



Vol. 15 No. 1

January 2019

Newsletter of Charleston Base, United States Submarine Veterans, Inc.

Base Meeting:

BOD: January 3, 1800
 Membership: January 10, 1900

Location:

FRA Branch 269
 Low Country Home
 99 Wisteria Rd.
 Goose Creek, SC



Base Commander	Ralph Rohrssen	843.670.2135	Chief of the Boat	Joe Lunn	843.747.5368
Base Vice Commander	Mike Ciesielko	843.324.0011	Veterans Affairs	Tom Lawson	843.327.3282
Secretary	Gordon Long	843.214.2353	Membership	Larry Knutson	843.860.1155
Treasurer	Gordon Williams	843.553.3015	Scholarship	Carl Chinn	843.437.5515
			Storekeeper	Ken Hutchison	843.553.0935
			Historian	George Scharf	843.873.3318
			Public Affairs	Rick Wise	843.875.5559 (H) 843.276.0899 (C)
			Chaplain	Nick Nichols	843.452.3189
			Events Coordinator	Rick Sparger	843.553.5594
			Holland Club	Bill Freligh	843.553.1115
			Newsletter	Rick Wise	843.875.5559 (H) 843.276.0899 (C)
			Webmaster	Nick Nichols	843.452.3189
			Kaps for Kids	Bill Kennedy	843.875.3109



Submarines Lost During the Month of January

USS SCORPION (SS-278)	Jan. 5, 1944 – 4 th War Patrol	Lost with all hands – 77 souls
USS ARGONAUT (SS-166)	Jan. 10, 1943 – 3 rd War Patrol	Lost with all hands – 102 souls
USS SWORDFISH (SS-193)	Jan. 12, 1945 – 13 th War Patrol	Lost with all hands – 89 souls
USS S-36 (SS-141)	Jan. 20, 1942 – 2 nd War Patrol	No loss of life
USS S-26 (SS-131)	Jan. 24, 1942 – 2 nd War Patrol	Lost with 46 souls–3 men rescued

Five Boats and 314 Men Lost

Table of Contents

From the Editor	2
From USSVI National, Regional and District	3
Blue Water Navy Veterans From Vietnam-era Win Agent Orange Benefits Case	3
Charleston Base November Meeting Minutes	4
A Thank You For The Work You Did For the Christmas Party	9
Hunley-Housatonic Memorial Service	10
Admiral Osborne Scholarship Raffle	11
New Nanomaterial Takes Stink out of Submarine Air	12
New Base Challenge Coins	13
We've Got Your Back!	13
Nave Quietly Tested New Mach 3 Heavy Gun Shells	14

Upcoming Charleston Base Events

Base BOD Meeting	Thursday, Feb. 7, 1800	FRA Branch 269 Goose Creek
Base Meeting	Thursday, Feb. 14, 1900	FRA Branch 269 Goose Creek
NPS Class 1806 Graduation	Friday, Feb. 15, 0900	Carpool from NEX Parking Lot at 0800
Hunley-Housatonic Memorial	Sunday, Feb. 17, 1830	See page 10
K4K Visit	Tuesday, Feb. 19, 1000	McLoud Hospital, Florence, SC
Swamp Fox Meeting	Thursday, Feb. 21, 1130	FRA Branch 269 Goose Creek

Information on all these events are on the base website www.ussvicb.org/events/index.html

From the Editor

I'm sorry the newsletter is so late but I didn't receive the minutes until this morning. It takes me about 4 hours to get the edition together but I couldn't start until the afternoon and converting from the PDF format into Microsoft Publisher was more difficult than usual. Since I have the minutes following the USSVI National items it means I have to add pages as I enter and then re-arrange everything that comes after. In order to allow me to have the newsletter finished as soon as the minutes are received the minutes will be at the end of the newsletter just before the advertising.

I AM NOT CRITICIZING THE SECRETARY! It takes quite a bit of time to listen to the recording of the meeting and generate a document that reflects what happened. Like all Submariners Gordon has high standards. He also works full time and has family obligations to meet. He gets the minutes out as soon as possible.

For the first time in sixteen years I missed all the Christmas Parades. There was a good reason but I still feel a little lessened by not being there. We are in the parades for several reasons: to attract new members, to remind the public of the submarine history of Charleston and to remind the public that there are still submarines on patrol protecting them. Also it's a rush to have them say "Thank You!" If you missed the parades last year there's always this year and I promise you that you will enjoy it!

Also a big THANK YOU to **Carl Chinn** for the two Navy articles in the newsletter!

From USSVI National

Normal message traffic from USSVI will be published each month in the newsletter. If the message is of immediate interest to the membership it will be sent out by the Base Secretary. Messages are arranged in the order received

NOTHING RECEIVED

The following article was forwarded by our District Commander Wayne Phillips.

The U.S. Court of Appeals for the Federal Circuit rules 9-2 in favor of Blue Water Navy Vietnam Veterans

Vietnam Veterans of America

January 30, 2019

'Blue water' Navy veterans from Vietnam-era win Agent Orange benefits case

By Ann E. Marimow
January 29 at 4:46 PM
Washington Post

A federal appeals court in Washington sided Tuesday with thousands of Vietnam War veterans who were stationed offshore during the war and developed health problems linked to exposure to the toxic herbicide Agent Orange.

