



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

May 2015

Volume 16, Issue 05

**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. MAY 16
 - b. JUNE 20
 - c. JULY 18
2. **Duty Cook Roster:**
 - a. MAY – FRANK VOZNAK, JR.
 - b. JUNE – SEE YOUR NAME HERE
 - c. JULY – SEE YOUR NAME HERE
3. **May Birthdays:** Clay Hill 2nd; Ed Potts 12th; Gus Yakes 16th; Brian Dawson 20th; Stephan Robich 22nd; Larry Warnke 28th. Happy Birthday Shipmates!
4. We were enormously disappointed to cancel the April 11 birthday fundraiser due to poor registration. Crash Dive paid penalties totaling \$1150 as a result.
5. **SubFest** at the Wisconsin Maritime Museum in Manitowoc coming up July 10-12. The WMM staff eagerly seeks sub sailors to participate and enjoy. See www.wisconsinmaritime.org for more information.
6. **Picnic** sponsored by USS Chicago and Crash Dive Bases to support our SVWWII shipmates is scheduled for August 8, 2015 at the picnic pavilion on the grounds of the Hines VA Hospital (same site as in previous years). Mark your calendars.

Crash Dive Meeting Minutes April 18, 2015

1. Attendees:
 - a. Frank Voznak, Jr.
 - b. Clay Hill
 - c. Herman Mueller
 - d. Ted Rotzoll
 - e. Ron Spooner
 - f. Cris Pascual
 - g. Greg Miller
 - h. Larry Warnke
 - i. Ray Ratliff
 - j. Glenn Barts, Sr.
 - k. Gus Yakes
 - l. Tom Polzin
 - m. Dick Anderson
 - n. Ed Dowling
2. Meeting was called to order by Clay Hill at 1110 followed by the Pledge of Allegiance, and a round of introductions.
3. Secretary's Report was not given due to the secretary's absence.
4. Treasurer's Report given by Glenn Barts. Savings \$1173.69; Checking \$2,928.30 ; Memorial Checking \$25,928.80; Memorial Savings \$5.00; Held by National \$5,240.00. Herman Mueller moved to accept; Ron Spooner seconded; vote was unanimous.
5. Committee Reports
 - a. Newsletter – no news
 - b. Membership – Retired CDR Bob Koonce joined the Base.
 - c. Charitable Service – Need items for the USO, especially pillowcases.
 - d. Community Outreach – Cobia working party attracted a few

- shipmates; hoping for more hands for the next one.
- e. Hospitality – No news.
- f. Webmaster – check the site from time to time for updates.
- g. Storekeeper – No news.
- h. Procedures – No progress.
- i. Eagle Scout – Two presentations tomorrow and four more coming up. Brought Silver Dolphin Plaque given to him by Russ Bethley's Wife. Can use it for a silent auction, etc.
- j. Memorial –
 - i. Vic Van Horn replaced Steve Benicke on the Memorial Committee.
 - ii. Will apply for State of Illinois Department of Commerce and Economic Opportunity's Tourism Marketing Partnership Grant Program matching grant on May 1.
 - iii. Paving bricks do not seem viable for our Memorial.
 - iv. Awaiting permission from the City to erect a sign on the proposed site.
 - v. Greg Miller offered to check with the USO regarding distributing our brochures.
 - vi. Glenn Barts will check with Great Lakes about putting out tables at the Exchange/ Commissary to sell our books and chocolate candy as a fund raiser.
 - vii. Herman Mueller will explore creating a Facebook page.

