



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

August 2022

Volume 23, Issue 08

**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. **August 20**
  - b. **September 17**
  - c. **October 15**
2. **Duty Cook Roster:**
  - a. August – Chris Gaines
  - b. September – Bret Zacher
  - c. October – Maurice Young
3. **August Birthdays:** Dick Anderson 4<sup>th</sup>; Frank Walter 25<sup>th</sup>. Happy Birthday, Shipmates.
4. Read about **personal submarines** here:  
[https://www.maritimemanual.com/personal-submarines/#1\\_Phoenix\\_1000](https://www.maritimemanual.com/personal-submarines/#1_Phoenix_1000)
5. You can get ahead of the curve and send **your 2023 dues** to Bret Zacher. See page 9 for his contact information.



- 6) Old Business
  - a) Chicago WWII Memorial
    - i) Bret is pursuing paver costs, advertising and promotion. City requires formal agreements with providers. It may be challenging to meet a timeline for Veteran's Day. To date, three people have expressed interest even in the absence of advertising.
  - b) Lutheran K-9 Ministry
    - i) Brutus and Gene Weisberger attended our last meeting.
  - c) Cobia Drydocking
    - i) Working party was pretty good.
    - ii) Scheduling another for deck replacement and painting event. Waiting for Greg Miller to finalize the date.
  - d) USS WISCONSIN
    - i) Inflatable model was not obvious at SubFest.
  - e) New Old Website
    - i) No launch date yet.
- 7) New Business
  - a) SubFest was scaled down this year.
  - b) Tom Polzin, Frank Voznak, Ted Rotzoll, Chris Gaines and Bret Zacher will attend the service for Bob Krautstrunk. Uniform is shirt, tie, vest, dark trousers, ballcap. Family is holding a prayer service at 1600; we will meet at 1500 for our presentation; arrive by 1445.
- 8) Good of the Order
  - a) Duty Cook
    - i) August – Chris Gaines
    - ii) September – Bret Zacher

- iii) October – Maurice Young
  - iv) November – Herman Mueller
- b) 786 Club
  - i) Spectacularly successful visit. A member funded a dinner with representatives from all submarines and submarine commands that was delightful. Luau with professional entertainers for the crew and spouses of the ILLINOIS. Picnic for the crew and spouses and children of the crew. Triad dinner with CO/XO/COB and spouses on Monday. Tour of the boat on Monday. Excellent relationship with Triad, Family Resource Group, Commodore, and MWR. All activities were held on Hickam and MWR provided outstanding food for all three events.
  - ii) RDML Marty Muckian, Undersea Warfighting Development Center, was our speaker at our July 8 luncheon.
  - iii) Next meeting in early November with ComSubPac RDML Jeffrey Jablon.

9) Adjourn at 1211.

## Lost Boats

USS BULLHEAD SS 332 8/6/45  
 USS FLIER SS 250 8/13/44  
 USS S-39 SS 144 8/14/42  
 USS HARDER SS 257 8/24/44  
 USS COCHINO SS 345 8/26/49  
 USS POMPANO SS 181 8/29/43

## Eternal Patrol Notice



Robert Paul Krautstrunk, 97, passed away on Tuesday, July 12, 2022 at Captain James A Lovell Federal Health Center. He was born on September 18, 1924 to Paul and Florence (Steinman) Krautstrunk.

Robert was a proud Navy veteran who served in WWII. He was a submariner vet, and was on the crew of the USS Requin, which is now on display in Pittsburgh. Robert was very proud of his service, and served as the president of the Illinois branch of the WWII Submarine Veterans, and won the Illinois Veteran of the Month.

He was married to his wife, Ruth Mathiesen, for 70 years before her passing in 2016. The two met at age five, and would often make faces at each other through the windows of their respective homes. The couple raised two children together, Kent and Gale. Robert loved his family very much, and enjoyed spending summers with them in Lake Mills, WI.

After the passing of Ruth, Robert moved to Lake Barrington Woods, where he became very involved in the community. He started a Wii league called "Bob's Bowling Babes," and he started Pinochle and Poker Clubs. Every year, he took up a collection for the staff of Lake Barrington Woods and would give it to them for Christmas. Robert also shared his gift of generosity by volunteering for Habitat for Humanity, Meals on Wheels, PADS, and at various hospitals and food banks. He was also the owner of Cary's Finer Foods in Cary, IL. In his free time, Robert also liked bowling and fishing, as well as rooting for BOTH Chicago baseball teams! He will be remembered for being a family man with a big heart, and will be missed by many.