The U.S. Court of Appeals for the Federal Circuit ruled overwhelmingly for these sailors, finding they are eligible for the same disability benefits as those who put boots on the ground or patrolled Vietnam's inland rivers.

The 9-to-2 decision reverses a decade-old ruling by the court and applies to an estimated 52,000 veterans nationwide. A court majority said Congress clearly intended to extend benefits to sailors who were stationed in the territorial seas and are known as "blue water" Navy veterans.

"We find no merit in the government's arguments to the contrary," Judge Kimberly A. Moore wrote for the majority.

The two dissenting judges warned against overturning the court's previous decision and said such policy decisions should be reserved for lawmakers.

Similar efforts in Congress to broaden benefits have stalled in recent years. Veterans Affairs Secretary Robert Wilkie and four former secretaries opposed the legislation, citing cost and the need for further study.

"Recent debates in Congress, which required consideration of the significant cost of the proposed addition of Blue Water Navy veterans underscores why Congress, rather than the courts, should be the one to revisit our interpretation," wrote Judge Raymond T. Chen, who was joined by Judge Timothy B. Dyk.

[The 'blue water' Navy veterans of the Vietnam War battle Agent Orange]

The appeal was brought by Alfred Procopio Jr., who served on the USS Intrepid, an aircraft carrier deployed off the coast of Vietnam. Procopio, 73, was denied benefits for claims related to his diabetes and prostate cancer. Both are ailments the U.S. government has linked to exposure to the infamous herbicide the U.S. military sprayed to destroy crops and reduce cover for enemy forces.

An administrative board found him ineligible because he was not "present on the landmass or the inland waters of Vietnam."

The ruling Tuesday means Procopio and any other veteran who served within Vietnam's territorial sea will now be presumed eligible for disability benefits if they have one of the diseases that is linked to the herbicide.

Procopio's attorney Mel Bostwick called the decision "crucial and long overdue."

"These Vietnam veterans sacrificed their own health and well-being for the good of the country, and the benefits that Congress provided --- and which the court's decision now secures --- are part of the debt of gratitude we owe them for their service," she said in a statement following the ruling.

"For years, Navy veterans have suffered with the effects of Agent Orange exposure while the VA remained recalcitrant," attorney John B. Wells, a retired Navy commander, who has led lobbying efforts in Congress, said in a statement Tuesday.

The Department of Veterans Affairs will have to assess Procopio's disabilities before calculating his benefits and evaluate other veterans like him with pending cases.

The government can seek review by the Supreme Court. A VA spokesman, Curt Cashour, said the department is "reviewing this decision and will determine an appropriate response."

During the war, those patrolling Vietnam's coastline like Procopio were referred to as the "blue water" Navy in contrast to the "brown water" sailors who operated on inland waterways.

Advocates for the blue water sailors point to studies that show exposure to Agent Orange occurred through contaminated water funneled into ships' distillation systems and used for drinking, laundry and cleaning. Much of the spraying was on low-lying swamps of the Mekong River Delta that flows into the South China Sea, where they were stationed.

A three-judge panel of the court previously heard Procopio's case but did not issue a decision. Instead, the court took the unusual step of rehearing the case as a full panel in December.

[Agent Orange's reach beyond the Vietnam War]

The question before the full court was whether Congress intended to give the blue water sailors the benefit of the doubt when it comes to showing their medical conditions are connected to toxic exposure.

One disputed line in the statute that was persuasive to the majority says the presumption, entitling veterans to disability benefits, applies to any "veteran who, during active military, naval, or air service, served in the Republic of Vietnam."

In her 19-page opinion, Moore wrote that the inclusion of that language reinforces "our conclusion that Congress was expressly extending the presumption to naval personnel who served in the territorial sea."

United States Submarine Veterans, Inc., Charleston Base Minutes of Business Meeting 10 January 2019

Opening Ceremonies:

□ The January 2019 Base Meeting was called to order by Vice Commander Mike Ciesielko in the absence of Base Commander Ralph Rhorssen with a quorum of three officers and a total of 73 members present. The meeting started at 1900 with the sound of the diving alarm.

□ A quartet from the Charleston Barbershop Chorus opened the meeting by singing The Star Spangled Banner.

□ The Pledge of Allegiance was led by the Vice Commander and recited by the members in attendance.

□ The Invocation and the Tolling of the Boats lost during the month of January was given by Base Chaplain Nick Nichols. Submarines lost during the month of January:

- USS SCORPION (SS-278) January 5, 1944 – 4th War Patrol Lost with all hands – 77 souls
- USS ARGONAUT (SS-166) January 10, 1943 – 3rd War Patrol Lost with all hands – 102 souls
- USS SWORDFISH (SS-193) January 12, 1945 – 13th War Patrol Lost with all hands – 89 souls
- USS S-36 (SS-141) January 20, 1942 – 2nd War Patrol No loss of life

