



HAMPTON ROADS BASE



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01 May 2018

Issue No: 18-05

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April Meeting Minutes
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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:

I hope this message finds all of you in good health and spirits.



The Submarine Birthday Ball

came and went and we had a good turnout from our Base. Unfortunately, the Marriot catering folks had a tough night getting food out which meant cold chow at our tables. Our own representative, Ted Vorce, will be on the Ball committee next year and I expect he will get us a little more priority. No matter the problems, Barbara and I had a great time socializing and watching the younger generation and some old partying.

May is a very busy month culminating with the Portsmouth Memorial Day Parade. Don't forget that Sid is going to be working on the trailers to get



them ready for the parades. He can use some help on 5 May at 1000 hours.

There is an Eagle Scout Court also on the 5th. The Submarine Memorial and Hall of Fame ceremonies are on the 17th and the Scorpion 50th Memorial is the 25th through the 27th with the actual service at 1000 Hours the 26th. Our meeting is scheduled for the 19th.

As I said, May is a busy month with a lot of things going on. Please attend all that you can to insure our Base is well represented.

Craig has put out the minutes from our April meeting and all these upcoming events are listed. Have a great month.

V/R

Jim

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From the Senior Vice-Commander

We have a new means of communication thanks to STS1(SS) Ret. Sam Stevens (aka the Webmaster)! He has done a lot of work and created our web site that can be located at: <https://www.hrb-ussvi.org>. There you can view a wealth of information currently ranging from our newsletters, minutes, support campaigns, and benefits/information. I feel certain that as we move forward and grow this year that so will our website. If you have any ideas or suggestions, please reach out to Sam and communicate those ideas.



In terms of guest speakers for the group, when we met on 21 April I received some of your input on what topics of interest you might want addressed at upcoming meetings. To get a broader range of input, there is an attachment to this newsletter with the possible topics listed.



Please look the list over and get back to me with your preferences. Most discussions will be 15 - 20 minutes in duration

Please continue to wear your Veterans gear and may 2018 be our best year ever. Lead on!

V/r
Ted Vorce
Senior Vice-Commander
tvorce@verizon.net
757-376-2458

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*From the Secretary/
Treasurer*



I'm home, recovering from the total replacement of my second knee now, the right one. The recovery and rehab are going well. The physical therapy has been tough and when you see this I'll still have about two weeks still to do. I should be able to ride my bicycle before the end of June (I hope). I want to thank all of you who have asked about me after either or both surgeries, I appreciate the support and the good wishes from all.

We had four applications for the \$1000 Hampton Roads Base Scholarship. The committee has met, we've made our selection and we have the concurrence of the Base Commander, as required by our Bylaws. The candidates were all strong but we could only select one. They will all be informed of how they did the beginning of next month and the winner will be invited to speak at our Annual Picnic (held in lieu of our monthly meeting).

Have you checked out our new Base website (<https://www.hrb-ussvi.org>) yet? STS1(SS) Sam Stevens, our Base Social Media Coordinator, is

continuing to work on it, making modifications and improvements. There has been no change as of yet with the new USSVI National website (<https://www.ussvi.org/home.asp>). It is still having problems and the developers are still working on it (I think). We do not have a good date for when it will be up again but I will let you know when I have that information.

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; otherwise.

~ *Stay Safe & Stay Well* ~

EMCS(SS) Craig S. Werner, U.S.N. (Ret.)
Hampton Roads Base Secretary & Treasurer



We remember....

Boats Lost in May



USS Squalus (SS-192): On May 23, 1939 USS Squalus suffered a catastrophic valve failure during a test dive off the Isle of Shoals. Partially flooded, the submarine sank to



the bottom and came to rest keel down in 240 feet of water. Commander Charles Momsen and Navy divers on the USS Falcon (ASR 2) rescued 33 survivors using the diving bell he invented. Twenty-six men drowned in the after compartments. Later, Squalus was raised and recommissioned as the USS Sailfish. In an ironic turn of fate, Sailfish sank the Japanese aircraft carrier carrying surviving crew members from the Sculpin, which had located Squalus in 1939.

USS Lagarto (SS-371): Lost on May 3, 1945, with the loss of 86 men near the Gulf of Siam. On her 2nd war patrol, she is believed to have been lost to a radar equipped minelayer. This minelayer was sunk by the USS Hawkbill 2 weeks later.



USS Stickleback (SS-415): Lost on May 30, 1958, when it sank off Hawaii while under tow after collision with USS Silverstein (DE-534). The entire crew was taken off prior to sinking.



USS Scorpion (SSN-589): USS Scorpion was



returning to Norfolk, VA from a Mediterranean deployment. On May 22, 1968, she reported her position to be about 50 miles south of the Azores. She was never heard from again. The exact cause of her loss and the loss of her 99

officers and men has never been definitively determined.



HRB May Birthdays

- 1: Marty Allison
- 3: Mike Kennedy, Thomas Nutter
- 4: John Pearl
- 5: Smiley Cochran
- 6: Mickey Baltgalvis
- 8: Bill Rodgers
- 9: John Ritz
- 10: R. O. Bradford, Gene Lockwood
- 11: Bruce Marshall
- 12: Doc Potts
- 14: John Anderson
- 15: Woody Woodward
- 16: James Taylor, Andrew Clark
- 17: Steve Sokolowski, Rod Friedman
- 21: Sam Stevens
- 23: Bill Schoenberg
- 24: USSVI (Chartered 1964)
- 26: Bugs Moran, Fran Vorce
- 30: Byron Pianalto
- 31: Guy Putman



Upcoming Events

May 2018

- 17: WWII Memorial / Hall of Fame Ceremony
- 19: Base Meeting
- 25-28: Scorpion Memorial
- 28: 134th Portsmouth Memorial Day Parade