Robert is survived by his daughter, Gale (Robert) Burke; grandchildren, Joel Sill, Morgan Krautstrunk, Paul Krautstrunk, Stephanie (Brad) Kobylarz, Kelly (Derek) Suchor, and Alex (Consuelo) Krautstrunk; five great-grandchildren; and his nieces and nephews, Larry (Denise) Vana, Karen (Ted) Sherga, and Chuck (Tracey) Vana. He was preceded in death by his wife, Ruth; son, Kent; his sister, Virginia; and his parents.

A Visitation will be held on Sunday, July 31, 2022 at Matz Mt. Prospect Funeral Chapel, 410 E Rand Road, Mt. Prospect, from 12-4pm with a service at 4pm. Inurnment will be held privately. In lieu of flowers, memorial donations may be made to St. Jude Children's Hospital, [https://www.stjude.org/donate/donate-to-st-jude.html?sc\\_icid=header-btn-donate-now](https://www.stjude.org/donate/donate-to-st-jude.html?sc_icid=header-btn-donate-now).

Sailor, Rest Your Oar

## China unleashes newest attack submarine off Taiwan coast

It's an area where Australia falls embarrassingly behind – and now China has stationed its latest attack submarine off Taiwan.

<https://www.news.com.au/>  
August 15, 2022 - 9:38AM



China's latest submarine design has been built and is ready for action. Picture: Weibo.

As with all of [China's military](#), the submarine force is undergoing rapid expansion and upgrade. But Beijing is putting particular emphasis on smaller, diesel-electric designs most suited to operating in the shallower waters of the East and South China Seas.

According to a recent Brookings Institution think-tank report, that fits with one possible future conflict scenario – a blockade of Taiwan's ports.

Beijing may hope to starve the independent island democracy into submission, and force it to accept Communist Party rule.

“To minimise China's own vulnerabilities and deny Taiwan good options for an immediate response, PLA attack submarines, rather than surface ships or aircraft, might be the principal

assets employed,” [writes strategic analyst Michael O'Hanlon](#).

And minimising risk appears to be what the new Chinese submarine is all about.

It has a distinctive new conning tower (or sail). Instead of being streamlined to improve water flow like most other designs, it's angular and faceted. This suggests a new radar or sonar deflection technology to reduce the threat of being detected.



And that means the new submarine can likely operate for extended periods and closer to hostile opponents.

### Silent service

“Its exact designation is not known (China does not feel the need to tell us!)” says Mr Sutton. “But Western analysts believe that it is the Type-039C or -D.”

And unlike Australia's submarine program, the design, development and construction of this new type has proceeded at pace.

“It has now been commissioned as an operational boat, just over a year after launch. This is very fast for a new class of submarine,” he adds.

Part of the reason for this is that it represents an evolution – not a revolution – in China's submarine design.

It appears based on the Type-039 (Yuan class) hull that first entered service in 1998. Chinese state-controlled media reports the new version represents a significant upgrade over the original.

“This type was equipped with more than 60 per cent of newly researched and improved equipment and underwent system reconfiguration,” Wuchang Shipbuilding yard deputy director Xie Rui reportedly said.



The new submarine’s design has a distinct design. Picture: Weibo.

The most obvious element is the shape of its sail.

It houses periscopes, radars, communications arrays and sensors. In diesel-electric submarines, it also contains an exhaust pipe and a “snorkel” to bring air to the engine.

This need to recharge batteries is a severe danger to such an otherwise small, silent submarine. Surveillance aircraft – such as the Australian P-8 Poseidon dangerously intercepted by a Chinese fighter over the South China Sea earlier this year – can spot it with radar long before it can spot them.

Nuclear-powered submarines, such as those Australia now hopes to receive in the 2040s, don’t suffer this risk.

A stealthy sail, however, would allow the Type 39C/D to leave port and travel the

hundreds of miles to its destination surfaced with less of a chance of being detected, Mr Sutton concludes.

“Overall, China retains a numerical and technological edge in submarines. This new design adds to this, showing that China is continuing to evolve and improve its non-nuclear boats.”

