



CRASH DIVE BASE Lake Bluff, IL



"To Honor Those Who Serve, Past, Present & Future"

July 2016 Volume 17, Issue 7

Lest We Forget — "The USSVI Submariner's Creed"

To perpetuate the memory of our shipmates who gave their lives in the pursuit of their duties while serving their country. That their dedication, deeds, and supreme sacrifice be a constant source of motivation toward greater accomplishments. Pledge loyalty and patriotism to the United States of America and its Constitution.

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News Brief

- 1. **Next Meeting**: At 1100, third Saturday of each month at the Knollwood Sportsman's Club. Mark your calendars for these upcoming dates:
 - a. JULY 16
 - b. August 20
 - c. September 17
- 2. Duty Cook Roster:
 - a. July Chris Gaines
 - b. August Ted Rotzoll
 - c. September SEE your name here!
- 3. **July Birthdays:** Ray Ratliff 4th; Paul Eory 14th; Cris Pascual 24th; Ed Para 18th; and Herman Mueller 31st. Happy Birthday, Shipmates!
- 4. Watch this newsletter for an announcement of a wonderful, two-part presentation on the foresight and impact of **Hyman G. Rickover**. Great Lakes Base Historian John Lindstedt has created an overview of the admiral's life and impact on national security, manufacturing, and engineering.
- 5. **USSVI National convention** information: http://www.ussviconvention.org/2016/
- 6. Combined **Picnic**: Hines VA Hospital Picnic Grounds **Saturday, August 13.** For RSVP, contact Clay Hill by August 10. See contact info on Page 9.

Crash Dive Meeting Minutes June 18, 2016

- 1) Attendees:
 - a) Glenn Barts
 - b) Larry Warnke
 - c) Gus Yakes
 - d) Clayton Hill
 - e) Janice Hill
 - f) Frank Voznak
 - g) Ron Spooner
 - h) Herman Mueller
 - i) Dick Anderson
 - j) Ed Dowling
 - k) Greg Miller
 - I) Frank Walter
 - m) Maurice Young
 - n) Peter Stephenson
 - o) Ted Rotzoll
 - p) Tom Polzin
- 2) Meeting was called to order by Clay Hill at 1106 followed by the Pledge of Allegiance, invocation, and a round of introductions.
- 3) Secretary's Report was given by Glenn Barts. Frank Waler moved to accept; Herman Mueller seconded; vote was unanimous.
- 4) Treasurer's Report given by Glenn Barts. Savings \$1,173.69; Checking \$3,274.40; Memorial Checking \$54,473.89; Memorial Savings \$5.00; Held by National \$25,790.00. Ed Dowling moved to accept; Tom Polzin seconded; vote was unanimous.
- 5) Committee Reports
 - a) Newsletter no news.
 - b) Membership gearing-up for the 2017 dues process.

- c) Charitable Service Getting ready for USO delivery to include pillowcases and toiletries. Will collect toiletries at each meeting.
- d) Community Outreach SubFest could use a few more volunteers.
- e) Hospitality Corn Roast August27. Larry Warnke has tickets.Great family fun.
- f) Webmaster SubFest flier is posted. Keep checking the Website.
- g) Storekeeper no news.
- h) Procedures SoP 1-5 are ready for signature and implementation.
- Eagle Scout Many Courts of Honor are keeping Ted Rotzoll busy and he is enjoying them.
- j) Memorial
 - i) Reviewed Candlelight bowl
 - ii) Wants Crash Dive to undertake and support more events for CSMF.
 - iii)Chicago Base needs help at Caribbean night at Tinley Park VFW July 17th from 12 to 7 PM.
 - i) Need to put more time into raising money.
 - ii) Met with CDOT; will move east of original site;
 - iii) Voted to reimburse for T-shirts purchased by Chicago base;
 - iv)Author Nancy Kinney gave us books to use in support of the memorial.
- 2) Old (Unfinished) Business
 - a) Base motto remains an open item pending suggestions from members.
 - b) Frank Voznak is leaning toward using our existing e-mail distribution to alert members

rather than an application that may require smartphone devices.