June 2018

- 21: Base Meeting / Holland Club Induction

July 2018

- 21: Base Meeting / Annual Picnic / Scholarship Award Announcement

August 2018

- 18: Base Meeting

September 2018

- 15: Base Meeting

October 2018

- 20: Base Meeting
- 21-28: USSVI Convention Cruise

November 2018

- 11: Veterans' Day Parade
- 20: Base Meeting

December 2018

- 07-09: Holiday Party
- 15: Base Meeting

January 2019

- 19: Base Meeting

February 2019

- 16: Base Meeting

March 2019

- 09: Base Meeting



May Historic Events

May 10, 1775 - American forces under Gen. Benedict Arnold and Ethan Allen crossed Lake Champlain and captured the British fort at Ticonderoga, New York. The US Navy has honored this action by naming five ships after the battle.

May 10, 1921 - The engine died on USS R-14 (SS 91) while searching for the missing USS CONESTOGA (AT 54) southeast of Hawaii. R-14's crew improvised a sail from materials onboard and sailed R-14 into Hilo five days later.

May 23, 1939 - USS Sailfish / Squalus (SS 192), bottomed at 243 ft. after a valve failure caused flooding, was located by her sister ship, USS Sculpin (SS 191) and established communications. Using the McCann Rescue Chamber, divers from a submarine rescue ship were able to save the remaining 33 Sailors from Sailfish/Squalus. Four enlisted divers were awarded the Medal of Honor for their efforts in the rescue and salvage.

May 15, 1940 - USS Sailfish / Squalus (SS-192) after reconditioning, repair, and overhaul, Squalus was re-commissioned as Sailfish, with LCDR. Morton C. Mumma, Jr. in command.+

May 10, 1960 - USS Triton (SSRN 586), commanded by Capt. Edward L. Beach, completed a submerged circumnavigation of the world in 84 days following many of the routes taken by Magellan.

May 02, 1961 - USS Robert E. Lee (SSBN 601) departed for her first patrol, loaded with 16 Polaris A-1 missiles.

May 06, 1962 - USS Ethan Allen (SSBN-608) fired a Polaris A-2 missile with a nuclear warhead toward Christmas Island, 1,700 miles away. The test was the only one the US ever conducted of any nuclear missile from launch through detonation.



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SCORPION MEMORIAL UPDATE

"CAPT William Richardson will introduce his son CNO ADM John Richardson who is the keynote speaker.

There will be a USSVI section, the Family will have a section in the front and the Shipmates will have a section. Since the family and shipmates add up to 450, they will have the bulk of the best seats. Everyone who attends must have a ticket or they will not be able to sit in the USSVI section (or the other sections).

Please e-mail John Donaldson (john.donaldson@earthlink.net) with your name and spouse/children's names and I will have tickets at the May SubVets meeting. If you do not have access to the base, your ticket will get you through the gate also.



WWII Memorial and Hall of Fame Ceremonies

As you all know, these events will be on 17 May. Please join us in honoring our departed hero fathers and brothers lost in WWII. Less solemnly, we will be adding USS Memphis (SSN-691) to the post WWII boat Hall of Fame.

Bravo-Zulu to Dick Helm and Ken Swan for taking the leads on these events. They put in more than a few hours advocating and coordinating with Sysco and the Submarine Learning Center staff to make this happen again this year.

Let's have a big turnout.



This is a synopsis of Memphis' history taken from the HOF nomination.

“USS *Memphis* (SSN-691)¹, a *Los Angeles*-class submarine, was the sixth ship of the United States Navy to be named for Memphis, Tennessee. The contract to build her was awarded to Newport News Shipbuilding and Dry Dock Company in Newport News, Virginia on 4 February 1971 and her keel was laid down on 23 June 1973. She was launched on 3 April 1976 sponsored by Mrs. Cathy Beard, and commissioned on 17 December 1977, with Commander G. Dennis Hicks in command.

In March 1981, *Memphis* completed an around-the-world cruise via the Panama Canal, including operations with both the Sixth and Seventh Fleets.

Memphis was re-designated an experimental submarine during 1989 to test composite hull structures, unmanned underwater vehicles, advanced sonars, hull friction reduction, and other advanced technologies for the *Los Angeles* and *Seawolf* classes, but remained combat-capable.

During a mid-1990s refit, *Memphis* received numerous modifications, which added about 50 tons to her displacement, most of it aft.

- a glass-reinforced plastic (GRP) turtleback abaft the sail to accommodate remotely operated vehicles
- a towing winch and drum for experimental towed sonar arrays
- 4.27 m-high by 1.37 m-wide vertical surfaces at the ends of the stern stabilizers to accommodate sonar transducer arrays
- a 54 mm towed array dispenser in the port fin leading to the new winch abaft the sail
- supports for the stern stabilizers
- new hydraulic systems
- a fiber-optic databus
- 58 standardized equipment racks to accommodate electronic test gear.

In January 1994 *Memphis* entered Portsmouth Naval

Shipyard for refueling, overhaul and modifications to support her research and development role. Upon completion of the shipyard availability she was assigned to Submarine Development Squadron 12 in Groton, Connecticut.

In 1998 *Memphis* tested the Lockheed Martin Undersea Systems Universal Gravity Module (UGM) passive bottom profiler navigational system.

On 3 May 2005, *Memphis* deployed conducting two polar transits, returning to New London on 3 November 2005.

Memphis won the coveted Battenberg Cup in 2005, as well as the Squadron 12 Battle E.

On 6 May 2006, *Memphis* deployed against Iraqi insurgency, returning to New London, Connecticut, on 7 August.

