



PRIDE RUNS DEEP



"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



My buddy, **Chuck Senior.** He hates to be put in the limelight, but I'm way past due in acknowledging what fun it is to work with him in helping to produce *American Submariner* magazine. Thanks for all the laughs, Boss! —Jeff

SSN(X): The U.S. Navy Has Big Plans for Its Next-Generation Attack Submarine

(Reproduced from the 19FortyFive website - published March 14, 2023.)

by Kris Osborn

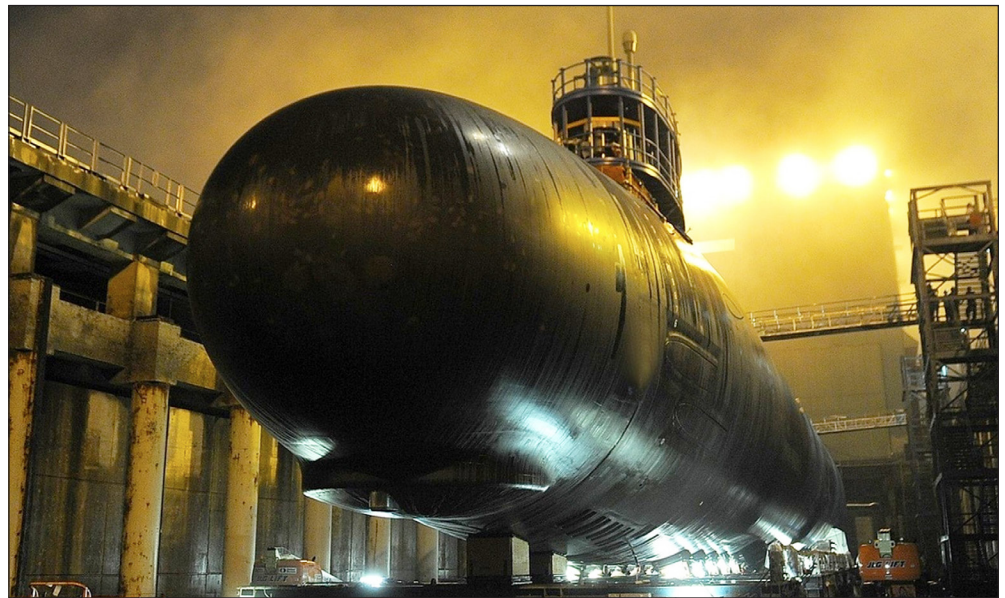


Image of U.S. Navy attack submarine under construction. (Image:: Creative Commons.)

SSN(X): What We Know Right Now – The technological advances being built into Block V *Virginia*-class attack submarines might seem difficult to exceed.

Nevertheless, the U.S. Navy is undertaking early conceptual work and experimentation on a series of possibilities for a new generation of attack submarines planned to emerge in the 2030s.

There are a number of critical missions that will be expected of future attack submarines.

Quietly conducting clandestine reconnaissance missions close to enemy shorelines, launching small groups of Special Operations Forces, and controlling undersea drones to probe and target the boundaries of an enemy perimeter are a few of the assignments that will likely be expected of the U.S. Navy SSN(X).

SSN(X) – Bigger Boats

There are not many details available on what this submarine might look like, but several industry developers suggest it may be much larger than the *Virginia*-class boats.

Several years ago, an interesting report from *USNI* cited expert industry developers saying

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From the Wardroom...



Dave Vanderveen,
Base Commander

Shipmates and Ladies,

Welcome to June!

Our Memorial Day ceremony this year was done well if I do say so myself. Captain Jessica O'Brien, CO of the Weapons Station, welcomed us, and LCDR John Sison of Subron Eleven was our keynote speaker. It was gratifying that both stood by monuments on the ellipse during our "Tolling the Boats" ceremony. Many of the guests enjoyed chatting with them after we adjourned. After we loaded our gear into my truck, I spent some time among the 3,836 submariners whose names are listed on those monuments for having perished aboard their submarines. That total consists of 3,505 who went down with their boats, 103 who died on boats which made it home, and the 228 lost on *Thresher* and *Scorpion* in the '60s. (Hat tip to L.A.-Pasadena Base member Charles Hinman of the USS *Bowfin* Museum in Pearl Harbor for that information.)

We have begun preparatory work for the Independence Day Parade in Huntington Beach. Bonefish Base will join us again this year, and we plan to have a good Subvets turnout. The crowd was substantial in 2022, but not up to the 400,000+ who attended in 2019 before the pandemic lockdown stopped the parade for two years. City of Huntington Beach staff is anticipating a much larger turnout than last year. By the way, ABC-TV provides the attendance information using their crowd estimating technology. They don't just pull the number from where the sun doesn't shine!

This summer we'll also enjoy our traditional annual SteakFest in June, plus our annual "Leroy Stone Memorial Picnic and White Elephant Auction" in July—both now scheduled to take place at the VFW Hall in Anaheim. We'll also proceed with transferring our equipment and memorabilia from commercial storage to a longer-term location. Shipmates Greg Paulson and Ray Teare have each offered space on their own property to help us out. We need to determine which works best and causes the least disruption to their families, and then we can do the heavy lifting.

Another Subvet tradition—a very honored one—is the Holland Club; the inductions for this group are always gratifying under any circumstances. (For the casual reader, membership in the Holland Club is awarded fifty years after initial qualification in submarines.) Ron Jones was presented with his Holland Club award during our May monthly meeting, this time held at the WWII Submarine Memorial - West after conducting a Field Day there to prep the site for our Memorial Day commemoration. That short, simple presentation ceremony for Ron was especially moving because many of his family attended in person and heard for the first time how difficult submarine qualification can be and why it protects a crew and their boat—and of course also because we were all standing among the monuments to so many courageous submariners lost in the line of duty.

As always, please consider if and how you may be exposed to illness as you go through your day, and do your best to protect your health. Let's all enjoy our summer!

Dave

Dave Vanderveen, Commander
Los Angeles-Pasadena Base



May General Meeting Sailing List

Herb "Bo" Bolton
 Dennis Bott
 Darin Detwiler
 Ken Dorn
 Sam Higa
 Ron Jones
 (and family)
 Joe Koch
 Jack Mahan
 Bill Moak
 Greg Paulson
 Chuck Senior
 Mike Swanson
 Ray Teare
 Dave Vanderveen
 Dennis Walsh
 Stan Westrick



Minutes of May 20, 2023 General Meeting

Base Commander Dave Vanderveen called the General Meeting of the L.A.-Pasadena Base to order at the WWII Submarine Memorial site in Seal Beach, CA at 1124 hours. Dave then led the Pledge of Allegiance, followed by request for a moment of silence for our departed shipmates.

