

A monthly publication of the Los Angeles/Pasadena Base • United States Submarine Veterans, Inc.

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"To perpetuate the memory of our shipmates who gave their lives in the pursuit of 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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Editor's Corner

As always, still busy putting out this here monthly newsletter; the huge, thrice-a-year *SubCommittee Report*; and of course, assisting Chuck with editorial duties on the *American Submariner* (a really nice, brand spankin' new issue of which releases soon—enjoy!). Who knew I'd be so busy in "retirement?" If anyone needs me, I'll be in the Yeoman's Shack as usual. Stay safe from COVID: get your new booster shot geared to the current strain! —*Jeff*

Nautilus Returns Home to Submarine Force Museum

(From the New Hampshire Union Leader website - published Aug 7, 2022; Updated Aug 8, 2022.) by Kimberly Drelich The Day, New London, Conn.



Nautilus (SSN-571), the world's first nuclear-powered submarine, leaves the Electric Boat Shipyard in Groton, Conn., en route to Naval Submarine Base New London on May 8, 2002. The historic ship attracts about 250,000 visitors annually to the Submarine Force Museum. (Nicole Hawley/U.S. Navy photo.)

ROTON, Conn. — The *Nautilus* made her journey back to the Submarine Force Museum on Thursday after months of repairs and preservation work at the Naval Submarine Base.

Crew members busily worked on the sunny morning to untie *Nautilus* from a pier at the base to get the historic ship underway. Two tugboats towed the 319-foot-long submarine down the Thames River to a pier at the museum, where the newly refurbished vessel will reopen to the public next month. Workers standing on the museum pier and in work boats helped secure the vessel in place.

(concluded on page 7)



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From the Wardroom...



Dave Vanderveen, Base Commander

Shipmates and Ladies,

Summer is over in SoCal but not the heat! Although the National Weather Service has talked about conditions being right for a wet

autumn and winter this year, as Chief Obvious says, it isn't raining yet. The southwestern part of the country desperately needs it along with a good, deep, sustained snowpack in the Sierra Nevada. If any of you know a good "rain dance," please turn up the music and get after it!

As you will see elsewhere in this issue, this year's election of base officers was completed and recorded in September as required in the Base By-Laws. There were twenty-two ballots cast for a return rate of 22%, which is about average among all bases. Joe Koch led our Election Committee ensuring that we met USSVI and Base requirements. Bravo Zulu, Joe, and thank you!

Installation of the newly elected/reelected officers will be conducted during our monthly meeting on October 15th to be held at Glory Days Beachside Grill in Seal Beach. Each of us will pay our own bar and meal tab, so an advance signup and collection will not be needed this year. I urge those who are in SoCal to please attend the meeting, both for the social enjoyment of seeing shipmates and to reinforce the value of service provided to our base by those who were elected.

Darin Detwiler, our new Vice Commander, is arranging some electronic enhancements for our meetings, including big-screen display of our agenda and documents we will use. He also confirmed we can use the restaurant's wi-fi, so I will take my laptop and log into Zoom so those members who cannot attend in person can participate remotely. I will send a reminder in the second week of October via email, then will send each of you a Zoom invitation by email the morning of the 15th.

On Monday, October 3rd, I will meet with Captain O'Brien at NWSSB to discuss our relationship with the Navy and prospects for our use of meeting and storage facilities on the station. We are spending a substantial sum to store the tools and memorabilia removed from Building 6, and that meeting should tell us if it is worthwhile to continue that or to begin disposing of some material to reduce the cost of storage. Additionally, because the Lions Club of Seal Beach has offered to use their resources to help us maintain the WWII Submarine Memorial at NWSSB, I want to clarify the chain of discussion among Lions, L.A.-Pasadena's Memorial Director, and the station's Public Affairs Officer. That will lead to a memorandum of understanding between us and the Lions Club. The Navy owns the Memorial and because we are its principal stewards, we need to coordinate work by us or the Lions with the Navy.

As always, exposure to viruses will increase as we move into winter with flu and COVID continuing to affect at-risk folks, so please protect your health.



Dave Vanderveen, Commander Los Angeles-Pasadena Base



Sept. General Meeting Sailing List

Ed Barwick
Herb "Bo" Bolton
Dennis Bott
Darin Detwiler
Sam Higa
Jack Mahan
Marlene Mahan
Bill Moak
Jeff Porteous
Chuck Senior
Mike Swanson
Ray Teare
Dave Vanderveen
Ron Wagner
Dennis Walsh





Minutes of September 17, 2022 General Meeting

Base Commander Dave Vanderveen called the General Meeting of the L.A.-Pasadena Base to order at the Glory Days Beachside Grill in Seal Beach, CA at 1111 hours. He then led the Pledge of Allegiance, read aloud the USSVI Statement of Purpose, and followed up with a request for a moment of silence for our departed shipmates.

Treasurer's Report:

Mike Swanson presented the status of the chapter treasury as of September 16, 2022. Its specific breakdown appears in the E-Board Meeting Minutes as usual. Dave also mentioned the Annual Report referred to in the E-Board Meeting Minutes. Asked what portion of our finances is related to the Memorial, Mike reported it as around \$4,000.

Memorial Report:

Again, evidence of someone sheltering by the trellis had been discovered. Dennis reported this to the Base Watch Commander, who will see the spot gets patrolled. A second attempt to grow grass in the area left from the removal of the Aleppo Pine has taken only a partial hold, likely requiring further effort in this regard. Dennis also mentioned the removal of many of the Cypress trees bordering the parking area adjacent to the Memorial.

With regard to the damaged trellis, Dennis has looked into the cost of new ones at both Home Depot and Lowe's. Again discussed were the boundaries and responsibilities of the Lion's Club. (See the E-Board Meeting Minutes for details.)

Marlene asked about the status of our Memorial Brick Program. Dave explained once again that this topic would be part of a lengthy discussion with the SBNWS Command in a meeting now scheduled to take place in early October.

Election Results:

Dave reported that 22 total ballots were cast in our recent base election, representing about a 20% membership participation—this deemed acceptable per Dave. All candidates received 22 votes; there were no write-ins.

Installation of Officers:

Our annual Installation Luncheon for newly elected/reelected base officers will take place at Glory Days Restaurant at 1100 hours during our regular meeting next month, with a no-host bar/lunch for attendees. Dave will ask District 6 Commander Rocky Rockers to preside over the official swearing-in proceedings.

(concluded on next page)







General Meeting Minutes...

(concluded from previous page)

Eagle Scouts Program

Joe Koch was noted as presiding over an in-person Eagle Scout ceremony today, so wasn't with us. Dave explained the reactivation of this program, and the heightened involvement in it planned for our base. Post-COVID, Eagle Scout candidates can focus on Memorial work if desired for Merit credit.

Membership:

Dave reported our total base membership at still around 100 members—many residing out of the area, yet remaining on the L.A-Pasadena Base roster as their primary base. Dave explained how no Members at Large he'd contacted were interested in being attached to our base.

