

HAMPTON ROADS BASE



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Our Creed:

To perpetuate the memory of our shipmates who gave their lives in the pursuit of their duties while serving their country.

That their dedication, deeds and supreme sacrifice be a constant source of motivation toward greater accomplishments. Pledge loyalty and patriotism to the United States of America and its Constitution.

In addition to perpetuating the memory of departed shipmates, we shall provide a way for all Submariners to gather for the mutual benefit and enjoyment. Our common heritage as Submariners shall be strengthened by camaraderie. We support a strong U.S. Submarine Force.

The organization will engage in various projects and deeds that will bring about the perpetual remembrance of those shipmates who have given the supreme sacrifice.

The organization will also endeavor to educate all third parties it comes in contact with about the services our submarine brothers performed and how their sacrifices made possible the freedom and lifestyle we enjoy today."

From the Base Commander

Shipmates,

Greetings
Mates. Was
good to see
so many
SUBVETs
come out and



brave the cold weather to attend our last meeting. Please ensure that we keep an eye out on our neighbors and they also know what is going on with you.

I am getting geared up to sit the SUBLANT SOY board and it is always exciting to see young ambitious faces that want to keep our country safe.

As a reminder, we are having our first social with the new SUBLANT Commander, and some of his staff, on 15 February, 1600 hours, at Vista Point. Look for an e-mail from Craig and also you can find the information on our very own webpage at: https://www.ussvi.hrb.org.









The 119th Submarine Birthday Ball is going to be held on 5 April 2019. More to follow on that time-honored tradition.

Stay warm and see you at the next meeting.

Fran and I wish you and your families a very Happy New Year.

R, Ted

From the Secretary/ Treasurer

Shipmates,

By the time you get to read this the COMSUBLANT Sailor-ofthe-Year Presentation Ceremonies honoring the best of active duty sailors in our



community on the East coast have been completed. Thank you to all who came to honor these great sailors, we had a 10 SubVets in attendance.

If we haven't had the first CSL/CSS-6 Khaki Social yet, we will shortly. I'm waiting on CSL to confirm the date. These Socials are a great way to trade information with the active duty guys and to recruit them.

The boat to be honored as the Hall of Fame boat at the 2019 Submarine Memorial and Hall of Fame Ceremonies this year on Thursday, 16-MAY-2019, is the USS BATON ROUGE (SSN-689) nominated by Rock Pedroni. See the write-up on the Base website Hall of Fame Boat Program webpage (https://www.hrb-ussvi.org/hall-of-fame-boat-program).

Speaking of the Base website; if you haven't already registered for credentials on our website you should, there is a lot of good information to be found there. Remember, you must use the email address you registered when you became a member of USSVI to be accepted as a member of the Base website. Once

you request credentials, the Base webmaster, Sam Stevens, will approve them. You should then go back to the website, login, and complete your profile. If you are having problems, contact Sam (SStvns7@gMail.com).

The annual dues renewal drive is now complete. We lost a total of $\underline{}$ members but only $\underline{}$ for failure to renew their dues for 2019. As of this writing, we are at $\underline{}$ members. I'd like to see us continue to grow but that will take us all working on recruiting.

While I'm on the subject of dues; it isn't too late to sign up for the Life Dues by Installments program, see the explanation of the program in last month's editoin of Currents (Issue No. 19-01). You will have to contact me by email

(<u>GrumpyOldSquid@gMail.com</u>) to set things up and pay both your January and February installments.

There is nothing new to report on the new USSVI National website. Until the new website is up and running you should still use the existing website (https://www.ussvi.org/home.asp). The American Submariner magazine can be found on the USSVI National website when you want to read it.

A quick question for everyone, is it cold enough yet to start thinking about the Base Picnic Meeting in July? It's going to be at the FRA again this year and a week or two before the picnic we're going to hold a field day at the FRA to clean up the patio area (and anywhere else we can reach).

That will be all from me for this month. As always, if you need something, don't hesitate to email me or call me so I can help you out. I'm only as far away as your computer or the other end of your phone. Finally, don't forget about our regular monthly meeting at FRA #60 on 16-FEBRUARY, we want to see you there, otherwise...

~ Stay Safe & Stay Well ~

EMCS(SS) Craig S. Werner, U.S.N. (Ret.)









Hampton Roads Base Secretary & Treasurer

Breaking News

SOY Selectees Announced:

The 2018 COMSUBLANT Sailor of the Year Ceremony was held at Pennsylvania House on 31 January. This year, the selection board consisted of representatives from four active duty units, the Submarine League (CAPT. Pete Flannery) and USSVI-HRB (Ted Vorce). They had to choose between the three-sea based and the three shore-based nominees. After deliberations the top selectees are DC1(SW) Monique Carswell, based at RSG Groton and MMA1(SS) Stephen Fuhr of USS San Juan.

Photos of this event will be in next month's Currents



Boats Lost in February

We remember.... We Honor



USS Shark (SS 174): Lost on Feb 11, 1942 with the



loss of 59 officers and men on her first war patrol. Shark was the first US Submarine sunk by enemy surface craft in the Pacific. She was most likely sunk by depth charges.







USS Amberjack (SS 219): Lost on Feb 16, 1943



with the loss of 72 officers and men on her third war patrol. Of Rabaul, she was attacked by a torpedo boat and then depth charged by a subchaser.

USS Grayback (SS 208): Lost on Feb 27, 1944 with



the loss of 80 officers and men on her tenth war patrol. She appears to have been caught on the surface in the East China Sea by a Japanese carrier plane whose bombs made a direct hit. During this war patrol she sank 4 ships totaling 21,594 tons and

was tied for 11th in the number of ships sunk.

USS Trout (SS 202): Lost on Feb 29, 1944 with the



loss of 79 officers and men on her 11th war patrol. She was sunk by escorts in the middle of the Philippines Basin after sinking a passenger-cargoman and damaging another in a convoy. She carried out several

notable special missions, including carrying over two tons of gold bullion out of Corregidor in February 1942.

USS Barbel (SS-316): Lost on Feb 4, 1945 with the



loss of 81 officers and men on her 4th war patrol. Based on Japanese records, she was bombed near the southern entrance to the Palawan Passage. The day before, she reported she survived 3 depth charge attacks.