- USS S-26 (SS-131) January 24, 1942 – 2nd War Patrol Lost with 46 souls–3 men rescued
- 5 Boats and 314 Men Lost
- The following Charleston Base members have departed on Eternal Patrol since the 2017 Christmas Party. This list was read and the bell tolled at the party but for the benefit of those members who were not there, the names and date of Eternal Patrol were read during this meeting. The bell was tolled after the complete list was read.
- **TM1(SS) Submarines, Michael L. McLuskey** – Eternal Patrol September 4, 2015
- **MoMM2c(SS) Samuel Eugene Whatley, WWII SubVet** – Eternal Patrol November 28, 2017
- **StM1c(SS) William Lee Jones, WWII SubVet** – Eternal Patrol December 30, 2017
- **QM1c(SS) Walter James Curtis, WWII SubVet** – Eternal Patrol February 10, 2018
- **TMC(SS) Vernon J. Freshour** – Eternal Patrol March 1, 2018
- **ETCS(SS) Paul A. Viering** – Eternal Patrol July 17, 2018
- **CDR(SS) John R. Spear** – Eternal Patrol August 10, 2018
- **LCDR(SS) Churchill James Campbell, WWII SubVet** – Eternal Patrol October 4, 2018
- **ENCS(SS) Michael Howard Bailey** – Eternal Patrol October 9, 2018
- **RMCM(SS) Larry Lyle Cox** – Eternal Patrol October 21, 2018
- **MTC(SS) Luther F. Murphy** – Eternal Patrol November 26, 2018
- The USSVI Creed was read by Vice Commander Mike Ciesielko and welcomed members and guests to the meeting.
- Following the opening ceremonies, Base Secretary Gordon Long (Baritone) introduced the other singers as Richard Daehler-Wilking (Tenor), Robert “Bobby Z” Zangara (Lead), Brian Pokrant (Bass). Gordon also encouraged the Base membership to consider forming a quartet to sing our National Anthem on a regular basis.

Introductions of New Attendees:

- Three men were present at the Base meeting for the first time:
 - William “Bill” Burnett – EMCM – Qualified on USS Andrew Jackson SSBN-619 after serving in the skimmer fleet. Also served aboard USS Ray SSN-653, as Nuclear Power School Instructor and COMSUBLANT Staff – Retired in ‘72
 - Steve Woodside – MM1 (A-gang) – Qualified on USS Grampus SS-523. Also served aboard USS Henry L. Stimson SSBN-655 and USS Orion AS-18
 - Ricky Bradley – CSCS – Qualified on USS Dallas SSN-700 – Also served aboard USS Maryland SSBN-738, USS George Washington Carver SSBN-656, USS Albany SSN-753, USS Minneapolis-Saint Paul SSN-706, USS Chicago SSN-721, USS Houston SSN-713 – Retired in ‘01

Old Business:

- No old business

New Business:

- **Ed Stank** – Discussed the burial of Walt Curtis (WWII SubVet) which will be at Beaufort National Cemetery on January 18. Ed asked those who want to go to contact him to arrange carpools.
- **Harry Nettles** – Advised the Base membership of the upcoming commissioning ceremony of the **USS Charleston LCS-18**, then introduced Captain Patrick Keaveny from the Navy League.
- **Captain Patrick Keaveny** – Provided some information about the Littoral Combat Ship Charleston LCS-18 and then the details about the commissioning which will be held in downtown Charleston at 1000 on March 2, 2019. The ceremony is expected to last under two hours and will be held regardless of weather conditions. Pat outlined the procedures, which are quite extensive, for obtaining tickets to the event. Security will be extremely tight. They expect to have tours available, but he does not know what the schedule will be. Since the ship will be homeported in San Diego, the commissioning ceremony will likely be the only time that the ship will be here in Charleston.

Hunley Ceremony – Harry Nettles:

- Harry reminded the Base about the Hunley Memorial Service which will be held at Sullivan’s Island on Sunday, February 17. He would like to see many Base members there to show support of the event’s historic value. The uniform is the “Charleston Tuxedo”. Check the Events Calendar on the Base website for further details.

Secretary – Gordon Long:

- The Minutes from the USSVI Charleston Base November Business Meeting have been published in the

Base Newsletter and promulgated on the Base website. There were no additions or deletions. The minutes were approved.

Treasurer – Gordon Williams:

□ The Treasurer's Report for November/December have been published and promulgated on the website. There were no additions or deletions. The report was approved.

Chaplain – Nick Nichols:

□ **Highlighted boat of the month:**

○ USS S-36 SS-141 was lost on January 20, 1942 with no loss of life, on her 2nd war patrol. She ran hard aground on a reef and radioed for help. The entire crew was rescued by a Dutch ship after they scuttled her.

□ **USSVI National Chaplain, Bill Dixon**, is slowly recovering from a recent heart attack. The Carolina Piedmont Base Chaplain, Ray Fritz, is filling in for him until he is able to resume as National Chaplain.

□ **Rich Alkire** is in Trident ICU after falling a couple days ago. He is waiting on more tests.

□ **Ken Curtis** is having some health issues and was in the hospital the weekend before Christmas.

□ **Art Hance** has been diagnosed with stage 2 aggressive prostate cancer. He will have surgery at Roper Downtown on January 8th. Expected to be a 3 hour operation.

□ **Gordon Smith's** cancer has returned and he's having treatment for it.

□ **Pat Davis** had his cataract surgery and it went far better than ever expected. He is now seeing 20/20 in his right eye. He plans on having the left eye done on 29 January and hopes for the same results.

□ **Mike Welch** is recovering from his 6-way bypass and doing well.