Electronic Enhancements for our Meetings:

It was acknowledged that Zoom worked well to keep our meetings and contact going during the worst of the pandemic; now some feel this methodology ought to continue in order to better accommodate members too far away (or otherwise unable or unwilling) to join our meetings in person. The viability of this notion will be explored further for possible use in/with future meetings. Also to be considered is the videotaping of meetings for after-the-fact online access to members as well. This might be facilitated through posting a link to our recorded meetings on our base website.

The Good of the Order:

The problem of our generally shrinking base revenue was brought up and discussed. Part of this regular income dropoff was noted as due from no longer holding "50/50" drawings at our meetings. The ending of bar purchases at our meetings is a culprit too. It was decided that 50/50 drawings will start up again at our October meeting.

Darin brought up the Seal Beach Symphony performance taking place this evening, and mentioned that if members attend wearing their vests, admission is free. Jeff reminded us that an ad promoting the event and offering info. on it can be found in the September *Periscope*.

Regarding our many memorabilia items in storage and their ongoing drag on our treasury, the topic will be addressed again after Dave's upcoming meeting with the SBNWS Command.

There being no further business, Jack Mahan motioned the meeting be adjourned; Dennis Bott seconded and it was passed by all present, ending the meeting at 1232 hours.

Respectfully submitted,

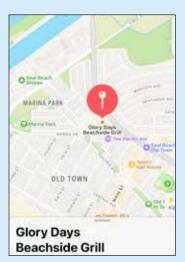
Bill Moak

Secretary, L.A.-Pasadena Base, USSVI

oct. Meeting at auran

Date: Oct. 15, 2022 Glory Days Grill in Seal Beach will once again be the site of our monthly gathering: Board Meeting at 10:00 a.m. and the General Mtg. at 11:00 a.m. Hope to see you there!

Glory Days Beachside Grill 620 Pacific Coast Hwy. Seal Beach, CA 90740 562-594-3800



Oct. Birthdays

We hereby extend the happiest

of wishes to all our L.A.-Pasadena Base birthday celebrants. Jimmy Carter..... 10/1 Elliot Rada 10/13 Gregory Paulson...... 10/14 Steven Diumenti 10/15 Harry Ross......10/15 Paul Riggs 10/16 Vernon "Max" Murphy .. 10/18 Larry Long...... 10/20 John Andersen..... 10/23 George Wallace..... 10/23

Willie Williamson...... 10/24

Installation Luncheon

Come witness our new slate of L.A.-Pasadena Base Officers get officially sworn into office for the next fiscal year at our regularly scheduled October base meeting at the Glory Days Grill in Seal Beach (details at left). Don't miss your chance to dine with these minor bureaucrats—fine gentlemen all and toast their success in the coming year. It's all on you at our notorious no-host bar and luncheon soirée! Drink up, eat lots and have fun—it's what we're all here for!

LOS ANGELES - PASADENA BASE

LOS ANGELES/PAS

2022 FLOWER FUND and BOOSTER CLUB

A special thank you to the following folks whose generous contributions this year have helped make our Base activities and charitable functions possible:

> Joe Dow • Ken Dorn • Harold Staggs Mike Varalyai (RIP)

> > Booster Club and Flower Fund donations are welcome in any amount and are often also popular with 50/50 Drawing winners at our Base meetings. Contributions can be made in cash or by check payable to L.A.-Pasadena Base of USSVI. Checks may also be sent to Mike Swanson at 1149 W. Santa Cruz Street, San Pedro, CA 90731. To ensure proper credit, be sure to indicate Booster Club or Flower Fund on your check.

UNITED STATES SUBMARINE FORCE LOSSES ON ETERNAL PATROL

"I can assure you that they went down fighting and that their brothers who survived them took a grim toll of our savage enemy to avenge their deaths."

— Vice Admiral Charles A. Lockwood, USN

OCTOBER TOLLING OF THE BOATS



USS SEAWOLF (SS-197)

Lost on October 3, 1944 near Morotai, when she was attacked and sunk by the USS *Richard M. Rowell* (DE-403) while tragically mistaken for a Japanese submarine known to be in the area. *Seawolf* ranks seventh among U.S. submarines for enemy ships sunk. Her crew of eighty-three plus seventeen U.S. Army troops went down with her.



USS S-44 (SS-155)

Lost on October 7, 1943 when sunk off Paramushiru, Kuriles, during her fifth war patrol. After attacking a target thought to be a merchant on the surface, *S*-44 found herself in a losing gun battle with a heavily armed Japanese destroyer. Two men were taken prisoner and survived the war. Fifty-six men were lost.



USS WAHOO (SS-238)

Lost on October 11, 1943 in La Perouse Strait. Commanded by one of the great sub skippers of all time, LCDR Dudley "Mush" Morton, she had been exiting the Sea of Japan on her seventh war patrol. Awarded a Presidential Unit Citation and ranking fifth in number of ships sunk, *Wahoo* was lost to Japanese air and sea forces after being spotted on the surface by shore batteries. Patrol aircraft were alerted and dropped many bombs, the *coup de grâce* delivered later by subchasers, an auxiliary, and more aircraft. Eighty brave men were lost with this legendary boat.



USS DORADO (SS-248)

Lost on October 12, 1943 when she was sunk in the western Atlantic near Cuba. Newly commissioned, *Dorado* had departed New London, CT, en route to Panama. She may have been sunk by a U.S. patrol plane receiving faulty bombing restriction instructions—or by a German U-boat known to be in the vicinity. Seventy-seven men perished.



USS ESCOLAR (SS-294)

Lost on October 17, 1944 *Escolar* had been on her first war patrol and was most likely sunk by a mine somewhere in the Yellow Sea. Her crew of eighty-two never came home.

USS SHARK II (SS-314)

Lost on October 24, 1944 when attacked and sunk near Hainan. The second boat to carry this name during WWII, she had been on her third war patrol. *Shark* was lost to escorts after sinking a lone freighter. Compounding the tragedy, the torpedoed freighter had carried 1,800 U.S. POWs aboard. All of *Shark II*'s eighty-seven men were lost.



USS DARTER (SS-227)

Lost on October 24, 1944 when she ran aground on Bombay Shoal off Palawan; she was later destroyed by cannon fire to keep from falling into enemy hands. *Darter*'s entire crew was safely rescued by USS *Dace* (SS-247). Awarded the Navy Unit Commendation, *Darter* had put a heavy cruiser on the bottom, damaged another, and was attempting an "end around" to gain an attack position on a battleship when she became stuck in the shallows.



USS TANG (SS-306)

Lost on October 25, 1944 in the Formosa Strait while conducting her fifth patrol. During a daring night surface attack, *Tang* fell victim to a circular run by her own faulty torpedo. Nine of her crew escaped the sinking and were taken prisoner—including CDR O'Kane and five who had gained the surface from her spot on the bottom, 180 feet below. All survived the war. O'Kane was awarded the Congressional Medal of Honor. *Tang* ranks second in ships sunk and fourth in tonnage, and was awarded two Presidential Unit Citations. Seventy-eight men were lost.