HRB February Birthdays

1: John Springett

3: Tom Murray; Gary Merryman

5: Fred Lowack

8: Mike McNamara

9: Tommy Moore

12: Lynn Pattison

17: Scott Humpert

19: Taco Villarial; Bill Neff

20: Tim Richard

21: Gino Destefano; Ron O'Donnell

23: John Elliott

27: Rocky Rockefeller

28 (actually 29); CecileWalraven



Kap(SS) 4 Kid(SS) News

On 22 January the HRB crew visited two boys and one girl at NMC-P. The kids' ages ranged from five to 22 years. The crew of Mike Williams, Sid Sidlovski, Lynn Moran, Joe Demnicki, Bob McClaren and Marlin Boyle are pictured below.



UPCOMING VISITS (Tentatively): 19 February









Welcome Aboard

We had two new HRB members join us at the 15 January meeting.

ETV2(SS) Jacob Grabowski is still on active duty. He qualified when aboard USS Virginia (SSN-774) in 2014.



YNC(SS) Daniel Heisner also is on active duty. He qualified when aboard USS Maryland in 2004.





Special Welcome Aboard

We recently had three associate members join us. Pictured below are (in order) Beverly Galles Rebecca Kinglsey, and Naomi Werner.







Where and when these ladies qualified is classified AND because it is impolite to discuss a woman's age. Let's just say it is a very good thing to have them as members.

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HORTON CLEANUP

Eleven Thousand (11,000). ... That's how many wreaths a team of about 20 men and women removed from the graves at Albert G. Horton Cemetery on the morning of January 7. The task for us volunteers was to stack the wreaths in wind rows alongside access paths for later pickup by the full-time staff.

The HRB crew consisted of Marlin Boyle, Craig Dudley, Bobby Holt, Jan Boyle, Rosemary Aussey, Clyde Russell, Rebecca Kingsley and George Williams. People were there from the VFW, Civil Air Patrol and individuals pitching in to have the job done well before noon.



(l-r) Marlin, Craig, Bobby, Jan, Rosemary, Clyde, Rebecca



Team HRB and others, but not all others









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Special Presentation

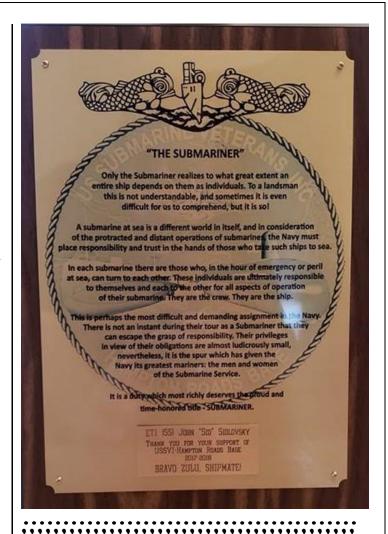
To say that Sid Sidlovsky does a lot for the base would be an understatement. From storing our trailers, to being a key player in Kap(SS) 4 Kid(SS), to chairing the Emergency Relief Committee, Sid has been an outstanding shipmate.

At our January meeting Ted Vorce presented Sid with a plaque engraved with "The Submariner."



Sid, in his usual graciousness, responded via Facebook:

"Brothers & Sisters thank you so much for the Honor of being the Base "The Submariner" for last year. We have a wonderful base with tremendous amount of support and I'm blessed to able to do my small part of an overall larger team effort - Bravo Zulu is deserved to the Base as well."













Upcoming Events

February 2019

16: Base Meeting

19: Kap(SS) 4 Kids(SS) @NMC-P

20: Naval Submarine League (NSL), Norfolk Room, Sewell's Point Golf Course

March 2019

09: Base Meeting

19: Kap(SS) 4 Kids(SS) @NMC-P

April 2019

05: 118th Submarine Anniversary Ball-VA Beach Convention Center

17: Naval Submarine League (NSL), Norfolk Room, Sewell's Point Golf Course

20: Base Meeting

23: Kap(SS) 4 Kids(SS) @NMC-P

29-02 May: SE Region Conference, Cape Canaveral Radisson

May 2019

16: WWII Submarine Memorial & Hall of Fame Ceremonies

18: Base Meeting

21: Kap(SS) 4 Kids(SS) @NMC-P

26: USS Scorpion Memorial

27: 134th Portsmouth Memorial Day Parade

June 2019

15: Base Meeting / Holland Club Induction

18: Kap(SS) 4 Kids(SS) @NMC-P

19: Naval Submarine League (NSL), Norfolk Room, Sewell's Point Golf Course

July 2019

20: Base Meeting /Picnic/ Scholarship Announcement

23: Kap(SS) 4 Kids(SS) @NMC-P

August 2019

17: Base Meeting

20: Kap(SS) 4 Kids(SS) @NMC-P

15-20: USSVI Convention - Austin, TX

September 2019

21: Base Meeting

23: USS Thomas A. Edison Reunion- Norfolk

24: Kap(SS) 4 Kids(SS) @NMC-P

October 2019

19: Base Meeting

22: Kap(SS) 4 Kids(SS) @NMC-P

February Historic Events

Feb 17, 1864: While at anchor off Charleston, SC, the Steam Sloop of War USS Housatonic was attacked by the Confederate submarine H.L. Hunley using a spar torpedo. USS Housatonic is recorded as the first warship to be sunk by a submarine.

Feb 04, 1942: USS Trout (SS-202) loaded 20 tons of gold bars and 18 tons of silver coins from the Philippines National Treasury as ballast to replace the weight of ammunition they had just delivered to US and Philippine forces in Manila.

Feb 03, 1944: USS Aspro (SS-309) departed Midway enroute to her 2nd war patrol to the area north of Truk. She spotted a large Japanese submarine, I-42. After a long surface pursuit, she fired four torpedoes. They heard an explosion then saw her bow rise and the sub sank by her stern.

Feb 10, 1944: USS Pogy (SS-266): Pogy spotted a convoy off the southern tip of Formosa, guarded by three Japanese destroyers. Pogy attacked with five torpedoes, sinking the Japanese destroyer Minekaze and 5,500 ton passenger cargo ship Malta Maru, and damaging another freighter.

Feb 11, 1944: USS Gudgeon (SS-211): Gudgeon's 11th war patrol saw a few successful sinkings of Japanese vessels. She torpedoed and sank the already damaged 3091 ton merchant Satsuma Maru off Wenchow, China.









Feb 13, 1945: USS Sennet (SS-408): Sennet sank two 300 ton picket boats with the combined gunfire of the submaines Sennet, Haddock (SS-231) & Largarto (SS-371)

Feb 12, 1947: The first launch of a guided missile, the Loon, took place on board USS Cusk (SS 348).