□ **Rick Wise** is recovering from his aortic valve replacement surgery and is doing well.

□ **Terry Trump** had the plates in his leg removed in late November and is doing well.

□ **Jimmy Kimbrell** had a stent put in the left carotid artery in mid-November and is recovering although he is still having some issues. Says he is sick and tired of being sick and tired.

□ **Al Dempster** had a mini-stroke last Friday. I talked to him before the meeting and he's doing well with no issues from the stroke.

□ **Bob McCollem** has prostate cancer.

□ Congratulations to our newest grandfather, **Rick Collins**.

□ Nick still needs Page 2s from a lot of the Base members. He uses them for more than when a member dies.

Some updates from the Base members:

□ **Stacy Power** told everyone of back surgery that he had last Thursday at MUSC which allowed him to be at the meeting tonight. They literally glued the cracked L1 vertebrae together.

□ **Joe Hayes** had carotid artery surgery to clear a blockage and is expected to be in ICU for a few days.

Webmaster – Nick Nichols:

□ Be extra careful of all the phone scams going around now, especially 'computer has a virus' and 'IRS is coming to get you' type scams.

□ The Base website is constantly updated.

□ Make use of the EVENTS page on the Charleston Base website. All events that are put out to the membership via email will be listed and updated on the events page.

Victory House – Ed Stank

□ Ed is ending affiliation with Victory House in Walterboro due the restrictions that have been put on them. The contractor associated with Victory House is also under investigation. Ed thanked everyone for the donations that have been provided over the years that he has been going there.

Recreation – Ed Stank

□ Ed thanked everyone that came to the Base Christmas party at the Air Force Base. The AFB NCO staff did a really good job at the party and he is working with the staff to have the 2019 Charleston Base Christmas party at the same location on December 7.

□ Ed is working on a Charleston Base cookbook. Once the cookbook is complete, the sales will be to support Kaps-for-Kids.

□ Ed polled the membership to see how much interest there is having a SubVet trip to a Riverdogs Baseball game. The tickets will be \$5 each. There was a significant show of hands. Ed will contact the stadium about having a section set aside for the group.

□ Ed also mentioned the possibility of arranging a SubVets trip to a Citadel football game.

□ Marty Sessler asked about the cost of the Christmas party. The Base Treasurer reported \$4,673 with ticket sales of \$1,745. Marty made a motion that the Base membership be provided a cost break-down of the party.

Rick Wise, as Comptroller, spoke about budgeted money that was being transferred from 2017 to 2018. The motion was not seconded.

□ John Lookabill questioned when and why did we have a Comptroller. Vice Commander Mike Ciesielko reminded everyone that all of the minutes from both the Board of Directors Meetings and the Charleston Base Meetings are posted on the Base website. The decisions made at the BOD meeting are available to the public. The members, however, must read the minutes. Secretary Gordon Long stated that it is recorded in the June 7, 2018 BOD minutes, designating the position of Comptroller.

□ Nick Nichols also reminded the Base membership that the BOD meetings are open to any Base member who wants to come to the meeting. It is held on the first Thursday of each month (one week prior to the Base meeting). Any member that has a concern about what the Board is doing, please come to the BOD meeting and you will be given time at the meeting. There is nothing that is done in secret.

□ John questioned whether appointments of positions require a change to the Charleston Base By-Laws to appoint new positions. [FROM SECRETARY, POST-MEETING: The Base By-Laws, Article VII, Section 2, Paragraph A lists several positions that are appointed by the Base Commander. Paragraph B states, "The Base Commander will establish ad hoc committees and appoint chairmen as required."]

Membership – Larry Knutson

□ USSVI Charleston Base membership we currently have 289 members. He currently lists about 75 members who are dink. Three members paid their Base dues tonight. People will soon have to go online to pay their dues if they are to be paid.

Kaps for Kids – Bill Kennedy

□ Thanked the membership for the support of Kaps for Kids. In 2018, those who participated were able to visit 106 children and their families. 79 of the children were at McLeod Hospital and 27 were at Shriner Hospital. The previous year, Kaps for Kids made visits to 82 children with 45 at McLeod and 37 at Shriner. Bill has to find out how many coloring books that he has available, but he is currently planning the next trip to McLeod on Tuesday, February 19. Plan to meet at the hospital in Florence at 1000, but if you are wanting to go, please contact Bill via phone or email so that he can help the hospital plan for the visit.

□ Bill will also plan a Saturday visit in April for those who cannot go during the week due to work constraints; He does need Base members to call him to know that there will be men to go on the visit. If he gets calls, he will set up the weekend trip.

VA – Tom Lawson

□ The VA Hospital has had a lot of renovations.

Fleet Reserve Association – Skip Chilton

□ The FRA will be having a Superbowl Party on Sunday, February 3.

□ The FRA will be having an auction for a 55 inch TV.

Submarine Veterans of WWII – Mike Emerson

□ In lieu of having a WWII meeting this month, they will be attending the interment of Walt Curtis.

□ We have Stacy Power with us tonight.

Scholarship – Carl Chinn

□ A new raffle started tonight for a collection of 76 DVDs. This is a series which was recorded with A&E and History channels covering the Navy, Marine Corp and Coast Guard.

