store
Buzzards Bay Diving Ctr.	Onset	(508) 291-7282	Store	B & B Diving - 2 quarries	Hillsville	bbdiving.com	Store
Gauntlet Dive Charters	Salem	(617) 480-5261	Charter	Randy's Dive Shop	Irwin	(724) 863-0752	Store
Westfield Watersports	Southwick	(413) 569-1287	Store	Sunken Treasure Scuba Ctr.	Jersey Shore	www.divestsc.com	Store
At The Waters Edge	Westfield	(413) 532-5110	Store	Lancaster Scuba Center	Lancaster	(717) 397-2822	Store
Boston Harbor Diving Co.	Winthrop	(617) 846-5151	Charter	Divehards International	Pittsburgh	(412) 363-3483	Store
NEW HAMPSHIRE				ScubaVenture.net	Reading	(877) 685-0944	Store
Aquanuts Scuba Shop	Concord	(603) 228-9981	Store	Willow Springs Resort	Richland	(717) 866-5801	Facility/Shop
UW Sports of New Hampshire	Keene	(603) 357-4430	Store	F. F. Divers	Sellersville	(215) 453-8744	Store
Diver's Den Dive Shop Inc.	Manchester	(603) 627-2536	Store	A-1 Scuba Diving	Trevoise	A1ScubaGear.com	Store
Dive Winnepesaukee	Wolfeboro	(603) 569-8080	Store/Charter	RHODE ISLAND			
NEW JERSEY				Wholesale Diving Equipment	East Providence	(401) 434-5058	Distributor/Store
Venture III	Belmar	(732) 928-4519	Charter	Newport Diving Center	Newport	(401) 847-9293	Store
Gypsy Blood Dive	Brielle	(973) 949-4599	Charter	Scuba Made Easy	Newport	(401) 742-4898	Store
Sea Lion	Brielle	(937) 887-3337	Charter	Simply Scuba	Newport	(401) 787-1517	Instructor
Atlantic Divers	Egg HarborTwp	(609) 641-7722	Store	East Bay Dive Center	Warren	(401) 247-2420	Store
Hoboken Dive Center	Hoboken	hobokendive.com	Store	Giant Stride Dive Shop	Warwick	(401) 732-8808	Store
East Coast Diving Supply	Northfield	(609) 646-5090	Store	Avie's Ski/Sports	Westerly	(401) 596-0375	Store
Mar-Vel International	Pennsauken	(800) 325-5711	Store	www.scubamadeeasy.com		(401) 742-4898	Instructor
NEW YORK				VIRGINIA			
Finger Lake Scuba	Auburn	(800) 764-3483	Store	Splash Dive Center	Alexandria	(703) 823-7680	Store

Atlantis Divers	Atlantis	(804)320-7000	Store	Great Lakes Scuba	Traverse City	(231) 943-3483	Store
Adventure Scuba Company	Chantilly	(703) 263-0427	Store	Scuba North	Traverse City	ScubaNorth.com	Store
Central Virginia Dive Center	Chester	cvadive.com	Store	M & M Diving	Upper Michigan	(906) 863-7330	Store/Charter
Lynnhaven Dive Center	Virginia Beach	(757) 481-7949	Store	MINNESOTA			