On 27 June 2007, *Memphis* returned to Portsmouth Naval Shipyard in Kittery, Maine, for a Pre-Inactivation Restricted Availability. She returned to Groton on 8 May 2008.

After 33 years of service *Memphis* was taken out of service in a decommissioning ceremony at the Shepherd of the Sea Chapel located at the US Submarine Base in Groton, Connecticut on 1 April 2011. *Memphis* went to the Portsmouth Naval Shipyard to begin the inactivation process. Parts from the decommissioned *Memphis* were to be used to repair the damaged USS *Miami*, until the decision to cease work on the *Miami* was made in August 2013.

¹ [https://en.wikipedia.org/wiki/USS_Memphis_\(SSN-691\)](https://en.wikipedia.org/wiki/USS_Memphis_(SSN-691))



KAP(SS)4KID(SS) News

As Lynn Moran said, the bubbleheads entertained four families at NMC-P on 24 April. The crew consisted of Lynn, Adam Kingsley, Robert Vincent, Joe Demnicki, and Dave Snyder.

Our contact at the hospital, Chris Brogan (a former CT), said that he would try to attend our May meeting and bring his submariner father.



Lynn, Joe, Adam, Dave & Bob

WELCOME ABOARD

At the 21 April meeting our membership again grew, this time with the addition of two shipmates.



RM2(SS) Al Grossman who was recruited by Jim Reynolds qualified on USS Stonewall Jackson (SSBN-634) in 1977.



STS1(SS) Rich Sutherland qualified in 1983 aboard USS Norfolk (SSN-714). Rich is a friend of our webmaster, Sam Stevens.

118th Submarine Birthday Ball

About thirty HRB members and guests contributed to the sometimes-raucous celebration of the 118th anniversary of the Silent Service's birth. Before the actual start of festivities, the HRB crew were able to attend a VIP reception on the second deck.

In a possibly new record, the Waterside Marriot was overwhelmed by nearly 1300 submariners and guests. This necessitated setting up an overflow room on the third deck that accommodated over 200 celebrants.

VADM Joe Tofalo, Commander Submarine Force. (i.e. the Godfather of the submarine force) introduced the guest speaker VADM William Merz, Deputy CNO for Warfare systems. A recurring theme of his presentation was a tribute to VADM Tofalo and his career. Not so coincidentally, many of us became aware of VADM Tofalo's upcoming retirement. (See the next article regarding his probable successor.)

Of course, following Dinner, the traditional cake cutting was led by Senior Submariner ED KRACKER.

A few pictures are below:



Upcoming SUBFORCE Change of Command

From John Donaldson:

Change of Command is tentatively scheduled, pending Senate confirmation, for August.

Deputy Commander of U.S. Strategic Command Vice Adm. Charles Richard has been tapped to lead the Navy's submarine forces, following current commander Vice Adm. Joseph Tofalo. Richard is a career submariner whose commands have included USS Parche (SSN-683), Submarine Squadron 17 and the decommissioned nuclear deep diving Submarine NR-1. Ashore, he served as the director of undersea warfare (N97) on the Chief of Naval Operations staff in the Pentagon. He has served as the STRATCOM deputy since September 2016.



VADM William Richard



Operation ICEX Report

Our 21 April guest Speaker was CDR Jason E. Weed who was the submarine operation coordinator during this year's ICEX. His presentation covered some of the procedures, equipment and living conditions at Camp Skate atop an ice floe in the Barents Sea.

It was a three-boat operation this year. The USS Connecticut and USS Hartford were joined by HMS Trenchant to conduct a variety of under-ice navigation and torpedo-firing exercises. The Artic Submarine Laboratory (ASL), based in sunny and warm San Diego, was the lead organization.



CDR Jason Weed

Photos: navy.mil-ICEX- Captions: mine



SURFACE! SURFACE! SURFACE!



Camp Skate



Twin Engine Resupply



Home Sweet Home



Northern Lights (Not through a periscope)



Runway Maintenance



Cold and Clear



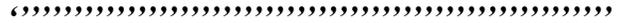
Hats off to the torpedo retrieval divers who first had to drill a hole through the ice, then go in, attach retrieval gear to the fish and guide them back up to the surface. Water temperature was about 28F. When they got back above the ice the temperatures were in the negative 20's.



HUMOR



An engineer dies and goes to Hell. Dissatisfied with the level of comfort, he starts designing and building improvements. After a while, Hell has air conditioning, iced water, flush toilets and escalators, and the engineer is a pretty popular guy. One day God calls and asks Satan, "So, how are things going down there?" Satan says, "Why, things are going great. We've now got air conditioning, iced water, flush toilets and escalators, and there's no telling what this engineer is going to come up with next." God is horrified. "What? You've got an Engineer? That's clearly a mistake – he should never have gone down there! You know all engineers go to Heaven. Send him up here immediately!" Satan says, "No way, I really like having an engineer on the staff. I'm keeping him." God says, "Send him back up here or I'll sue you." "Yeah, right," Satan laughs, "and where are you going to get a lawyer?"



Musings

1. The location of your mailbox shows you how far away from your house you can be in a robe before you start looking like a mental patient.
2. My therapist said that my narcissism causes me to misread social situations. I'm pretty sure she was hitting on me.
3. My 60-year kindergarten reunion is coming up soon and I'm worried about the 175 pounds I've gained since then.
4. I always wondered what the job application is like at Hooters. Do they just give you a bra and say, "Here, fill this out?"
5. Denny's has a slogan, "If it's your birthday, the meal is on us." If you're in Denny's and it's your birthday, your life sucks!
6. If I make you breakfast in bed, a simple "Thank you" is all I need ... not all this, "How did you get into my house?" business!
7. The pharmacist asked me my birth date again today. I'm pretty sure she's going to get me something.
8. On average, an American man will have sex two to three times a week. Whereas, a Japanese man will have sex only one or two times a year. This is very upsetting news to me. I had no idea I was Japanese.
9. I can't understand why women are okay that JC Penny has an older women's clothing line named, "Sag Harbor."
10. I think it's pretty cool how Chinese people made a language entirely out of tattoos.