- k. Banquet –
 - i. Survey recommendations following last year’s Ball were implemented. Subsequent participation for this year’s event fell far short of break-even (28 versus 50). The event was cancelled.
 - ii. Cancellation penalties cost the Base \$1150. These penalties were paid from Crash Dive funds, not from Memorial funds.
 - iii. Members who registered were gracious and understanding regarding the cancellation.
 - iv. Several shipmates donated their registration fees to the Memorial. There also were several shipmates who made direct donations to the Memorial.
- 6. Old Business
 - a. None.
- 7. New Business
 - a. None.
- 8. Good of the Order item:
 - a. SVWWII picnic will be August 8, 2015.
 - b. Duty Cook
 - i. May – Frank Voznak, Jr.
 - ii. June – See your name here.
 - iii. July – See your name here.
- 9. Herman Mueller moved to adjourn, Tom Polzin seconded; vote was unanimous. Adjourned at 1248.

Lost Boats

| | | |
|-----------------|---------|---------|
| USS Lagarto | SS 371 | 5/ 3/45 |
| USS Scorpion | SSN 589 | 5/22/68 |
| USS Squalus | SS 192 | 5/23/39 |
| USS Stickleback | SS 415 | 5/30/58 |

Navy and DARPA developing new submarine-hunting drone ship

ATLANTA (CNN) — Silently moving deep beneath the ocean’s surface, combat submarines can employ the element of surprise to carry out devastating attacks on naval fleets and land targets.

For decades, the U.S. military has maintained its dominance in the depths of the world’s oceans by boasting the most technologically advanced submarine fleet.

However, officials say China and other nations are rapidly expanding the size and scope of their own submarine forces. And, according to a report by the Center for Strategic and Budgetary Assessments, the U.S. must rethink the role of manned submarines and prioritize new underwater detection techniques.

“We know they are out experimenting and looking at operating, and clearly want to be in this world of advanced submarines,” Vice Adm. Joseph Mulloy told the House Armed Services Committee’s sea power subcommittee in February.

Mulloy, who is deputy chief of naval operations for capabilities and resources, says Chinese submarines are still technologically inferior to those used by the

United States, but that margin of difference is shrinking.

Concern that China could match U.S. underwater capabilities in the near future has encouraged the development of an unmanned drone ship to independently track enemy ultra-quiet diesel electric submarines over thousands of miles to limit their tactical capacity for surprise.

Initiated by a Pentagon research group called the Defense Advanced Research Projects Agency (DARPA), the Anti-Submarine Warfare Continuous Trail Vessel (ACTUV) would be able to operate under with little supervisory control but also as remotely controlled or piloted vessels, depending on the circumstances of specific missions.

“We’re looking for test-ready, multi-sensor approaches that push the boundaries of today’s automated sensing systems for unmanned surface vessels,” said Scott Littlefield, DARPA program manager. “Enhancing the ability of these kinds of vessels to sense their environment in all weather and traffic conditions, day or night, would significantly advance our ability to conduct a range of military missions.”

DARPA says the so-called drone ships will be 132 feet long and likely cost about \$20 million, significantly less than the billion-dollar manned warships currently in use.

The development of the ACTUV aligns with the “culture change” described by Navy Secretary Ray Mabus Tuesday at the Navy League’s Sea Air Space symposium at National Harbor, Maryland.

“Unmanned systems, particularly autonomous ones, have to be the new

normal in ever-increasing areas,” Maybus said.

Maybus said new staff will be put into place to help streamline, coordinate and champion unmanned systems in “all domains.”

An ACTUV prototype vessel is already in production and, if testing is successful, the Navy could move to the next phase of development by 2018.

Lessons from a high-def periscope

Op-ed: Function is key to new defense innovation push

From: http://www.raytheon.com/news/feature/navy_innovation.html



The Virginia-class submarine USS Texas departs Joint Base Pearl Harbor-Hickam for a deployment. Virginia-class submarines have no traditional periscopes, instead using a system of high-definition cameras and other sensors that stream data to an array of LCD screens. (U.S. Navy photo)

Editor's note: The U.S. Naval Institute and Armed Forces Communications and Electronics Association International published the following column by retired U.S. Navy Vice Adm. Richard W. Hunt as part of the 2015 WEST Conference in San Diego. Hunt is the vice president for Navy and Marine Corps Programs at Raytheon.