Dave indicated the April E-Board meeting Minutes and Treasurer's Report had been approved by that body earlier in the day.

Treasurer's Report:

Mike Swanson then read the report into the Minutes, current as of 5/19/2023. *(The Treasurer's Report appears in the E-Board Meeting Minutes elsewhere in this issue as usual.—ed.)*

Memorial Update:

A discussion took place regarding the work performed by the Lions Club, plus that still needing to be accomplished on May 27. The NWSSB Public Works will be trimming the hedge and mowing the lawn. They will also place tent stakes in such a manner as to not damage irrigation lines. While erection of a new trellis was denied, the scout, assisted by Dave, will remove the old trellis, and use what parts remain viable to repair the one behind the *Thresher* and *Scorpion* monuments. It may be suggested to NWSSB command that shrubbery be used to replace the trellis.

Holland Club Presentation to Ron Jones:

Dave made a lengthy presentation to Ron in the presence of many of his family members. Ron spoke in appreciation of the honor of this presentation being conducted at this particular site, and how important it was to him.

Membership Update:

Dave explained our membership stands at 102, with one recent addition, and two candidates-in-progress.

Western Regional Roundup Update:

Dave confirmed he'd attended the convention and lauded many of the seminars available there. Among those he participated in, L.A.-Pasadena Base was held up as an example of how to conduct meetings, get involved in the community, and encourage the involvement of members. Discussed at the E-Board meeting was the possibility of our base sponsoring the Western Region Roundup in the future, or perhaps even sponsoring the National Convention in 2025.

(concluded on next page)



**Ad Still Here by
Popular Demand!**



Just the Place for Killer MidRats!

Hey, know anyone on boats out of New London? Or, planning a visit to Groton yourself? Drop anchor at this local dive: **Wings'n'Pies** at 924 Route 12, just down the road from the Base's Main Gate. Your editor enjoys firsthand knowledge that the pizzas here are some of the tastiest and sloppiest around. Forget those extra napkins—just wipe your greasy fingers on your shirt and they'll think you've been hanging out with the A-Gang!



General Meeting Minutes...

(concluded from previous page)

4th of July Huntington Beach Parade:

L.A.-Pasadena Base has been approved as a participant, and Bonefish Base with their giant model submarine has likewise been invited.

June Meeting Plan:

We will conduct our annual "SteakFest" at the Anaheim VFW on our regular meeting day. As in the past, Dave will again order the steaks from the same butcher.

Our 50-50 raffle was not conducted at this meeting due to the prohibition of fundraising on Navy property.

The Good of the Order:

Mike suggested paying the Anaheim VFW for the privilege of using of their facility. Dave assured us that discussions with a chapter member liason had determined this was not necessary. It was decided we would continue on with this understanding with the VFW for now, then reconsider.

Darin mentioned that he will be attending a Film Festival in New York, given his participation in a cable documentary called *Poisoned* which will be screened there. Congrats and good luck to Darin.

There being no further business, Bill Moak motioned for adjournment; this was seconded by Ray Teare and approved by all present, adjourning the meeting at 1200 hours.

Respectfully submitted,

Bill Moak

Secretary, L.A.-Pasadena Base, USSVI



PRIDE RUNS DEEP

SteakFest Meeting at Anaheim VFW Hall!

June Meeting

Date: June 17, 2023

This month we're back at the Anaheim VFW Hall—and the steaks are on the base! It's potluck for the rest, so please bring your own plates and utensils, plus your own drinks and a dish to share (see below). Parking's behind the building.

Location:

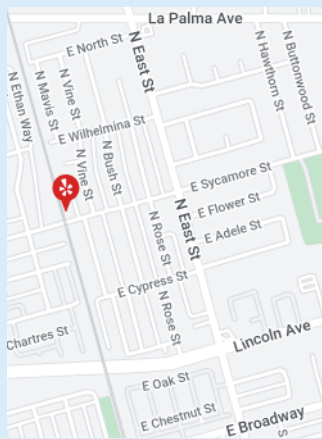
VFW Post 3173, Anaheim
805 East Sycamore Street
Anaheim, CA 92805

Times:

- E-Board Meets: 10:00-11:00
- Social Time/Lunch Setup: 11:00-11:30
- Lunch: 11:30-Noon
- General Mtg.: Noon-1:00 (must vacate premises at 1:00)

Lunch: Potluck. Assignments by last name as follows. Remember to bring needed serving utensil(s).

- A-H — Salad or Vegetable
- I-R — Dessert
- S-Z — Salad or Vegetable

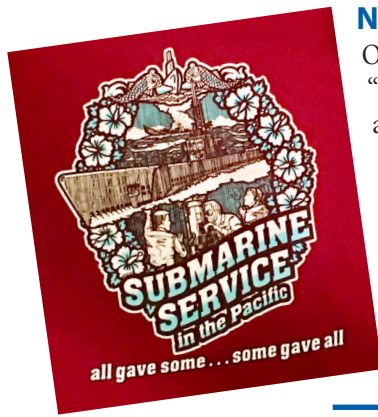


June Birthdays

We hereby extend the happiest of wishes to all our L.A.-Pasadena Base birthday celebrants.

- Milt Boudov 6/3
- Bob Frazier 6/23
- Ken Dorn 6/26
- Angus McColl 6/29

Ship's Store



New Reduced Price on T-Shirts!

Our ever-popular L.A.-Pasadena Base "Submarine Service" tees are once again selling like fresh whites after a fall down the pump room hatch! Now a mere **ten bucks** apiece, there's no reason not to have a closetful. Contact Jack Mahan for yours, or just bring a few extra bucks to the next meeting, you skinflint!

2023 Calendars Still Available!

Order at ussvinationalstorekeeper.com
Or see details elsewhere in this issue. Don't miss out—they're selling fast!



Get in touch with our Storekeeper, Jack Mahan, at 714-349-5878 for more purchasing information.



USSVI Logo Patch
(9¾ x 6¾)
\$11.00 ea.



L.A.-Pasadena Base Patch
(3¾ x 5)
\$5.00 ea.



Holland Club Member Patch (3x3)
\$6.00 ea.

LOS ANGELES - PASADENA BASE

2023 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:

- Angus McCall • Joe Dow • Dennis Bott • Ed Barwick • Robert Cailor
Darin Detwiler (multiple donations) • Karen Silverman • Ron Jones
Sally Moran • Ken Dorn (multiple donations) • Greg Paulson
Gary Wing • Grant Chambers • Won't you help too?



