

Maritime Research Division

South Carolina Institute of Archaeology and Anthropology
University of South Carolina

Quarterly Reporter

“Helping to preserve and protect South Carolina’s maritime heritage through research, management, and public education and outreach.”

April 2014

Volume 5, Issue 1

Things You Need to Know:

- 2014 Quarter 1 Reports Due by April 10, 2014
- Wing Night April 30th
- Field Training Course June 28th & 29th

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UNIVERSITY OF
SOUTH CAROLINA
College of Arts and Sciences

MRD Relaunch

By Ashley Deming, MRD

The Sport Diver Archaeology Management Program was established in 1991 to focus on education and outreach programming targeted to the sport diving community and specifically to those divers with South Carolina hobby licenses. Since then, the program has grown in size and taken on more responsibilities that reach far beyond the sport diving community. With this in mind, the Maritime Research Division decided that we wanted to regroup and reunify to work more closely together to meet the needs of the division and the growing education and outreach programs.

Officially beginning June 1, 2014, the Sport Diver Archaeology Management Program will cease to exist as a “separate” entity from the rest of the division. None of the functions performed or personnel will change. We will continue to issue licenses from the Charleston office as well as continue to provide educational and volunteer opportunities. The only thing really changing is that the SDAMP acronym will no longer be used as the program is remerging with the Maritime Research

Division.

However, a few changes and/or improvements will come along with our relaunch of the division. Firstly, we will be relaunching our new MRD website to meet with current University of South Carolina formats as well as making information a bit more accessible and up to date for you. Secondly, our email address and Facebook information are changing by May 1st. Our new email address is mrd@sc.edu. Do not use the old email address of sdamp@sc.edu as that will no longer be in use. Our Facebook page will be The Maritime Research Division. If you have not followed us on Facebook yet, search for us after May

1st under the new name. For those of you who already follow us on Facebook, you will not have to alter anything and we will continue to pop up in your newsfeed. Finally, we have a new emblem to solidify us a division and help you recognize us everywhere we go. This emblem will be available on a variety of items available for purchase including t-shirts, hats, coffee mugs, etc. Once we have them available, we will let you know where you can get them.

We are very excited about these changes and hope you are too. Please contact us if you have any questions or concerns about the upcoming relaunch. ■



New MRD emblem

April Quarterly Reports

This is a reminder that your 1st quarter 2014 reports are due by April 10, 2014. These reports should cover all of the collecting you have done between January 1st and March 31st of 2014.

versions of the forms. We will no longer be accepting outdated versions.

Curator of Natural History
301 Gervais St.
Columbia, SC 29201

Artifact Reports

Your *artifact* reports should be filed online or may be sent to:

Make sure that you file reports with both agencies even if you have not done any collecting. If you have not done any collecting, just tick the box that reads "No Recoveries Made This Quarter" and send it to the appropriate agency.

Artifact Report Forms
PO Box 12448
Charleston, SC 29422

You may also fax forms to: (843) 762-5831
Email forms to us at: mrd@sc.edu

If you have any questions regarding reports, please visit our website at: artsandsciences.sc.edu/sciaa/mrd/sdamp_hdl_forms.html

Fossil Reports

Your *fossil* report forms should be emailed to Dave Cicimurri at: dave.cicimurri@scmuseum.org

Or give us a call at: (843) 762-6105. ■

Or mailed to:

Please file your artifact reports using our online system. You can submit forms online at:

src6.cas.sc.edu/sdamp

(Note: If this is the first time you are filing on this system, you will need to activate your account by following the directions on the home page).

All report forms can be found on our website at: artsandsciences.sc.edu/sciaa/mrd/sdamp_hdl_forms.html

Please use the newest



Quarterly Reports due by April 10, 2014

Archaeological Society of South Carolina

By Mary Lou Brewton, Beaufort Chapter, ASSC, and MRD

A group of enthusiastic folks from Northern Beaufort County held their first OFFICIAL meeting to establish a new Chapter of the Archaeological Society of South Carolina (ASSC) to be designated the ASSC/Beaufort Chapter.

Beaufort County is a series of barrier islands often making it difficult, time consuming, and traffic challenging to get to the existing Hilton Head Chapter meetings. The purpose of a second chapter in the Lowcountry is to ease or eliminate those issues,

while maintaining collaboration between the two chapters.