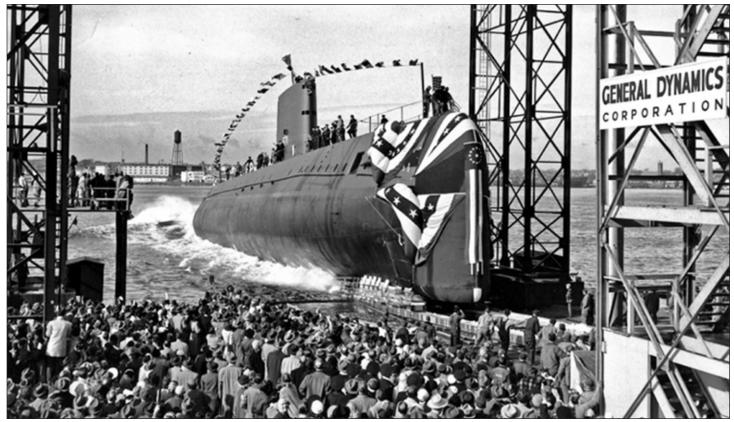
USS O-5 (SS-66)

Lost on October 29, 1923 when she was accidentally rammed and sunk by the SS *Abangarez* off the Panama Canal. TM2(SS) Henry Berault received the Congressional Medal of Honor for his heroic actions. Three men were lost.



Nautilus Returns Home to Museum

(concluded from page 1)



Launching of the USS Nautilus (SSN-571). (U.S. Navy photo.)

"It was smooth sailing," said Lt. Cmdr. Derek Sutton, officer-incharge of the *Nautilus*, the world's first nuclear-powered submarine, and director of the Submarine Force Museum.

The purpose of the \$36 million preservation project, which began last fall and is in the final stages, is to give *Nautilus* a "clean bill of health" for the next thirty years, said Sutton.

"Coming back to the pier here today is the start of that thirty years that she's going to be able to continue to tell the stories of the bold and courageous sailors who have served onboard all submarines throughout the U.S. Submarine Force history," Sutton added.

The crew from the *Nautilus*, along with Electric Boat and the Navy, worked on the preservation project that removed the topside wood decking, blasted and repainted the hull, repaired the ship's superstructure and cleaned and preserved her tanks, according to a news release from the naval base. The Mystic Seaport Museum worked on installing new wood decking. The project also included lighting improvements and additional access points for staff, among other components.

The historic ship was towed to the base last fall for the preservation work. With the return to the museum on Thursday, the final maintenance work will be completed at the museum pier,

Sutton explained.

The Submarine Force Museum is open through the weekend, but will temporarily close August 8-18 for maintenance work on the *Nautilus*, he said. The museum will re-open Aug. 19, though the historic ship will remain closed until its grand re-opening in September.

A grand re-opening ceremony is slated for 12:30 p.m. Sept. 9, the same day that the Connecticut Maritime Heritage Festival begins. Sutton said the ceremony is open to the public and everybody is welcome and encouraged to attend and be one of the first people back on board *Nautilus* after her preservation project is complete.

The *Nautilus*, which was built at Electric Boat, was launched in 1954 and commissioned that year into the U.S. Navy. In 1958, she made history as the first ship to make it to the North Pole.

The submarine was decommissioned in 1980 and became a National Historic Landmark in 1982. The boat and museum first opened to the public in 1986, according to the museum website.

Nautilus also underwent a \$4.7 million preservation project at Electric Boat in the early 2000s, the Navy said.

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Huntington Ingalls Completes Pressure Hull of the Future USS *Massachusetts* (SSN-798)

Huntington Ingalls Industries (HII) announced on August 10, 2022, that its Newport News Shipbuilding division had reached a major milestone in the construction of the Virginia-class submarine, Massachusetts (SSN-798).

(Reproduced from the Naval News website - published August 11, 2022.)

by Naval News Staff



Pressure hull of the USS Massachusetts (SSN-798).(Huntington Ingalls photo.)

hipbuilders working on USS *Massachusetts* recently reached "pressure hull complete," meaning all of the hull sections were joined to form a single, watertight unit. This is the last major construction milestone before the submarine is launched.

"Our highly skilled shipbuilders are driven to serve the nation by delivering great submarines that help ensure America's undersea superiority. Reaching this point in construction demonstrates our commitment to getting *Massachusetts* ready as soon as possible to become part of the U.S. Navy fleet," said Jason Ward, Newport News Shipbuilding Vice President of *Virginia*-class Submarine Construction.

Newport News Shipbuilding is one of only two shipyards capable of designing and building nuclear-powered U.S. submarines. The advanced capabilities of *Virginia*-class submarines increase firepower, maneuverability, and stealth.

This milestone on *Massachusetts* comes following the delivery of USS *Montana* (SSN-794) and the launch of *New Jersey*

(SSN-796) at Newport News Shipbuilding earlier in 2022, as the shippard continues to invest in its workforce and facilities to make steady progress on delivering these important assets to the Navy.

Block IV submarines (SSNs 792 to 801) incorporate design changes focused on reduced total ownership cost (RTOC). By making these smaller-scale design changes to increase the component-level lifecycle of the submarine, the U.S. Navy will increase the periodicity between depot maintenance availabilities and increase the number of deployments.

USS *Delaware* (SSN-791), the final of eight Block III *Virginia*-class submarines, was commissioned in April, 2020. *Delaware*'s keel was laid April 30, 2016, and she was christened during a ceremony on Oct. 20, 2018.

The Block III submarines are fitted with the new Virginia Payload Tubes designed to lower costs and increase missile-firing payload possibilities. The first ten Block I and Block II *Virginia*-

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Massachusetts Pressure Hull Completed

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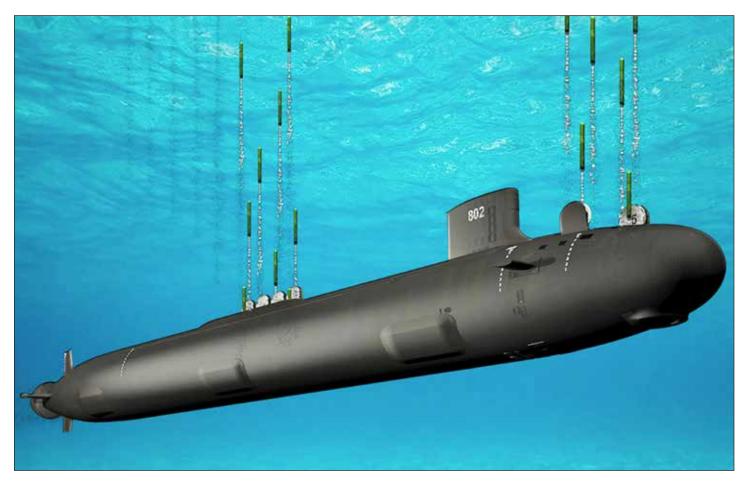
class submarines feature twelve individual 21-inch diameter vertical launch tubes able to fire Tomahawk Land Attack Missiles (TLAMS). The Block III submarines are built with two larger 87-inch diameter tubes able to house six TLAMS each.