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

JUNE TOLLING OF THE BOATS



USS HERRING (SS-233)

Lost on June 1, 1944 near Matsuwa Island on her eighth war patrol. *Herring* was conducting a surface attack when a shore battery spotted her and scored two direct hits on her fairwater, dooming the boat. *Herring* was the only U.S. submarine sunk by a land battery. Eighty-three men were lost.



USS R-12 (SS-89)

Lost on June 12, 1943 near Key West, Florida during a practice torpedo approach. The loss was likely due to flooding through a torpedo tube. The CO and two other men on the bridge survived, as did eighteen crew members on liberty at the time of the accident. Forty-two went down with the boat, including two Brazilian officers aboard as observers.



USS GOLET (SS-361)

Lost on June 14, 1944 during her second war patrol when she came up short in a pitched battle with Japanese anti-submarine forces north of Honshu. Eighty-two men perished aboard the submarine.



USS BONEFISH (SS-223)

Lost on June 18, 1945 *Bonefish* was sunk near Suzu Misaki while subjected to a savage depth charge attack after sinking a passenger-cargoman. A recipient of three Navy Unit Citations, *Bonefish* had been on her eighth war patrol. She took eighty-five men with her on Eternal Patrol.



USS S-27 (SS-132)

Lost on June 19, 1942 when she ran aground off Amchitka Island. *S-27* had been on the surface in poor visibility, charging her batteries, when she drifted onto the shoals. Once determined she could not free herself, and with a dangerous list beginning as well, the captain evacuated the entire crew to shore—some 400 yards distant—in relays using a three-man rubber raft. The entire crew was subsequently rescued.

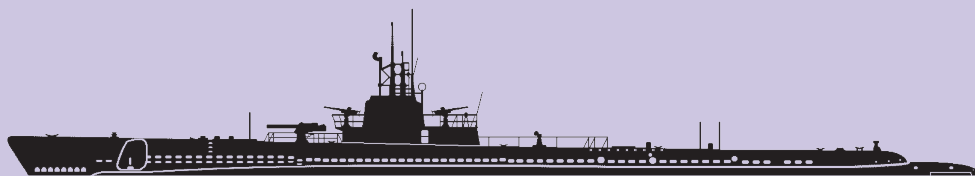
USS O-9 (SS-70)

Lost on June 20, 1941 when she foundered off the Isle of Shoals, fifteen miles from Portsmouth, New Hampshire. Thirty-three men were lost.



USS RUNNER (SS-275)

Lost sometime between June 26 and July 4, 1943, *Runner* had been on her third war patrol when she went down, probably due a mine. Prior to her loss, she had reported sinking a freighter and a passenger-cargo ship off the Kuriles. Her last known attack and ship sinking had taken place on June 26, so she probably struck the mine on or after that date but before July 4, when she was scheduled to return to Midway. Seventy-eight men never came home.



WE REMEMBER For those who gave their lives in defense of our country WE REMEMBER

China's New Role for Its Nuclear Subs Has Pentagon's Attention

(Reproduced from the Fox News website - published April 4, 2023.)

by Anders Hagstrom



Rare photo appears to show Chinese submarine using secretive underwater cave at South China Sea base. (Business Insider photo.)

China's military has adopted a policy of keeping at least one nuclear-capable submarine at sea at all times, the U.S. military has determined.

The Pentagon announced the discovery in a little-known report in late November of last year. China maintains a fleet of six nuclear-capable submarines, carrying missiles that could hit the continental United States from the South China Sea.

Analysts say China's new policy will place further strain on U.S. and allied forces in the region as they attempt to track China's vessels.

"We're going to want to have our [nuclear-powered attack submarines] trying to tail them...so the extra demands on our assets are clear," Christopher Twomey of the Naval Postgraduate School in California told Reuters. "But the point here is that the information—the near-continuous patrols—has changed so rapidly that we don't know what else has changed."

The new patrols indicate that China has adopted policies echoing Western countries' tradition [of a] nuclear triad. The triad of land-, air- and sea-launched nuclear missiles serves as a deterrent by assuring that any nuclear attack would face

retaliation.

Analysts say the updated policy would indicate that China has likely made many other structural changes to its navy that the U.S. and its allies are not aware of.

The Pentagon's report on China's new submarine activity comes just as the U.S., U.K. and Australia have entered into an agreement for the production and sale of nuclear-powered attack submarines. Australia will purchase the vessels to modernize its fleet.

Such attack submarines are prime candidates for tracking missile submarines like the ones China has deployed, and increasing Australia's capabilities will take some pressure off of U.S. and U.K. forces in the region.

"We all recognize the imperative of ensuring peace and stability in the Indo-Pacific over the long term," President Biden said in September, 2021, when the deal with Australia and the U.K. was announced. "We need to be able to address both the current strategic environment in the region and how it may evolve."

Reuters contributed to this report.

After Final Trip from Guam, USS Key West Arrives in Bremerton for Decommissioning

The L.A.-class submarine's final stop will be at Puget Sound Naval Shipyard after a 35-year career.

(Reproduced from the Kitsap Sun website - published February 16, 2023.)

By Peiyu Lin



The USS Key West (SSN-722) transits the Puget Sound before mooring at Bremerton on Feb. 10. The Los Angeles-class submarine is scheduled for decommissioning at the Puget Sound Naval Shipyard this year after her 35 years of service. (U.S. Navy photo by Mass Communication Specialist 1st Class Brian G. Reynolds.)

BREMERTON — From Guam to Washington. Twenty-five days of sailing through the Pacific Ocean became the final journey of USS *Key West* (SSN-722) after the *Los Angeles*-class submarine served her country for over 35 years.

After departing from Apra Harbor in Guam on Jan. 17, the *Key West* arrived at the Pier Delta of the Puget Sound Naval Shipyard in Bremerton at approximately 4 p.m. last Friday. The sub shifted homeports to Bremerton for its eventual decommissioning, Submarine Group 9 spokesperson, Lt. Corey T. Jones confirmed.

About 120 sailors arrived in Kitsap County with the subma-

rine, Jones said. Awaiting them was a warm welcome from the local military community, and the Navy League of the United States Bremerton-Olympic Peninsula Council plans a welcome reception for the crewmembers at 5 p.m. Feb. 24 at the Horse and Cow in Bremerton.

Crewmembers are excited to have arrived in Bremerton to begin the final chapter of the ship's 35-year service life, Cmdr. Jeb Parm, Commanding Officer of USS *Key West* noted.