HUMOR

As usual this was lifted from the internet which allows me to claim no responsibility for the veracity of what is to follow:

- 1. He who laughs last thinks slowest.
- 2. Everyone has a photographic memory; some don't have film.
- 3. A day without sunshine is like ... night.
- 4. On the other hand you have different fingers.
- 5. Change is inevitable except from a vending machine.
- 6. I just got lost in thought. It was unfamiliar territory.
- 7. When the chips are down the buffalo is empty.
- 8. Seen it all, done it all, can't remember most of it.
- 9. Those who live by the sword get shot by those who don't.
- 10. I feel like I'm diagonally parked in a parallel universe.
- 11. You have the right to remain silent. Anything you say will be misquoted, then used against you.
- 12. I wonder how much deeper the ocean would be without sponges.
- 13. Honk if you love peace and quiet.
- 14. Despite the cost of living, have you noticed how it remains so popular?
- 15. Nothing is foolproof to a sufficiently talented fool.





USWN ARTICLES

Flying torpedoes help P-8A Poseidon attack enemy submarines

Staff, Military Aerospace, January 10

WASHINGTON – Airborne weapons experts at the Boeing Co. are building add-on kits to create flying torpedoes that can attack submerged enemy submarines from long ranges and from high altitudes.

The Naval Sea Systems Command in Washington announced a \$9.3 million order Wednesday to the Boeing Co. Defense, Space & Security segment in St. Louis to design and build the High Altitude Anti-Submarine Warfare Weapon Capability (HAAWC) Air Launch Accessory (ALA).

The HAAWC ALA enables the Raytheon MK 54 lightweight torpedo carried aboard the Navy Boeing P-8A Poseidon long-range maritime patrol jet to glide through the air from altitudes as high as 30,000 feet, essentially transforming the torpedo into a glide weapon that the P-8A aircraft can release from high altitudes.

As the flying torpedo nears the water, it jettisons its wings and tail and takes on its original role as a smart torpedo that can detect, track, and attack enemy submarines autonomously.

After shedding its control surfaces, the HAAWC ALA activates a parachute that lowers the torpedo into the water to begin its run toward the target. When launched from 30,000 feet the HAAWC-equipped MK 54 torpedo will glide for seven to 10 minutes before entering the water.

While in flight the HAAWC is completely selfcontained. The ALA includes a flight control computer, a GPS-based navigation system, and power sources. When near the water the system sheds its wings and activates a parachute that lowers the torpedo to the water to begin its run toward the target.

The MK 54 always has been launchable from aircraft, but before the HAAWC ALA, crews of antisubmarine fixed-wing aircraft and helicopters had to release the torpedo from altitudes no higher than about 100 feet.

The HAAWC will enable the P-8A aircraft -- a modified Boeing 737-800ERX passenger jetliner -- to maintain optimum surveillance altitudes without wasting time and fuel to drop to low altitudes and then back to high patrol altitudes.

Attacking from high altitudes also enables the P-8A to reduce the time between target acquisition and attack, as well as to launch anti-submarine weapons outside the ranges of shore-based anti-aircraft defenses.

The Mk 54 is an all-digital lightweight torpedo that has advanced software algorithms developed originally for the larger submarine-launched Mark 48 torpedo.

The Boeing HAAWC ALA for the MK 54 torpedo consists of wings designed originally for the Boeing AGM-84H/K Standoff Land Attack Missile-Expanded Response (SLAM-ER). The ALA tail assembly includes the guidance kit designed originally for the Joint Direct-Attack Munition (JDAM), which contains a GPS navigation system. Boeing also is fitting the HAAWC with a data link to transmit target position updates while in flight.

Navy names 88th Commandant for Midshipmen

Carl Prine, Navy Times, January 11

Capt. Thomas R. "TR" Buchanan will become the 88th Commandant of the Midshipmen at the U.S.

Naval Academy in Annapolis, the Navy announced Friday.

A 1992 graduate of the Academy, Buchanan is a career submarine officer who currently serves as the Executive Assistant to the Director of the Joint Staff.

He'll replace Capt. Robert B. Chadwick II, who is slated to depart this summer after a two-year tour.

The Commandant post at the Academy is akin to the dean of students at a civilian university. Buchanan will be tasked with overseeing the day-to-day conduct, military training and professional development of more than 4,000 students annually, according to the Navy.

"I am humbled and privileged to have been selected to serve as the next Commandant of Midshipmen," said Buchanan in a prepared statement emailed to Navy Times. "The Naval Academy remains the naval service's flagship institution charged with developing combat leaders for the Navy and the Marine Corps."

"I am blessed to have this opportunity to work with the extended Naval Academy family and to contribute, in a small but meaningful way, to the professionalism of the Brigade of Midshipmen. The leadership lessons learned at the Naval Academy prepares graduates for service as (officers) and as leaders of our country throughout the rest of their lives. It is my distinct honor to participate in their leadership experience."

Buchanan has served on board attack and ballistic missile submarines, including the Asheville, Florida and Norfolk.

He commanded both Los Angeles-class attack submarine Albany and Submarine Squadron 20 and was responsible for the training and certification of all operational Atlantic-based Strategic Ballistic Missile Submarines, the Navy said.









Three of those crews earned the "E" for Battle Efficiency.

His shore duties have included staff work for the Chief of Naval Operations; Aide to the Director of Naval Reactors; and as a Special Assistant to the Commander of U.S. Joint Forces Command.

He also was the Lead Shipbuilding Program Analyst in the Programming Division (OPNAV N80) from mid-2014 to early 2016.

Overseas, he has served as the officer-in-charge and submarine operations officer for the Commander of Task Force 54's Bahrain detachment.

Sonar and Power Upgrades Eyed For Unmanned Underwater Vehicles (UUVs)

John Keller, Military & Aerospace, January 24

STENNIS SPACE CENTER, Miss. – U.S. Navy researchers are looking for companies able to upgrade unmanned underwater vehicles (UUVs) for research programs in anti-submarine warfare (ASW) and mine countermeasures.

Officials of the Naval Research Laboratory (NRL) at Stennis Space Center, Miss., issued a request for information on Tuesday (N00173-19-RFI-WR02) for the Unmanned Underwater Vehicles (UUVs) for Undersea Research project to upgrade the 21-inch-diameter Black Pearl UUV with new capabilities.

Navy researchers want to add two-way Iridium satellite communications (SATCOM) to the Black Pearl UUV; alter the unmanned submersible's payloads bay; determine the best way to accommodate side-scan and multi-beam sonar; and

manufacture new UUVs and control systems, tail sections, and batteries.

Bluefin Robotics, a division of the General Dynamics Corp. Mission Systems segment in Quincy, Mass., is manufacturer of the Black Pearl. The company won a \$7.1 million contract in April 2014 design and build the Black Pearl autonomous underwater vehicle -- an underwater drone for research in long range and multi-static mine hunting and ASW programs, as well as in new distributed sensing research. Bluefin experts were to build as many as five next-generation underwater drones based on the company's Bluefin 21 UUV.