At the March 24th meeting, held at noon at the Beaufort County Library on Scott St, downtown Beaufort, Dr. Eric Poplin discussed Altamaha Town, located in Beaufort County. We kept having to get more chairs as 43 folks attended and 16 new members joined the ASSC/Beaufort Chapter. There were many interesting questions from those attending, giving yet more hope to the future of this new Chapter.

Our membership

interests in archaeology are varied and demographically- we are all over the board. We consider this an asset to the Chapter. With the submission of our dues and membership list, we look forward to joining other avocational and professionals throughout the State.

We would like to thank Dr. Eric Poplin for his great talk and Grace Cordial of the Beaufort District Collection of the Beaufort County Library for arranging our meeting space at the Library. Thanks to Dee DuBose and

Donna Young for their ongoing and continual excitement about establishing the new chapter.

If you are interested in learning how to become a member of ASSC/Beaufort Chapter, please contact Mary Lou Brewton at maryloubrew@aol.com.

The Archaeological Society of South Carolina, Inc. (ASSC) is an association of professional and avocational archaeologists and concerned citizens uniting in a cooperative effort to understand the prehistory

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ASSC (Continued from page 2)

and history of South Carolina. It is a society of dedicated members exerting their combined efforts toward the interpretation and preservation of South Carolina's rich cultural heritage

The Maritime Research

Division (MRD) is a proud supporter of the Archaeology Society of South Carolina. Each year MRD participates in the annual conference and Fall Field Day, both highlighting the great work conducted by professional

and avocational archaeologists in the state.

We hope you will consider joining this great organization in helping to protect and preserve South Carolina cultural heritage! ASSC is a great way to get involved in the archaeology

around the state.

For more information on how to become a member with ASSC, visit www.assc.net ■

Upcoming Events

Wing Nights

April Wing Night will be April 30th at Kickin' Chicken on James Island. We have set Columbia Wing Night for May 28th at the British Bulldog Pub. We hope to have a special Wing Night in July at the Charleston Riverdogs. Wing Night is a free and open invitation event, so please bring friends, family, and artifacts and fossils to show or have identified. We hope you will join us!

Stone Fleet Project

The Maritime Research

Division will be conducting offshore remote sensing and diving operations on the Charleston Harbor Stone Fleets every other week through May. Our offices are closed during these weeks while we are away in the field. Please see page 6 for more information on this project.

Combahee River Project

The MRD will be conducting a field project in the Combahee River in June. The project will be a week long and we may need a few volunteers. We

will post info regarding this opportunity when we have the details. If you are interested in volunteers for any projects, you must have significant black water/zero visibility experience and be CRP/First Aid and O2 certified.

FTC Part I

We are offering our Underwater Archaeology Field Training Course June 28th and 29th 2014. This weekend course will cover the basics in recording underwater sites. Please

see page 4 for details about the upcoming course.

Artifact Workshop

We will be offering our Artifact Identification Workshop in Columbia on July 12, 2014.

Please continue to read the *Quarterly Reporter*, emails, our website, and follow us on [Facebook](https://www.facebook.com/asscnet) for information about upcoming events and volunteering opportunities. ■

MRD News

It is important to us that our divers and friends are aware of the education and outreach we do throughout the year. We hope to keep you updated on all that we are involved in so that you too will get involved.

Remember that MRD is on [Facebook](https://www.facebook.com/mrd)! Leave a message on our wall!

January

- Nate Fulmer joined the division to replace Carl Naylor and take over the administration of the Hobby Diver Licenses.
- Wing Night was cancelled due to extreme weather.

February

- Jim Spirek and Nate Fulmer conducted archival research on the Stone Fleets in Washington DC February 9th-15th.
- Ashley Deming, intern Sally Topping, and volunteer Bruce Orr attended the Cypress Gardens Fossil Show February 15th.
- Ashley Deming and Nate Fulmer presented a paper on the Black River Project at the South Carolina State Parks Archaeology Conference on February 22nd.
- Columbia Wing Night was held on February 26th.

March

- MRD conducted diving operations on the Stone Fleet March 3rd-7th and 24th-28th. Weather postponed some of the diving.
- Nate Fulmer and Ashley Deming conducted a pre-survey of the College of Charleston's Dixie Plantation to assess potential maritime archaeology projects.
- MRD attended the Fields of Conflict Conference March 12th-15th.
- The Artifact Identification Workshop was held in Charleston March 22nd for a full class of 15 students.

- Wing Night was held in Charleston on March 26th.
Upcoming...

April

- Quarter 1 2014 reports are due April 10th.
- Stone Fleet Project continues April 7th-11th and 21st-25th.
- Wing Night April 30th.