A few years ago I visited one of the Navy's new Virginia-class submarines, and something about it really struck me: There was no periscope. At least not the kind we're used to seeing, where you have to hunch over, wrap your arms around the controls and rotate in a circle to see the surface in 360 degrees.

What it had instead was a photonics mast – a cluster of high-definition cameras and other sensors that streamed data to an array of LCD screens, giving the captain and crew a much clearer and more complete view of the world above than the traditional periscope could possibly produce.

Think about that. They built a better periscope not by thinking about what form it should take, but rather by concentrating on what it should do. They took something every submarine needs – the ability to know what's happening overhead – and applied advanced imaging technology to develop a new way to do it.

It's an example of what can happen when our military and industry approach engineering as a series of problems to solve, rather than a checklist of things to build. And that's the kind of thinking that will keep us ahead in an era when defense budgets are tight, demand is high and threats are multiplying and evolving around the globe.

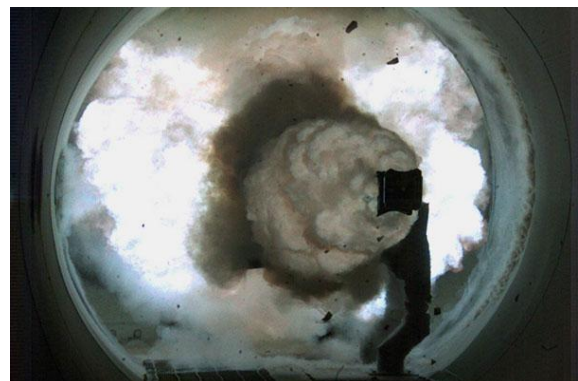
Last month, Secretary of the Navy Ray Mabus announced a task force to develop an innovation agenda for the Navy and Marine Corps. They're working to attract and retain creative thinkers, to see that the Navy is making the best strategic use of the enormous amount of data it produces, and

to ensure new technologies get to the fleet quickly and without obstruction.

The Navy's commitment to innovation is encouraging, particularly at a time when directed-energy technologies – tools we've only dreamed about using in the field – are finally getting ready to break out of the R&D lab.

Lasers, which we've been talking about for decades, are at a tipping point. We no longer have to think of them strictly in terms of guidance tools for weapons systems. We're now testing them as weapons in their own right – weapons with a cheap and nearly inexhaustible supply of ammunition. Raytheon is developing a Humvee-mounted laser for the U.S. Marine Corps and has already demonstrated a separate laser weapon that shot down four unmanned aerial vehicles.

Railguns, another one of those weapons of the future, are also on their way. The Navy announced last year that it will install and test a prototype electromagnetic railgun on a joint high-speed vessel sometime in fiscal year 2016. Its round will move so fast that it will not require a high-explosive payload.



A U.S. Navy railgun fires a projectile during a test. Railguns are high-speed, long-range weapons that use electricity rather than gunpowder or rocket motors. (U.S. Navy photo)

Then there's cyber warfare. I see a lot of emphasis on offense – shutting down the enemy's systems, doing battle without inflicting permanent damage. I'm more focused on defense – protecting our systems against exactly those same kinds of devastating attacks. I'm particularly proud of the work Raytheon did on the Navy's new Zumwalt-class destroyer, designing a cybersecurity system so resilient and redundant we call it the "black core."

There's a common thread running through this technology and the Navy's effort to develop more: It all breaks from traditional wisdom and frees us to achieve the stuff of science fiction.

Innovation is exciting. It gives us periscopes that don't look like periscopes. It lets us harness the power of things we can't even see to do things we never imagined. When we work in terms of what we want to accomplish, rather than prescribe what we think we need, only then do we begin to embrace the art of the possible.