Blocks I-III *Virginias* are planned to undergo four depot maintenance availabilities and conduct fourteen deployments. Block IV RTOC efforts are intended to reduce planned availabilities by one to three and increase deployments to fifteen. The U.S. Navy refers to this as 3:15.

Block IV will be followed by the Block V configuration, which involves ten boats and may incorporate the Virginia Payload Module (VPM), which would give guided-missile capability when the SSGNs are retired from service. On December 2, 2019, the U.S. Navy announced an order for nine new *Virginia*-class submarines—eight Block Vs and one Block IV—for a total contract price of \$22 billion with an option for a tenth boat. The Block V submarinesws were confirmed to have an increased length, from 377 ft to 460 feet, and displacement, from 7,800 tons to 10,200 tons.

Submarines in Block IV configuration:

- Vermont (SSN-792) Commissioned April 18, 2020.
- *Oregon* (SSN-793) Delivered to the U.S. Navy Februrary 26, 2022.
- *Montana* (SSN-794) Delivered to the U.S. Navy March 14, 2022.
- Hyman G. Rickover (SSN-795) Christened on July 31, 2021.
- New Jersey (SSN-796) Launched April 28, 2023.
- Iowa (SSN-797) Keel laid August 20, 2019.
- Massachusetts (SSN-798) Keel laid December 11, 2020.
- Idaho (SSN-799) Keel laid August 24, 2020.
- Arkansas (SSN-800) Construction began in March, 2018.
- Utah (SSN-801) Construction began in March, 2018.



The Block V Virginia-class submarines will to provide expanded capacity and advanced capabilities to the U.S. Navy fleet. (Artist's illustration credit: General Dynamics / Electric Boat.)

Submarine USS *Albuquerque's* Mammoth Sail to Become a Monument in Its Hometown

(Reproduced from the Autoevolution website - published August 23, 2022.)

by Otilia Dragan



USS Albuquerque (SSN-706) (U.S. Navy photo.)

fter thirty-four years of service, one of the U.S. Navy's nuclear underwater beasts is being torn to pieces at the Puget Sound Naval Shipyard in Washington. But there's some good news: an important piece of it could live forever as a monument in the city that gave this submarine her name.

The USS *Albuquerque*'s dorsal "sail" fin will be turned into a museum in Albuquerque.

Although the term might be confusing, a submarine's sail (which the Brits call "fin") is basically what you see sticking out above the hull, and it's the structure where the periscopes and masts are located.

According to the *Albuquerque Journal*, the city of Albuquerque is planning to turn one of these sails into a local monument because it belongs to the USS *Albuquerque*, a nuclear submarine that was decommissioned in 2017 after thirty-four years of service. That's possible because local institutions can some-

times have access to pieces of the Navy's decommissioned ships if they have a connection to them.

But this is still no easy task. First of all, the thing is huge. Thomas Tozier, the city's liaison for military and veterans' affairs, said that three flatbed trucks would be needed to carry the pieces of the sail into the city. On its own, it's nineteen feet tall (5.7 meters), weighs fifty-two tons, and the horizontal "wings," called fairwater planes, span over thirty-three feet (10 meters).

Secondly, it's an expensive project. There's a budget of \$800,000 set up for it, but most likely won't be enough to cover the entire project. On a more positive note, the public is invited to participate in it as well by coming up with some fresh ideas about the future monument and its location.

Those who want to share their ideas can do so until September 16 by visiting the project's official site. After that date, the project should have an official list of potential sites where the USS *Albuquerque*'s sail will live on.

Take a Submarine to the Bottom of the Great Lakes

You too can sink down to a watery grave—er, the depths.

(Reproduced from the Thrillist website - published August 11, 2022.) by Jennifer Billock



Sing it with me: "We're all tourists in a yellow submarine..." (Photo courtesy of Viking Cruises.)

hen the waves of Lake Huron closed over my head as I sank down to the bottom of the Great Lake, I admit I was a little panicky. I definitely thought about drowning. After all, I'd nearly drowned three times in my life.

Though the first two times I was too young to now recall, the third time was in Wisconsin and the sensation has stuck with me. I remember how, as a middle schooler, I got pulled deeper and deeper into a wave pool until every wave sucked me underneath just long enough to choke on a gurgly mouthful of water. Despite kicking and fighting to swim back to safety, I could feel the water overtaking me, bubbling up over my head as I sank down. The pool was choking me, I was suffocating, and the fear of death was right in my face. As you can probably guess, I was eventually saved. Someone noticed and pulled me out of the pool, and that relief was enormous.

But here I was again, as an adult, watching sediment from the bottom of the lake swirl up around me. But this time I wasn't drowning. This time I was perfectly safe. This time I was in a sub.

My small group and I were passengers on one of Viking Cruises' newest itineraries, the Great Lakes Explorer. The expedition allows guests on the Viking *Octantis* ship to see one of the

Great Lakes from the other side of the surface. Though guests can participate in science-research activities like microplastics research, bird-watching, and weather balloon launches, it's also just really cool to dive in a submarine. Whether you're overcoming your own childhood experiences or you're just an adventurer at heart, here's what to know about going on a submarine expedition in the Great Lakes.

Boarding a submarine

These are—of course—yellow submarines. Can you guess their names? If you picked John, Paul, George, and Ringo...you're absolutely right.

The Beatles can go down to about 1,000 feet and stay underwater for eight hours. Each side of the submarine has three very comfortable seats for passengers, surrounded by glass domes that allow optimal viewing at the dive site. It's a small space (you can't stand up straight), but you can hardly tell once you're in the water. The seat platforms swivel so you can look out over the lake floor instead of staring at the pilot and other passengers.

The submarines are equipped with lights, cameras, and some handy claws to pick up anything valuable the pilot sees on

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Take a Sub to the Bottom of the Great Lakes

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the lakebed. They're typically used as research vessels to take information back to the *Octantis*' science program, which works in collaboration with the National Oceanic and Atmospheric Administration (NOAA). NOAA eventually plans to tack instruments to the bottoms of the submarines to get more detailed information about the water, the lakes, and the lakebed.



Sub's interior. (Photo by Jennifer Billock.)

If you're like me (that is, both claustrophobic and afraid of drowning), you'll be happy to know that the subs are awash with safety features. Onboard, you'll find directions on what to do if the pilot goes unconscious, supplemental oxygen hoods, a big green button to push if the sub needs to surface immediately, and a program that tells the submarine to surface if it doesn't detect any activity from the pilot. Up above you, the sub is followed by a safety boat with a team that ensures the surrounding waters stay clear and everyone is safe beneath the surface. (So even when the safety boat radioed our pilot, Peppe from Sweden, and said, "You're a little close to the rocks, but that's as good a dive site as any," I decided to trust the marine scientist.)

Sinking down to the depths

Here's how the dive works. You take Viking-owned Zodiacs (military-grade rigid inflatable boats) to a predetermined dive site that the scientists onboard the ship picked out that morning. For now, the sites will always be in Canadian waters—because Viking is Norwegian, the Jones Act disallows them from deploying subs in the United States. To transfer from the Zodiac to the submarine, you have to hold onto a metal bar, climb out of the Zodiac, and sit down on the edge of the submarine hatch. You swing your legs into the hatch, then climb down a three-rung ladder into the middle of the sub to find your assigned seat.