11. What is it about a car that makes people think we can't see them pick their noses?

12. Money can't buy happiness, but it keeps the kids in touch!

13. The reason Mayberry was so peaceful and quiet was because nobody was married. Andy, Aunt Bea, Barney, Floyd, Howard, Goober, Gomer, Sam, Earnest T Bass, Helen, Thelma Lou, Clara and, of course, Opie were all single. The only married person was Otis, and he stayed drunk.



[USWN Articles](#)

[Modernized Trident Missile Passes Demo, Certifies Sub For Patrol](#)

[Lisa Daigle, Military Embedded Systems, April 3](#)

The Navy submarine USS Nebraska recently demonstrated a successful launch of two Lockheed Martin-built and -upgraded Trident II D5 Life Extension missiles.

The test, known as Demonstration and Shakedown Operation (DASO) 28, was conducted in the Pacific Ocean off the coast of southern California.

Eric Scherff, vice president of Navy Strategic Programs at Lockheed Martin, said of the demonstration: "In addition to certifying the submarine and crew for patrol, the test launch collected valuable data about the performance of the D5 Life Extension missile configuration. Instead of

warheads, the missiles carried test kits and instrumentation to give us troves of information about flight and subsystem performance. The joint government and industry team will use this data to assess performance and to inform maintenance and sustainment plans for the upgraded Trident missile fleet for decades to come."

Lockheed Martin officials say that with its modernized electronics and upgraded avionics subsystems, the Trident II D5 LE configuration will be in service with the U.S. Navy and the British navy through the 2040s.



[Navy Divers Rescue Driver Who Plunged Jeep Into Frigid Lake](#)

[Mark D. Faram, Navy Times, April 1](#)

A pair of Navy divers were in the right place at the right time on March 23 when they witnessed a Jeep Cherokee careen off the road near Rockport, Maine, and into Chickawaukie Lake.

Navy Diver Third Class Thomas Parhiala, of Salem, New Hampshire, and Navy Diver Third Class John McLeod, of Wiscasset, Maine, were on a quick trip to McLeod's hometown to pick up his motorcycle when they saw the Jeep suddenly swerve off the highway.

"It was getting dark and it was one of those surreal experiences as we both saw the Cherokee go into the water about 400 yards in front of us," Parhiala, who was driving, told Navy Times. "We both kind of looked at each other and said 'did you see that?'"



Nothing more needed to be said. The men stopped the vehicle, ran down the sharp 20-foot embankment and went headfirst into the water, swimming out to the vehicle.

“The vehicle was in the water and sinking, but the passenger window was either open or gone and the driver was just floating between the front seat and back seat,” Parhiala said.

While pulling the man from the vehicle, the sailors looked around to make sure there weren't others who needed help.

“He started to come to, so I started screaming at him asking if anyone else was in there,” McLeod said.

Both recalled the driver, Jonathan Marr, 35, of Thomaston, Maine, saying “no.” But to be sure, Parhiala stayed to take a look around. McLeod, meanwhile, swam Marr to shore.

The rescue only took a few minutes from start to finish, but by the time they were back on shore, additional motorists had stopped and someone had called for help.

Neither have met or talked to Mann since the incident, and the divers say they don't believe they did anything special. Their first priority was taking care of the driver, they said, then getting themselves warm.

“We just did what had to be done,” Parhiala said. “It wasn't anything special, we just happened to be the first ones on the scene.”

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**New Undersea Drones Are Smaller,
Cheaper And Can Be Refueled Deep
Under Water**

Victoria Leoni, Defense News, April 10

NATIONAL HARBOR, Md. — Bright yellow underwater drones were a visible highlight on the exhibition floor here at the Sea-Air-Space Exposition.

Among the autonomous underwater vehicles (AUVs) featured: a new high-speed, micro-sized vehicle by Hydroid and a subsea drone refueling station by Teledyne Energy.

Hydroid's Remus M3V is substantially smaller than previous models. With a compact, A-size (36-inch long, 4.875-inch diameter) envelope and no fins or appendages, the vehicle can achieve speeds of more than 10 knots and dive up to 300 meters. It can be used in search and survey; intelligence, surveillance and reconnaissance (ISR); and multivehicle missions.

With its variable center of gravity, the Remus M3V can also operate in buoy mode. Its key marketing points are its small size, low cost and compatibility with existing AUV operating systems.

“The Navy always wants more with less,” said Justin S. Reid, business development manager at Hydroid. “They want a smaller vehicle that can do the same things as a larger vehicle, and also the price point to match it.”

Teledyne Energy featured its untethered subsea power station at the exposition, along with its Gavia AUV. The Gavia can perform side-scan sonar operations to capture images of the sea floor. It is intended to travel ahead of Navy fleets and transmit oceanographic data back to the vessels.

Teledyne's subsea power station can remotely refuel the Gavia and other underwater vehicles.



Deployable via ship or helicopter, the fuel cell system has an energy storage of 200 kilowatt-hours and an operating depth of 3,000 meters.

Teledyne will demonstrate the subsea power station at the Navy's Advanced Naval Technology Exercise in August.

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Attack on Syria Marks First Combat for Virginia-class SSN, Soon-to-Retire EA-6B Assists Richard Burgess, Sea Power Magazine, April 16

ARLINGTON, Va. - The April 13 cruise-missile attacks against chemical weapon sites in Syria marked the first known combat action for the Navy's Virginia-class nuclear-powered attack submarine (SSN).