“We look forward to continuing the *Key West* legacy for the next few months in support of submarine operations in the Pacific Northwest before beginning our inactivation and decommissioning process this fall,” Parm said in a written statement to the

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USS Key West Retires

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Kitsap Sun.

Built at Newport News, Virginia, USS *Key West* was launched in 1985 and commissioned in September, 1987. The sub is the third ship that owns the name of the Florida city of Key West.

The *Los Angeles*-class submarine supported missions that include anti-submarine warfare, anti-surface ship warfare, surveillance and reconnaissance, and strike warfare, according to the Navy.

The *Key West*'s deployment locations ranged from both coasts of the United States to oceans around the world throughout its service time. In 2001, the ship participated in Operation Enduring Freedom following the September 11 attack, launching Tomahawk cruise missiles into Afghanistan during the operation. It also participated in Operation Iraqi Freedom in Jan. 2003.

In 2010, the USS *Key West* returned to Pearl Harbor for an extended overhaul and was equipped with newer technology in fire control and sonar equipment. The sub shifted her homeport to Guam in 2012.

A four-month deployment that ended in November, 2022, was USS *Key West*'s last deployment before her planned inactivation and decommissioning at the Puget Sound Naval Shipyard. The sub visited Busan in South Korea and Yokosuka in Japan as part of her deployment to the Indo-Pacific, according to the Navy.

The Navy's temporary suspensions of submarine drydocking at Drydocks 4, 5, and 6 at PSNS and a drydock at Trident Refit Facility Bangor could affect timelines. While the Navy has started some seismic mitigation works at two of the four drydocks, following a seismic study that identified potential issues in late January, according to a press release from the Navy on Wednesday, some schedules in the shipyard may be adjusted.

"There will be some delays to availabilities scheduled for Drydocks 4, 5, and 6 in Bremerton while mitigations are put in place. Where possible, PSNS & IMF and TRF Bangor are restructuring work packages to continue maintenance pierside in the interim," Jones said.

Reporter Peiyu Lin covers the military for the Kitsap Sun. Reach her at pei-yu.lin@kitsapsun.com or on Twitter @peiyulintw.



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Please indicate BSP and the name of the sponsored boat or organization in the memo field of your check

- ✓ Reach potential new members by sending three annual subscriptions of *American Submariner* to the boat or organization of your choice
- ✓ First-time sponsors receive a Boat Sponsorship Patch
- ✓ All sponsors entered into the quarterly Boat Model Giveaway drawing (one entry per sponsorship) — a \$500 value

SUBMARINES IN NEED OF ADDITIONAL SPONSORS

USS <i>Columbia</i> (SSN-771)	USS <i>Montana</i> (SSN-794)
USS <i>Connecticut</i> (SSN-22)	USS <i>North Dakota</i> (SSN-784)
USS <i>Delaware</i> (SSN-791)	USS <i>Kentucky Blue</i> (SSBN-737)
USS <i>Greeneville</i> (SSN-772)	USS <i>Kentucky Gold</i> (SSBN-737)
USS <i>Helena</i> (SSN-725)	USS <i>Maine Blue</i> (SSBN-741)
USS <i>Hyman G. Rickover</i> (SSN-795)	

Questions?

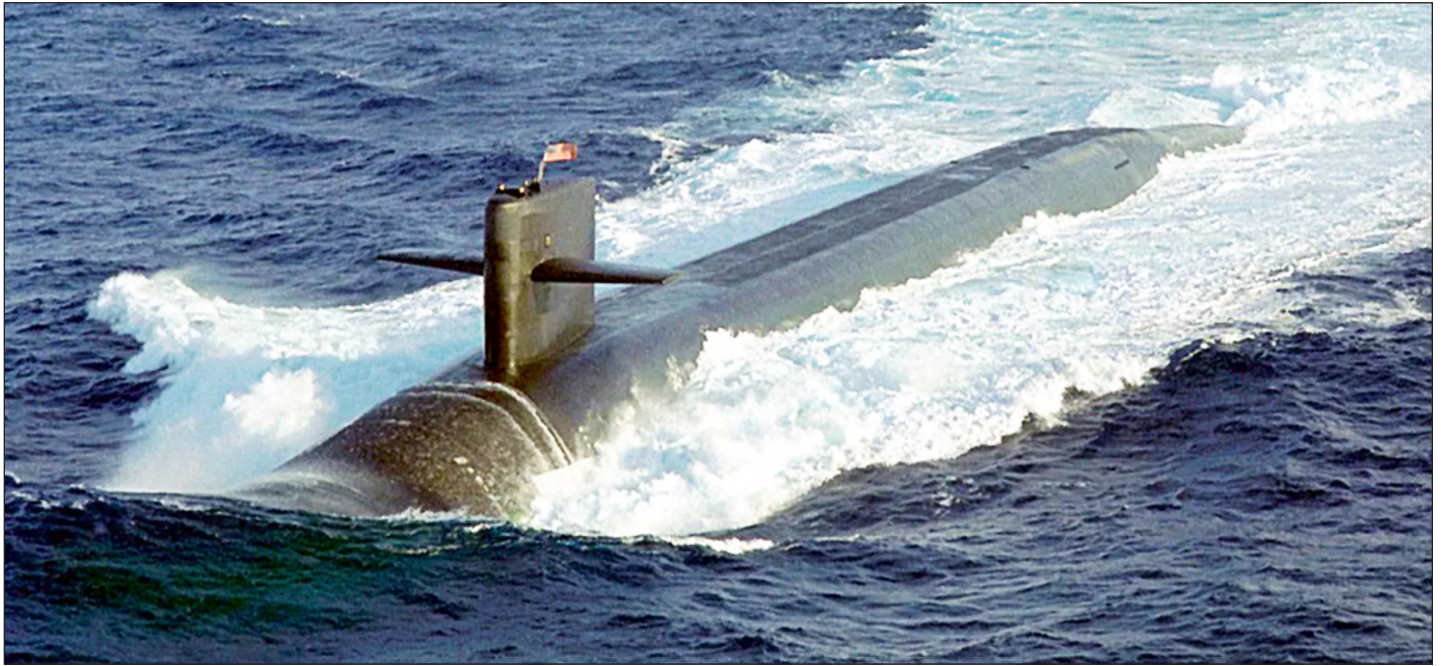
Jack Messersmith
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or e-mail
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Will Nuclear-Armed *Columbia*-Class Submarines Be the Stealthiest Ever?

U.S. Navy Nuclear-Armed Ballistic Missile Submarines Are the Backbone of U.S. Strategic Deterrence

(Reproduced from the Warrior Maven website - last updated March 22, 2023.)

by Kris Osborn, President, Center for Military Modernization



Ohio-class submarine transits on the surface. (U.S. Navy photo.)