Once everyone is in the sub, the pilot climbs in, closes the hatch, and then radios to the safety boat to make sure you're clear to sink. With the all-clear, air is released from outside tanks on the submarine, and thrusters push the entire thing underwater.

For our dive, we went down about fifty feet to the floor of the lake. It had been raining all morning, which stirred up the sediment around us, making everything a mossy green color that spotlights sparkled through to highlight the lakebed. I saw a few tiny fish and a ton of invasive zebra mussel shells. Depending on the weather and your dive site, you're likely to see more. But even just exploring the floor of the Great Lakes, something almost no one in history has done before, is an amazing thing.

Sign me up!

If you want to take a submarine dive into the Great Lakes yourself, you have to be a passenger on the Viking *Octantis* or sister ship, Viking *Polaris*. As of this writing, no other companies offer passenger submarine trips down into the lakes—especially not in military-grade exploration submarines worth \$6 million apiece. The Great Lakes expedition itineraries start at about \$6,500 and can be booked on the Viking website.

Hike, kayak, or get yourself a cinnamon roll afterwards

What you can see nearby depends on your dive site. On *Octantis*, the subs went down in Lake Huron and Lake Superior—my dive was in Lake Huron, surrounded by the stunning Georgian Bay UNESCO Biosphere Reserve in Canada. Here, you can kayak in the bay, hike through the surrounding landscape, and enjoy a Zodiac nature cruise.



Four folks sitting out on rocks by the lake—celebrating their amazing submarine adventure. (Cavan Images/Cavan/Getty Images.)

Or if you can, try to take your submarine dive at Silver Islet in Ontario's slice of Lake Superior. The small community is historic and completely off the grid, and the general store has some of the best cinnamon rolls you can find around the Great Lakes.

Jennifer Billock is a freelance writer and author, usually focusing on some combination of culinary travel, culture, sex, and history. Check her out at JenniferBillock.com and follow her on Twitter. Want more Thrillist? Follow us on Instagram, Twitter, Pinterest, YouTube, TikTok, and Snapchat!

J-50, A Little Piece of Heaven

by Bob "Dex" Armstrong

In the old days when the boats pulled in, there wasn't any place for single guys to go. No place to haul off to for a hot shower, clean sheets, a real pillow and ten hours of uninterrupted sleep in peace and quiet.

This was in the late '50s, the days when an E-3 could blow his bi-weekly pay on two pitchers of beer, six Slim Jims, a long distance phone call, his laundry and a shoe shine... In the '50s, a bluejacket Seaman First spent a helluva lot of time broke. Big-time busted.

Short of part-time bank robbery or selling the wardroom silver, there was no way he could bankroll a room at the Cavalier Hotel. Or even a cheap flea bag motel out at Ocean View.

Sailors today would never believe what a smokeboat non-qualified, non-rated bluejacket lived on. Or that the United States Navy paid less than the minimum wage of Polish potato diggers.

So when diesel boats in Submarine Squadron Six put their lines over and the married animals went bouncing across the brow for a hot shower, clean sheets and an armload of momma, the single idiots changed their mattress covers and went up to "T" Division on the *Orion* to catch a hot shower—a forty-five minute shower—after a 65¢ tendergrade haircut.

But in the summer, with the sun beating down on the boat all day, the inside of a fleet snorkel boat got hot enough to forge horseshoes. There was no way to sleep inside one of those rascals—you could drown in your own sweat.

So after the sun went down we would drag our mattresses topside and rack out aft of the sail. The topside watch would keep guys returning with "a load on" from stepping on you. And when the Krispy Creme truck showed up the next morning, he'd get the below decks watch to pass up hot coffee—wake you up so you could sit up and have breakfast in bed, wrapped in a dew-soaked blanket.

After a couple of cups of coffee and four or five donuts, we engaged in a little-known evolution known to E-3s as "tampon drill," where you folded up your mattress like a hot dog bun and poked it down the after battery hatch. The morning messcooks would return them to the bunks. It was a little sloppy, but it worked unless it rained. Rickover would have had cardiac arrest if he had ever come waltzing down Pier 22 after dark. Hell, if he had, he would

probably have built us a Howard Johnson's out in the parking lot. Yeah, you betcha.

One night Admiral Elton W. Grenfell, SubLant—the Big Kahoona himself—came down after dark. He came aboard the inboard boat in the forward nest and spoke to the topside watch.

"Good evening, son."

"Good evening, sir."

"Why are those men sleeping on deck?"

"With all due respect, sir, it's hotter'n two mice screwin' in a wool sock down below."

"Well, why don't they go to their barracks?"

"Barracks? What barracks, sir?"

"Your Squadron barracks."

"Squadron barracks? We've got a Squadron barracks? Where is it? No one ever told anyone in this Squadron about it. I've been riding boats in SubRonSix for damned near five years and I've never heard about any barracks, sir."

And that was it.

I have no idea if this is true. (Not that *that* has been a major obstacle to the writing of any other part of this literary masterpiece.) But, scuttlebutt had it that at one point the Navy appropriated a wagonload of money to build barracks for each Submarine Squadron. When the money reached Norfolk, it was intercepted by DesLant and used to build a honking big tincan Rec Center.

It didn't take Admiral Grenfell long to Dick Tracy out the situation.

According to what we heard, Admiral Grenfell went into DesLant and told him that either he came up with some quality barracks space for his lads or he was going to form the damnedest working party Norfolk had ever seen and start tossing pool tables, ping-pong tables, pinball machines, Coke machines and any other inappropriate furniture out the windows of his gahdam tincan playpen and fill the sonuvabitch with racks for the men that he or his predecessor had shortchanged.

(concluded on page 19)

New Members

We proudly welcome aboard our newest base shipmates:

Charles R. Hinman

(Associate Member) Wife: Keiko 2015 Lime Street, Apt. #904 Honolulu, Hawaii 96826-3930 cell: 808-561-2869 charles.hinman@gmail.com Phone number at Bowfin Museum: 808-423-1341

Dr. Darin Steven Detwiler

(E5-MM2SS; served 1986-1994) Wife: Gennette Zimmer 205 7th Street Seal Beach, CA 90740-6180 cell: 425-232-5743 ddetwiler680@gmail.com Qualified in 1989 on the USS William H. Bates (SSN-680)

Robert "Bob" John Frazier

EMC-SS E-7 CPO; served '78-'94) 4278 Hill Avenue Fullerton, CA 92833-3430 cell: 714-931-8654 Uboatman@gmail.com Qualified in 1981 on the USS Tautog (SSN-639)—'80-'85 USS Rich. B. Russell (SSN-687) '89-'92

Robert "Mike" Cailor (returning) (EM1-SS E6; served '64-'71) Wife: Rebecca

2514 Elm St., Seffner, FL 33584-5812 cell: 813-585-7615 rmcgfish@gmail.com
Qualified in 1968 on the
USS Guardfish (SSN-612)

Edward "Ed" Elliot Kushins

(LT-03SS; served '68-'79) Wife: Mary Hamilton 45 16th Street Hermosa Beach, CA 90254-3402 phone: 310-345-3562 edkushins@gmail.com Qualified on the USS *Flasher* (SSN-613)—'69-'71, LTJG.