May

- Stone Fleet Project May 5th-9th and 19th-23rd.
- Columbia Wing Night May 28th.

June

- Combahee River Project June 16th-20th.
- Wing Night May 25th.
- FTC Part 1 June 28th & 29th. ■

Field Training Course Part I

MRD is offering our field training course in underwater archaeology in June of this year. This course is designed mainly for hobby divers, but is great for any diver who wants to get involved with underwater archaeology.

Part I

Part I consists of teaching basic techniques that can be used in the field to observe, report, and record underwater sites. This course will be a mixture of hands-on activities and lectures designed to teach the average diver how to be first responders to sites that they may come across while diving. Think of it as a kind of Field Underwater Archaeology 101. The class will be on Saturday and Sunday, June 28th & 29th.

Saturday will consist of classroom lectures and dry land hands-on sessions, while Sunday will be underwater sessions using the skills developed on Saturday. Part I is available to 10 students. The cost is \$175 per person. This

includes both days, a handbook, all materials involved, and air tanks. Divers will need to provide their own dive gear, lunches (food and drink for all day), and transportation. The Saturday session will run from 9am-5pm at the Fort Johnson Marine Resource Center in Charleston. The Sunday session will be located at a training pond in Awendaw and run from 10am-4pm.

When: Saturday and Sunday, June 28 & 29
From: Saturday 9am-5pm, Sunday 10am-4pm
Where: Saturday- Fort Johnson Marine Resource Center, Charleston & Sunday-Awendaw
Cost: \$175- make checks payable to USC and send them to:
 FTC Part I
 PO Box 12448
 Charleston, SC 29422

Please email Ashley Deming at: deming@sc.edu or call 843-762-6105 if you are interested. Checks must be received by June 6th if you

would like to attend Part I.

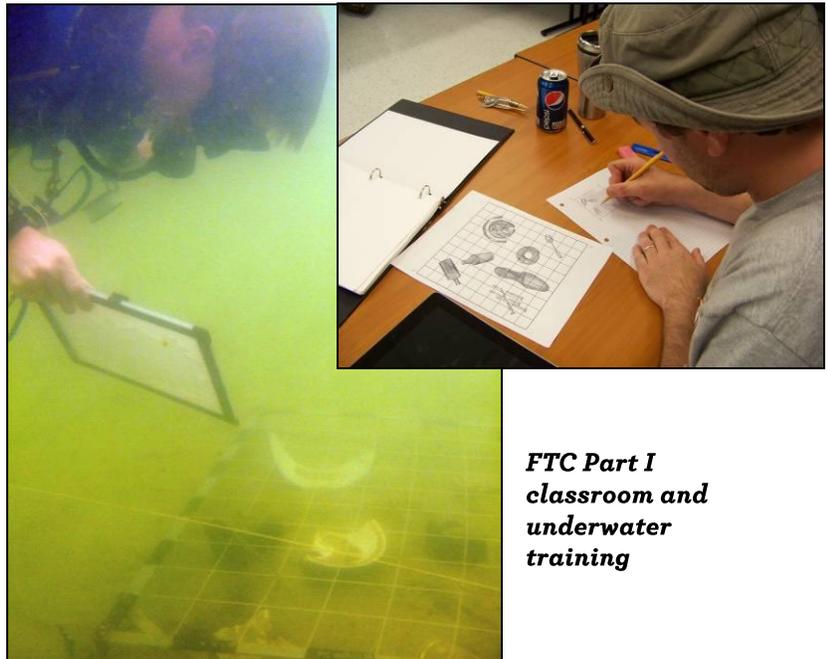
Part II

Once you have completed Part I, you are eligible to participate in Part II. This course is a 3 ½ -day course taking place on Hilton Head Island where we will be continuing our excavation and recording of a beached shipwreck. Techniques learned in Part I will be used to accurately record the site. Students work alongside maritime

archaeologists to record a site as part of an ongoing project.

Due to our field season this year, Part II will not be available, but we hope to pick it back up in 2015. Graduates of Part I are eligible to participate in any future Part II.

This is a great opportunity to get down and dirty with real maritime archaeology, so sign up now!■



FTC Part I classroom and underwater training

Hobby Diver of the Quarter

This section of the newsletter is devoted to the hobby diver(s) who go above and beyond the call of duty. He/she has submitted excellent reports, been an exceptional volunteer, has gone out of their way to preserve cultural and/or natural heritage in the state, or has

been a general inspiration to other licensees, the public, or us.