Nuclear Sub Cooks Get High-End Chef Tips

Eddie Arruza, *Chicago Tonight*, Apr 1

U.S. Navy Culinary Specialists, 28-year-old Joseph White and 30-year-old Evan Melton, have spent their military careers cooking for hungry shipmates, mostly in the cramped quarters of submarines. But, for a few days recently, they spent time in the relatively open kitchen space at the Union League Club of Chicago working with its Executive Chef, Michael Garbin. The goal: to learn some new recipes focusing on healthy foods and a more enticing presentation of the dishes they serve.

With navy submarines sometimes spending months at sea and underwater,

the three meals crew members get per day are frequently the highlight of their day. The sub's culinary specialists are also the chefs who prepare the food when VIPs come aboard the vessels--usually in foreign ports--and are tasked with impressing the guests.

We follow Chef Garbin and his two Navy men during one cooking session at the Union League Club and see firsthand some of the new dishes and skills the men will serve up on the Navy's soon-to-be christened nuclear submarine, the USS Illinois, which has First Lady Michelle Obama as its sponsor.

Watch the program here:

<http://chicagotonight.wttw.com/2015/04/01/nuclear-sub-cooks-get-high-end-chef-tips>

USS Illinois Submarine Presented At IVY Club

Staff, *CI News Now*, Mar 31

The state now shares its namesake with a U.S. Navy submarine.

The USS Illinois was presented to a group at the IVY Club Tuesday.

The Illinois is part of a new submarine class that's phasing out older ones.

The sub has many functions and can be used in peacetime and war.

"We can get wherever we want and no one ever knows we're there, so it doesn't bother anybody by our presence, yet we're still there and still capable of delivering SEALs, of conducting strike operations, of collecting intelligence," said David C. DiPietro, Chief of the Boat.

The USS Illinois will launch by the end of the year.

Russian Nuclear Submarine Catches Fire in Shipyard

Reuters, April 7, 2015
By Thomas Grove

MOSCOW, April 7 (Reuters) - Firefighters have put out a blaze on a nuclear submarine which was undergoing repairs at a shipyard in Russia's northern province of Arkhangelsk on Tuesday.

There were no weapons on board, the vessel's nuclear reactor had been shut down prior to the blaze and nobody was hurt, said the state-owned United Shipbuilding Corporation which runs the Zvyozdochka shipyard where the 155-meter (500 ft) 949 Antei submarine was being repaired.

"There is no threat of environmental or radioactive contamination as the result of the incident," it said. The dry dock where the vessel had been repaired was flooded with water to help put out the blaze.

A source told TASS news agency that the active zone of the reactor had been unloaded at the start of repairs a few years ago.

The fire started near the stern during welding work that caused insulation materials to catch fire.

A blaze in 2011 nearly led to a nuclear disaster as it engulfed a nuclear-powered submarine carrying atomic weapons, a leading Russian magazine reported months later, contradicting official assurances that it was not armed.

In August 2000, during his first term as president, Vladimir Putin faced criticism for not acting quickly over the sinking of a nuclear-powered submarine on which all 118 people aboard died.

(Reporting by Thomas Grove; Additional reporting by Polina Devitt; Editing by Timothy Heritage and Robin Pomeroy)

US to Help Taiwan Build Attack Submarines

By Zachary Keck, April 15, 2014

The U.S. has agreed to help Taiwan build its own diesel-electric attack submarines (SSKs), Taiwan's defense chief told parliament on Monday.

During testimony to the Legislature's Foreign Affairs and National Defense Committee on Monday, Defense Minister Yen Ming told [lawmakers that the U.S.](#) "is willing to help us build the submarines together." He added that Taiwan would continue to push the U.S. and other countries to sell it eight diesel-electric submarine.

Back in 2001, the U.S. under President George W. Bush agreed to sell Taiwan eight submarines to help it defend itself against China's growing military power. Negotiations were slow at first due to financial constraints and domestic politics in Taiwan. Then, the U.S. stopped producing non-nuclear powered submarines. Finding a third country to produce the submarines has proved difficult due to China's fierce opposition.