Lurking secretly in dark waters around the world holding potential adversaries at risk of nuclear destruction from unknown locations, U.S. Navy nuclear-armed ballistic missile submarines offer the backbone of U.S. strategic deterrence. Undersea strategic deterrence essentially guarantees second-strike retaliatory catastrophic destruction of any adversary who attacks the U.S. with nuclear weapons.... thus preventing war by ensuring the complete annihilation of any country launching a nuclear first strike on the U.S. The promise of total destruction, somewhat paradoxically one might say, keeps the peace.

This conceptual premise is why, for many years now, the Pentagon has identified the now emerging *Columbia*-class nuclear-armed ballistic missile submarines as a number one DoD acquisition priority. After years of science and technology, prototyping and advanced design specs, the U.S. Navy is now building its first *Columbia*-class submarine, slated to arrive at the end of the decade. Designed to replace the aging fleet of *Ohio*-class ballistic missile submarines which have performed admirably for decades—well beyond their expected service life—the *Columbias* will introduce a wide sphere of new technological leaps forward in the undersea realm.

The innovations woven into the *Columbia*-class submarines are numerous, perhaps the most significant of which is the way it is built with a new, ultra-quiet electric drive propulsion system replacing legacy hydraulic systems. Among other things, this means that *Columbia*-class submarines will be much harder to detect than existing *Ohios* and therefore be better positioned for clandestine strategic deterrence missions. An electric drive has other advantages as well, as it enables more on-board electrical power sufficient to sustain onboard command and control, navigational systems and energy necessary for many of its technologies.

Navy engineers explain that in today's *Ohio*-class submarines, a reactor plant generates heat which creates steam. The steam then turns turbines which produce electricity and also propel the ship forward through "reduction gears," which are able to translate the high-speed energy from a turbine into the shaft RPMs needed to spin a propeller.

Columbias are also being built with a new X-shaped stern intended to improve both maneuverability and quieting for the submarine. A great advantage with *Columbias* is that they are built with a "life-of-core" nuclear reactor not needing to be drydocked for

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The Latest on SSN(X)

(concluded from page 1)

that there may be certain acoustic or quieting advantages associated with a wider submarine hull, as it would allow “ship designers to build in more sound-deadening technology” and increase the boat’s speed.

The industry official cited in the *USNI* report suggested that the new SSN(X) could wind up being as large as a *Columbia*-class boat. This means the new submarine might travel with a much heavier arsenal of firepower that includes Tomahawk cruise missiles or torpedoes.

Perhaps of greater significance, it might be able to transport larger groups of SOF personnel and launch many more drones.

New undersea drones are increasingly able to take off undersea from submarine missile tubes, taking on new missions to counter mines, find enemy surface ships and submarines, or conduct reconnaissance missions in high-threat areas.

While *Virginia*-class Block V boats carry as many as 40 Tomahawk missiles for expanded firepower, they are also increasingly capable of undersea intelligence, surveillance, and reconnaissance missions due in large measure to advances in undersea quieting technologies.

The new SSN(X) submarine would very likely incorporate newer iterations of quieting technologies, perhaps building on those incorporated into *Virginia*-class submarines.

Special Forces and Advanced Drones

Many *Virginia*-class Block III and beyond submarines operate with a handful of innovations initially built into a prototype *Virginia*-class Block III boat years ago.

Stealthy New *Columbia* Class

(concluded from page 10)

lengthy mid-life refueling procedures. This massively improves operational tempo, deployability and mission resilience. It is the reason why the Navy plans to build only twelve *Columbia*-class boats to replace the current fleet of fourteen *Ohio* submarines.

Yet another interesting element of the *Columbia* class is that it is being engineered with a handful of innovations now integrated into the U.S. Navy’s Block III *Virginia*-class attack submarines. These include the integration of a fiber-optic cable linking periscope sights to command and control centers within the boat, removing the need for submariners to stand directly below a periscope. Depending upon how the cable is configured, commanders can view periscope images from anywhere within the submarine. An equally if not more impactful *Virginia*-class Block III innovation is the “fly-by-wire” navigational system

While many of the details are not available for security reasons, generally speaking the innovations relate to new coating materials to lessen a boat’s acoustic signature, next-generation antenna technology for more secure and longer-range communication, and special quieting technologies built into the propulsion system.

Block III *Virginia* boats are also built with a “fly-by-wire” navigation system where speed, depth, and power can be automated to the extent needed by a built-in computer system, removing the need for a manual hydraulic navigational system.

The ability to launch and recover drones and launch SOF missions are perhaps the most critical elements of the planning now being built into the SSN(X).

With this in mind, years ago the Navy embarked upon a special SOF “analysis of alternatives” to help establish the most optimal methods of deploying special operations forces from undersea. They can rescue hostages, conduct covert reconnaissance, or stage ambushes from undetected locations.

Added to this are increasingly autonomous mine- and submarine-hunting undersea drones. One mine-attacking undersea drone called the Barracuda can semi-autonomously track and destroy enemy mines, detonating them upon confirmation through wireless undersea communications.

A larger attack submarine, then, could greatly multiply tactical options for SOF delivery, attack with greater firepower, and possess an unprecedented ability to launch and operate unmanned systems from beneath the sea.

Kris Osborn is the Military Affairs Editor of 19FortyFive.

also built into the *Columbias*. Instead of needing to rely upon hydraulic or mechanical navigation, fly-by-wire uses computer automation to regulate speed, depth and other critical navigational variables, while still ensuring human decision-makers function in a command and control capacity. This expedites the application of critical, potentially time-sensitive navigational adjustments.

Kris Osborn is the Military Affairs Editor of 19FortyFive and President of Warrior Maven - Center for Military Modernization. Osborn previously served at the Pentagon as a Highly Qualified Expert with the Office of the Assistant Secretary of the Army—Acquisition, Logistics & Technology. He’s also worked as an anchor or on-air military guest expert on several cable TV channels.

Signal Lights and Sailors

by Bob "Dex" Armstrong

Someone told me that Morse Code is a thing of the past in the Armed Forces and that global positioning satellites have done away with the need for Quartermasters—that all positioning is done by electronic technicians.

I don't think I would much like today's submarine duty. You crawl into one of those big, ugly-looking iron monsters; close the hatch and say "goodbye" to daylight, sunrises and sunsets, being bounced around in heavy seas, listening to the code beeping away in the radio shack, and seeing signal lights flashing back and forth at sea.

Signal lights and sailors. I never thought it would ever be otherwise.