Each quarter we will pick a licensee that resembles one or more of these noteworthy traits. Hopefully, it will be you! If you know of someone who fits some or all of these categories and would like to

nominate them, please send us a brief email of who and why you think they should be Hobby Diver of the Quarter.

The honor of Hobby Diver of the Quarter for Quarter 1 2014 goes to licensee Chris Gilbert (#4814).

Chris has attended our

Artifact Workshop and continues to submit exceptional reports! Since the launch of our online filing system, Chris has consistently filed, not only on time, but also with very detailed information regarding his finds. Chris likes to walk the rivers at

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March Artifact Workshop

By Ashley Deming, MRD

On March 22nd, the MRD held its first artifact workshop of the year at the DNR Marine Resources Research Institute classroom at Fort Johnson Marine Resource Center in Charleston. The workshop was full with 15 students, all with very diverse interests in underwater archaeology and history. Some were divers, while others were simply interested in the vast underwater past that South Carolina has to offer.

The workshop features a mixture of lectures and activities designed to help identify some of the types of artifacts found in South Carolina. The workshop focuses on how to identify

and date artifacts using a diagnostic approach to field identification. This is something that everyone can do. With some simple descriptions, artifacts can be identified in a manner useful to both hobby collectors and archaeologists. This workshop is designed to help collectors better understand and identify artifacts so that they can appreciate their collections even more from an archaeological and historical context, but also to report finds more accurately to archaeologists and researchers.

Students did an excellent job of working together to identify the

artifacts they were given. We even had a great time with the speed dating event at the end of the day where students were tested on the knowledge they learned in a quick-fire test on a variety of artifacts.

We are very proud of our 2014 March workshop students and they should be very proud of

themselves for a job well done. Congrats, students, on your accomplishments! We hope to see some of this knowledge come through on our upcoming artifact reports. The next Artifact Identification Workshop will be offered in Columbia in July. ■



2014 March Artifact Identification Workshop

Hobby Diver (Continued from page 4)

low tide and search for projectile points. Chris takes pictures of these point *in situ* (in the natural or original position or place) and provides us with exact GPS coordinates of each point he finds. He also provides a variety of pictures with scale once the

point has been collected and uploads those along with descriptions and dates to his reports. Chris, we thank you for providing up with some incredible information about prehistoric South Carolina.

We look forward to

working with Chris more in the future to preserve our amazing South Carolina natural and cultural heritage.

Thank you, Chris! You are truly an inspiration to us all! ■

**Hobby Diver of the Quarter
Chris Gilbert**



Feature Articles

Each quarter we would love to feature one or two articles by you. Your article can be about an artifact or fossil you found, your collection, your research, your experience with the program, a humorous diving anecdote, or just something interesting that relates to South Carolina's

past. Feel free to include images that can be used with your article.

You should submit your articles to MRD for review and editing. Once we have approved your article, we will do our best to get it into the next issue of the *Quarterly Reporter*. If your article is accepted, we will

contact you to let you know.

We want to hear from you, so get writing! Submit your articles to: mrd@sc.edu ■

Volunteer Bruce Orr staying warm on the 2014 Stone Fleet Project
(photo courtesy of Bruce Orr)



My Spring Internship

By Sally Topping, MRD Spring Intern

Hello All! My name is Sally Topping and I have had the pleasure of interning for the Maritime Research Division this semester. I'm a senior at the College of Charleston majoring in Art History with a double minor in Studio Art and Archaeology. I started working at the MRD in January. Since then I've been processing licenses, working on the new emblem, and attending events such as the Cypress Gardens Fossil Show and the South Carolina State

Parks Archaeology Conference. My main project at the moment is cataloging a collection of potsherds donated by hobby diver Gus Dunlap. This process, though time consuming, is pretty basic. With Nate and Ashley's help, I determined the type for each piece of pottery. I designated a number for each type and that's where the real fun began. I labeled each potsherd with letters that identify it as part of the Gus Dunlap Collection, a number for the typology,

and a number specific to each specimen. From here, I photographed each piece and entered a description of the rim, interior and exterior decoration, and the color and composition of the paste comprising the vessel. I have really enjoyed learning more about South Carolina's unique hobby diver program and getting a taste of what professional archaeologists do. I am so grateful for this opportunity and look forward to what the rest of the semester holds. ■