According to an April 14 Pentagon press briefing, USS John Warner, staged in the Mediterranean Sea, "fired six Tomahawk missiles" during the assault.

Submarines have launched Tomahawk missiles before in several actions in Libya and the Middle East, but all have been from Los Angeles-class SSNs and USS Florida, an Ohio-class nuclear-powered guided-missile submarine.

In all, 105 missiles were fired U.S. and French ships, and U.S., U.K. Royal Air Force and French aircraft.

"First, in the Red Sea, the Ticonderoga-class [guided-missile cruiser] Monterey, fired 30 Tomahawk land-attack cruise missiles," said Marine Lt. Gen. Kenneth F. McKenzie Jr., director of the Joint Staff. And the Arleigh Burke-class destroyer Laboon fired seven Tomahawks. In the North Arabian Gulf, the Burke-class destroyer Higgins fired 23 Tomahawks. In the Eastern Mediterranean, the French frigate Languedoc fired three missiles of their naval version of the SCAT missile. Also, in the Mediterranean, the Virginia-class submarine John Warner fired six Tomahawk missiles.

"In the air, two B-1 Lancer bombers fired 19 Joint Air-to-Surface Standoff Missiles [JASSMs]," McKenzie said. "In addition, our British allies flew a combination of Tornados and Typhoons and launched eight Storm Shadow missiles. Our French allies flew a combination of Rafales and Mirages and launched nine Scout missiles."

McKenzie later said the JASSM missiles were the extended-range variant, the JASSM-ER.

The Barzeh Research and Development Center, located in the greater Damascus area, was attacked by 76 missiles — 57 Tomahawks and 19 JASSMs.

The Him Shinshar chemical weapons storage facility, just west of Homs, was struck by nine Tomahawks, eight Storm Shadow missiles, three naval versions of the SCAT cruise missile and two Scout land-attack cruise missiles.

The Him Shinshar chemical weapons bunker facility was hit by seven Scout missiles.

"All weapons hit their targets at very close to the designated time on target, of about 4:00 a.m. in Syria, which, of course, is 9:00 here on the East Coast," McKenzie said.

U.S. naval aviation's long-serving EA-6B Prowler electronic attack aircraft provided suppression of enemy air defenses in the April 13 strikes, joining in one more combat action in the aircraft's long history, which is scheduled to end next year.

An EA-6B assigned to Marine Tactical Electronic Warfare Squadron Two (VMAQ-2) provided electronic jamming support for the Air Force B-1B Lancer bombers that struck the Syrian targets with cruise missiles.

VMAQ-2 is on its last scheduled deployment for the EA-6B, which is scheduled to be retired by the Marine Corps in 2019. Another squadron, VMAQ-3, is scheduled for deactivation next month at Marine Corps Air Station Cherry Point, North Carolina. The



Navy has retired EA-6Bs from its electronic attack squadrons in favor of the EA-18G Growler. The EA-6B first entered fleet service in 1971, seeing combat in 1972 over North Vietnam.

During the Pentagon news conference, McKenzie said the attacks on multiple axes “were able to overwhelm the Syrian air-defense system. None of our aircraft or missiles involved in this operation were successfully engaged by Syrian air defenses, and we have no indication that Russian air-defense systems were employed. We are confident that all of our missiles reached their targets. At the end of the strike mission, all our aircraft safely returned to their bases.

“We assessed that over 40 surface-to-air missiles were employed by the Syrian regime,” he said. “Most of these launches occurred after the last impact of our strike was over,” he said. “It is likely that the regime shot many of these missiles on a ballistic trajectory. I mean, by that, without guidance. And we assess that the defensive efforts of Syria were largely ineffective, and clearly increased risk to their people based on this indiscriminate response. When you shoot iron into the air without guidance, it's going to come down somewhere

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What Is ‘Acoustic Cloaking’ And How Does It Work?

Todd Bates, Futurity, April 23

A model for directing sound waves to go around, instead of colliding with, an object—effectively cloaking it from detection—could have a wide range of applications from military to medical.

Andrew Norris, a professor in the department of mechanical and aerospace engineering at Rutgers University-New Brunswick and pioneer in the field of cloaking, which can help make underwater objects appear invisible, created the model.

Here, Norris discusses his research, which could lead to improved acoustic technology, including better imaging underwater, and biomedical applications, such as enhanced imaging of tissue.

What is cloaking?

Cloaking is sort of synonymous with invisibility, like when Harry Potter wears an invisibility cloak. He puts it on and disappears. There are lots of sci-fi references to invisibility—the (comic book characters) Invisible Woman and the Invisible Man. They have cloaking devices in Star Trek. So, it’s always been of interest in literature, in society, and in science.

During the last 20 years or so, people have realized it’s possible to achieve one kind of cloaking—the basic idea is to control sound waves in ways you couldn’t before.

What do you study?

We study acoustics—sound that can be in the air, fluids, and solids. Generally, we use mathematical models to explore possibilities for different kinds of devices and see how we might control sound. We often find things that we didn’t expect. We can make effects that might appear impossible, but everything is based on the laws of physics. Much of our work involves designing and testing innovative materials and structures to control how sound waves move.

What have been your major findings?

Our findings are in the field of cloaking. A cloak bends the light around an object so it is invisible. The same concepts apply to other kinds of waves, including sound. To make a cloak for sound or light, you must be able to

make new forms of material that can bend the waves around the object inside the cloak.

We are focusing on developing a new material design using metallic lattices. Our lattice consists of relatively thin metal pieces arranged in a honeycomb pattern if the structure is two-dimensional, and like a diamond structure in 3D.