The Navy wants to find a contractor to develop improved capability for two-way Iridium SATCOM. This involves developing a new software driver for the Iridium board, developing software to enable basic two-way messaging, and developing software to help upload missions to the UUV via Iridium. Also needed are software drivers and mechanical structures to accommodate Navy research payloads in the payload sections.

The contractor also will build and test five upgraded Black Pearl UUVs including tail sections for each of the Black Pearl UUVs; a battery power section for each UUV; and a nose section for each UUV. Also needed is a set of topside support equipment to enable the UUVs to operate together as a system, sharing some of the common topside equipment.

This will include two RF deck boxes with antennas; two Iridium deck boxes with antennas; one Sonardyne Dunker kit; two RDF receivers and antennas (quantity 2); five battery chargers; two vehicle carts; two vehicle and support equipment shipping cases; one vehicle toolkit; and two ruggedized operator laptop computers and software.









Spare parts needed include three antennas; three tail cones; three propellers and duct kits; four vehicle power switches; three 1.85-kilowatt batteries; five wet cables; 15 drop weights; 30 drop weight burn wires three RDF emergency transmitters; three O-ring kits; three fastener kits; three joining bands; 18-barrel nuts; six nose line with float and float hardware; one MEH board set; one SVS+P sensor; and one AvTrak 6.

Optionally, the Navy may want structural and battery upgrades to the Reliant UUV to make it similar to the Black Pearl -- a state-of-the-art 21-inch-diameter UUV with GPS/INS/DVL navigation capability, low noise propulsion, and onboard energy sufficient to carry out missions longer than 24 hours. The vehicle uses a graphics-based PC mission planning tool.

The original Black Pearl design has a 3-to-5-nautical-mile per hour operating speed, a 400 meter depth capability, a minimum of 18 kilowatt-hour energy storage, and a real-time GPS-aided fiber optic gyro (IXSEA PHINS III), inertial navigation system (INS) integrated with Doppler velocity log instrument capable of measuring the vehicle's horizontal position, velocity, and attitude.

The position accuracy drift rate while traveling submerged on a straight line, is 0.15 percent of distance traveled, or less. The system has an over-the-horizon (OTH) communication capability for periodic vehicle status, monitoring, and redirection using Iridium SATCOM system while the vehicle is on the surface.

The UUV supports several payload types, supplied by NRL researchers, that may include broadband low frequency sonars for MCM and ASW; environmental data sensors such as water depth, speed of sound in water along vehicle path, water temperature, and water current); and payloads for acoustic modem research (ACOMMS).

It can carry several sensors and payloads at once in swappable payload sections and battery modules for in-field mission reconfiguration. The UUV is a deep-rated ocean drone that can be launched and recovered from a simple A-frame or docking head.

The Bluefin 21 design is 16.2 feet long, 21 inches in diameter, and weighs 1,650 pounds. It can dive to nearly 15,000 feet, can operate for 25 hours on one battery charge, and moves at speeds to 4.5 knots while using a total of 13.5 kilowatts of electricity.

The UUV is a popular vehicle for deep-dive research and counter-mine operations. The UUV is the basis for the Navy General Dynamics Knifefish surface-mine countermeasure unmanned underwater vehicle (UUV).

Navy Builds Hypersonic Test Ground in California

Paul McLeary, Breaking Defense, January 23

The Navy is refitting its decades-old China Lake weapons testing and research site in the Mojave Desert to begin hosting hypersonic weapons testing from a variety of platforms, including undersea launchers.

A notice posted on a government contracting Website Tuesday night offered the first concrete evidence that the Pentagon is moving ahead on ambitious plans to develop a variety of weapons that can streak through the atmosphere and strike any target on the globe within an hour. The program, dubbed Conventional Prompt Strike, is a Pentagon-wide effort the Navy is taking a central role in developing, though no firm dates on the start of testing have been offered.









Part of the work being announced at China Lake fits into this plan, as there is a call for "conceptual design and operation" of an Underwater Test complex "which will include estimated costs, technology maturity and estimates on build schedules."

The Navy had not responded by publication to questions from Breaking Defense about the overall cost and schedule of the work at China Lake and whether it will become the primary nerve center for the Pentagon's efforts.

Overall, the Navy plans to collect data gathered at both test sites to "aide in the conceptual design of a new weapons system, through qualification of hardware, various components and systems," but "also provide risk mitigation for the testing of the new weapons system on a ship, submarine, aircraft, and land to achieve the hypersonic capability as directed by the Office of the Secretary of Defense."

The Pentagon's 2019 budget called for increased funding for a cornerstone key hypersonics program from \$201 million in 2018 to \$278 million in 2019, with around \$2 billion in a variety of programs. The fiscal 2020 budget is due sometime next month.

Developing hypersonic weapons is the Pentagon's "highest technical priority" undersecretary of Defense for research and engineering Michael Griffin has said.

"In the last year, China has tested more hypersonics weapons than we have in a decade," Griffin said last month. "We've got to fix that hypersonics is a game changer."

The solicitation calls for contractors to offer potential cost and scope of work estimates to improve and redesign the Launch Test Complex at China Lake, which is to be renamed the Air Launch Test complex. Work includes "site re-activation, test and evaluation, support to enable fielding or deployment, as well as upgrade, design and fabricate" a number of

systems. They Include a Test Payload Tube, Launch Test Stand, Launch Test Vehicles, Advanced Payload Module and a simulator. Whichever company wins the bid "will provide the air launch testing/capability to support the [Conventional Prompt Strike] program."

The X-51A Waverider, powered by a Pratt Whitney Rocketdyne SJY61 engine, it is designed to accelerate to about Mach 6.

While the Navy is building things in the desert, the Air Force and Army are working in hypersonics. Last April, the Air Force awarded Lockheed Martin a \$928 million contract for a hypersonic cruise missile to cover the "design, development, engineering, systems integration, test, logistics planning, and aircraft integration support of all the elements of a hypersonic, conventional, air-launched, stand-off weapon," the service said at the time.

The Army is also developing its blandly-monikered Alternate Re-Entry System, which is actually a maneuverable warhead that could end up on Mach 5-plus missiles fired from Air Force bombers and Navy vessels, as well as Army launchers on land.

"We each have pieces of programs," Air Force Secretary Heather Wilson told a Washington Post forum late last year. "The Army's warhead had worked much better than the Air Force's...So we're going to take the Army warhead, put it on an Air Force booster, launch it off of a B-52, while the Army is developing on the ground and the Navy wants to put it on the deck of a ship."