Intern Sally Topping at the 2014 Cypress Gardens Fossil Show

Charleston Harbor Stone Fleets Research at the National Archives

By Jim Spirek, State Underwater Archaeologist, Maritime Research Division, SCIAA

The internet is a historical researcher's dream, especially for those used to thumbing through countless books and scrolling through newspaper microfilm in search of scraps of information concerning their topic of interest. A Google search gathers an impressive number of articles, books, documents, and images, some germane,

others not so much, and some, well I had to look at them just to make sure they were not relevant. Where the internet particularly shines is in locating obscure resources otherwise undetected by researchers due to time, location, or financial restraints. Despite the wonders of this modern online informational age, a vast number of historical resources remain

unavailable on the internet. Accessing these non-electronic resources require a trip to an archival repository, and in our case a trip to the National Archives in Washington, DC to support our Charleston Harbor Stone Fleets project. Barely a month into his new job, Nathan Fulmer got a "vacation" to DC with me, to look for materials at the

archives related to purchasing, outfitting, and sinking the two stone fleets. These two stone fleets were intended to obstruct the two primary channels to prevent Confederate blockade runners from entering and exiting Charleston Harbor during the Civil War. Nathan and I drove to DC in mid-February of this year to

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Stone Fleet (Continued from page 6)

spend a week at the archives. We had postponed our trip by a week because weather forecasts from the area suggested wintry mix throughout our planned week. We did not want to lose any valuable time at the archives due to snow, and therefore delayed our trip to the following week. Unfortunately, like two pedestrians walking towards one another and not sure which way the other is going end up bumping into each other, so too did we end up smacking into the snow storm for the ages, at least so proclaimed by the Weather Channel. Consequently, we lost a day and two hours of research time at the archives due to the shutdown of the US government in the DC area. Despite the setback, Nathan and I managed to peruse a number of archival resources including navy vessel logbooks,

correspondence between the purchasing agents and the navy, and a trove of paperwork associated with the sale and outfitting of the vessels destined for the stone fleet.

Our first research priority centered on the logbooks of those US navy vessels engaged in sinking the First and Second Stone Fleets off Charleston Harbor. While the First Stone Fleet, sunk in late December 1861, received the most attention, particularly by newspaper reporters that accompanied the expedition, we hoped to learn more about the sinking of the Second Stone Fleet in late January 1862. There is a dearth of specifics related to the Second Stone Fleet as by this time European criticism of the First Stone Fleet apparently dampened the Federal Administration's desire to publicize the sinking of

another obstruction off Charleston Harbor. For those that have not reviewed a naval or merchant vessel's logbook there are basically two kinds depending on the information they contain. The first type of logbook strictly records metrological information of sea states, wind direction, latitude and longitude, and perhaps a mention or two of any unusual activity aboard the vessel. Information contained in this type of logbook may excite a climatologist, but not a historical archaeologist, unless wind direction or currents figure into the research of a particular shipwreck. The second type of logbook that addresses the ship's activities and surrounding events form the basis by which to construct a historical narrative or to guide archaeological investigations. These were the logbooks that we were after, and fortunately, the majority of the logbooks we examined fell into this latter category.

The numerous entries in the logbooks from the disparate vessels combined to form a good image of the events surrounding the two stone fleets. The logbooks noted the chaotic arrival of the first contingent of 25 stone fleet vessels off Tybee Island and Port Royal Sound in early December 1861. There several of the vessels grounded or wrecked on the shoals and others lacked suitable ground-

tackle. Next, the navy vessels spent time marshalling these vessels at Port Royal, and then escorted or towed them for scuttling at the Main Bar off Charleston. The logbooks also referenced the arrival of the second contingent, numbering 20, at Port Royal during the interval between the two sinkings, and the events surrounding the sinking of the Second Stone Fleet at the entrance to Maffitt's Channel. Other specific information included the scuttling of several vessels to form breakwaters to facilitate the landing of Federal troops at Tybee Island, Georgia, the scavenging of sails, blocks, and other accoutrements off the hulks by navy vessels, and the diverting of several vessels for logistical purposes to serve as floating storehouses or machine shops. The logbooks of those vessel's actively engaged in sinking the stone fleets recorded their actions of towing the hulks into position, recovering sails and spars for later use, or in one instance, having to go back to one vessel since the sailor's had forgotten to open the plug to sink the the hulk. Of particular archaeological importance, Nathan located a reference to lashing and sinking two vessels together of the Second Stone Fleet. This proved of interest, as during our survey operations last year the sonar generated an image