## War plan

China has the world’s largest fleet of diesel-electric submarines. Many are fitted with air-independent chemical packages that allow the diesel engines to run for a time while still deep under water.

Whether the new 79-metre-long submarine utilises these bulky systems or relies on the much-improved capacity of modern lithium-ion batteries (or both) remains unknown.

Mr Sutton says it is now working alongside older Yuan class boats out of the Daxie Dao Submarine Base closest to Taiwan.



The Swedish A-26 Blekinge Class also features an angled sail. The similarities are only superficial however and while it may have been an influence, it is hardly a copy. Photo Saab.

That means they can get to their intended area of operation as quickly and efficiently as possible.

“China would use its attack submarines as the main lethal instrument of a

blockade, targeting ships going in and out of Taiwan's ports with torpedoes and anti-ship missiles," predicts Mr O'Hanlon. "Taiwan would be very hard pressed to challenge these Chinese submarine operations, unlike a situation in which China uses surface ships or aircraft."

Beijing would also see the scenario as attractive.

It won't put "loyal" Chinese citizens at risk. Embarrassing incidents involving foreign civilians would be avoided. And visible evidence of any losses and failure is greatly reduced.

"The United States and Taiwan would presumably respond with a large-scale convoy escort operation, plus an anti-submarine warfare campaign," Mr O'Hanlon adds. This would almost certainly be forced to operate in a narrow corridor to the east of Taiwan, where deep water and distance make submarine operations more difficult.

"China wins if it destroys enough ships that the allies run out of replacements and can no longer maintain the necessary length of the pickets; the allies win if and when they sink all of China's submarines," he concludes.

*Jamie Seidel is a freelance writer /  
[@JamieSeidel](#)*

## Australian Defense Minister: AUKUS Subs a Huge Project to 'Pull Off'

<https://seapowermagazine.org/australian-defense-minister-aukus-subs-a-huge-project-to-pull-off/>

Posted on [July 11, 2022](#) by [Richard R. Burgess, Senior Editor](#)



The Virginia-class submarine USS Vermont (SSN 792) transits the Thames River while conducting routine operations in 2020. The AUKUS agreement with Australia would provide the country nuclear submarine capability. *U.S. NAVY / Petty Officer 3rd Class Christian Bianchi*

WASHINGTON — The new Australian government said it has no illusions of the immensity of the AUKUS plan to build nuclear-powered submarines and the effort required to make it come to pass.

Last September, Australia, the United States and the United Kingdom announced an agreement — AUKUS — to develop a nuclear-powered submarine capability for Australia.

"It will be a huge national project to pull this off," said Richard Marples MP, minister of defense and deputy prime minister of Australia, speaking July 11 at the Center for Strategic and International Studies, a Washington think tank. Marples was in Washington for a meeting with U.S. Defense secretary Lloyd Austin.

"For a three-ocean nation, the heart of deterrence is undersea capability," Marples said. "AUKUS will not only make Australia safer, it will make Australia a more potent and capable partner than the United States and the United

Kingdom have agreed to work with Australia to meet our needs is not only a game changer, it illustrates why alliances help reinforce, not undermine, our country's national sovereignty. And I want to recognize the Biden administration and the strong support in Congress for helping bring this agreement to life.

"In determining the optimal pathway forward, the Australian government is acutely aware of the obligations of nuclear stewardship," he said. "We are focused on the whole enterprise. Safely stewarding sensitive technology, building the workforce and industrial capacity to support the capability, and ensuring that this initiative sets the strongest possible non-proliferation standards."

Marples said Australia, with Collins-class diesel-electric submarines, faces the challenge of an increasing capability gap.

"How do we get the new capability as soon as possible to minimize any capability gap and then what are we going to do to plug whatever gap exists?" he asked rhetorically.

"To move to operating a nuclear-powered submarine fleet is as big a national challenge, not just in defense, but in terms of really the whole breadth of government that our country has been presented with, almost at every level, not just in terms of developing the capability but building the industrial base, building the regulation, building the government structures around it," he said, also noting the cost. "We need to work out how we build this into a budget which has a significant debt associated with it.

"At every level there are challenges," he said. "That said, we mean to meet those challenges. This is a huge national

challenge for the country but it's one we're going to meet."