Navy Vice Adm. Johnny Wolfe, head of the service's Strategic Systems Programs office, told a Naval Submarine League symposium in November that the Pentagon had forged an agreement with the Navy to develop a new hypersonic capability.









"We have a program, we are funded, and we're moving forward with that capability, whether it be from submarines or from surface ships," Wolfe said.

The jury is still out on whether hypersonic missiles can be launched from submarines, and what modifications would have to be made to the missiles and surface ships to give them a sea-based capability. But according to the solicitation, the Navy is intent on finding out.

The Pentagon is, as well. Military and civilian leaders have issued a steady stream of warnings over the past two years over the growing imbalance between US investments and those being made by Russia and China in hypersonics. The newly-released Missile Defense Review, while thin on details and vague about both the threat and efforts to counter hypersonic glide vehicles, calls for a Space Sensor Layer as a necessary countermeasure.

In October 2017, the Navy tested its first version of a hypersonic boost-glide missile in Hawaii, which it plans on tweaking to make it capable of being launched from an Ohio-class submarine tube.





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Hampton Roads Base

United States Submarine Veterans, Inc.



"To Perpetuate the Memory of our Shipmates, who gave their lives in the pursuit of their duties while serving their country."

Regular Base Meeting Minutes for 19-JANUARY-2019

Meeting was called to order by Base Commander, Ted Vorce at <u>11:15</u> hours and the normal meeting opening sequence was followed:

- A moment of silence for our departed brother and sister submariners was observed.
- The invocation was made by Base Chaplain, Brian Krammes.
- The USSVI Creed was read by the Base Senior Vice Commander, Gary Galles.
- The Pledge of Allegiance was led by Base Commander, Ted Vorce.
- The Tolling of the Boats Ceremony was read by Base Secretary & Treasurer, Craig Werner while the bell was rung by Base Senior Vice Commander, Gary Galles.
- New members were asked to stand to identify themselves, the boat they qualified on and the year they
 qualified and to see the Base Newsletter editor, Marlin Boyle for a picture and Terry Pattison for a name
 badge.
- Any members visiting from National Leadership, Region Leadership, District Leadership, or other Bases were asked to identify themselves.
- A round robin of introductions was then held with all members present identifying themselves with their qualification boats along with introducing any guests they brought to the meeting.

Binnacle List: Base Chaplain, Brian Krammes:

- Al Budd Had a final checkup after his rotator cuff surgery on his right shoulder this week.
- Harry Seibel Recovery from throat surgery is going well and continues, he hopes to return to us soon.
- Vern Stuart Had his gall bladder removed and is still recovering but doing well.

Secretary's Report – Base Secretary & Treasurer, Craig Werner:

- The minutes of the 15-DECEMBER-2018 Base Meeting were emailed out to all members on 16-DECEMBER.
- All members are reminded to keep the Secretary informed of any changes in email address, snail mail address, phone number or any other personal statistics on file with the Base and National.
- I need everyone's help to keep everything up-to-date, please let me know about any changes needed.
- The Base Chaplain, Brian Krammes, and I especially need to know about any members who should be on the Binnacle list but aren't.
- If you need a member's identity badge contact Terry Pattison, in person or by email (TPattison@Cox.net), so that he can generate one for you.
- There is no new news on the new USSVI.org website. No one knows, at this point, when it will be up and functional, however, the American Submariner magazine is again available through the USSVI National website as it was before.

Treasurer's Report – Base Secretary & Treasurer, Craig Werner:

- The combined Base Operating and Investment Accounts opening balance as of 01-DECEMBER-2018 was \$ 39,369.45.
- The Base Operating Accounts had an income for the month of DECEMBER-2018 of \$ 2633.89.
- The Base Operating Accounts had expenditures for the month of DECEMBER-2018 of \$ 3955.03.
- The Schwab One Investment account started on 01-DECEMBER-2018 at \$21,829.51 and ended on 31-DECEMBER-2018 at \$22,111.55 for a net increase/decrease of \$282.04 for the month of DECEMBER-2018.
- The HRB Scholarship Program and General Operations Fund opened on 01-DECEMBER-2018 at \$ 1149.33, after donations, and expenditures totalling \$ 165.00, ended on 31-DECEMBER-2018 at \$ 1314.33.
- The HRB Kap(SS) 4 Kid(SS) Program opened on 01-DECEMBER-2018 at \$ 3603.06, after donations, expenditures, and interest totalling \$ 0.09, the program ended on 31-DECEMBER-2018 at \$ 3603.15.
- The HRB Emergency Relief Fund opened on 01-DECEMBER-2018 at \$ 1086.71, after donations, interest, and one expenditure, totalling \$ 8.53, ended on 31-DECEMBER-2018 a \$ 1095.24.
- The Storekeeper's Petty Cash as of 31-DECEMBER-2018 was \$ 100.00.
- This has resulted in a net increase/decrease of \$\frac{1321.14}{}\] in the combined Base Operating and Investment Accounts for DECEMBER-2018.
- The combined Base Operating and Investment Accounts ending balance as of 31-DECEMBER-2018 was \$ 37,947.53.
- As a final note, the annual financial report is complete and ready to be submitted to the National Treasurer (once the last of the financial statements is received).

Store Keeper's Report: Base Storekeeper, Ryan Straughan:

- The calendars that were ordered are in and available for pickup, if you ordered one please see me.
- All On-Hand merchandise is available for sale.
- Patches and other merchandise from National can be ordered through the Storekeeper.
- All the materials on the Help-Yourself table are no cost but feel free to make a contribution to the donations bucket, it helps and is appreciated.
- If you have something specifically you need from THE Store Keeper, send him an email (Ryan.A.Straughan@gMail.com).

Committee Reports:

- Membership Committee Base Senior Vice Commander, Gary Galles:
 - o The annual membership renewal drive for 2019 is wrapping up.
 - I've made phone calls to the members that still owe dues for 2019.
 - A final notice letter has been sent to the two members that still owe dues for 2019.
 - A total of **96** members had to renew their membership for 2019.
 - So far, 89 members have renewed their membership by paying their dues for 2019.
 - -5 members have been dropped at their request because of other commitments.
 - We still have <u>-2 -</u> members that need to renew their membership for 2019 but at this point they will most probably be lost because of a failure to pay their National and Base dues.