□ The Scholarship committee also has new challenge coins.

□ There are only five bolo ties left for purchase. \$10 each.

□ The Scholarship committee will be having an auction at the end of the meeting for a Rick Campbell book titled "Blackmail".

NPS – Ray Sparks

□ The next Nuclear Power School graduation ceremony will be held on February 15. More information at the next Base meeting.

CRAMA – Butch Bryar

□ It is time for Clamagore Restoration and Maintenance Association (CRAMA) dues. Butch has applications. Dues are \$20. The dues help with mailing, etc. but the primary purpose of the dues is to have proof to state officials that there are truly an actual number of members in the organization involved in saving this boat.

□ Butch has been talking with a law firm which has had success in saving ships from the scrap heap, regarding saving the Clamagore. At this point, the law firm has not charged any money.

□ CRAMA has an advisory board comprised of two brigadier generals, a four-star admiral, two full-bird captains and a host of commanders and lieutenant commanders.

Public Affairs – Rick Wise

□ There was no maintenance done of the Little David memorial in Moncks Corner last year. Rick expects that we should plan for four or five days of maintenance work this year. Three of those days will require only about four people each day. For those who participate, Rick has a patch to add to your vest.

□ In 2004, Charleston Base restored the Little David and committed to maintain the memorial in the future. Work days for this year have not yet been determined. Ken Hutchison made note that Rick has spearheaded this maintenance work since 2004 and suggested that perhaps someone would relieve Rick of that task.

Storekeeper – Ken Hutchison

□ The current stock of 2019 calendars have been sold. Ken has had about fifteen requests for calendars. If anyone else wants a calendar, please see Ken after the meeting.

Election Coordinator – Ken Hutchison

□ Ken has been designated as the Election Coordinator for this year. This year, the offices of Base Commander and Treasurer are up for election. Nominees will be available by the April Base meeting, with the election to be held at the May Base meeting. Current names in the hat include Mike Ciesielko for Base Commander and Gordon Williams for Treasurer. We would like other men to step forward and offer their names as well for either office.

Special Events – Rick Sparger

□ There are no upcoming parades. The Amberjack Ceremony is to be held on April 13.

□ Rick named two Base members and noted that part of their dues are being paid by a few members and then suggested that perhaps other members could help pay the Base dues for these two members. His reason was specific. See Rick after the meeting if you can help.

COB – Joe Lunn

□ COB mentioned that even though the commissioning of the USS Charleston is also on March 2, the same day as the Oyster Roast, it should not interfere since the time for the Oyster Roast is 1300. For those who plan to eat oysters, the cost will be \$20.00 per person. The location is at Bushy Park Pavilion. Tickets will be available at the Base meeting in February.

□ There is also a Chili Cook-Off planned for those who want to impress the members with their cooking ability.

Vice Commander – Mike Ciesielko.

□ ****Humor**** Q: What does Clemson and the moon have in common? A: They both control the Tide. [An allusion to the win by Clemson in the recent college championship game against Alabama – of course the ‘Bama fans in the room (think Ron) did not appreciate the joke.]

□ Mike would like to see an actual robust contest in the upcoming election in May for each of the offices (Base Commander and Treasurer). Mike is currently acting Base Commander due to Ralph Rohrsen working on the road and unable to attend the meetings.

□ Mike wants to have everyone participate but that takes just a little action on each member’s part. If a member has questions about decisions that were made at the Board meeting, please call and he will be glad to get information out. There are no attempts being made to hide anything from any member. If Mike does not know the answer, he will find out.

□ Mike encouraged those who will be at the Hog Roast at the After Battery should consider attending the Amberjack Ceremony in the morning of April 13 before attending the Hog Roast later that day. He is not asking people to work, but simply attend the dedication at a submarine event.

□ Butch Bryar made a comment regarding attendance of the Amberjack Ceremony emphasizes to the Patriots Point Executive Director that the Charleston Base Submarine Veterans are concerned about the submarine memorials that are in the care of Patriots Point.

□ It is time for inputs from the Base membership regarding the Distinguished Submariner Award. Mike asked each member to visit the Base Web Site and nominate a Base member. Your nomination can be any Base member. Please include a short entry outlining the reason for the nomination. This year, the award will be presented at the April Base Meeting.

Good of the Order

After Battery – Ray Sparks

□ After Battery will be having the Spring Hog Roast on April 13, but guests will start arriving on April 7.

Gun Club – Mike Ciesielko

□ A shoot is scheduled for Saturday, January 19 at Twin Ponds Rifle Range. Meet at FRA 0800.

Nuclear Historian – Rick Carlson

Our National USSVI Chaplain just recently had a heart attack. His name is Bill, but everyone calls him "Butterbean". He is an extremely funny guy. I dedicate this article to him.

An old country preacher had a teenage son and it was getting time that the boy should give some thought to choosing a profession. One day while the boy was away at school, his father decided to try an experiment. He went into the boy's room and placed on his study table four objects:

1. A Bible
2. A silver dollar
3. A bottle of whiskey
4. A Playboy magazine

"I'll just hide behind the door", the old preacher said to himself. When he comes home from school today, I'll see which object he picks up". "If it's the Bible, he's going to be a preacher like me and what blessing that would be."