Metal on semiconductors may lead to invisibility cloaks

While these structures cannot yet make cloaking devices, we found they can be used in other unexpected applications, such as making underwater acoustic lenses. We designed a lens that focuses and amplifies sound. The lens is novel because no power is necessary and it can focus acoustic energy in a small region, magnifying the signal from a distant sound source.

We also designed an underwater device that can redirect acoustic energy from a hydrophone. A hydrophone produces sound underwater, but the sound energy is directed almost equally in all directions.

Why are your findings important and what are the practical implications?

Acoustics is central in communications, whether the sound provides useful information or annoying noise. Our research has developed theoretical and practical methods to better understand how to control sound.

Our focus is on applications for underwater sound, such as sonar sound waves used in communicating and locating things. The Navy has expressed interest. Everyone asks whether a cloak could make a submarine invisible, but that is quite unrealistic. The size of any effective cloak would dwarf the sub.

We also could see applications in commercial devices. Examples would be improved acoustic imaging underwater for finding fish or imaging the ocean bottom. Biomedical applications could include better imaging of tissue, which is very much like water when it comes to acoustics.

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Base Officers & Key Personnel

Base Commander: Jim Reynolds
757-479-0034
stpreynolds@gmail.com

Senior Vice Commander: Ted Vorce
757-376-2458
tvorce@verizon.net

Junior Vice Commander: Gary Galles
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garygalles@hotmail.com

Secretary/Treasurer: Craig Werner
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COB: Craig Dudley
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Storekeeper: R. O. Bradford
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Chaplain: Brian Krammes
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Events Coordinator: Gary Galles
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Kap(SS)4Kid(SS) Coordinator: Rich Corey
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Social Media Coordinator, Webmaster: Sam Stevens
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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 21-APRIL-2018

Meeting was called to order by Base Commander, Jim Reynolds at 11:15 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 Past Base Chaplain, Charlie Bush.
- The USSVI Creed was read by the Base Senior Vice Commander, Ted Vorce.
- The Pledge of Allegiance was led by Base Commander, Jim Reynolds.
- The Tolling of the Boats Ceremony was read by Base Secretary & Treasurer, Craig Werner while the bell was rung by Past Base Chaplain, Charlie Bush.
- A round robin of introductions was held starting with new members Rich Sutherland and Al Grossman giving their names, qual boats and year they qualified then followed by all other members present identifying themselves with their qualification boats along with introducing any guests they brought to the meeting.

Binnacle List: Base Secretary & Treasurer, Craig Werner for Base Chaplain, Brian Krammes:

- ETR3(SS) Ed Hynes – Leukemia still and cannot be in any crowds, his wife has an embolism in her lung, and his daughter's liver cancer is now in remission.
- ENC(SS) Ike Spears – He and his wife were here today despite his and his wife's health problems.
- EMCS(SS) Craig S. Werner – Had a total replacement of his right knee 3 weeks & 2 days ago and his left knee 8 weeks & 4 days ago but I'm here today and doing well. Thank you to all who asked about me and how I've been doing.

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

- Minutes of the 10-MARCH-2018 Base Meeting were emailed out to all members on 11-MARCH.
- 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 maintained by the base.
- I need everyone's help to keep everything up-to-date, please let me know if you know about others.
- 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.
- The new USSVI.org website is still not working correctly there is no further information as of yet.

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

- The combined Base Operating and Investment Accounts opening balance as of 01-MARCH-2018 was \$ 40,235.02.
- The Base Operating Accounts had an income for the month of MARCH-2018 of \$ 372.99.
- The Base Operating Accounts had expenditures for the month of MARCH-2018 of \$ 1571.54.
- The Schwab One Investment account started on 01-MARCH-2018 at \$ 21,740.21 and ended on 31-MARCH-2018 at \$ 21,672.20 for a net increase/decrease of \$ 68.01 for the month of MARCH-2018.
- The HRB Scholarship Program and General Operations Fund opened on 01-MARCH-2018 at \$ 1743.83, after donations, and expenditures totalling \$ 20.00, ended on 31-MARCH-2018 at \$ 1763.23.
- The HRB Kap(SS) 4 Kid(SS) Program opened on 01-MARCH-2018 at \$ 3846.44, after donations, expenditures, and interest totalling \$ 0.10, the program ended on 31-MARCH-2018 at \$ 3846.54.
- The HRB Emergency Relief Fund opened on 01-MARCH-2018 at \$ 1147.40, after donations, expenditures, and interest totalling \$ 60.03, ended on 31-MARCH-2018 at \$ 1207.43.
- The Storekeeper's Petty Cash as of 31-MARCH-2018 was \$ 84.00.
- This has resulted in a net increase/decrease of \$ 1198.55 in the combined Base Operating and Investment Accounts for MARCH-2018.
- The combined Base Operating and Investment Accounts ending balance as of 31-MARCH-2018 was \$ 39,107.60.

Store Keeper's Report: Base Storekeeper, R.O. Bradford:

- 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 free but anything added to the donations bucket helps and is appreciated.

Committee Reports:

- **Membership Committee** – Base Senior Vice Commander, Ted Vorce:
 - With gains and losses we are at - 270 - members; this is a gain of - 12 - members over where we were this time last year and that's great! We need to up the good work of bringing in new members.
 - The roster of all HRB members sent out on 06-APRIL-2018.
 - I've looked over the membership numbers nationally and we need to grow the Base by ONLY 5 members in order to tie with Charleston Base and 6 to take over 2nd place in membership.
 - 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, Ted Vorce:
 - The deadline for applications and all supporting documents for the 2018-2019 Scholastic has past.
 - We've received - 4 - applications.
 - The Committee will now evaluate all the applications submitted and will make a selection.