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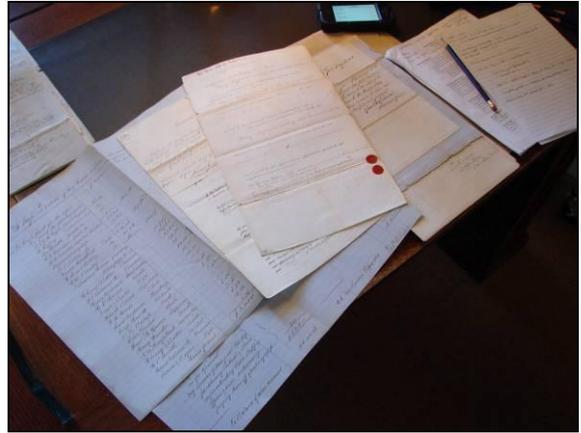
Nate Fulmer perusing a logbook from one of the navy vessels involved with the two stone fleets. (SCIAA photo)

Stone Fleet (Continued from page 7)

of a ballast mound extremely close to a previously documented ballast mound. One hope of this project is to provide a name to these anonymous ballast mounds, and with references like that, will help in our quest to provide a history to these shipwrecks. These logbook entries are valuable bits of information that will help to develop our historical narrative and guide our archaeological explorations of the two stone fleets.

After mining the logbooks for nuggets of information, we turned our attention to a cache of documents concerning the navy's purchase of merchant vessels during the Civil War. These documents are separated by the name of the vessel in alphabetical order, and we obviously were only interested in those vessels composing the two stone fleets. We found a number of materials associated with each of the vessels, except for the bark *Peri*. These documents consisted of

bills of sale, a ship's registry, and a Custom House declaration clearing the vessel for sale. One associated document in particular proved of extreme interest: a spreadsheet created by Richard H. Chapell, charged with purchasing and outfitting the vessels for their intended use as part of the stone fleet. The spreadsheet listed expenses to purchase stones, make repairs, provisions, crew the vessels, and a plethora of other items. Additionally, Chapell sold items no longer required by the vessels including copper sheathing stripped from the hulls, whaling gear, anchors and chain, and navigation gear. Of particular interest was that Chapell oftentimes sold an expensive anchor or chronometer and then turned around and bought cheaper replacements for use on the voyage south. In one case, he sold a chronometer for \$100.00 and then bought one for \$2.00. Apparently he attempted by these means



Bill of sales, Chapell spreadsheet and other documents associated with purchasing and outfitting the two stone fleets. (SCIAA photo)

to defray the total costs of the vessel to the US Government. A couple of unique documents were also found: an inventory of all the supplies aboard one of the vessels, and the original secret sailing instructions that each Captain received prior to heading south. At the end of one of the boxes containing these documents, we found a letter by Chapell to Welles summing up in good detail his efforts to assemble and outfit the two stone fleets. As above with the

logbooks, these documents, combined with all our other research, will assist us to develop the historical context and to guide our archaeological inquiry of the two stone fleets sunk off Charleston Harbor. Currently, we are conducting visual reconnaissance of each of the twenty-nine wrecks composing the two stone fleets. Look to subsequent issues of the newsletter for progress reports concerning these efforts. ■

Diver Safety

First Aid Training Prepares You to Respond

By Maureen Robbs, Divers Alert Network

At DAN, we know firsthand that knowledge empowers people to step up in a crisis. It's the reason the DAN first aid programs are available to everyone - divers and nondivers. DAN's Diving Emergency Management Program is a

comprehensive course that prepares individuals to manage various multistage events, which can compound to create an emergency. The Diving Emergency Management Program combines the knowledge and skill

development from each of the following DAN courses:

Basic Life Support: CPR and First Aid

Be prepared to provide proper care for victims of life-threatening illness or

injury until professional emergency medical care is available. This course focuses on life support skills such as one-person CPR, use of an automatic external defibrillator (AED), controlling

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Diver Safety (Continued from page 8)

bleeding, assisting a choking victim and responding to a person in shock. The first aid portion of this program includes key skills such as conducting illness and injury assessments, bandaging, splinting and performing emergency care.

Neurological Assessment

Each year more than 1.7 million adults and children sustain accidental injury to the head (traumatic brain injury) that requires immediate medical attention. Additionally, nearly two-thirds of divers with decompression illness experience symptoms involving their nervous system. DAN's Neurological Assessment course trains you to evaluate an injured individual, what information to collect and what information to relay to emergency medical services.

It will help you recognize key signs that may lead to a faster response time and improved long-term outcomes.

While only medical professionals should diagnose medical conditions, the information you gather while performing a neurological assessment may be useful to the emergency physician in understanding the extent of the injury and how it has changed during the time it took to transport the patient to definitive care.