VERMONT				Scuba Center	Minneapolis	(612) 925-4818	Store
WaterfrontDiving.com	Burlington	(802) 865-2771	Store	Smith Diving	Fridley	(763) 574-1280	Store
Victory Sports	Colchester	(802) 862-0963	Store	Scuba Center	Eagan	(651) 681-8434	Store
MIDWEST				MISSOURI			
ILLINOIS				West End Diving	Bridgeton	(314) 731-5003	Store
Below H2O	Aurora	(630) 820-2531	Store	Extreme Sports Scuba, Inc	Joplin	(888) 565-3483	Store
Windy City Diving	Chicago	(630) 209-2445	Charter	Ozark Dive Company	Popular Bluff	(573) 778-3483	Store
Sea Level Diving	Crystal Lake	(815) 479-0996	Store	Odyssey Scuba and Travel	Waynesville	(573) 774-DIVE	Store
Illinois Institute of Diving	Glen Ellyn	(630) 469-3483	Store	OHIO			
Berry Dive Center	Glenview	(847) 358-3848	Store	Portage Quarry	Bowling Green	portagequarry.com	Quarry
D. D. Dive Shop	Glenview	(847) 657-3483	Store	White Star Quarry	Gibsonburg	whitestarquarry.com	Quarry
Frogg Pond Dive Shop	Highland Park	(847) 432-5055	Store	Southern Ohio Dive Academy	Kettering	(937) 298-2999	Store
Haigh Quarry	Kankakee	HaighQuarry.com	Quarry	Discover Diving LLC	Newark	(740) 344-2803	Store
Chicagolandscuba.com	Lake Zurich	(847) 540-7211	Store	Sea Level Scuba	Northwood	(419) 691-2991	Store
Loves Park Scuba	Loves Park	(815) 633-6969	Store	WISCONSIN			
Sentry Pool & Scuba	Moline	(309) 797-9721	Store	Northland Equipment	Apostle Island	NorthlandEquipment.net	Store/Charter
Berry Aqua Paradise	Naperville	(603) 579-1150	Store	Wazee Sports Center	Black River Falls	(715) 284-5181	Store
Scuba Emporium	Orland Park	ScubaEmporium.com	Store	Aqua Center of Green Bay	Green Bay	(920) 468-8080	Store
Dive Right In Scuba	Plainfield	(815) 267-8400	Store	Adventure Charter Boats	Milwaukee	adventurecharterboats.com	Charter
Scuba Systems	Skokie	ScubaSystems.org	Store	Pirates Cove Diving	Milwaukee	(414) 482-1430	Store
Pearl Lake	South Beloit	(815) 389-1479	Lake	EASTERN CANADA			
Mermet Springs	Vienna	mermetsprings.com	Quarry	ONTARIO			
Underseas Scuba Center	Villa Park	(630) 833-8383	Store	Sea N' Sky Scuba	Brockville	613-275-2534	Store/Charter
INDIANA				Bottom Time Dive Charters	Brockville	BottomTimeCharters.com	Charter
N'Pursuit Adventure Charters, Inc.	Hobart	www.npursuitcharters.com	Store	Marlins Scuba	Burlington	www.marlinscuba.com	Instruction/Charter