- **Program & Events Committee** – Base Junior Vice Commander, Gary Galles:
 - Recently Completed Events:
 - There was an FRA #60 meeting here on 14-MARCH.
 - The Hampton Roads Area 118th Submarine Birthday Ball was a week ago on 14-APRIL, we had 35 members and guests at our tables.
 - There was a NSL meeting on 18-APRIL.
 - Pending Events:
 - The Submarine Memorial and Hall of Fame Boat ceremonies will be 17-MAY-2018.
 - The 50th USS SCORPION Memorial Service will be 25 thru 28-MAY-2018 on NOB Norfolk.
 - The 134th Portsmouth Memorial Day Parade in Portsmouth is on Monday, 28-MAY-2018.
 - The Holland Club Induction Ceremonies FOR YEAR GROUP 1968 will be during our 16-JUNE-2018 meeting.
 - The Base Picnic Meeting and Scholarship Award Announcement will be on 21-JULY-2018.
 - The USSVI 2018 National Convention is a cruise 21 thru 28-OCTOBER-2018; go to the website, <http://www.ussviconvention.org/2018/> for more information.
 - Veterans Day Parade, Memorial Service and Luncheon on 12-NOVEMBER-2018.
- **Ways and Means Committee** – Base Junior Vice Commander, Gary Galles:
 - Raffle chances for tickets to this year's Base Winter Holiday Party being sold at the raffles table.
 - Buy your raffle tickets for \$1 each (there are no multi-ticket discounts).
 - We'll be drawing for a pair during our November's **Good of the Order**.
 - Submarine Pens are available for sale; see the Base Secretary & Treasurer, Craig Werner, after the meeting to purchase your pens.
 - 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:
 - Sam Stevens has gotten us into the Daily Press newspaper in Hampton and all its electronic connections.
 - I've started working with the CSL PAO office to generate a quarterly news release about the Base and the work we do. It will be included in the Undersea Warfare News and will also be released to the newspapers, radio stations and television stations in our area.
 - 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.
 - I have HRB generic business cards for everyone to carry see me if you need any.
- **Newsletter Committee** – Newsletter Editor, Marlin Boyle:
 - If you have anything for next month's newsletter, get it in by the twenty-fifth of this month.
 - All new members need to see the Newsletter Editor, Marlin Boyle to have their picture and simple biography included in the newsletter.
- **Submarine Memorial and Hall of Fame Committee** – Committee Chairman, Ken Swan:
 - Date/time confirmed: 17-May-2018 at 10:00 hours
 - Several Shadowbox items received
 - Sysco confirmed commitment to support picnic again (except for drinks and basic supplies) by email to Dick
 - SubVets will cover drinks and basic supplies (last year was about 200 dollars) but SLF has left over supplies so it should be slightly less. We provided itemized list of what we used last year with prices etc.
 - Estimated head count for planning: 100
 - SLF plans on asking for BOISE as tour boat as practice for Scorpion event (two weeks later)
 - SLF will host pre-reception in CO Conference Room for WWII Vets, VIPs etc.

- SLF will open trainers for tours
- Shark memorial looked good
- Rehearsal scheduled for day prior to ceremony
- SLF has our checklist and knows invited speaker is active duty VADM with Ret VADM confirmed as backup
- SLF will support duty van rides between NEX Movie Parking Lot and SLF for those without base access
- Ron is asking for Color Guard volunteers from SubVets.
- Next HOF planning meeting will be Wed, 02-MAY, at the SLF.
- **Kap(SS) 4 Kid(SS) Committee** – John Sidlovsky for Committee Chairman Rich Corey:
 - We visited the NMC-P on 20-MARCH, with 10 members and 1 spouse. We visited 8 kids, 4 boys and 4 girls, from 22 months to 13 years old.
 - We gave out stuffed animals, courtesy of Fred Lowack, and that went over so well that we are looking at getting some to give out at every visit.
 - We will visit the NMC-P on 24-APRIL, any who will be going please contact John Sidlovsky.
 - 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.
 - 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.
- **USS SCORPION Memorial Committee** – Committee Chairman, John Donaldson:
 - "CAPT William Richardson will introduce his son CNO ADM John Richardson who is the keynote speaker.
 - There will be a USSVI section, the Family will have a section in the front and the Shipmates will have a section. Since the family and shipmates add up to 450, they will have the bulk of the best seats. Everyone who attends must have a ticket or they will not be able to sit in the USSVI section (or the other sections).
 - Please e-mail me (john.donaldson@earthlink.net) with your name and spouse/children's names and I will have tickets at the May SubVets meeting. If you do not have access to the base, your ticket will get you through the gate also.
 - Please e-mail me with any questions."
- **Norfolk Sail Committee** – Committee Chairman Base Commander, Brian Daugherty:
 - We've contacted the Mayor of Norfolk, Kenny Alexander, and he is on board for bringing the sail of the NORFOLK to Norfolk.
 - We now have a point of contact in the city for support and coordination.
 - Fred Lowack is going to use his contacts in the shipyard to garner support at all levels for this project.
 - We need to get things moving and now, with the City's support, we can.

Old Business:

- Renovation of the Base Parade Trailers – Trailers Custodian, John Sidlovsky:
 - We're going to have a working Saturday, 05-MAY starting at 10:00 hours.
 - We'll have to do a lot of prep work but we now have tools to do things.
 - After the prep work is done the fiberglass work and painting won't take very long and the trailers should be ready for the Memorial Day parade in Portsmouth.
- Sam Stevens has the new Base website, <https://www.hrb-ussvi.org>, up and running while still under development and modification.
 - We now have a members' only section that is limited to Base members only and requires you to log-in to the website using your USSVI registered email address.
 - If you have anything that you think should be posted on our website get it to Sam and he will format it and clear it through the Base Secretary for posting.
- Email issues:
 - The problem with emails to members with Cox.com addresses being treated by the host as spam continues but is not nearly as pervasive as it was.
 - It will help greatly if you put Craig's email address on your white list so his emails will come through.