- We will run the Life Dues by installment program in 2019.
 - With this program you pay your Life dues in ten equal monthly installments January through October.
 - Your dues must be current through 2019 to partake in this program.
 - Your Life dues are based on your age at the end of 2019 and you must confirm the amount of your dues with Craig before you start the program.
 - If for any reason you do not complete the program, any monies you've paid into the program will be returned to you.
 - You MUST contact Craig during January to sign up for this program.
 - You can see him today after the meeting if you are interested.
- Quarterly Wellness Check Program
 - We still haven't been able to reach **CS1(SS)** Roy Palmer and we need some help here.
 - The other <u>- 52 -</u> Base members, 80 years old or older, in the Quarterly Wellness Check Program were either seen or spoken with in the past calendar quarter.
- The roster of all HRB members sent out on 08-JANUARY-2019.
- With gains and losses we are at <u>-284 -</u> members; this is a gain of <u>-18 -</u> members over where we
 were this time last year and that's great! We need to keep up the good work of bringing in new
 members.
- A word of caution here, we will probably lose more members, up to <u>-2 -</u> because they haven't renewed their membership.
- I've looked over the membership numbers nationally again and, as of now, we still need to grow the Base by <u>-4 -</u> members in order to be even with Charleston Base and <u>-5 -</u> to take over 2nd place Nationally in membership (this information is as of the date of the Base roster, 08-JANUARY).
- As a reminder, anyone on Active Duty that is qualified to wear dolphins may join USSVI at no charge for the first year, through 2019.
 - This should help us to bring in more members.
 - If you have any questions contact Craig.
- If you have any suggestions of ways to increase our membership and meeting attendance please let the Base leadership know of it.
- Anyone who thinks they are due a USSVI Longevity Pin should see Craig after the meeting.
- Scholarship Committee Base Senior Vice Commander, Gary Galles:
 - HRB Scholarship Applications can now be submitted.
 - Applications with supporting documentation may be submitted by email to (GrumpyOldSquid@gMail.com).
 - Anyone who needs a set of the HRB scholarship documents for the 2019-2020 scholastic year should contact Craig by email (GrumpyOldSquid@gMail.com).
- **Program & Events Committee** Base Junior Vice Commander, Adam Kingsley:
 - Recently Completed Events:
 - There was a K4K visit at NMC-P on 19-DECEMBER-2018.
 - The clean-up at the Horton Cemetery was on 07-JANUARY-2019.
 - We had about 8 of our people there to help.

- About 11,000 wreathes were picked up in the general clean-up.
- There was a FRA #60 meeting here Wednesday evening, 09-JANUARY-2019.

o Pending Events:

- There will be a K4K visit at NMC-P on 22-JANUARY-2019.
- Sailor-of-the-Year Presentation Ceremonies will be on 31-JANUARY-2019.
- There will be a Field Day to clean-up the grounds and such here at FRA #60 starting at 08:30 hours, Saturday, 02-FEBRUARY-2019.
- There will be a FRA #60 meeting here Wednesday evening, 13-FEBRUARY-2019 starting at 19:00 hours.
- We will have a Base meeting at 11:15 hours, Saturday, 16-FEBRUARY-2019.
- There will be a NSL meeting, 18:30-20:00 hours, at the Norfolk Room, Sewells Point Golf Course, Wednesday, 20-FEBRUARY-2019.
- There will be a Field Day to clean-up the grounds and such here at FRA #60 starting at 08:30 hours, Saturday, 02-MARCH-2019.
- We will have a Base meeting at 11:15 hours, Saturday, 09-MARCH-2019.
- There will be a FRA #60 meeting here Wednesday evening, 13-MARCH-2019 starting at 19:00 hours.
- There will be a K4K visit at NMC-P on 19-MARCH-2019.
- The 119th Submarine Birthday Ball will be on Friday, 05-APRIL-2019 at the Virginia Beach Convention Center starting at 18:00 hours.
- There will be a Field Day to clean-up the grounds and such here at FRA #60 starting at 08:30 hours, Saturday, 6-APRIL-2019.
- There will be a FRA #60 meeting here Wednesday evening, 10-APRIL-2019 starting at 19:00 hours.
- There will be a NSL meeting, 18:30-20:00 hours, at the Norfolk Room, Sewells Point Golf Course, Wednesday, 17-APRIL-2019.
- We will have a Base meeting at 11:15 hours, Saturday, 20-APRIL-2019.
- There will be a FRA #60 meeting here Wednesday evening, 08-MAY-2019 starting at 19:00 hours.
- The Submarine Memorial and Hall of Fame Boat ceremonies will be 16-MAY-2019.
- We will have a Base meeting at 11:15 hours, Saturday, 18-MAY-2019.
- The 51st anniversary observance of the loss of USS SCORPION will be 26-MAY-2019.
- The 135th Portsmouth Memorial Day Parade in Portsmouth is on Monday, 27-MAY-2019.
- There will be a Field Day to clean-up the grounds and such here at FRA #60 starting at 08:30 hours, Saturday, 1-JUNE-2019.
- There will be a FRA #60 meeting here Wednesday evening, 12-JUNE-2019 starting at 19:00 hours.
- The Holland Club Induction Ceremonies FOR YEAR GROUP 1969 will be during our 15-JUNE-2019 meeting.
- There will be a NSL meeting, 18:30-20:00 hours, at the Norfolk Room, Sewells Point Golf Course, Wednesday, 19-JUNE-2019.
- There will be a FRA #60 meeting here Wednesday evening, 10-JULY-2019 starting at 19:00 hours.
- The Base Picnic Meeting and Scholarship Award Announcement will be on 20-JULY-2019.