You would be having a smoke and bullshitting with the manifold operators in Control when your duty Signalman would haul out the light and head up to the conn. You'd crush out your smoke in the chart table butt kit and swing up the ladder behind the skivvy-waver.

"Bridge, conn: Permission for two men to lay topside."

"Conn, bridge: Who are they?"

"Billingsly and Armstrong. Billingsly is hauling the Lucy Light. Said he wants to see if we can gin up a movie swap with somebody tomorrow morning. Tells me it's the Old Man's idea.... Armstrong just wants to air armpits, catch a smoke and see what the world looks like."

"Permission granted for Billingsly. Tell Dex to bring three black and bitters up with him."

And so it went. The gentle slap of the signal light shutters opening and closing. Take a second and close your eyes.... Hear it? That distinctive popping sound as an intermittent finger of flashing light reached to the horizon. If you rode smokeboats you can remember the sound.

"What's he saying?"

"Sir, he reads as follows... USS *Richfield*, Capt. Roscoe sends his compliments... Requires charts for Panama approach due to revised OP Order. Can you furnish?"

"Whatcha want me to tell him?"

"Return compliments from USS *Requin*, Capt. Edward Frothingham commanding. Then say, 'Wait one' while we check our charts."

It was sailor talk. Long-range sailor-to-sailor bullshit. The Signalman's trick was to execute the official message,

then bullshit with the lad on the other ship. While officers were working out their officer stuff, the Signalmen would be bitching about what they just had for chow, telling each other what they would do for two pairs of clean socks or just cussing their present OP orders.

There was a very comfortable feeling you got standing on the bridge watching two guys connect your boat to the world. And all you heard was the gentle slapping of those shutters.

Knowing the nuke navy, it's all a lot quieter. Just some damn-near silent dynathermal rizzofracting fizzmodulator cosmic wordsender that emits no sound above the decibel level of a ladybug fart and has a range of six thousand miles and thirty feet, with a ten-million-word transmission taking just under one second...has replaced a really neat shipmate and his magic light.

One thing about the gahdam Rickover Navy: The sonuvabitches are always replacing real live American Bluejackets with stuff you can't bum cigarettes off of.

Hey, you moonbeam propulsion guys: the sonuvabitch that swapped your signal light for whatever-in-hell you got for it, didn't do you a favor. He picked your pocket when you weren't looking.

Keep a zero bubble... *Dex.*



L.A.-Pasadena's Bill Dillon Finds Unique Way to Tailgate Dodgers



Spry, 98-years-young Bill Dillon pedals around Dodger Stadium on a tandem bike with John Hardin at the invitation of the Dodger organization to join in their pregame salute to vets. His sub pics were up on the big screen too!

New Members

We proudly welcome aboard:

Scott Hultner

(MM1-SS E6; Petty Officer, 1st)
Spouse: Geri
5341 Vanguard Avenue
Garden Grove, CA 92845-1512
cell: 714-325-7321
shultner@yahoo.com
(Qualified in 1974 on *John Adams*, SSBN-620; aboard till '78)

Larry T. Lovett

(Associate; Retired Pharmacist)
Wife: Robin
6632 Beachview Drive
Huntington Beach, CA
92648-2666
cell: 714-856-3508
rx4art@gmail.com
(Uncle lost on *Tullibee*, SS-284.)

Arthur B. Schwartz, Jr.

(HM2-SS E5; Petty Officer 2nd.)
Wife: Reta L.
13812 Reva Street
Cerritos, CA 90703-9062
cell: 562-972-7865
abschwartzjr@gmail.com
Qualified in 1975 on the
USS George Bancroft (SSBN-643)

David Detwiler

(Associate Member)
Wife: Mary Ellen
738 Madrid Street
San Francisco, CA 94112-3547
phone: 415-672-2294
dmdetwiler@att.net
Qualified in Life and
now enjoying retirement ;-)

Craig Ignatowitz

(IC2-SS E5; P.O.2c; '86-'92)
Partner: Anna Marie Lesh
6323 Capetown Street
Lakewood, CA 90713-1703
cell: 562-965-7710
Texasiggy@gmail.com
Qualified in 1988 on the
USS Henry L. Stimson (SSBN-655)

Charles R. Hinman

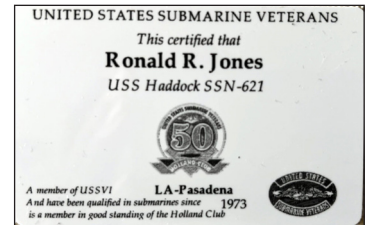
(Associate Member)
Wife: Keiko
2015 Lime Street, Apt. #904
Honolulu, Hawaii 96826-3930
cell: 808-561-2869
charles.hinman@gmail.com
Phone number at *Bowfin*
Museum: 808-423-1341



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

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

Ron Jones Inducted into the Holland Club at Our May 20th Meeting



A recent note from Bill Dillon: "Do you realize there are three guys in our base qualified 79 years or more? Harold Staggs at 81 years, Bill Dillon at 80 years, and Royal Harrison at 79 years. What a group accomplishment! The group should be proud and get the news out to the world!" (We're all proud, Bill. Mighty proud! Not to worry.—ed.) ;-)



Top: Ron accepts his Holland Club certificate from Dave at our base meeting held at the Memorial site; his Holland Club Card and Coin are also shown. Middle: Ron's family joins base members in celebration of his new Holland Club status. Bottom: A young Ron, back in the day.

Memorial Day Ceremony, 2023

Here are some shots from this year's traditional annual Memorial Day Ceremony on May 29th. Base Vice Cmdr. Darin Detwiler provides most of the photography along with his written coverage below. Enjoy! Salute.—ed.



A large number of veterans, family members, guests, and community members attended the 2023 Memorial Day ceremony held at the World War II National Submarine Memorial - West, located at Naval Weapons Station Seal Beach.

The observance at the Submarine Memorial included speeches by local community leaders, as well as the unique “tolling the boats” ceremony, during which each of the fifty-two U.S. submarines lost during World War II (as well as the two nuclear submarines lost since) were honored as the bell was tolled.

Scout Troop 568 from Huntington Beach, presented, stood watch over, and later retired the Colors. Major Rudy Hedgren of the Long Beach Salvation Army provided the invocation as well as benediction for the event.

Ann Grennan sang the National Anthem, the Navy Hymn, and “Taps.” Other musical performances included “Amazing Grace” by Bagpiper Chrissy Orcholski, and a stirring duet by Buglers Todd Oishi and David Oishi.