Ramon O. Aguilar (returning) (E5-ET Radio Div.; 1996-2001) 22736 Jody Lane Carson, CA 90745-3603 *cell:* 562-303-0866 octiviano89@gmail.com Qualified in 1998 on the USS *City of Corpus Christi* (SSN-705)



"Get'cher Chapter News Here — Read All About It!" —

When News Breaks, We Pick Up the Pieces...



Coming on Friday, November 11th at 11:00 a.m. at Eisenhower Park Pier in Seal Beach

A Veterans' Day Celebration

Planned features...

- Patriotic military displays
 - Live patriotic music
 - Military guest speakers
 - Veteran participation
- SubVet Memorial review
 - More to be announced

This event is still being put together; watch for further information in next month's *Periscope*!



L.A.-Pasadena Base 50-Year **Holland Club**

(75-year members noted with *)
Gerard A. Krudwig2022
Gregory M. Paulson 2022
Michael J. Swanson2022
Ralph J. Hansen2021
Robert F. Schive, Sr2021
Larry D. Long2021
G. Judson "Jud" Scott, Jr 2021
Edward E. Kushins2020
Bruce Evan Neighbors 2020
David H. Vanderveen 2019
Philip J. Jaskoviak2019
Dennis Bott2018
Robert "Mike" Cailor 2018
Robert Miller2018
John A. Anderson2017
Roger C. Dunham, MD 2017
Richard McPherson 2017
Harry "Bill" Moak2017
Louis A. Myerson2017
Elliot Rada2017
Ronald G. Wagner2017
Dennis J. Walsh2017
Michael Kish2016
Gary Wheaton2016
Lawrence R. Butler2015
Samuel T. Higa2015
Harry P. Ross2015
Stephen C. Rowe2015
Charles H. Senior2015
Larry E. Smith2015
Sam Aboulafia2014



Los Angeles-Pasadena Base **2022 Calendar of Upcoming Events**

December 10	Annual Christmas Luncheon
November 19	Monthly Meeting - Thanksgiving Theme
October 15	Monthly Meeting - Glory Days Grill in Seal Beach Annual Officer Installation Luncheon
September 17	ANNUAL BUSINESS MEETING Election of Officers
August 20	Monthly Mtg Glory Days Grill - Hawaii Theme 2023 Base Officer Candidates Announced
July 16	LeRoy Stone Memorial Picnic Bunker 33, Seal Beach Weapons Station
July 4	115th Annual Huntington Beach 4th of July Parade
June 18	STEAK FEST at Monthly Meeting at Bunker 33 Picnic Area; Nominations for 2023 Base Officers
May 28	More Tarp Prep at the Memorial Site
May 30	Memorial Day Service - 1100 Submarine Memorial, West
May 21	Hang Up the Tarp at Memorial Site - 0900 Monthly Meeting at the Memorial site Call for participants in the Huntington Beach 4th of July Parade
May 14	Field Day/Prep at the Memorial Site - 0900
May 7	Lion's Club Memorial Plaque Refit Reception at the Submarine Memorial, West - 1600-1700
April 16	Monthly Meeting Cancelled
March 19	Monthly Meeting at Taco Surf Restaurant
February 19:	Monthly Meeting at Taco Surf Restaurant
January 15:	Monthly Meeting via Zoom Conference

at the Los Alamitos Golf Course

(<u>Holland Club Roster, continued</u>)
David Palagyi2014
Earl Thomas Peratt, Jr2014
David D. Semrau, DDS 2014
Ray Tracy Teare2014
Milton Harry Boudov2013
Kenneth Jon Dorn2013
M. Mark Hoffer2013
Michael P. Klein2013
Ronald L. Levenson2013
Edward L. Arnold2012
T. Michael Bircumshaw2012
Raymond Cheesebrough . 2012
Bobby O. Mahaffey2012
John V. Mahan2012
Lee Melody2012
Clyde Matthew Turner2012
George R. Walrath2012
John L. Weisenberger 2012
Edward A. Barwick2011
Joseph W. Koch, Jr2011
Stephen D. Diumenti 2009
David Whittlesey2009
Dennis A. Yure2009
Armen Bagdasarian2008
Paul A. Riggs2008
Rex L. Shields2008
John L. Von Ulmen 2008
Francis R. Traser2006
Ronald K. Thompson 2004
Robert L. Conboy2003
James Rogers2003
John E. Savela, Jr2003
Ben Van Devender2002
Berry S. Yolken2002
James E. Carter 1999
William F. Long1999
Herbert J. "Bo" Bolton 1998
Kenneth E. Chunn1998
*Royal Harrison, Jr1995
*Sterling F. Higgins 1995
*Robert Clair Koplin 1995
*William J. Dillon1993
*Harold Staggs1992



E-Board Meeting Minutes of September 17, 2022

The Los Angeles-Pasadena Base, United States Submarine Veterans, Inc., Executive Board Meeting was conducted on the morning of September 17, 2022.

In attendance:

- · Dave Vanderveen, Base Commander
- Ed Barwick, Base Vice Commander
- · Bill Moak, Secretary
- · Mike Swanson, Treasurer
- · Ray Teare, Base COB
- Herb "Bo" Bolton, Director
- · Sam Higa, Director
- · Chuck Senior, Director
- · Dennis Bott, Memorial Director
- Jeff Porteous, Periscope Editor
- · Darin Detwiler, Incoming Vice Commander
- Ron Wagner, Member

Base Commander Dave Vanderveen called the meeting at Glory Days Beachside Grill in Seal Beach to order at 1008 hours with a quorum present. Minutes of the August meeting were reviewed with no revisions requested. Ed Barwick moved to accept the Minutes; this was seconded by Sam Higa and approved by voice vote.

Treasurer's Financial Report: Mike Swanson

The Treasurer's Report as of September 16, 2022 was read into the Minutes by Base Treasurer Mike Swanson:

Total	\$21,041.56
Uncleared Checks:	\$18.39
Cash On Hand	\$50.00
Savings	\$0.00
Checking	\$21,009.95

All vendors have been paid up-to-date.

Income:	\$0.00
Expenses:	\$324.00

Flower/Booster Club Additions: \$0.00

Inkind Donations: 00.00

Again, there were no questions or corrections. Dennis Bott moved to accept the Treasurer's Report; it was seconded by Ray Teare and approved by voice vote.

Treasurer's Annual Financial Report to the E-Board:

Mike produced and distributed printed copies of his spreadsheet detailing the base's income and disbursements for the previous fiscal year in accordance with our base By-Laws. This information is available by request from Mike or Dave by any interested parties.