Defense Minister Yen's confirmation comes just days after Taiwanese [President Ma Ying-jeou told a U.S. think tank](#) that Taiwan was pushing for foreign help in constructing

its own submarines. Speaking by video to the Center for Strategic and International Studies last Wednesday, President Ma said: "There seems to be a consensus in Taiwan that we should seek foreign technology to help us build (the submarines) ourselves."

Building eight diesel-electric submarines would greatly enhance Taiwan's underseas capabilities against China. As Wu Shang-su [wrote on *The Diplomat* last month](#), "After losing the opportunity to procure SSKs from the U.S. in the 2000s, an insufficient number of SSKs has been a major strategic flaw in Taiwan's deterrence strategy. Its two Guppy II Class SSKs, of World War II vintage, are for training only, leaving two Dutch Zwaardvis Class vessels obtained in the mid-1980s as its only operational assets."

This is crucial because anti-submarine warfare (ASW) is generally thought to be a weak spot for the People Liberation Army (although [some foreign defense analysts now doubt this](#)). Thus, the eight submarines could be essential to Taiwan's ability to fend off an invasion from mainland forces, especially [in light of China's rapidly growing air and missile defense systems](#).

Acquiring the ability build submarines domestically would also ensure that Taiwan could continue fielding a potent submarine fleet despite growing pressure from China on the U.S. and others to not sell Taiwan military capabilities. Indeed, this is almost certainly a primary motivation behind Washington's willingness to help Taiwanese shipbuilders acquire the expertise to build submarines.

Other countries like South Korea and Israel have relied on German technological

assistance to acquire the expertise to build SSKs domestically.

Also on Monday, Defense Minister Yen told lawmakers that Taiwan was only interested in purchasing two Oliver Hazard Perry-class guided missile frigates from the United States. "The government originally requested to buy more than four of the warships from the U.S.," [Yen told lawmakers on Monday](#). "However, we have now decided that we only need two for the time being after a review of the procurement plan."

In honor of the 35th anniversary of the Taiwan Relations Act, earlier this month the U.S. House of Representatives passed the [Taiwan Relations Act Affirmation and Naval Vessel Transfer Act of 2014](#). As part of that act, which still needs the approval of the U.S. Senate and the signature of President Barack Obama, the U.S. would agree [to sell Taiwan four of the guided missile frigates](#). Many in Taiwan have expressed opposition to the potential deal, citing the advanced age of the frigates and the fact that purchasing the vessels would constrain the military's ability to purchase domestically made weapons.

<http://thediplomat.com/2014/04/us-to-help-taiwan-build-attack-submarines/>

Don't Mess With Seniors

They always ask at the doctor's office why you are there, and you have to answer in front of others what is wrong and sometimes it is embarrassing.

There is nothing worse than a Doctor's Receptionist who insists you tell her what is wrong with you in a room full of other patients. I know most of us have

experienced this, and I love the way this old guy handled it.

A 65-year-old man walked into a crowded waiting room and approached the desk. The Receptionist said, 'Yes sir, what are you seeing the Doctor for today?'

'There's something wrong with my dick', he replied.

The receptionist became irritated and said, 'You shouldn't come into a crowded waiting room and say things like that.'

'Why not, you asked me what was wrong and I told you,' he said.

The Receptionist replied; 'Now you've caused some embarrassment in this room full of people. You should have said there is something wrong with your ear or something and discussed the problem further with the Doctor in private.'

The man replied, 'You shouldn't ask people questions in a roomful of strangers, if the answer could embarrass anyone. The man walked out, waited several minutes, and then re-entered.

The Receptionist smiled smugly and asked, 'Yes??'

There's something wrong with my ear,' he stated.

The Receptionist nodded approvingly and smiled, knowing he had taken her advice. 'And what is wrong with your ear, Sir?'

'I can't piss out of it,' he replied.