"If he picks up the dollar, he's going to be a business man and that would be okay too. But if he picks up the bottle, he's going to be a no-good drunken bum and Lord, what a shame that would be. Worst of all, if he picks up the magazine, he's going to be a skirt-chasing womanizer."

The old man waited anxiously and soon heard his son's footsteps as he entered the house whistling as he headed for his room. The boy tossed his books on the bed and as he turned to leave the room, he spotted the objects on the table. With curiosity in his eye, he walked over to inspect them.

Finally, he picked up the Bible and placed it under his arm. He picked up the silver dollar and dropped it into his pocket. He uncorked the bottle and took a big drink while he admired the magazine – the centerfold.

"Lord, have mercy," the old preacher whispered. "He's going to be a SUBMARINE SAILOR!!!!"

Drawings & Auctions

FRA Drawing – Herb Anderson

Rick Campbell book "Blackmail" – Gordon Williams

Depth Charge – Glen Little

Closing Ceremony

Nick Nichols led the group in a prayer of Benediction. Vice Commander Mike Ciesielko announced adjournment of the meeting followed by three blasts on the diving alarm. The meeting was closed at 2045.

A Thank You For The Work You Did For the Christmas Party

I would like to recognize the following people for their help with this year's Christmas Party:

Base Chaplain: Invocation, Tolling of the boats and members lost during the year.

Theron Irving, The Bell

Charlie Hudson and Gary Williams, Depth Charge

Gloria Cyrek, Center Pieces

Mike Knaub, Contract arrangements

Thanks,

Ed Stank, MMCM(SS), USN, Retired

Date: February 17, 2019 (Sunday)

Time: 1900 hours -- (Arrive 20 to 30 minutes early)

Place: Sunrise Presbyterian Church

3222 Middle Street

Sullivan's Island, S.C, 29482

Church located near intersection of Jasper Blvd. and Middle Street by Breech Inlet Bridge
(Sullivan's Island side)



Uniform: Charleston Tuxedo for presenters and wreath bearers.

Blue Blazer w/Dolphins

White or Light Blue Shirt

Dolphin Tie (or dark tie)

Kaki Pants

Black or Brown Shoes

Top Coat/Overcoat Recommended (its cold on the beach)

If attending other than presenters or wreath bearers

Please wear your vest or your Dolphins

The Charleston Base Submarine Veterans and WWII Submarine Veterans are invited to attend a Memorial Service honoring the 8 man crew lost on the Confederate Submarine H. L. Hunley along with the 5 crewmen lost on the USS Housatonic during the night of February 17, 1864.

The Confederate Heritage Trust Committee has asked the Charleston Base to supply a *minimum* of 15 men to participate in the service. The more men (SubVets) involved, the better our showing of support from the Charleston Base. Please make an effort to be there and bring your wives, girlfriends and children, this is a family service.

Admiral Osborn Scholarship Raffle

The Scholarship Committee will begin a new raffle starting at the January meeting. This raffle is for a remarkable DVD series titled **“Shipmates’ DVD Series”** put out by the Fleet Reserve Association and was made in conjunction with The History Channel and the A&E Television network. It includes the Navy, Marine Corps and Coast Guard. This impressive set contains 76 DVDs and covers a myriad of topics. See the list below for individual DVD titles.

The raffle will start at the January meeting with the drawing to be held at the end of the March meeting. Ticket cost is \$1 each or 6 for \$5 and is open to the public. Tickets can be purchased at the meetings and will be available for sale at the bar in the Fleet Reserve. Help support our Admiral James B. Osborn Scholarship with your purchase of tickets for an incredible set of DVDs!

Battle History of the Navy	Coast Guard	Valor in War and Peace
Born Into War	Defending America	Tigers of the Sea parts 1,2,3
Second to None	Coast Guard	Hallowed Grounds
Fire and Water	The U.S. Coast Guard	Missile Submarines
Steel Walls of Freedom	On the Wings of Eagle	S-5: Doomed Sub
The Great Ships	Marines	Last Stand of the Tin Can Sail- ors
Cruisers	A Fellowship of Valor	Desert Storm
Coast Guard	Pacific Inferno	USS Intrepid Story
Battleships	Born In Blood	Naval Aviation
Frigates	Tragedy to Triumph	Spruance
Ships of the Line	From Tragedy to Triumph	Admiral Chester Nimitz
Aircraft Carriers	Making Marines	Admiral William “Bull” Halsey
Amphibious Assault	Alamo of the Pacific: Wake Island	150 years in Annapolis: Naval Academy
Submarines	Storm on the Horizon	Most Daring Mission of the Civil War
Destroyers	Guadalcanal	The Lost Evidence
PT Boats	Marine Corps Aviation	Iwo Jima
Gun Boats of Viet Nam	Old Breed Marine	Okinawa
Hero Ships	The Marine’s Marine – Chesty Puller	Tarawa
USS Arizona 1 & 2	Special Operations	Leyte
LST-325	Air Rescue	
USS New York	Blood Angels (Corpsmen)	
USS Enterprise	Air Group 16	
USS Hornet	Bloody Aleutians	
USS Constitution	Navy Seals	
USS Yorktown	Snipers	
World War II	One Shot, One Kill	
Wrath	World’s Deadliest Snipers	
Triumph	Sea Bees	
Battlefronts	Deep Sea Divers	
Infamy	Forward Air Controllers	
Korean War	Marine Raiders	
Retreat From Hell		
The Bitter Standoff		
Triumph to Tragedy		
Fire and Ice		



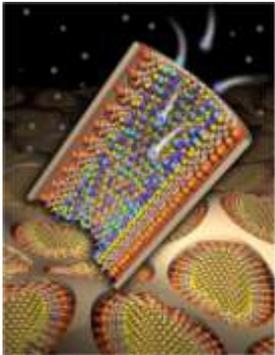
New Nanomaterial Takes the Stink Out of Submarine Air

Desperate for a breath of fresh air.