Dave mentioned a drop in base income primarily due to the change in our meeting styles, and specifically the loss of "50/50" drawing and bar revenues. The 50/50 drawing will be reinstated beginning with our October meeting.

Memorial Report:

Dennis Bott reported his attempt to seed grass in the area of the removed Aleppo Pine has begun to take hold, but will probably require further effort later for a satisfactory result. Again a homeless individual has chosen the trellis area for shelter. Dennis feels the trellis now needs replacement, and has priced them at Home Depot and Lowe's. These would be redwood, and likely to fade to gray over time. He has also contacted the Base Watch Commander, who will have the area patrolled. A suggestion was made to affix a USSVI or L.A.-Pasadena Base logo to the trellis. Chuck noted the logo really should be that of the WWII Submarine Veterans, since this is their site. Darin indicated that a number of Cypress trees along the parking lot had been cut down. He went on to suggest that a Memo of Understanding be created to define

New Retention Programs for Sub Cmdrs. and Senior Enlisted Sailors

(Reproduced from the USNI News website; published August 10, 2022; updated August 12, 2022.)

by Heather Mongilio

A new Navy program will offer \$20,000 per year to members of the submarine community in a bid to increase retention.

Special mission submarine commanding officers with no less than 19 years but no more than 25 years of service are eligible to receive annual payments of \$20,000 if they stay in the Navy for another three to five years, according to NAVADMIN 177, released August 5.

Officers who apply for the retention bonus must be active duty, be serving in a commanding officer special mission billet and be at a O-5 or O-6 paygrade, according to the NAVADMIN.

Qualifying officers must also have the 1120 designator and have nuclear training. The 1120 designator is "Unrestricted Line Officer billet requiring Submarine Warfare qualification or afloat billets leading to such qualification," per the Navy HR department.

If accepted for the retention bonus, officers will be given a service obligation between three and five years, according to the NAVADMIN. The bonus will be distributed yearly, with no option for a lump sum.

The new retaining bonus could be evidence of the Navy's focus on retention as it faces a challenging recruiting

(concluded on next page)

E-Board Meeting Minutes...

(concluded from previous page)

the responsibilities of and boundaries between our base and the Lion's Club, since the latter has lately been maneuvering toward more involvement with the Memorial. Dave will add this to his agenda when meeting with the NWSSB Commander in October. It was suggested that *one* official from each of the three parties in question be established for consultation and determining permissions regarding Memorial upkeep and/or improvements, in order to avoid extraneous communications, toe-stepping and improper efforts.

Dennis was asked about progress with the engraver Paul Riggs had hired to create the plaques slated to go on the back of the Memorial sign facing Seal Beach Blvd., but Dennis said he had no knowledge of this. Dave suggested Dennis contact Paul to get updated information on the status of the plaques and cast dolphins understood to be part of the project.

Base Election Results:

Joe Koch has completed the results, with 22 ballots cast—about a 20% base member participation. Dave acknowledged that to be an acceptable number.

Installation Luncheon:

It was agreed that the New Officer Installation will take place here at the Glory Days Beachside Grill at 1100 hours at our usual meeting next month, and that it will be a no-host situation for lunch and drinks.

Eagle Scout Program:

Joe Koch was absent today to handle presentation duties at an Eagle Scout event. The program has been reactivated after a lull due to COVID, which had stopped all scout activity involving the Memorial. But now such activities should resume. Ed mentioned finding the Vice Commander's responsibility for the program per our By-Laws. Information regarding the Eagle Scouts can be found on the USSVI website, with certificates and instructions. Ed also mentioned that when he presents a certificate, he employs a short speech comparing how an Eagle Scout candidate must perform a litany of tasks to achieve his award, much as we submariners did when undergoing the qualification process to earn our Dolphins. Ed also presented Dave with his own long-overdue Eagle Scout certificate from the subvets. BZ, Dave!

Membership Update:

With Marilyn Senior unable to attend today, Dave pointed out we still have approximately a hundred members, many of them residing some distance away, even in other states. Dave mentioned checking out the list of Members at Large provided by National; after screening for those in our locale and specifically contacting them with invitations to join our base, the mysterious majority response was, "I'm not a joiner."

Electronic Enhancements for Future Meetings:

It was discussed that concurrently holding our in-person meetings with an active Zoom link would permit those members too far away (or otherwise unable or unwilling to attend in person) to still participate—as was the norm during the worst of the pandemic. This could apparently be accomplished with little effort during future meetings. Darin explained we could even hook up to onsite TV monitors at the Glory Days Restaurant for video presentations and an enhanced presence, as well as record meetings for later access via the internet. He said he will address the plan with the Glory Days mnagement.

Good of the Order:

Ron Wagner informed the group that today was the anniversary of the signing of the United States Constitution: 9/17/1776.

Mike brought up that we are experiencing a steady depletion of our base treasury. The high cost of ongoing storage for our memorabilia remains a big contributor to this problem, forcing us to consider alternative storage arrangements (perhaps once again on NWSSB property?) or even dispersal through sales. Dave again linked this issue to his forthcoming meeting with NWSSB Command over what our long-term future on the base may or may not entail. We await this information before making any major moves or decisions. It was also reaffirmed, via a question from Jeff, that Darin Detwiler still plans at some point to inventory/catalog our stored materials so informed decisions can eventually be made about their ultimate disposition. Many suggestions were offered about this issue during the discussion, but again, firm decisions await the results of Dave's meeting with new Captain of the NWSSB Base.

There being no further business, Bill Moak motioned the meeting be adjourned; Mike Swanson seconded and it was passed by all present, ending the meeting at 1111 hours.

Respectfully submitted,



New Retention Programs

(concluded from previous page)

environment. Already, the Navy has offered recruiting bonuses, with up to \$50,000 for certain billets.

The Navy has been successful in meeting its retention goals, although they focus on sailors with up to 14 years of service, whereas the new program targets those with 19+ years.

For nuclear submarine platforms, the Navy is aiming to keep 67 percent of sailors with up to six years, 77 for those with six to ten years and 87 percent of those with ten to fourteen, according to a NAVADMIN from January.

The Navy was on target to meet its goals and had already exceeded them for the sailors with up to six years, *USNI News* previously reported.

However, the Navy is also aiming to target specific billets, introducing the DMAP system to keep sailors at sea longer, *USNI News* previously reported. The Navy launched the pilot in March with four billets: aviation boatswain's mate—aircraft handling, gas turbine system technician—mechanical and culinary specialist.

Now the Navy is targeting senior enlisted positions with a new pilot program, according to NAVADMIN 178.

Under this program, the aim is to fill senior leadership sea billets. It will start with positions available in the Nimitz Carrier Strike Group, the Bataan Amphibious Ready Group, and on USS *George Washington* (CVN-73).