- 3) New Business
 - a) Dick Anderson saw a Vietnam lapel pin and he agreed to research it.
- 4) Good of the Order item:
 - a) Thanks to Frank Voznak for a nice meatball sandwich lunch.
 - b) Clay encourages each shipmate to join the WMM.
 - c) Duty Cook
 - i) July Chris Gaines
 - ii) August Ted Rotzoll.
 - iii)September SEE your name here.
 - d) RSVP meeting attendance plans to the duty cook.
 - e) Next Meeting is July 16, 2016 at KSC.
- Adjourn Tom Polzin moved to adjourn; Greg Miller seconded; Adjourned at 1220.

Lost Boats

USS S-28 (SS-133) 07/04/44 USS Robalo (SS-274) 07/26/44 USS Grunion (SS-216) 07/30/42

Incredible Suit Enables Submarine Escapes

Submitted by: Frank Voznak, Jr.

The SEIE suit is an ingenious pressurized suit designed to permit escape from stricken subs up to a depth of 183 meters. Rising at a speed of up to three meters per second, the number one rule of submarine escape is 'never ever hold your breath.'

Learn about it here:

http://www.chonday.com/Videos/subsuitesca4

Was This on YOUR Qual Card?

"Similarly, the boards with the single, large, round hole that were hung over the fore and aft edges of the ship were known as jardines to Columbus's men. It was a humorously nostalgic reminder that back home in Spain the family outhouse was generally in a fragrant garden rather than a plank hovering above a sea that sometimes rose up and drenched sailors' backsides (in England, to which Columbus had sailed in his youth, the ships' lavatories were known as beakheads because they were situated at the pointed forward end of the ship; in time this was shortened to "head")."

Excerpted from *The Last Voyage of* Columbus by Martin Dugard.

\$40 Million Navy Museum Proposed For North Chicago

CHICAGO TRIBUNE 08 JUN 16 -

The country's first-ever museum dedicated to enlisted sailors is looking to open in North Chicago in late 2018. The National Museum of the American Sailor Foundation is launching a campaign to raise \$40 million for a museum, which is targeted for the city's Sheridan Crossing project.

Ron Lanz, executive director for the foundation, said there are 10 other museums in the U.S. Navy system, but nothing is dedicated to the enlisted

sailor, a category that represents 271,000 sailors out of 400,000. An enlisted sailor is someone who has recently enrolled in the Navy and is typically 18, 19 or 20 years old. "They don't have a museum dedicated to them, and they are the ones that do all the really, really hard work," Lanz said. According to Lanz, officials with the Naval History and Heritage Command were rebranding the existing Great Lakes Naval Museum - which is located near the main gate to Naval Station Great Lakes - and realized they needed a new space to accommodate a modern museum facility of this scale. After previously working as North Chicago's director of economic development, he said he thought the 420,000-square-foot Sheridan Crossing Cultural, Hospitality and Entertainment District would be the perfect location for a museum to complement the other uses going on the property.

*The museum would also be across Sheridan Road from Great Lakes, which is the Navy's only recruit training command.

Paul Taylor, spokesperson for the Naval History and Heritage Command, said Great Lakes is known as the gateway to the Navy because every sailor attends boot camp there. "I'm a graduate of that program, and I could tell you that while the sailors may not enjoy every minute of their time while they're there, they look back to their time at Great Lakes as the place where it all began for them," he said. "I'm proud to be a part of the

naval history enterprise, and a lot of the stuff I learned about naval history I learned in that schoolhouse." Sailors spend nine weeks of basic training at the center, with nearly 1,000 men and women graduating each week. Maureen Riedy, president of the Lake County Illinois Convention and Visitors Bureau, said the bureau already works with the Navy Morale, Welfare and Recreation facilities to promote Lake County attractions to families that attend graduation ceremonies every weekend. "I think it'll be a huge addition, and we should be really honored they selected Lake County for this museum," she said. "It's going to raise the profile of the Navy here. The fact that it is part of the U.S. Naval museum system will help attract a national audience, especially Navy veterans who will want to come and see the museum." Additionally, the bureau works with Navy reunion groups and believes the museum will serve as an opportunity to bring more reunions to Lake County.