Emergency Oxygen for Scuba Diving Injuries

In a dive emergency, oxygen first aid plays an integral role in first response. Oxygen first aid not only significantly enhances nitrogen offgassing, but it may also reduce bubble size and tissue swelling. It definitely improves the delivery of

oxygen to tissues affected by diving injuries. The DAN Emergency Oxygen for Scuba Diving Injuries program will teach you the techniques of providing oxygen first aid for a suspected dive injury. In addition, this course introduces the fundamentals of recognizing diving injury warning signs as well as the proper response and management. *(This course requires that you have a current certification in DAN Basic Life Support: CPR and First Aid program or other full CRP course.)*

First Aid for Hazardous Marine Life Injuries

Whether you enjoy our oceans from below, above or from the shore, unintentional encounters with a jellyfish, sea lice, fire coral, and other marine life happen. Additionally, nearly 40% of travelers experience

some type of seafood related illness. DAN's First Aid for Hazardous Marine Life Injuries course provides you with the knowledge required to identify and apply first aid treatment for specific types of marine life injuries as well as seafood poisoning. Get the skills you need to be prepared to respond in an emergency. Find a DAN Instructor near you at DAN.org/Training/Direct [ory](http://DAN.org/Training/Direct).

[Divers Alert Network \(DAN\)](http://DAN.org) is a nonprofit organization dedicated to the safety and health of scuba divers. DAN operates a 24-hour emergency hotline (+1-919-684-9111) to help divers in need of medical emergency assistance for diving or non-diving incidents. ■

Conservation Corner

The 150th Anniversary of the *H.L. Hunley* Submarine

By Johanna Rivera and Raegan Quinn-Smith, HL Hunley Project, Warren Lasch Conservator Center, Clemson University

One hundred fifty years ago, on February 17, 1864, the *H.L. Hunley* became the first submarine to sink an enemy ship in battle when she attacked and sank the *USS Housatonic* off the coast of Charleston. Right after the attack, the *Hunley* mysteriously vanished with her crew of eight. Lost at sea for over 130 years, the Confederate vessel was finally located in 1995. After years of planning a recovery effort,

the world watched on August 8, 2000 as the *Hunley* broke the water's surface for the first time in over a century. She was brought to the Warren Lasch Conservation Center in North Charleston, South Carolina, a state-of-the-art laboratory facility designed to excavate and conserve the *Hunley*.

The submarine proved to be a time capsule, holding the remains of the crew and a wide array of

fascinating nineteenth century artifacts. Conservators are now at work to conserve the *Hunley* and the hundreds of artifacts found onboard. They have developed new cutting-edge conservation techniques that may revolutionize the way artifacts are preserved in the future. Archaeologists continue to analyze the data found on the submarine in hopes of piecing together the events that led to her

disappearance and completing the *Hunley's* chapter in maritime history.

To commemorate this day, the Warren Lasch Conservation Center located in the North Charleston campus of the Clemson University Restoration Institute, had a series of activities that involved the public and the media. The *Hunley* tank was opened for the public

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Conservation Corner (Continued from page 9)

during extended hours, full dressed honor guard and living history scenes welcomed the public as they entered the facilities. In addition, forensic genealogist Linda Abrahams that has been studying the submarine's crew gave a presentation for the general public about her research. The day of the sinking, February 17, there

was a living history presentation and a memorial service at Breach Inlet, where the *Hunley* and crew left land for the last time before their mission. In addition, the Hunley collection was made available for the first time to the general public through digital media. Friends of the Hunley, in partnership with the

College of Charleston's Lowcountry Digital Library (LCDL) and Clemson University, released an on-line photographic journal that chronicles the modern-day events surrounding the world's first successful combat submarine. The library can be accessed through <http://lcdl.library.cofc.edu/content/friends-hunley>

The *Hunley*'s long journey will finally be complete when she is preserved and on permanent display. Plans are underway to have the submarine serve as a centerpiece of a world-class maritime museum dedicated to telling the story of our nation's rich naval heritage. ■



The Hunley submarine in her truss being lifted by a crane to be placed on a barge. (Copyright FOTH)



H.L.Hunley supported by the truss. (Copyright FOTH)



Submarine being transported to the Warren Lasch Conservation Center. (Copyright FOTH)



Submarine sitting on her conservation tank at a 45-degree angle. (Copyright FOTH)



Submarine after being rotated to an upright position. The Hunley tank will be filled with a chemical solution to begin the conservation treatment. (Copyright FOTH)



Paleontologists Panel

Hobby Diver Spring 2014

By Dave Cicimurri Curator of Natural History, South Carolina State Museum

Well, the first quarter of 2014 has already passed. We definitely had an up and down winter – warm for a few days then cold for a few, then the cycle repeated. I'm looking forward to seeing who couldn't resist getting out into the creeks and rivers to look for fossils. Hopefully soon, the fossil reporting will be just as easy as filling out and submitting your artifact reports. Thanks to Ashley and Nate for streamlining the reporting process even more.