- Ways and Means Committee Base Junior Vice Commander, Adam Kingsley:
 - o We are slowly but surely depleting the Base treasury and we need a good fund raiser.
 - We should be running at least one fund raiser every year.
 - If you have an idea for a fund raiser, please, send the specifics to leadership by email.
 - The last fund raiser that we ran was the AutoBell Carwash tickets sale.
 - The last really good fund raiser that we ran was the raffle of the commemorative rifle.
 - A raffle for two pair of tickets to the 2019 Base Winter Holiday Party will be sold at the raffles table at our meetings from now through October.
 - Raffle tickets will be \$1 each (there will be no multi-ticket discounts).
 - Submarine Pens are available for sale; see the Base Secretary & Treasurer, Craig Werner, after the meeting to purchase your pens, \$1 each or 6 for \$5.
 - o If you have suggestions for any other income streams let Base Leadership know of them...
- Public Relations and Publicity Committee Base Secretary & Treasurer, Craig Werner:
 - A reminder for everyone, please wear your HRB ball caps and other USSVI logoed clothing (shirts, jackets, etcetera) when running around and about town. We want to be seen, to get our name out in the community and to promote our public image.
 - o If you need a new windbreaker Jenny Dugan, our Sewing Wench, will be happy to make one for you.
 - o I have HRB generic business cards for everyone to carry see me if you need any.
- Newsletter Committee Newsletter Editor, Marlin Boyle:
 - o If you have anything for next month's newsletter, get it in by the twenty-fifth of this month.
 - Any new members need to see the Newsletter Editor, Marlin Boyle to have their picture and simple biography included in the newsletter.
- Website and Social Media Base Webmaster, Sam Stevens
 - Overall
 - Use of the website is improving.
 - Those who've not visited recently, come on back and check out the recently added pages.
 - If you have topics of interest that you'd like to see on the website, contact me.
 - Website changes/additions
 - Member Memorials (members now on eternal patrol)
 - Thresher Memorial Page
 - Hall of Fame Boat Page
 - New Tab under History/Blog Being a Submariner (4 part documentary "Sharks of Steel").
 - Website statistics since last month
 - 11 New Members since the last Base meeting.
 - 27 Site Visitors in the past week.
 - 30 sessions.
 - Facebook statistics
 - 3 new since last month
 - 65 Post Reach
 - 38 Post Engagements
 - 6 New Page Likes

- Submarine Memorial and Hall of Fame Committee Base Secretary & Treasurer, EMCS(SS) Craig S. Werner for Committee Chairman, Ken Swan:
 - The Submarine Memorial and Hall of Fame Boat ceremonies will be 16-MAY-2019.
 - The Submarine Memorial is a formal and solemn ceremony and well worth attending.
 - There is a picnic sponsored by Sysco after the ceremonies with a lot of good food.
 - SLF CMC notified of HOF winner. There is new CMC from last year, but he was previously at CSS-6 and has attended in the past. He is supportive of the ceremony.
 - SLF CMC will be picking CPO PoC and will let me know once assigned. I proposed meeting next week to go over checklist and will put out word when that happens.
 - CAPT Karr (2nd Baton Rouge CO) has been invited to speak at the ceremony. Waiting to hear from him. (Thanks to Rock for getting his email).
 - We're working on getting copies of all the awards for the BR for the ceremony and shadow box.
- Kap(SS) 4 Kid(SS) Committee Committee Co-Chairman John Sidlovsky:
 - We visited on Wednesday, 19-DECEMBER, when we got together with 3 boys and 2 girls aged from 6 days through 8 years along with 5 moms to be.
 - We had a crew of 5 for the visit including Lynn Merryman, wife of Gary Merryman who dressed up as a giant yellow peanut M&M. We had a blast.
 - We will visit the kids again this Tuesday, 22-JANUARY after meeting at 09:30 hours, in the 2nd floor Food Court of Building 3.
 - Anyone wanting to make a donation specifically to the Kap(SS) 4 Kid(SS) program should get it to Craig and make sure you specify it's for the Kap(SS) 4 Kid(SS) program.
- Hampton Roads Base Emergency Relief Fund Committee Committee Chairman, John Sidlovsky:
 - We've had no formal requests for assistance since our last meeting.
 - o If you are in need of financial help, as per our Bylaws, contact any member of the committee.
 - Anyone wanting to make a donation specifically to the Emergency Relief Fund should get it to Craig
 and make sure you specify it's for the Emergency Relief Fund or drop it into the ERF Donations
 Box on the booze table.
- SCORPION Memorial Committee Committee Chairman, John Donaldson:
 - o The 51st anniversary observance of the loss of USS SCORPION will be 26-MAY-2019.
 - It will be in Newport News.
 - It will be coordinated by the Knights of Columbus.
 - A change to the Base Bylaws to establish a permanent committee has been proposed but still has to be written up.
- NORFOLK Sail Committee Committee Chairman, Brian Dougherty:
 - We are waiting on the City of Norfolk for a letter of commitment before we can go any further.
 - It has been suggested that we form a separate 501(c)3 organization for this project.
 - We will hold an organizational meeting of the committee here after the Base meeting.
 - If we don't have solid progress in the next 6 months this project will die.
 - A change to the Base Bylaws to update the responsibilities of the committee has been proposed but still has to be written up.

Old Business:

- Craig Werner The clean-up at the Horton Cemetery was on 07-JANUARY-2019.
 - We had about 8 of our people there to help.
 - About 11,000 wreathes were picked up in the general clean-up.
 - DJ Heisner (new member) We are invited to the 2018 COMSUBLANT Sailor of the Year Awards Ceremonies.
 - These are all great sailors and deserve our support.
 - The ceremonies will be at 10:00 hours, Thursday, 31-JANUARY.
 - o There is a luncheon to go along with the ceremonies and HRB is invited
 - Please let Craig know if you want to attend as there is limited seating.
 - Ted Vorce The 119th Submarine Birthday Ball will be on Friday, 05-APRIL-2019 at the Virginia Beach Convention Center starting at 18:00 hours.
 - Fran is still trying to find a hotel that we can use as a group and that will help us out with a shuttle service before and after.

New Business:

- Craig Werner There will be a Submarine Khaki Social Friday, 01-FEBRUARY, starting at 15:00 hours.
 - The TYCOM is supporting this and is expected to attend.
 - It will be at the Vista Point Conference Center.
 - o **Please**, come out and meet with the active duty guys.
 - We're looking to have these quarterly for the first three quarters of the year.
- Ted Vorce We need to plan for the July Picnic meeting and if we want to change the location we need some research done to find a new location that can accommodate us and will allow for an outside caterer.
- Craig Werner A change to the Base Bylaws to establish permanent committees for the Scorpion Memorial has been proposed but still needs to be completed (see below).

Section 1: SCORPION MEMORIAL COMMITTEE:

- A. The Scorpion Memorial Committee shall be a standing committee.
- B. The Chair of the Scorpion Memorial shall be an appointed position and have members as appointed by the Base Commander.
- C. The duties of the Scorpion Memorial Committee shall include but not be limited to:
 - (1) Serve as the single point of contact (POC) for Scorpion family members as it relates to the annual Scorpion Memorial ceremony.
 - (2) Serve as the single point of contact (POC) with other organizations as it relates to the annual Scorpion Memorial ceremony.
 - (3) Coordinate all efforts related to the annual Scorpion Memorial ceremonies.
 - (4) .

Program: Award for Base Service – Recognition of and gift for John (Sid) Sidlovsky.