Planned exhibits will include traditional stands with artifacts and history readings, along with several hands-on interactive exhibits. Among the interactive features would be a docking team station where visitors will team together to steer, dock and moor a Navy destroyer and a damage control teambased activity where visitors will have to protect the ship from emergencies, such as an onboard explosion or repairing a leak. The proposed 40,000-square-foot museum would also feature a 4D theater and focus on showing how the modern

Navy works and how it compares to past decades.

After World War II, Abbott Laboratories donated hundreds of naval-oriented artwork pieces to the Department of Defense that have been sitting in a warehouse in Washington, D.C., unseen. The artwork is scheduled to be displayed in an Abbott Naval Art Gallery as part of a 19,000-piece exhibit, Lanz said.

Lanz added that the museum will reach out to larger corporations throughout the U.S. and nonprofit cultural-related museums in the metropolitan area for fundraising, along with military and Navy families either retiring or in active duty that have demonstrated commitment to the U.S. Navy over a long period of time.

Naval History and Heritage Command estimates the museum will draw anywhere from 375,000 to 450,000 visitors per year into the city of North Chicago, and the museum can generate sales tax dollars for the other uses of the property, such as the hotel, dining and retail establishments, Lanz said.

The Sheridan Crossing district is on the northwest corner of Sheridan Road and Martin Luther King Jr. Drive and is designed to include two hotels, a 10-screen movie theater, a bowling center, dining and retail stores. North Chicago donated 3.5 acres to the museum to build upon. "North Chicago has struggled for a long time to capture the benefits that are typically provided by

major assets like (Naval Station) Great Lakes, AbbVie Pharmaceuticals, Abbott or any other major institutions that are in their municipal boundaries," Lanz said. "This is finally a renaissance project for the city to show that the opportunities have always been in North Chicago. It's just been a matter of timing and finding the right project specifically and working with those other institutions to make it a reality."

Combined Submarine Veterans Picnic

Date: August 13 @ 1000 hours

Location; on the grounds of Hines VA Hospital. 5000 S. 5th Ave. Hines, IL. 60141. Enter off Roosevelt Rd. @ 5th Ave. South bound-to security gate and ask Guard for direction to "Pavilion".

Many family activities to enjoy!

Bring a White Elephant type gift wrapped in newspaper for the famous card game.

Freshly cooked Bar-B-Q favorites, chilled salads and more on the menu.

- USS Chicago Base providing main meal
- Crash Dive Base providing Beer and Water
- Any desserts or salads or condiments brought in will be appreciated

Please RSVP on/or before August 10, 2016 to Clay Hill; contact information on Page 9.

Manitowoc SubFest 2016

Submitted by: Greg Miller and Frank Voznak, Jr.

Subfest 2016 hosted by the City of Manitowoc, WI, July 8-10, was a festival to end all festivals. Centerpiece of the fest was USS Cobia (SS245) which is under the loving care of the Wisconsin Maritime Museum. Staff, as well as volunteers, have made Cobia one of the best-kept submarines in the country.

Subvets from all over converged in support of the event as well as to enjoy the festivities over the 3-day weekend. Bases represented included Crash Dive, Wisconsin, Great Lakes, USS Illinois, USS Chicago, Iowa, Peoria and probably others as well. A very touching Lost Boat Service was presented by Wisconsin Base and participating dignitaries included Crash Dive Base former Commander, Ed Potts, who came from Virginia along with his wife, Yvonne, and granddaughter, Kelsey. Good to see old friends again.

Other fest activities included excellent live entertainment, sub sandwich and "torpedo" eating contests, a dazzling water ski show, lighted boat parade, demonstrations of model submarines, fireworks, whistle-blowing engine starts, food booths, sidewalk sales, huge farmers' market, sightseeing tour boat, subvet-guided tours of the Cobia and more.

Crash Dive members Ed Dowling, Greg Miller, Herman Mueller, and Jon Stines, joined by USS Chicago V.C. Steve Benicke, all suffered bravely while presenting Cobia's finer points to visitors. Crash Dive Base's Commander Clay Hill and C.O.B. Larry Warnke were also on hand contributing to the festivities and all shared some not-too-spicy sea stories. Preliminary guesstimates are that well over 2,000 people toured the submarine over the weekend, a new record!