China Has Moved Its Secret New Submarine Closer to Taiwan

(Reproduced from the Gadget.com website - published August 12, 2022.) by Myroslav Trinko



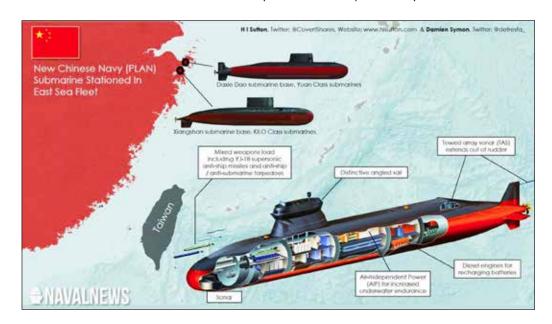
New Chinese Yuan-class non-nuclear submarine. (Reuters photo.)

hina's eastern navy, which is based opposite Taiwan, has received a new submarine.

What we know...

The publication *Naval News* writes about it. The new submarine is China's most advanced non-nuclear submarine. It is a new variant of the Type-039A *Yuan* class. Unfortunately, China keeps the exact name of the submarine a secret. According to the analysts, it could be Type-039C or Type-039D.

It is known that the submarine was built in Wuhan, and then it was transferred to Shanghai for rework. Now the submarine has been officially commissioned, just over a year after its launch.



J-50, A Little Piece of Heaven ... by Dex Armstrong

(concluded from page 13)

Grenfell was a salty World War II submarine skipper, tough as nails. A no-bullshit guy who wasn't going to play "Mother-May-I?" with any tinhorn can sailor—and DesLant knew it.

The next day we were given the top floor of a modern, brand new barracks on the Main Naval Operating Base: "J-50." The first night, Admiral Grenfell came up to the top deck with the Chief Master-at-Arms in charge of the lower decks.

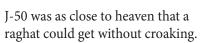
"Gather 'round, boys," he said. "For those who don't know me, I'm Vice Admiral Grenfell, Submarine Force, Atlantic. On behalf of the Force, I would like to apologize for the delay in providing these barracks for you. From here on out you'll have a place for your ashore gear, so you can get your civilian clothes out of the locker clubs. I will expect you to police this space and change these racks regularly. And turn in your dirty linen and draw fresh changes at least once a week. I will hold you senior petty officers responsible for maintaining order up here. Any nonsense and your skippers will get a personal call from me and have to make a detailed report on the action taken. Believe me, you don't want that. When I light up a three-striper, he isn't very happy and adverse consequences usually run downhill. Am I fully understood?"

"Yessir." "Yessir." "Yessir."

"My advice would be to settle differences somewhere other than here, take care of your drunks, hold down the grabass and racket and keep your chippies out of here. Use common sense lads. You're all grown men—act like it. And one last thing: from here on in, don't let me catch any of you men dragging mattresses topside. Looks like hell. Carry on, gentlemen."

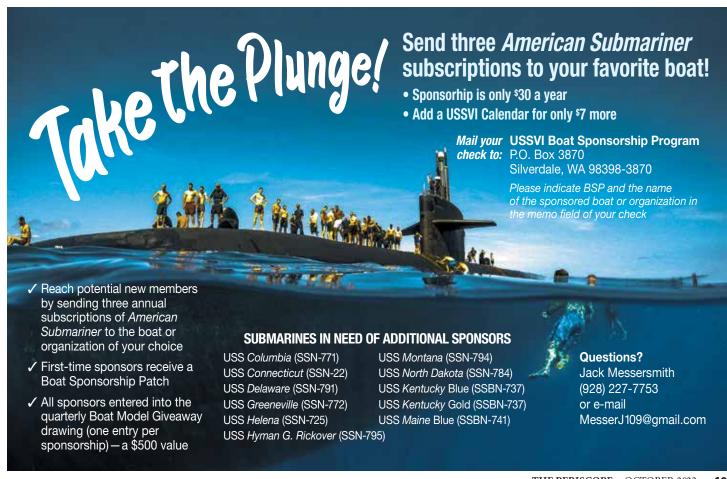
I was there. Hemming was there. Stuke was there. When the Old Girl put her lines over, we now had a place to go. A place to drown our fleas in forty-five-minute sessions

under water two degrees below live steam. A place to listen to a radio. Play records. Lose money in all-night poker games. Tell lies half the night. Read and catch up on some sleep.



Keep a zero bubble ... Dex.





The following text exchange with Bill Dillon just came in from Marilyn Senior—who wanted to share it with us. Immediately below is her update first.—ed.

Our Bill Dillon will be 98 on September 6th. He just finished seven weeks of radiation and chemotherapy treatments after being diagnosed with bladder cancer; he's currently staying his youngest son in Kebab, Utah. He's a great texter! Here are his latest texts to me...

Hi Marilyn: I'm in Utah for a couple weeks with my youngest son, Joe. Near Bryce and Zion National Parks at 8000 ft. elevation. He has a very large cabin on about 7+ acres. Beautiful place.

I finished my seven weeks of radiation treatments. Feel great. No side effects.

I attended "Wings Over Wendy's" meeting on Monday. Here's a photo of Duke Gao, a Los Angeles deputy. He gave a talk. Gerry took a photo of us both.



ing you. Take care, Marilyn

His reply to Marilyn:

No problem with flooding. Outlook looks good. Should have no problem. Looking forward to a great big bash on my 100th! I'm also looking forward to a restarting back up with you guys. Miss them!

Marilyn remarked separately to me: He is looking great for a 98 year old. Not slowing down at all. Thought this might be of interest for your next *Periscope*.

Regards,

Marilyn

Marilyn Senior, Membership Los Angeles-Pasadena Base, USSVI 1278 W. Sepulveda Street San Pedro, CA 90732-2948 email: marilyn.senior@gmail.com cell: 310-503-3915



My book on the *Sailfish* is essentially finished. Hope to publish it by year's end. You will find it interesting! See if you can view the website of the writer at www.stephenlmoore.com. You should see me with him and the books he has authored and published. The working title at the moment is *Strike of the* Sailfish.

Marilyn's reply to Bill:

Looking good for 98. Hope you haven't encountered flash flooding on your trip. Crazy weather right now. So glad you are feeling good with your side effects at a minimum. What do the doctors say about your condition? Have been miss-



Artist's rendering of a new Columbia-class ballistic missile submarine. (U.S. Navy illustration.)

SEALION

In memory
of the
fifty-two
submarines
lost in
World War II

S-36 **SCULPIN** S-26 **CAPELIN SHARK I SCORPION PERCH GRAYBACK TROUT** S-27 **GRUNION TULLIBEE** S-39 **GUDGEON ARGONAUT HERRING AMBERJACK GOLET GRAMPUS** S-28 **TRITON ROBALO PICKEREL FLIER GRENADIER HARDER RUNNER SEAWOLF** R-12 **DARTER SHARK II GRAYLING POMPANO TANG CISCO ESCOLAR** S-44 **ALBACORE DORADO GROWLER WAHOO**

CORVINA
SCULPIN
SCULPIN
SWORDFISH
CAPELIN
BARBEL
SCORPION
KETE
GRAYBACK
TRIGGER
TROUT
SNOOK
TULLIBEE
LAGARTO
GUDGEON
HERRING
GOLET
S-28
ROBALO
FLIER
HARDER
SEAWOLF
DARTER
SHARK II
TANG
ESCOLAR
ALBACORE