Earlier this year I had the chance to (finally!) attend the Cypress Gardens fossil show, which almost didn't happen due to an ice

storm that hit a few days before. It was a great opportunity to put a face to the names on the reports and pictures of fossils that I've been getting, and I enjoyed talking with everyone I met. Seeing some great specimens was also a plus, and I already have next year's show on the calendar.

A big development since the last newsletter is that Ashley, Nate and I installed the first in a continuing series of displays that will highlight the Hobby Diver License program. The leadoff exhibit introduces the program to the general public and contains a

number of fossils and artifacts from both the MRD and State Museum's teaching collections. Our goal is to keep this exhibit changing, on a six-month or so schedule, by having themed displays that will showcase fossils or specimens that have been found and reported by the hobby divers participating in the program. This will be a great opportunity to show your support for the hobby diver program and display some of the things that you are proud of finding. Keep your ears open for calls from one of us regarding upcoming exhibit themes. Any specimens that you provide



The exhibit space before the install of the new hobby diver exhibit

for the exhibit will officially be on loan to the State Museum for the duration of the exhibit. You will receive an official form with all of your contact information and a list of what will be on loan.

Judging by the number of fingerprints all over the display cases, the current display is a hit with the visiting public. We hope you can make the time to see each new exhibit within the series!

If you or someone you know is interested in having your artifacts and/or fossils displayed, please contact Ashley Deming at deming@sc.edu. ■



The exhibit space after the install of the new hobby diver exhibit

The Maritime Research Division

The *Quarterly Reporter* is a quarterly newsletter from the Maritime Research Division of the South Carolina Institute of Archaeology and Anthropology at the University of South Carolina.

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Letters to the Editors

If you have something that you would like to say about the division or have questions that you think others like yourself would like to have answered, look no further. This section of the newsletter is just for you. Send in your

questions, comments, and concerns and we will post them here. You can also send in comments responding to letters from other. MRD staff will respond to your comments and answer your questions for all to read.

Just like your artifact report forms, you can email, fax, or send your letters to MRD. We look forward to hearing from all of you.■

Notes from the Editor

This year seems to be flying by already! Our year is packed with tons of great projects, events, and some big changes for the division. With the relaunch upon us, we are racing to get everything in order for our June 1st deadline. This also includes all the great swag we'll have available with our awesome new emblem!

Along with all of that, we will be in the field about 15 weeks this year. Lots of diving and archaeology to be done! As we will be out of the office so much, we encourage you to apply/renew well in advance so we can get those licenses out to you for when you need them.

Nate has been doing a fantastic job helping to streamline licensing and reporting and make everything a little easier to submit and process. To make it even easier and faster for those of you renewing, it is important that you have all of your reports up to date before

you renew. This means both artifact AND fossil reports. Folks have been great about having their artifact reports in, but the fossil reports are what end up holding back your renewal. Once Dave Cicimurri at the SC State Museum lets us know that you are up to date, we can then process your renewal.

If you are unsure if you are up to date, please feel free to email us about your artifact reports and Dave about your fossil reports. We can let you know exactly what you are missing if anything.

Nate is also working on integrating the artifact and fossil report online. This means you will only have to file your reports in one place on one form, but it will still be reviewed by both agencies separately. This will only be available online. If you file via paper forms, you will still need to file each form separately.

We are excited about our changes and improvements for 2014. As always, if you have questions or concerns, please give us a shout. Let's get diving!■



Ashley Deming & Nate Fulmer excited to start the diving season in March 2014 on the MRD Stone Fleets Project.

Useful Website Information

For more information on

SDAMP: <http://artsandsciences.sc.edu/sciaa/mrd/sdamp.html>

MRD: http://artsandsciences.sc.edu/sciaa/mrd/mrd_index.html

SCIAA: <http://artsandsciences.sc.edu/sciaa/>

SCIAA publication *Legacy*: <http://artsandsciences.sc.edu/sciaa/legacy.html>



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