The Maritime Museum graciously permitted use of a space to promote the Chicago Submarine Memorial project to sell candy bars. Special thanks to subvettes Mary Miller, Jan Hill, Yvonne Potts, and Penny Dowling for standing watch and encouraging sales.

This hardly covers everything about Subfest, but in order to fully understand it, you had to be there. To those who participated, much thanks. For those who missed it, we hope to see you at Subfest 2017 the weekend after 4th of July in Manitowoc.

Subfest Ceremony Remembers Fallen Submariners

Julia Poe, USA Today Network (Wisconsin), July 10

MANITOWOC - The calm air over the Manitowoc River rippled with the rapport of the first seven gunshots of a 21-gun salute. The crowd assembled on the deck of the USS Cobia stood silently, hats held to their chests.

The salute was one of the final segments of the Tolling of the Boats ceremony Sunday, a memorial dedicated to honoring the rich history of submarines and the men who served on them throughout U.S. military history. One of the first events of the final day of Subfest, the ceremony took a more solemn tone than other events of the festival.

In his closing remarks, Wisconsin Maritime Museum CEO Rolf Johnson spoke to the importance of preserving the heritage and history behind the fun of Subfest.

"We want to make sure that at this Subfest and every Subfest after, we remember why we are here," Johnson said. "The Cobia is an icon of all those boats and the men who served and died on them. They must be remembered."

The ceremony began with the posting of the colors and several prayers and welcomes from members of the Wisconsin Submarine Veterans Base. The bell on the USS Cobia was then tolled once for each of the submarines lost at sea. The names of each of these boats were read out loud, along with the fate of the men who served on them. This ceremony was followed with a moment of silence, a 21-gun salute and the

placement of a wreath in the Manitowoc River to honor fallen soldiers.

Throughout the ceremony, the Capitol Civic Centre Community Chorale performed renditions of patriotic songs including "The Star-Spangled Banner," "God of Our Fathers," a "Navy Hymn" and "Taps." For their final song, "God Bless America," the chorale invited the gathered audience to join in the final chorus.

"I felt very honored and blessed to be a part of it," said Neysa Behnke, a member of the chorale. "It was a very beautiful ceremony."

The majority of the ceremony was led by Ron MacDonald, base commander of the Wisconsin Submarine Veterans Base, and other members of the base. Each member spoke of the importance of memorializing the lives lost at sea. More than 3,600 American submariners have died at sea, and more than 50 ships were lost in World War II alone, and MacDonald believes this aspect of the military is often forgotten.

"I'm glad to be able to do this,"
MacDonald said. "For [submariners],
much of what we did was out of sight and
out of mind. We're keeping the memory
lest we forget what was given and
sacrificed to be where we are today."

After the ceremony, MacDonald and other veterans scattered throughout the Cobia and the museum as audience members took tours of the submarine. For MacDonald, this was the most rewarding part of the ceremony, as veterans passed on their stories and experiences to a fascinated crowd.

They reminisced about weeks without showering or changing, beating out their socks every morning to soften them enough to pull them on. They spoke of the heat of the submarine, the claustrophobia of spending a little too much time in a little too close of quarters. They joked about modern submarine warfare, how it seems like a scene out of "Star Wars" compared with what they used to fight in.

MacDonald shared his own story, of entering the Navy as a seaman – the bottom of the food chain – and retiring a Navy Chief Warrant Officer 4, the fourth-highest warrant officer rank. He talked of five years at sea during the Cold War, how teach submarine was armed as if entering a war, unsure of whether the crew would return to a peaceful nation. He spoke with pride and dignity, proud of the time he spent on his ship and every day since that he has spent supporting fellow veterans.

Sunday's ceremony memorialized the fallen and the capsized. But it also gave time for the living to celebrate their service and their country. Each of the veterans was happy to do both, to honor the living and the dead, and to reminisce about the sacrifices they gave to their country.