[David C. Duncan/US Navy](#)

On a US Navy submarine, every breath you inhale has been repeatedly exhaled from the mouths of about 120 other people. This isn't as suffocating, or gross, as it sounds, because submarines have ventilation systems that take the CO₂ out of the air, and recirculate it with chemically catalyzed oxygen.

I take that back, the air is gross, because the chemical used to remove CO₂ smells like old diesel mixed with a dash of sulphur, and it permeates everything on board. This chemical, called amine, is known by every submariner, as well as every submariner's wife, husband, or anyone else who encounters that sailor's laundry. However, a new CO₂-capturing nanomaterial could bring an end to this most notorious of submarine smells (trust me, there are others).



This is how the CO₂-binding molecules coat the sand grain's pores. Look at 'em there, sucking up all that CO₂!

Pacific Northwest National Laboratory

Unlike amine, which is a liquid, the new material looks like sand. In fact, it is sand, except it is covered with tiny pores, each filled with molecules that selectively pull CO₂ out of the airstream. Together, sand grain and molecule are called Self Assembled Monolayers on Mesoporous Supports, or SAMMS. The pores create nooks and crannies that let even a small amount of the material soak up an incredible amount of CO₂—a teaspoon of the material has slightly less surface area than a football field. And it's reversible. "With a slight amount of heat, you can also open that molecule back up and release the CO₂, making it possible to use the same material over and over again," said Ken Rappe, an engineer at Pacific Northwest National Laboratory who worked on SAMMS.

There are many different types of SAMMS, each designed to bind with a specific molecule. They were originally engineered to pull mercury and other contaminants out of industrial waste streams, Rappe says. The CO₂-binding version was identified by accident over a decade ago, when a scientist accidentally dropped a sample of the stuff in a glass of water. The sample started fizzing. Some experiments showed that this fizzing was the water dissolving stored carbon. At the time, carbon capture and storage wasn't a huge research interest (besides, SAMMS likes its CO₂ cool, and coal power emissions or automobile exhausts are too hot to capture), and the researchers searched for an application before a colleague pointed them to the problem of funky sub air.

Amine doesn't just stink, it's also highly corrosive and will ruin anything not made of stainless steel. This makes it a huge maintenance burden, as it needs to be flushed and moved into storage whenever it gets saturated with CO₂. The sandy SAMMS would alleviate this, as it doesn't need special storage. "When you go from a liquid to a solid, you're able to get rid of all the pumps and tanks," said Jay Smith, an engineer at the Naval Ships Engineering Station, Naval Surface Warfare Center Carderock Division (NAVSSSES) in Philadelphia who has been getting the SAMMS-based replacement ready for deployment. "It's also safer, and more environmentally friendly to dispose of," she said.

Changing out life support equipment on a submarine isn't trivial (no matter how reviled the piece of equipment). Rappe and his research partners spent years improving the material before turning it over to the Navy. Since then, Smith and her colleagues have been testing the prototype SAMMS ventilation system specifically for submarines. She says the prototype is currently going through long-term testing with lab-simulated sub air. It could then be deployed on future submarines joining the fleet. Smith also noted that the SAMMS technology has already been evaluated successfully at sea through small scale test units.

New Base Challenge Coins!

The Scholarship Committee will have brand new Charleston Base challenge coins for sale starting at the January meeting. Not only are the coins great looking, they are functional too! Help support our Admiral James B. Osborn Scholarship Fund with the purchase of a coin or several. Make great gifts and of course challenge coin give-aways!



We've Got Your Back!



Come on...you guys know you will forget to buy something for your sweetie for Valentine's Day. Take a chance and you could win a Valentine gift bag for you and your favorite gal at the February meeting! This gift bag is for both of you as it contains a bottle of wine, big bottle of beer, yummy chocolates, froo-froo smelling ladies body cream and \$25 restaurant gift card.

All you need to do is buy some raffle tickets at the February meeting! \$1 each or 6 for \$5. All proceeds go to our Admiral Osborn Scholarship Fund. See Carl, Marty or Rick Sparger.

The U.S. Navy Quietly Tested Mach 3 [Heavy Gun Shells](#) That Could Revolutionize Surface Warfare

The new shells fire from a standard Navy gun and can down flying targets much more cheaply than missiles.

By [Kyle Mizokami](#)

Jan 8, 2019



U.S. Navy photo by Senior Chief Petty Officer Matt Bodenner

The U.S. Navy, without fanfare or notice, tested a new weapon last summer that could revolutionize surface warfare. The hyper velocity projectile (HVP) is a Mach 3 shell fired from existing guns on cruisers and destroyers. A guided projectile, HVP can drop high explosives on enemies on the ground up to three times as far as conventional ship gun ammo with a high rate of precision. It can also intercept incoming anti-ship missiles, providing an economical alternative to increasingly expensive anti-missile interceptors.