U.S. Navy Captain Jessica O'Brien, CO of the Naval Weapons Station, speaks at the ceremony.

Naval Weapons Station Seal Beach Commanding Officer, U.S. Navy Captain Jessica O'Brien, delivered the event's opening remarks.

U.S. Navy Lt. Cmdr. John Sison, having traveled up from San Diego, was the event's guest speaker. Having served previously aboard the USS *Virginia* (SSN-774), he currently serves as the Plans and Engagements Officer for Submarine Squadron Eleven, San Diego. Joe Koch, Jr. introduced the speaker.

Many USSVI Los Angeles-Pasadena Base members were in attendance and took part in the event. Base Commander David Vanderveen served as the Master of Ceremonies and the Caller of the Boats. Dennis Bott served as the 2023 memorial director. Paul Riggs led the Pledge of Allegiance and served as the official Bell Toller. Ed Barwick introduced honored guests, including Seal Beach Mayor Thomas Moore. Base Chief of the Boat Ray Teare supervised the flowers. Base Vice Commander Darin Detwiler served as the photographer and coordinated with the Lions Club of Seal Beach for pre-event memorial maintenance.—Darin Detwiler

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More Photos from our 2023 Memorial Ceremony



Photo at left:
Ann Grennan sings.



Photo at right: Paul
Riggs on Bell Tolling duty.



Photo at left: Guest
speaker U.S. Navy
Lt. Cmdr. John Sison
at the podium.





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

*(75-year members noted with *)*

- Ronald R. Jones 2023
- Gerard A. Krudwig..... 2022
- Gregory M. Paulson 2022
- Michael J. Swanson 2022
- Ralph J. Hansen 2021
- Robert F. Schive, Sr. 2021
- Larry D. Long 2021
- G. Judson “Jud” Scott, Jr.... 2021
- Edward E. Kushins 2020
- Bruce Evan Neighbors 2020
- David H. Vanderveen 2019
- Philip J. Jaskoviak..... 2019
- Dennis Bott 2018
- Robert “Mike” Cailor 2018
- Robert Miller 2018
- John A. Anderson 2017
- Roger C. Dunham, MD.... 2017
- Richard McPherson 2017
- Harry “Bill” Moak 2017
- Louis A. Myerson 2017
- Elliot Rada 2017
- Ronald G. Wagner 2017
- Dennis J. Walsh..... 2017
- Michael Kish..... 2016
- Gary Wheaton 2016
- Lawrence R. Butler 2015
- Samuel T. Higa 2015
- Harry P. Ross 2015
- Stephen C. Rowe 2015
- Charles H. Senior 2015

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**Los Angeles-Pasadena Base
2023 Calendar of Upcoming Events**

- January 21: Monthly Meeting - Glory Days Beachside Grill
- February 18: Monthly Meeting - Glory Days Beachside Grill
- March 18 Monthly Meeting - Glory Days Beachside Grill
- April 15 Monthly Meeting - Anaheim VFW Hall
Call for Memorial Day Prep Volunteers
- May 20 Field Day at the Memorial Site - 0900
Monthly Meeting - at the Memorial Site
Nominating Committee Appointed
Call for participants in the
Huntington Beach 4th of July Parade
- May 27 Tarp Prep at the Memorial Site - 0900
- May 29 Memorial Day Service - 1100
Submarine Memorial, West
- June 17 **Monthly Mtg. - Annual “SteakFest” at Anaheim
VFW Hall - Nominees for 2024 Base Officers**
- July 4 116th Annual...
Huntington Beach 4th of July Parade
- July 15 LeRoy Stone Memorial Picnic and
Auction - VFW Hall in Anaheim
- August 19 Monthly Meeting - Location TBA
2024 Base Officer Candidates Announced
- September 16 ANNUAL BUSINESS MEETING
Election of Officers - Location TBA
- October 21 Monthly Meeting - Location TBA
Annual Officer Installation Luncheon
- November 18 Monthly Meeting - Location TBA
- December 9 Annual Christmas Luncheon
at the Los Alamitos Golf Course

Larry E. Smith 2015
 Sam Aboulafia 2014
 David Palagyi..... 2014
 Earl Thomas Peratt, Jr. 2014
 David D. Semrau, DDS 2014
 Ray Tracy Teare..... 2014
 Milton Harry Boudov 2013
 Kenneth Jon Dorn..... 2013
 M. Mark Hoffer 2013
 Michael P. Klein..... 2013
 Ronald L. Levenson..... 2013
 Edward L. Arnold..... 2012
 T. Michael Bircumshaw.... 2012
 Raymond Cheesebrough . 2012
 Bobby O. Mahaffey..... 2012
 John V. Mahan..... 2012
 Lee Melody 2012
 Clyde Matthew Turner..... 2012
 George R. Walrath..... 2012
 John L. Weisenberger 2012
 Edward A. Barwick..... 2011
 Joseph W. Koch, Jr. 2011
 Stephen D. Diumentti 2009
 David Whittlesey..... 2009
 Dennis A. Yure..... 2009
 Armen Bagdasarian..... 2008
 Paul A. Riggs..... 2008
 Rex L. Shields..... 2008
 John L. Von Ulmen 2008
 Francis R. Traser..... 2006
 Ronald K. Thompson..... 2004
 Robert L. Conboy..... 2003
 James Rogers 2003
 John E. Savela, Jr..... 2003
 Berry S. Yolken 2002
 James E. Carter 1999
 William F. Long 1999
 *Herbert J. “Bo” Bolton.... 1998
 *Kenneth E. Chunn..... 1998
 *Royal Harrison, Jr..... 1995
 *William J. Dillon..... 1993
 *Harold Staggs..... 1992



E-Board Meeting Minutes of May 20, 2023

The Los Angeles-Pasadena Base, United States Submarine Veterans, Inc., Executive Board Meeting was conducted on the morning of Saturday, May 20, 2023.

In attendance:

- Dave Vanderveen, Base Commander
- Darin Detwiler, Base Vice Commander
- Bill Moak, Secretary
- Mike Swanson, Treasurer
- Dennis Bott, Memorial Director
- Herb “Bo” Bolton, Director
- Ken Dorn, Director
- Chuck Senior, Director
- Ray Teare, COB
- Ron Jones, Member, and his family

Base Commander Dave Vanderveen called the meeting at the WWII Submarine Memorial site in Seal Beach to order at 1003 hours with a quorum present. Minutes of the April meeting were reviewed with no revisions requested. Mike Swanson moved to accept the Minutes; this was seconded by Chuck Senior and approved by voice vote.