The waiting room erupted in laughter...

Mess with seniors, and you're going to lose.

Crash Dive Base Contact Information

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

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

Treasurer – Glenn C. Barts, Sr., 2000 Jamestown Drive, Palatine, IL 60074; 847-934-7418; gcbarts@msn.com

COB – Larry Warnke, l_warnke@msn.com

Chaplain – Cris Pascual; crispases@aol.com; 285 Southridge, Gurnee, IL 60031; 847-855-0772

Membership – Tom Polzin, 12463 Foxtail Lane, Huntley, IL 60142; (v) 847-867-8668; (f) 847-669-2444; tapolzin@aol.com

Storekeeper – Herman Mueller, 503 Lynn Terrace, Waukegan, IL 60085; 847-445-5034; hermanandlorimueller@comcast.net

Newsletter Editor – Chris Gaines

Base Historian – Frank Voznak, Jr.



APPLICATION FOR MEMBERSHIP

Regular Life Associate

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.

- I certify that I was designated qualified in USN Submarines aboard _____ in _____ (Yr)
(Honorary designations regardless of source do not apply under any circumstances.)
- I certify that I received a discharge under Honorable Conditions (if not currently in military service) in _____ (Yr)

Name: (Print /Type) _____ **Address:** _____

City: _____ **State:** _____ **Zip Code:** _____ - _____ **Tel:** (_____) _____ - _____

Signature: _____ **Date:** _____ / _____ / _____

Your E-Mail Address _____ **Base/Chapter Desired:** _____

The Member Dues year runs from Jan 1st thru Dec 31st. Please indicate your term preference: _____
 Nat'l Dues: 5 Yr term: \$ 90.00; 3 Yr term: \$ 55.00; 1 yr term (Jan thru Sep) \$ 20.00; (Oct thru Dec adds the next yr): \$ 25.00
 Nat'l Life: 76+ yrs = \$100.00; 66 thru 75 yrs = \$200; 56 thru 65 yrs = \$ 300.00; 46 thru 55 = \$400.00; Thru 45 yrs = \$ 500.00
 Local Base/chapter dues are separate and additional. Crash Dive Base dues are \$15 annually.

How did you find USSVI? Friend, Boat Assn, Local Event/News, Internet, Other (_____)

YOUR U.S. NAVY BIOGRAPHICAL DATA

Date Of Birth (MM/DD/YY) ____/____/____ **If other military service, What Branch?** _____

Highest Rate & Rank Attained: _____ **Mil Retired (Y/N):** _____ **On Active Duty? (Y/N):** _____

YR entered Mil Service: _____ **YR left Mil Service** _____ (Active/Inactive reserve time also counts.)

Check here if your Military Service falls within these time periods: Dec 7, 1941, thru Dec 31, 1946; June 27, 1950, thru Jan 31, 1955; Aug 5, 1964, thru May 7,1975; and Aug 2, 1990 to date.

Check here if you have been awarded an Expeditionary Medal

Submarines and ships served aboard as ship's company (Use back if you need more space.)

1. _____ **Hull#** _____ **From Yr.** _____ **to Yr.** _____

2. _____ **Hull#** _____ **From Yr.** _____ **to Yr.** _____

3. _____ **Hull#** _____ **From Yr.** _____ **to Yr.** _____

4. _____ **Hull#** _____ **From Yr.** _____ **to Yr.** _____

Next of Kin: Name: _____ **Relationship:** _____ (Spouse, Partner, Son, Dau, Parent, Other)

Addr: _____ **City:** _____ **State:** _____ **Zip:** _____ **Tel:** _____

(Leave this address line blank if the same as your home address)

Upon completion, give this form, including your National and Base membership dues to the appropriate base officer, or mail to: Crash Dive Membership Chairman Tom Polzin, 12463 Foxtail Ln, Huntley, IL 60142; Cell 847/867-8668 Fax 847/669-2444