## Submarine How To

Thanks to Shipmate Rick Riessen for finding these links from [www.SmarterEveryDay.com](http://www.SmarterEveryDay.com):

How I Boarded a US NAVY NUCLEAR SUBMARINE in the Arctic (ICEX 2020) – <https://youtu.be/5d6SEQQbwtU>

Boarding a US NAVY NUCLEAR SUBMARINE in the Arctic - <https://youtu.be/RXXMJAU6vY8>

Crawling Down A Torpedo Tube - US NAVY Nuclear Submarine - <https://youtu.be/UYEyhBOAGlw>

How to Fight Fire or Flooding on a Nuclear Submarine - <https://youtu.be/ajK1QMP7Zyl>

How to Make Pizza on a Submarine <https://youtu.be/bPJUVKizh90>

How Sonar Works (Submarine Shadow Zone) – <https://youtu.be/AqqaYs7LjIM>

How Do Nuclear Submarines Make Oxygen? - <https://youtu.be/g3Ud6mHdhIQ>

How to Poop on a Nuclear Submarine <https://youtu.be/SYFuA3xnkUE>

How to Surface a Submarine in the Arctic Ocean - <https://youtu.be/XFJnWp1tAdU>

## Submarines For Sale

From: <https://www.mysubmarines.com/>

Use our SUBMARINE SEARCH to filter the right submarine for yourself among all available personal submarines for sale. You can filter by mini (small) submarines, large submarines (using Occupants filter), one-man or 2-person, tourist or private, deep-sea or yacht submersible.

Both new and used submarines are listed below; most of them are luxury submarines. You can filter by usage like- Recreational, Tourism, Research, Exploration, Filming, or even spy submarines. You can sort and filter real submarines by "Prices" so you can find the right one in your decided budget to buy it for yourself.



### [MP26-100 T-Sub \(New\)](#)

\$1500000

\$1250000

Operating Depth: 100 M

Cruising Speed: 3 knots

Autonomy: 8 Hours

## Crash Dive Base Contact Information

Commander – Clayton Hill, 195 Clover Lane, Cedarburg, WI 53012;  
[clay53012@yahoo.com](mailto:clay53012@yahoo.com)

Vice-Commander – Bret Zacher; [bret.zacher@gmail.com](mailto:bret.zacher@gmail.com).

Secretary (POC) – Manny Garmendez, [mgarmendez@gmail.com](mailto:mgarmendez@gmail.com);

Treasurer – Bret Zacher; 6714 Indian Lane, Long Grove, IL 60047;  
[bret.zacher@gmail.com](mailto:bret.zacher@gmail.com)

COB – Frank Walter; [fawalter@gmail.com](mailto:fawalter@gmail.com)

Chaplain – Vacant.

Membership – Vacant.

Storekeeper – Herman Mueller, 503 Lynn Terrace, Waukegan, IL 60085; 847-445-5034; [hermanandlorimueller@comcast.net](mailto:hermanandlorimueller@comcast.net)

Newsletter Editor – Chris Gaines, 513 West Downer Place, Aurora, IL 60506; 630-892-5718 or [ccgaines@mindspring.com](mailto:ccgaines@mindspring.com)

Base Historian – Frank Voznak, Jr. 9 South 255 Madison, Burr Ridge, IL. 60527; 630



# 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 1<sup>st</sup> thru Dec 31<sup>st</sup>. Please indicate your term preference: \_\_\_\_\_  
 Nat'l Dues: 5 Yr term: \$115.00; 3 Yr term: \$70.00; 1 yr term (Jan thru Sep) \$25.00; (Oct thru Dec adds the next yr): \$30.00;  
 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 (\_\_\_\_\_) \_\_\_\_\_  
**Who is your sponsoring USSVI Regular Member?:** (Mandatory for Assoc Mbrs) \_\_\_\_\_  
 Associate Applicant is:  Veteran  Spouse of Veteran  Other (specify) \_\_\_\_\_

## 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.** \_\_\_\_
5. \_\_\_\_\_ **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 or mail this form, including your National and Base membership DUES (payable to 'Crash Dive Base') to Crash Dive Membership Chairman Tom Polzin, 1305 Winslow Circle, Woodstock, IL 60098; 847-867-8668