Treasurer’s Financial Report: Mike Swanson

The Treasurer’s Report as of May 19, 2023 was read into the Minutes by Base Treasurer Mike Swanson:

Checking	\$20,804.03
Cash On Hand	\$50.00
Uncleared Checks:	\$0.00
Total	\$20,854.03

All vendors have been paid up-to-date.

Income:	\$715.00
Expenses:	\$789.00

Flower/Booster Club Additions:

Ken Dorn	\$230.00
Darin Detwiler	\$35.00
Greg Paulson	\$20.00
Ron Jones	\$35.00
Gary Wing	\$15.00
Grant Chambers	\$100.00

Inkind Donations:	\$0.00
	total \$435.00

Again, there were no questions or corrections. Chuck Senior moved to accept the Treasurer’s Report; this was seconded by Darin Detwiler and approved by voice vote.

A discussion took place on the possibility of investing in CDs or Money Market accounts through our new bank, since we currently have no savings account(s). Mike Swanson will investigate this further.

A donation in the amount of \$100 has been sent by our base in support of the USSVI National Convention in Tucson this August.

Memorial Report and Ceremony Preparation:

Dave mentioned that Chuck Senior and Jeff Porteous had created an impressive flier providing background on the establishment and maintenance of the WWII Submarine Memorial. Details included how, why and when it was created, how it’s been maintained and improved upon over the years, and the role specifically played by WWII subvets in its creation.

(concluded on next page)

Japan Has World's First Lithium-Ion Battery-Powered Sub—Worth \$5.4 Billion and Can Carry Thirty Missiles

(Reproduced from the Gadget.com website; published March 22, 2023.)

by Maksim Panasovskyi



Japan's Kawasaki Heavy Industries has handed over the world's first submarine equipped with lithium-ion batteries to the Ministry of Defence. The *Taigei*-class submarine is called *Hakuhei*, which translates as "White Whale." It was unveiled in the autumn of 2020.

Here's What We Know

The *Hakuhei* cannot be said to be an electric submarine. Its lithium-ion batteries allow it to stay underwater for longer. That said, the submarine is equipped with a hybrid diesel-electric engine.

The advantage of this propulsion system is that the *Hakuhei* moves almost silently and has a minimal heat trace. The energy boost enables the submarine to accelerate quickly.

The *Hakuhei* is 84 meters long and has a displacement of 3,000 tons. The submarine has a top speed of 20 knots (37 km/h) and is capable of carrying up to thirty missiles.

The production of *Taigei* class sub is part of Japan's effort to modernize its naval fleet. The *Hakuhei* was the first *Taigei*-class sub. It costs about \$5.4 billion. By 2030, the Land of the Rising Sun wants 12 such submarines.

E-Board Meeting Minutes...

(concluded from previous page)

Dave made an appointment to meet and deliver the above to the NWSSB Command, but was denied base entry when it was discovered his biometric card had expired. He will look into accomplishing the task later.

NWSSB Command has also denied the Eagle Scout installation of a new trellis, but Dave will assist this scout in the removal of the current worn out one. The still-viable portion of the old trellis will be used to upgrade the one behind the *Thresher* and *Scorpion* monuments.

New 3' x 5' colors will replace the current colors for our Memorial Day ceremony.

On May 27, Scout Troop 568 will assist in all areas of preparation for the ceremony. We have received the okay to place tarps as a sound deterrent. (This had presented a big problem last year.)

All speakers, singer, poet and others are now onboard for the ceremony. Some discussion arose as to financial compensation for same, and whether such compensation had been made in the past.

Darin Detwiler has created documented evidence of who is to be contacted for all jobs required to successfully perform the prep and performance of our Memorial Day ceremony. This includes outside sources and those involved from the L.A.-Pasadena Base. BZ, Darin!

A work request was approved for May 27—which includes Lions Club assistance as well. The NWSSB maintenance crew will power-wash the hardscape, trim the hedges, place tent stakes, and provide chairs and awnings. (Darin thus communicated with the Lions Club that they needn't perform any power-washing prior to the event.)

Membership Update:

Dave mentioned our membership now stands at 102 strong, and reiterated that we are one of the most sound USSVI bases in terms of membership, financial health and participation by membership in meetings, activities and projects.

Western Regional Roundup:

Dave reminded us he'd attended the most recent Western Regional Roundup, stating there were many good seminars presented there. He went on to explain how he'd learned a committee exists with authority over conducting WRRs, including what and how bases can sponsor the convention. Dave suggested this as something our base might consider doing. Further discussion even mentioned our potentially sponsoring a National Convention. This will be a topic for future consideration.

4th of July Huntington Beach Parade Update:

Bo's daughter Susan got our application approved by parade authorities. The Bonefish Base has also been invited. Dave will broadcast an all-points e-mail to members, encouraging participation in the parade. The fabulous parade, largest west of Mississippi River, has great media coverage and outstanding spectator numbers: over 400,000 for 2019 as reported by ABC.

Our annual July picnic was mentioned, and will likely be held at the Anaheim VFW. Meanwhile, Dave will contact the butcher used last year to obtain steaks for our upcoming annual June "SteakFest" event.

Good of the Order:

Jack mentioned he had t-shirts for sale.

Ron Jones mentioned he'd discovered via the VFW, Anaheim, that "Boomers" can be accepted as VFW members.

Ken Dorn mentioned he has framed pictures to be auctioned at our picnic this summer, and had one example to show us at the meeting.

There being no further business, Mike Swanson motioned the meeting be adjourned; Darin Detwiler seconded and it was passed by all present, ending the meeting at 1109 hours.

Respectfully submitted,

Bill Moak

Secretary, L.A.-Pasadena Base, USSVI



Another proud shot of our own ageless Bill Dillon with a tandem bicycle and John Hardin on the warning track (no one "warns" Bill not to do anything!) at Dodger Stadium on Memorial Day. (See page 12.)

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

SEALION
S-36
S-26
SHARK I
PERCH
S-27
GRUNION
S-39
ARGONAUT
AMBERJACK
GRAMPUS
TRITON
PICKEREL
GRENADIER
RUNNER
R-12
GRAYLING
POMPANO
CISCO
S-44
DORADO
WAHOO

CORVINA
SCULPIN
CAPELIN
SCORPION
GRAYBACK
TROUT
TULLIBEE
GUDGEON
HERRING
GOLET
S-28
ROBALO
FLIER
HARDER
SEAWOLF
DARTER
SHARK II
TANG
ESCOLAR
ALBACORE
GROWLER

SCAMP
SWORDFISH
BARBEL
KETE
TRIGGER
SNOOK
LAGARTO
BONEFISH
BULLHEAD

