

“UP SCOPE!”



USS Cobia E-Newsletter

Fall 2016: Volume 4, Issue 4

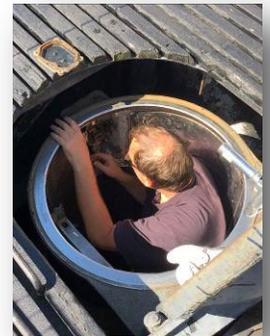
Welcome to our new format! With so much going on in this issue I thought I'd try out a new format! Hope you like it! This issue is filled with projects that were completed by our amazing volunteers. So much has happened since the last issue and this is the biggest issue we've had so far! Hopefully we'll continue to grow this newsletter and the amazing work that is being done by our volunteers. We couldn't keep this boat afloat with out them!

Volunteer Report

Engine Update: Pat Habel, Russ Collins, and Paul Kraynek have continued working on restoring engine #1. Work includes, setting fuel racks, cleaning injectors, changing fuel filters, and repairs to the over speed governors. They were back up for a weekend at the end of October with two extra helpers, Lenny Kleinmark and Mike Swift, to continue working on the engines and they got engine #1 running again! Later that evening, I could still smell the diesel fumes hanging in the air. It smelled great guys! Thanks for all you hard work in this!

Pat was back the first weekend in November to make gaskets and work on the #1 generator. He removed the aft bearing (bearing and shaft are good), cleaned the area, and reassembled it. The next day he turned it over with a pry bar and it spun freely once it got moving. He then removed stuck/frozen injectors from engine #2 for cleaning.

Paul Kraynek repaired the broken 1mc switch, tweaked the limit switches on the hull induction board, and helped Pat install a heater in the air compressor motor to dry out the moisture. He also ran power to the new booster fan targeting the periscope well in the pump room as well as other fans in relation to the HVAC system. Recently Paul started the torpedo ready light board and installed and tested SAT DC power supply for IC board.



Chief Selects Report for Duty

In August, a second Chief Selects group from NRD Chicago stopped by for a visit. This was their 4th year bringing selects to the museum. They continued the work that was started by the other group two weeks earlier. One group finished painting in the pump room while another finished painting the maneuvering room bilge. This project was started over a year ago by last year's selects. They began chipping the loose rust and over the winter sub vets finished cleaning up all the loose rust and paint and primed it with a rust inhibitor. It took two days to paint everything they could reach. There is still more work that can be done in the area, but this was the biggest project and I'm pretty amazed and happy it only took a year to complete!



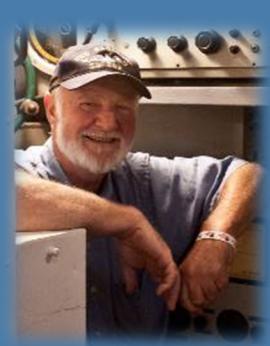
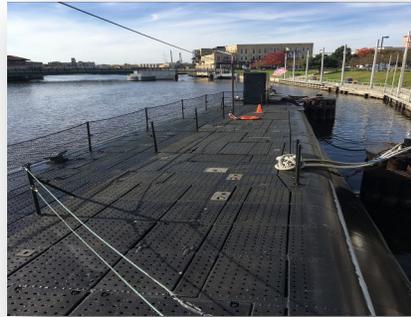
Deck Painting



After the summer heat cooled and the attendance slowed, it was time to paint the aft deck. Ed Dowling and Jeff Trimborn were joined by fellow sub vet Leon Lemma and his son Troy. They came up for the day to help prep the metal deck. The next day it was overcast and rainy so Jeff gave Ed a hand with his ongoing project in the crew's showers. The next day it cleared up and Ed and Karen got

half the deck primed before Ed had to take off. Paul Rutherford and Karen added the first coat of black the next day.

Tuesday, November 1st marked our first day of winter hours, which means we are closed Tuesdays and Wednesdays. It was also 70 degrees that day so Paul grabbed that opportunity to finish painting the deck. Warm weather and two days to dry was a rare opportunity we couldn't pass up!



Unfortunately, a week after Jeff was here we found out he passed away unexpectedly. It was a huge shock to the museum staff. He was a sub vet who served aboard USS Sablefish (SS 303). Jeff enjoyed coming up for the sub vet work parties a few times a year and had a blast hanging out at Subfest this past summer. Jeff will be missed. Sailor rest your oar.

Volunteer Awards

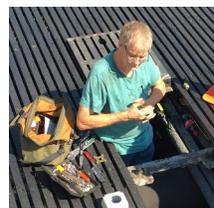
In September I was fortunate enough to attend the annual Historic Naval Ships Association (HNSA) Conference in Corpus Christi, Texas, home of the aircraft carrier USS *Lexington*. The conference is full of useful sessions in regards to ship preservation, interpretation, and program ideas. It is also a chance to connect with friends and colleagues who I am able to turn to for questions and input from time to time. The best part of this year's conference was accepting awards for four of our longtime volunteers: Tom Aschenbrenner, Pat Habel, Phil Walters, and Russ Collins. This was the first time we've nominated our volunteers for a HNSA award and hope to recognize more in the future.