New Business – Base Secretary & Treasurer, Craig Werner:

- Eagle Scout presentation for **Shane Robert Catherman** at 15:00 hours on 05-MAY.
 - BSA Court of Honor
 - St. Andrews Methodist Church
 - 717 Tucson Road
 - Virginia Beach, VA 23462.
 - Anyone who can get to the Court of Honor should contact our scouting coordinator, Bill Newton, wmneweton@cox.net or 757-591-1836.

Program: CDR Jason E. Weed from CSL on ICEX 2017

Good of the Order:

- There is a Veterans Parade in Norfolk next Saturday, in conjunction with the Virginia International Tattoo and they are looking for about a dozen Vets to ride on the floats, contact Harry Biela.
- This evening there will be an NRA event for \$50 per person with food and displays, contact Harry Biela.
- Review of boats lost in the month - Base Secretary & Treasurer, Craig Werner:
 - USS PICKERELL (SS-177) in 1943
 - USS SNOOK (SS-279) in 1945
 - USS GRENADIER (SS-210) in 1943
 - USS THRESHER (SS-593) in 1963
 - USS GUDGEON (SS-211) in 1944

- Review of members' birthdays for the month - Base Commander, Jim Reynolds:
 - Chris Stolle on 01-APR
 - Jim McDonald on 04-APR
 - Randy Kulp on 06-APR
 - Ed Magary on 07-APR
 - Jeff Cross on 07-APR
 - Pat Taylor on 08-APR
 - Ben Kern on 11-APR
 - Bob Michael on 12-APR
 - Harry Seibel on 12-APR
 - Bill Mullaly on 13-APR
 - Don Walters on 13-APR
 - James Hay on 15-APR
 - Charlie Walden on 16-APR
 - Al Jennings on 16-APR
 - Tony Antonik on 17-APR
 - Craig Dudley on 17-APR
 - George Williams on 20-APR
 - Dan Hengerer on 21-APR
 - Jim Mason on 22-APR
 - Merrill Dorman on 23-APR
 - Earl Koepcke on 24-APR
 - Kirk Unruh on 29-APR
- The 50/50 raffle of **\$ 129** was won by: **Joe Demnicki** (the base received **\$ 128**).
- The booze raffle was won by: **Brian Daugherty** (the base received **\$ 115**).
- Winter Holiday Party tickets raffle brought in: **\$ 25**; a total of **\$ 189** has been brought into the Base coffers between this raffle and the Submarine Birthday Ball tickets raffle for this year.
- There was **\$ 22** donated through the Donations Bucket for the Scholarship Program and General Operations Fund.
- Pen Sales brought in: **\$ 20**.
- There was a total of **\$ -0-** was donated for the Kap(SS) 4 Kid(SS) Program.
- There was a total of **\$ 10** was donated for the Emergency Relief Fund.

There were **- 68 -** members and **- 11 -** guests present at this meeting.

Our next Regular Base meeting will be: **19-MAY-2018** here at FRA Hall #60.

The meeting was adjourned at approximately **12:55** hours by Base Commander, Jim Reynolds.

Fair Winds and Following Seas,



EMCS(SS) Craig S. Werner, U.S.N. (Ret.)
Hampton Roads Base Secretary & Treasurer

Storekeeper's Inventory

(as of: 21-APRIL-2018)

ITEM	Qty. On Hand		Unit Price
BALL CAPS			
HRB-USSVI (Silver Dolphins)	0		\$ 15.00
HRB-USSVI (Gold Dolphins)	1		\$ 12.50
HRB-Submarine Veteran (Silver Dolphins)	0		\$ 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)	1		\$ 15.00
Holland Club (Gold Dolphins)	2		\$ 15.00
HRB-USSVI - Khaki (Silver Dolphins)	0		\$ 18.00
HRB-Submarine Veteran - Khaki (Gold Dolphins)	3		\$ 15.00
PATCHES & CLOTHING			
Hampton Roads Chapter Patch	40		\$ 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
MISCELLANEOUS			
HRB Challenge Coins	120		\$ 10.00
HRB Decal (Silver Dolphins)	21		\$ 5.00
HRB Decal (Gold Dolphins)	2		\$ 5.00
Dolphin Decals (6")	2		\$ 1.75
License Plate Frames	2		\$ 4.50
2018 USSVI Calendars	0		\$ 10.00

GUEST SPEAKER TOPIC SURVEY

Shipmates:

There are members who do not regularly attend our meetings for a wide variety of good reasons. We don't want "uninteresting speakers" to be one of those reasons.

At the 21 April base meeting we had survey forms distributed to each table in the room. That gave us sampling of the total membership. But it was only from the people there that day. This form is aimed at soliciting input from a broader audience.

Below is a list of potential topics. Using a 0 (No way) to 5 (Yubba – Dubba- Do) scale please rate each on its own interest to you.

- _____ **SubForce - what's happening in Fleet**
- _____ **Political perspectives in Hampton Roads**
- _____ **Banking investment for Veterans**
- _____ **Veterans' Health Benefits**
- _____ **Senior entertainment in Hampton Roads**
- _____ **Diet and nutrition**
- Other- Your suggestion:**

Please contact Ted Vorce with selections by email, or phone or other before the May 19 meeting.

757-376-2458

tvorce@verizon.net

May 1, 2018