"It's not free," MacDonald said.
"But if you put your nose to the grindstone, you can achieve. That's why this country is great. You can be whatever you want to be. If you strive to be better, you can be better. It takes sacrifice, it takes guts, but you can achieve."

Stealth and Armed to the Teeth: US Navy's Big Plan for Submarine Dominance

Dave Majumdar, National Interest, July 9

The United States Navy is moving swiftly to make sure that its submarines are not eclipsed by new threats such as Russia's new Project 885 Yasen-class attack boats. While the U.S. Navy has talked about its efforts to maintain its technological superiority over potential foes, the service's two top undersea warfare officers detailed their Acoustic Superiority Program at an event hosted by the Center for Strategic and International Studies on July 8.

"This is our response to the continued improvement in our peer competitors' submarine quality," Rear Adm. Michael Jabaley, the Navy's

program executive officer for submarines, said. "The Russians with the production of the Severodvinsk SSGN took a significant step forward in their acoustic ability. We want to maintain pace ahead of that. We never want to reach acoustic parity, we always want to be better than anything any other country is putting out there in the submarine domain."

The future USS South Dakota (SSN-790) will be the first acoustic superiority test submarine when she is delivered in late 2017. During her one-year post-shakedown availability (PSA) in 2018, South Dakota will receive some fairly significant modifications from the baseline Virginia-class submarine that are expected to be tested at sea starting in 2019 and running through 2020.

The modifications include new acoustical hull coatings, a series of machinery improvements inside the hull and the addition of two new large vertical sonar arrays—one on each side. The new sonar arrays "provide a significant advantage in the ability to detect other submarines before you yourself are in a position to be detected," Jabaley said. Meanwhile, the machinery improvements also promise some "significant return on investment."

Additionally, South Dakota will receive a new enhanced propulsor design, which is being added during construction. However, if the new propulsor design proves to be less than successful, the Navy plans to replace it during the boat's post-shakedown availability. "South Dakota will have an improved enhanced hybrid propulsor that we have developed with DARPA," Jabaley said. "It promises to present a significant acoustic advantage."

If the modifications trialed on South Dakota prove to be successful, then the technologies will be adopted for use on future Virginia-class boats as well as the future Ohio Replacement Program (ORP) ballistic missile submarines. "The lessons we learn, we will learn from her [South Dakota], will then drive what we install on future ships including Ohio Replacement and what we back-fit on existing Virginias," Jabaley said.

The new quieting technology should more than mitigate any signature increase on the planned Block V Virginiaclass submarines that will include the new Virginia Payload Module (VPM). The last 19 Virginia-class boats are all expected to carry the VPM missile tubes. After the last Virginia is built, the Navy expects to move onto a new attack submarine design.

But the U.S. Navy hasn't forgotten about emerging threats that some have argued could render submarines obsolete—but the service is not impressed by what it sees as overhyped fears. "We're not there yet, we're not really close—we're working on that just as hard as or harder than anyone else," Jabaley said. Nonetheless, the Navy has taken—and has always taken—a proactive view toward potential new threats.

Rear Adm. Charles Richard, the Navy's director of undersea warfare, said that the service has run a Submarine Security Technology Program (SSPT) for both its ballistic missile and attack submarines for decades. The idea behind the effort is to anticipate potential future threats in advance and counter them. "SSTP has been around for a long time," said Richard—who worked in that office 30 years ago. "It looks out into the future as far as 25 or 30 years—based on the physics—so it's physics based, intel informed—how could someone potentially attempt to detect a submarine and if we see something feasible, we start working on what we're going to do to counter that."

Richard added that the idea that submarines are going to be rendered obsolete reemerges every five to ten years as some new technology emerges. However, given the "brutal" physics of the undersea domain, most of those new technologies never quite live up to the hype. Thus, whether it was satellites in the

1980s or the current threat of big data and unmanned underwater vehicles, emerging new technologies will have to confront the harsh realities of the ocean environment. "Those challenges still remain," Richard said—adding that the undersea Navy is quite confident in its ability to both exploit new technologies for anti-submarine warfare and also to hide its submarines at sea.