[According to USNI News](#), the guided missile destroyer USS *Dewey* fired 20 new HVP projectiles during the 2018 Rim of the Pacific (RIMPAC) exercises. Although the test was unclassified, it was not reported at the time by the U.S. Navy. It was the first known use of HVPs at sea by a warship.

Large surface combatants in the U.S. Navy all carry the [Mk.45 5-inch](#) (127mm) Naval Gun System. Unlike railguns, these are chemical energy guns that use gunpowder to launch projectiles, a basic technology hundreds of years old. Guided missile cruisers of the *Ticonderoga*-class carry two Mk.45 guns, while guided missile destroyers of the *Arleigh Burke*-class carry one. These guns are typically used for shore bombardment, softening up enemy defenses before an amphibious assault, although in a pinch they could be unleashed against enemy surface ships and incoming aerial threats.

In the early 2010s, the U.S. Navy and BAE Systems began work on railgun hyper velocity projectile technology. Railgun HVPs would travel at a speed of up to Mach 7, necessitating special projectiles to withstand the rigors of hypersonic flight. In a “why not?” moment, HVP technology was [ported over to Mk.45 gun shells](#). After all, the Navy had scores of conventional five-inch guns in daily use, while it has zero operational railguns.



HVP projectile mockup.

BAE Systems

The result is a HVP shell that reaches Mach 3 and at 40 miles has a range three times greater than conventional shells. The shell also incorporates fins and a guidance system, allowing it to engage pinpoint targets on land or missiles and aircraft in the air. It can also do so substantially cheaper: *USNI News* [reports](#) the cost of the shell should be about \$100,000 at the very most. That’s expensive for a gun shell, but cheap compared to the \$2 million dollar price tag of a surface-to-air missile. Suddenly the old gun system, once the outlier of a ship’s armament package, is near the center again. If the Navy HVP shell proves good at intercepting enemy missiles, the Mk.45 could become a key defensive weapon against incoming missile and aircraft swarms. Relying on it for that purpose could even free up precious slots in a warship’s vertical launch silos for anti-ship missiles. It looks like the Navy has taught an old dog some new, important tricks.

FOR SALE

Charleston Base members who have items they wish to sell may send me the information for inclusion in the newsletter. Items will run for three issues or until I’m notified by the person submitting the ad that it is no longer needed.

Certified GSA Container Inspector
Past President of SC Locksmith Association
2004 Locksmith of the Year



Crackerjack Locksmith



Robert Temple
Journeyman Safe Cracker
Summerville, SC 29483

843-873-0767
H8SPVMT@GMAIL.COM

Robert Temple - Crackerjack Locksmith

Locked Out? Call Crackerjack!!! 843.873.0767



RT2BR Arms LLC

Firearms Transfers and Sales

Tom Clark
308 Mendenhall St
Summerville, SC 29483

Hours by Appointment
(843) 277-5309
Info@RT2BRArms.com
www.RT2BRArms.com

FIREARMS TRANSFERS

www.rt2brarms.com

Info@RT2BRArms.com Standard

Transfer Fee: \$20 USSVI Member \$15

SC CWP Holders: \$5 discount

MC SQUARED CABLES, LLC



MC SQUARED CABLES, LLC
MELISSA A. GORDON, CEO/OWNER
EDWOSB/EDVOSB/DAVOSB
101 KILKENNY AVE.
GOOSE CREEK, SC 29445
OFFICE: (843) 327-8967
FAX: (843) 569-1438

MC SQUARED Cables, LLC is an Economically Disadvantaged Woman/Veteran/Minority and Disabled Veteran-owned small business. We provide our customers with reliable cables that are physically and electrically appropriate for their applications, and conformant to the most demanding industrial requirements and military specifications. See [Flyer](http://www.ussvicb.org/business-discounts/MCSQUARED Business Description.pdf) at <http://www.ussvicb.org/business-discounts/MCSQUARED Business Description.pdf> for more information



Swamp Fox Utilities, LLC

Tim Curtis

Senior Estimator

Clearing * Grading * Water/Sewer *

Asphalt Paving

2080 Mendel Rivers Rd

PO Box 14

St. Stephen SC 29479

Phone: 843-567-3170

Fax: 843-567-6709

swampfoxutilities@cs.com



Kathy Sumner - MBA / Realtor – License# 91234

843.475.7431 – KathyHSumner@kw.com

www.SumnerPropertyGroup.com

1180 Sam Rittenberg Blvd, Charleston SC 29407

TABOR
Mortgage Group

A division of **ResMac**

Patrick Villegas
Loan Officer *"Specializing in VA Loans and VA Refinances"*
2000 Sam Rittenberg Blvd. Ste. 2020, Charleston, SC 29407
Patrick@tabormortgage.com
NMLS 1520207 (843) 224-9272

Patrick Villegas
Loan Officer *"Specializing in VA Loans and VA Refinances"*
2000 Sam Rittenberg Blvd. Ste. 2020, Charleston, SC 29407
Patrick@tabormortgage.com
NMLS 1520207 (843) 224-9272