Hart City Scuba	Elkhart	(574) 264-3528	Store	Wet Beaver Scuba	Cardinal	(613) 862-0907	Charter
MICHIGAN				Windmill Point Park Inc.	Fort Erie	www.windmillpointpark.com	Quarry
Thunder Bay Scuba	Alpena	(989) 356-6228	Store	Gore Bay Aqua Sports	Gore Bay	(516) 596-1239	Store
Up North Charters	Alpena	(989) 464-7241	Store	Colt Creek Diving	New Market	(905) 898-5338	Store
Divers Incorporated	Ann Arbor	www.diversinc.com	Store	Diver's Nook	Parry Sound	(705) 746-9757	Store/Charter
Sub Aquatic Sports	Battle Creek	(269) 968-8551	Store	AquaSub Scuba Diving Ctr.	Richmond Hill	AquaSubScuba.com	Store
www.wolfsdiving.com	Benton Harbor	(269) 926-1068	Store	Scuba 2000	Richmond Hill	(905) 771-1500	Store
Aquatic Adventures of MI	Brighton	(810) 225-9868	Store	Thousand Isl. Pleasure Diving	Rockport	(866) 659-2334	Charter
Bruno's Dive Shop	Clinton Twp	(586) 792-2040	Store	Dan's Dive Shop	St. Catharines	DansDiveShop.ca	Store/Charter
Rec & Tec Dive Charters	Clinton Twp	recteivedivecharters.com	Charter	Diver's Den	Tobermory	(519) 596-2363	Store
All Seasons Diving, Co	Dryden	AllSeasonsDiving.com	Charter	G & S Watersports	Tobermory	(519) 596-2200	Store
Anchor Bay Scuba	Fair Haven	(568) 725-1991	Store	Tobermory Aqua Sports	Tobermory	(519) 596-8474	Store
The Dive Shop	Flint	DiveShopMi.com	Store	Aquarius Scuba Diving Centre	Toronto	www.aquariusscuba.com	Store
Wet N Rugged Sports	Galesburg	(269) 381-2101	Store	NEWFOUNDLAND			
Great Lakes Dive Locker	Grand Rapids	(616) 531-9440	Store	Ocean Quest	Conception Bay S	(709) 834-7234	Charter
American Dive Zone	Kentwood	(616) 949-9577	Store/Charter	NEW BRUNSWICK			
ZZ Underwater World	Lansing	(517) 485-3894	Store	Enveco Diving	Bereford	(506) 542-1011	Store
Adventures in Diving Inc.	Novi	GoScuba.net	Store	Dive Shack	Saint John	(506) 634-8265	Store
Adventure Scuba & Snorkel Center	Novi	(248) 615-3483	Store	Confederation Divers	Shediac	Shediac-Divers.com	Store
Great Lakes Diver	Rogers City	(989) 734-7590	Charter	NOVA SCOTIA			
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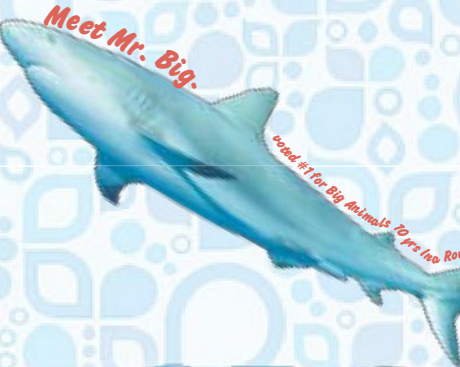
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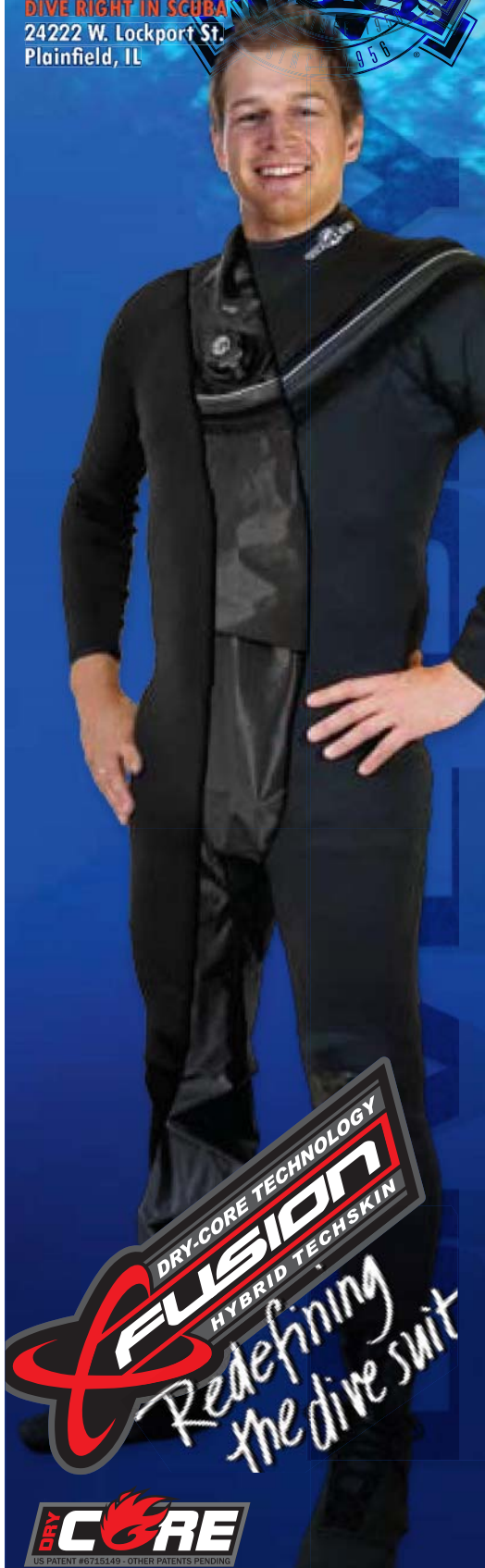
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