The U.S. Navy has already started to work on next-generation submarine technologies including new seabed sensors, unmanned underwater vehicles, next-generation long-range torpedoes, anti-ship and land-attack cruise missiles and even submarine-launched anti-aircraft missiles, Richard said. But the Navy is also working on a next-generation Virginia-class replacement tentatively called SSN(X).

While the Navy has suggested previously that the SSN(X) will use technologies from late model Virginiaclass submarines and the ORP—such as a permanent magnet motor, Richard—when asked if the future boat might use a titanium hull—didn't rule it out. "The short answer to your question is yes, we are looking hard at in terms of concepts for the next attack submarine and so

between operational concepts and technologies, we're trying very hard to have nearly limitless thinking in terms of what is possible undersea while at the same time make sure we apply the rigor...to come to an analytically solid conclusion."

Meanwhile, Jabaley said that there is nothing to be done about the Navy's current attack submarine shortfall. The fleet currently stands at about 53, but it will drop below the 48-boat requirement—which the Navy admits is set too low—down to only 41 by 2029. The submarine shortfall can be mitigated somewhat by continuing to build two attack boats for the indefinite future. But with the current budgetary environment, the Navy is not likely to ever get the number of submarines it needs.

The Navy will need to increase submarine production if it wants to make up for the submarine deficit, but that will mean that Congress will have to increase the service's shipbuilding budget. "We reach a minimum of about 40 to 41 in the late '20s, early '30s before we start climbing back up out of that," Jabaley said. "This is not something we can we fix at this point—it's the result of decisions made long ago."

Crash Dive Base Contact Information

Commander – Clayton Hill, 195 Clover Lane, Cedarburg, WI 53012; 262-377-5332 (work number) or bisi@ameritech.net

Vice-Commander – Greg Miller, 964 Fischer Drive, Addison, IL; (630)543-7855 or fourkats4me@yahoo.com

Secretary (POC) – Chris Gaines, 513 West Downer Place, Aurora, IL 60506; 630-892-5718 or ccgaines@mindspring.com

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Newsletter Editor – Chris Gaines

Base Historian – Frank Voznak, Jr. 9 South 255 Madison, Burr Ridge, IL. 60527; 630 986-0175 franklin2@comcast.net



APPLICATION FOR MEMBERSHIP

| Pegular | П | l ifo | п | Associate | П |
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OUR CREED: "To perpetuate the memory of our shipmates who gave their lives in the pursuit of their duties while serving their country. That their dedication, deeds and supreme sacrifice be a constant source of motivation toward greater accomplishments. Pledge loyalty and patriotism to the United States of America & its Constitution."

With my signature below I affirm that I subscribe to the Creed of the United States Submarine Veterans, Inc., and agree to abide by the Constitution, all Bylaws, Regulations and Procedures governing the U.S. Submarine Veterans, Inc., so long as they do not conflict with my military or civil obligations. I will furnish proof of my eligibility for Regular membership, including my discharge under honorable conditions, and proof of my U.S. Navy (SS) Designation, if required by the Base or the national Membership Chairman. If I am not discharged, the discharge requirement is waived. If I am not U.S. N. submarine qualified, I am applying as an Associate and my sponsor is indicated below.

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| Your E-Mail Address | Base/Chapter Desired: | | | | | | | |
| The Member Dues year runs from J Nat'l Dues: 5 Yr term: \$115.00; 3 Y Nat'l Life: 76+ yrs = \$100.00; 66 thi Local Base/chapter defined How did you find USSVI? Friend | r term: \$70.00; 1 ru 75 yrs = \$200; ues are separate | yr term (Jan thru Se 56 thru 65 yrs = \$30 and additional. Cra | ep) \$25.00; (Oct thru De 0.00; 46 thru 55 = \$400 ash Dive Base dues are | ec adds the ne 0.00; Thru 45 y e \$15 annually | ext yr): \$30.00 rrs = \$ 500.00 | | | |
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| YR entered Mil Service: | YR left Mil S | Service (Ac | ive/Inactive reserve | time also co | unts.) | | | |
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Crash Dive Membership Chairman Tom Polzin, 12463 Foxtail Ln, Huntley, IL 60142; Cell 847/867-8668 Fax 847/669-2444