Tom received the John C. Fakan Communications award for the work he's done on the radio equipment, alarms, and restoring our radar to working order. He's also worked on fuse box repairs, the emergency lighting, the periscope controller, and regularly maintains the radios and equipment in the radio shack



Pat received the Maintenance/Preservation/Exhibition Award. He has restored and maintains one of the High Pressure Air Compressors as well as the main diesel engines. Pat has become a leader amongst the many *Cobia* volunteers and is dedicated to repairing and maintaining main engines 1 and 2.



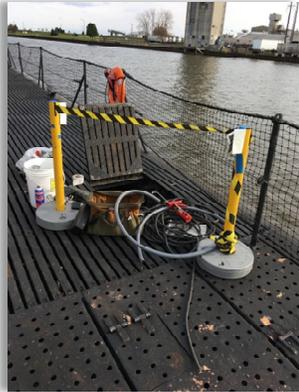
Phil received the Maintenance/Preservation/Exhibition Award for his help in restoring and maintaining the main diesel engines, assisting with various other maintenance and restoration projects, and taking on the lead role in maintaining our custom HVAC system aboard the boat.



Russ received the Maintenance/Preservation/Exhibition Award. He has helped take apart and repair main diesel engine #1, maintain supporting pumps and motors, and has been a consistent volunteer dedicated to maintaining and preserving a part of the submarine.

HVAC-Boiler Project

After a lot of discussion, it was decided that this year we need to upgrade and repair the custom-built HVAC system which was installed in 2007 and also replace the boiler that was installed in 1996. The HVAC was not working the way it should anymore with humidity being our biggest issue



and we were afraid the boiler would break down in the middle of winter when we needed it the most. Thanks to the *Cobia* Preservation & Maintenance Fund at the Lakeshore Community Foundation we were able to cover most of the cost with this year's available funds, the funds that carried over from 2015, and a few extra generous donations to help

cover the remaining balance needed to complete the project.

The work was done by AC Plus Marine out of Kevil, KY with the help of our amazing volunteers Phil Walters, Paul Kraynek, Pat Habel. Phil was the initial contact with Chuck Phillippe from AC Plus. Chuck designed and installed the HVAC system and we were happy to work with him again. Phil spent several hours inspecting and preparing for the HVAC installation and maintained communication with Chuck prior to his arrival.

Chuck and his son Charlie spent a few days here early in October to look over the system and plan the boiler installation so that it was a short install. The HVAC system was flushed and they installed several booster fans to help airflow. Paul Kraynek assisted by running power to all the new booster fans throughout the boat.

While Chuck was back in Kentucky, Paul, Phil, and Pat took apart the old

boiler and removed it from the boat. The boiler was in the dog house, aft of the conning tower, and beneath the 40mm deck gun. This saved time and money and the area was ready to go when Chuck returned to install the two new boilers. The new units are high-efficiency Rinnai boilers and are much smaller than the original boiler. They were mounted to the forward bulkhead in the same area. We went with two boilers because it gives better capacity, a two stage operation for efficiency in milder weather, and redundancy in case one of them fails. These boilers will also drastically decrease our gas and electric bills!



Haunted Sub

Haunted Sub 2016 was a huge success! This was our 3rd year turning *Cobia* into a haunted house for two nights and we more than doubled our attendance from last year. In 2015, we had 299 people and this year we had 658!

Part-time staff generously volunteered their time along with a few extra volunteers to transform the sub into a dark and scary haunt and give our guests a spook-tacular good time! Several people came from around the region and were intrigued by the unique location. Guests cried, laughed, and had a good time. We can't wait to do it again next year!



Cobia Clarion

Charlie Stewart checked in recently. He and Betty are taking good care of each other.

USS *Cobia* (SS 245) * Wisconsin Maritime Museum

75 Maritime Dr. Manitowoc, WI 54220 866-724-2356

www.wisconsinmaritime.org * www.facebook.com/WIMaritimeMuseum

If anyone would like to be added to the email list (or removed), please email me at kduvalle@wisconsinmaritime.org.

Cobia Affinity Membership Drive

Purchase a *Cobia* Affinity Membership for \$100 between October 1st and November 30th, 2016, and be entered for a chance to win one of two flags flown from *Cobia's* stern!



The first flag was flown on Veteran's Day on November 11th and the second one will be flown on the date USS *Cobia's* launch, November 28th. Each flag will be presented to the winner with a certificate of authenticity signed by Museum CEO Rolf Johnson and *Cobia* Curator Karen Duvall. Along with the flag and certificate, each winner will also receive thank you letters written by WWII *Cobia* crewmembers.

Membership drive sponsored by Unique Flying Objects.

Winners will be selected on December 1st, 2016.