Good of the Order:

- The FRA Craig Werner:
 - I want to start by pointing out a couple of things.
 - The FRA here does a lot for us by allowing us to meet here free of charge and allowing us to hold our annual picnic, again at no charge.
 - We are almost all eligible to be members of the FRA and many of us are, the rest who can be, should be.
 - Our Base meetings are averaging about 60 members at each meeting.
 - The FRA had a meeting on Wednesday, 09-JANAUARY-2019
 - There were a total of 11 members present, including 3 SubVets.
 - Their minimum to hold a meeting is 8.
 - If you can be at the FRA meetings, held the second Wednesday of every month, please consider coming out, it can only help them and our relationship with them.
 - The same thing goes for their monthly field day for clean up on the first Saturday of every month at 08:30 hours, come out and help.
- Review of boats lost in this month Base Secretary & Treasurer, Craig Werner:
 - o USS S-36 (SS-141) in 1942

o USS SCORPION (SS-278) in 1944

o USS S-26 (SS-131) in 1942

O USS SWORDFISH (SS-193) in 1945

- O USS ARGONAUT (SS-166) in 1943
- Review of members' birthdays for the month Base Commander, Ted Vorce:
 - Earl Densten on 03-JANUARY
 - Mike Lamy on 03-JANUARY
 - Harry Allison on 05-JANUARY
 - o Carl (Ed) Bourne on 08-JANUARY
 - Rich Corey on 08-JANUARY
 - Walt Ganey on 08-JANUARY
 - Dave Hinkle on 08-JANUARY
 - Ron Hyson on 10-JANUARY
 - Jim Gazard on 11-JANUARY
 - Al Crowder on 12-JANUARY
 - Bob Philips on 14-JANUARY
 - Paul Williams on 16-JANUARY
 - Al Budd on 18-JANUARY
 - Ruben Holstrom on 19-JANUARY
 - Tony Franzitta on 20-JANUARY
 - Moses Pollard on 21-JANUARY

- o Ron Lofton on 22-JANUARY
- Harry Biela on 23-JANUARY
- Brian Krammes on 23-JANUARY
- Vance Braziel on 24-JANUARY
- Tom Thompson on 24-JANUARY
- Bob Frye on 26-JANUARY
- Jim Beauchamp on 27-JANUARY
- Dennis Olson on 28-JANUARY
- o Brian O'Neill on 28-JANUARY
- Bob Tobin on 28-JANUARY
- Alan Stubbe on 29-JANUARY
- Glen Little on 30-JANUARY
- Dennis Myers on 30-JANUARY
- Frank Snyder on 30-JANUARY
- Curtis Thompson on 30-JANUARY
- David Yoh on 30-JANUARY

- The 50/50 raffle of \$ 147 was won by: Tony Ficca (the base received \$ 147).
- The booze raffle was won by: <u>Dave Lockwood</u> (the base received <u>\$ 124</u>).
- Winter Holiday Party tickets raffle brought in: <u>\$ 6</u>.
- There was \$ 14.50 donated through the Donations Bucket for the Scholarship Program and General Operations Fund.
- Pen Sales brought in: \$ 25.
- There was a total of $\frac{\$ 0}{\$}$ was donated for the Kap(SS) 4 Kid(SS) Program.
- There was a total of \$21.00 was donated for the Emergency Relief Fund.
- There were <u>-70 -</u> members and <u>-3 -</u> guests present at this meeting.

Our next Regular Base meeting will be: 16-FEBRUARY-2019 here at FRA Hall #60.

The meeting was adjourned at approximately <u>12:25</u> hours by Base Commander, Ted Vorce.

Fair Winds and Following Seas,

EMCS(SS) Craig S. Werner, U.S.N. (Ret.)

Hampton Roads Base Secretary & Treasurer

222-5 Sandpiper Drive

Portsmouth, VA 23704-1543

757-373-3142

Storekeeper's Inventory (as of: 19-JANUARY-2019)

<u>ITEM</u>	Qty. On Hand	<u>Unit Price</u>	
BALL CAPS			
HRB-USSVI (Silver Dolphins)	6	\$ 15.00	
HRB-USSVI (Gold Dolphins)	1	\$ 12.50	
HRB-Submarine Veteran (Silver Dolphins)	4	\$ 15.00	
HRB-Submarine Veteran (Gold Dolphins)	5	\$ 15.00	
HRB-USSVI (Commander)	1	\$ 12.50	
US Sub Vets Inc. (Commander)	3	\$ 12.50	
US Sub Vets Inc. (Captain)	2	\$ 15.00	
Holland Club (Silver Dolphins)	0	\$ 15.00	
Holland Club (Gold Dolphins)	2	\$ 15.00	
HRB-USSVI - Khaki (Silver Dolphins)	6	\$ 15.00	
HRB-Submarine Veteran - Khaki (Gold Dolphins)	3	\$ 15.00	
PATCHES & CLOTHING			
Hampton Roads Chapter Patch	39	\$ 8.00	
USSVI Patch (4-1/2 x 3-1/8)	2	\$ 10.00	
USSVI Patch (3-5/8 x 3)	0	\$ 3.00	
USSVI Patch (2-7/8 x 2-3/8)	0	\$ 3.00	
USSVI Life Member Patch	2	\$ 6.00	
Vice Commander	1	\$ 3.50	
Life Member Rocker Patch	0	\$ 6.00	
Holland Club Patch	3	\$ 7.00	
Vice President Patch	1	\$ 3.00	
Base Secretary Patch	1	\$ 3.00	
Base Chaplain Patch	1	\$ 3.00	
Base Store Keeper Patch	2	\$ 3.00	
Associate Member Patch	1	\$ 3.00	
USSVI Bolo Tie	2	\$ 7.00	
USSVI Booney Hat (Khaki w/ Gold Dolphins)	1	\$ 20.00	
Vest Clasp w/ Silver Dolphins	1	\$ 25.00	
MISCELLANEOUS			
HRB Challenge Coins	116	\$ 10.00	
HRB Decal (Silver Dolphins)	20	\$ 5.00	
HRB Decal (Gold Dolphins)	2	\$ 5.00	
Dolphin Decals (6")	0	\$ 1.75	
License Plate Frames	1	\$ 4.50	
2019 USSVI Calendars	11	\$ 10.00	
			Page 10 of 10 pages

Commander, Submarine Force Atlantic



Takes great pleasure in hosting a Submarine KHAKI Social



Sponsored by the Hampton Roads Base USSVI



At the Vista Point Conference Center NAVAL STATION NORFOLK

Friday 15-FEBRUARY-2019

Maneuvering watch at 16:00 Diving alarm and Remarks at 16:30

PAST AND PRESENT SUBMARINE SAILORS and friends of the Submarine Force are welcome!