

TORPEDO ALLEY



Vol. 6, No. 9

September 2010

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



USSVI 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"



Base web page: www.ussvicb.org
National web page: www.ussvi.org

Base Meeting:

September 9, 2010
Social hour 1800, General Meeting 1900

Location:

Fleet Reserve Association Branch 269, Low Country Home
99 Wisteria Rd.
Goose Creek, South Carolina. Phone 843-569-2962

Special Officers		Phone Number
Chief of the Boat	Rick Wise	843-875-5559
Public Affairs	Ed Stank	843- 569-6012
Veterans Affairs	Jim Morrison	843-832-9716
Chaplain	John Nichols	843-452-3189
Membership	Carl Chinn	843-875-3098
Holland Club	John Lookabill	843-797-2991
Scholarship	Jim Yates	843-873-0246
Newsletter	Carl Chinn	843-875-3098
Storekeeper	Ken Fuhr	803-413-3657
Webmaster	John Nichols	843-452-3189
Historian	George Scharf	843 873-3318

Base Officers		Phone Number
Commander	Paul Viering	843-797-2623
Vice Commander	Carl Chinn	843-875-3098
Secretary	Ed Stank	843- 569-6012
Treasurer	Terry Trump	843-873-9563



Minutes of the August 2010 meeting

Attendance for the August 12, 2009 meeting was 120

Opening Ceremony: Base Commander called the meeting to order. A Quorum was present and the meeting was commenced at 1900.

Introductions: New people were introduced; ETC (Select) SS Bower, ET1(SS) Karl Hofen, MMC(SS) Jim Phillips, ET2(SS) Randall (Randy) Bolin, EMCS(SS) Timothy Murray. Welcome aboard.

Secretary: Secretary Rick Collins asked for a motion to approve the meeting minutes from last month. A motion was made and seconded. Minutes approved.

Treasurer: Terry gave a combined report for the months of June and July.

Storekeeper: No report

Chaplain: Nick Nichols presented the chaplain report and requested that the membership update their Page 2, get your pictures taken at the conclusion of the meeting and take a look at the Website as updates are very frequent.

August Report: Cards were sent as follows to:

Lou Roehm had knee surgery on July 13th. He is home and doing well.

Bill Kennedy had surgery to repair his ribs on July 13th. He was discharged from the hospital on July 18th and is home recovering well.

Kathy Young and family. Frank departed on Eternal Patrol July 17th. Charleston Base conducted a bell tolling service on July 21st during the viewing.

Colleen Collins, wife of Rick Collins, was in the hospital July 18th for a blood clot in her wrist. She is home doing well.

Jon Sutton had stomach surgery on July 22nd. He is home recovering well but will need more surgery in a couple of months.

Bob Bruce had a kidney biopsy recently.

Richard & Erma Cleeve. Richard has been at home taking care of Erma who is on O2 and having a difficult time.

John Hill. John had surgery to clear a kidney problem and the doctor discovered a problem with his bladder. The doctor scrapped the inside of his bladder and at the time was pretty sure it was cancer. John has since found out that the doctor got 100% of the cancer and he will not need treatments, neither chemo nor radiation. He is still weak and asks that we please keep him in our prayers.

Family of Bill Kopacka. Bill departed on Eternal Patrol July 24th. At some point the family will be having a Memorial Service for Bill and the SUBVETs will participate. As soon as that date is known I will pass on the info.

Little David: Berkeley County Tractor Show is November 21 and 22.

Fleet Reserve: Larry Cox introduced as the new President for FRA Branch 269. A 70's night is being held Saturday the 14th with prizes. Update the membership on upcoming events:

August 14th – 70's Dance & Costume contest

September 6th – Labor Day Indoor picnic

September 11th – Luau

October – Oktoberfest

October 30th – Halloween Party

November 11th – Veteran's Day indoor picnic

Dec 31st – New Year's Eve; The Barbara Harrell Group

Holland Club: John Lookabill reported that a Diesel Boat reunion will be held in the Spring of 2011. More information to follow.

After Battery Rep: Buddha requested that the membership vote in the National Elections. The USS John C Calhoun (SSBN 620) held a picnic at the After Battery a couple of weeks ago and a good time was had by all. Invited all to the weekly Wednesday social to play cards, shoot the breeze and have some fun with your shipmates. The USS Ray (SSN 653) will be holding a cookout on August 21st and as part of their reunion. Reported on the 'Old Salt' hog roast held in Connecticut and with a great turnout by Charleston Base. Commended Fred (Fredly) Woodley on the fast action he took resulting the saving of Clive Peters life from a Diabetic attack.

Chief of the Boat: Will be out of area from 1-22 September. Next meeting of WWII Subvets at Ryans in Summerville on August 19th. The See-Saw Parade in Harleysville will have two participants in the event. Our USS Thresher (SSN 593) float and also a convertible provided for the members of the WWII Submarine Veterans. Line up for the parade is at 0930 and maps to the event may be found on the USSVICB Web site. A Hog Roast is scheduled for October 9th and we need volunteers for the event. Thanks to the membership for helping Bill Jennings get to his rehabilitation appointments. He is getting better but we will still need volunteers in the upcoming weeks to get him to rehab.

Base Commander: Vote, Vote, Vote.

Give-Away: A CD on the history of submarines during WWII and Poster were won by Bob Snyder, Gordon Smith, Jim Hissing and Tom Lufkin. John Lookabill won a WWII Poster which were donated to the After Battery by members of the USS Parche (SSN 653).

Nuclear Historian: Welcome back from the "Old Salts". In preparation for the trip Ed Simokat and Mike

Sharon Sessler, wife of Marty Sessler. Sharon had cataract surgery today on one eye and will be having the other one done in a couple of weeks.

Several follow-ups were made on those who've had surgery or illnesses in the last couple of months along with the base sending additional cards.

If you know of shipmates or spouses from other bases who are having a difficult time, had surgery, etc. and would like for USSVI Charleston Base to send them a card please send their name and address to the Chaplain via email or phone call.

Scholarship: Fund has \$1500.00 received from donations from depth charge donations and recently from the Navy League in honor of Frank Young and also from Jack Ilgenfritz totaling \$100.00.

Public Affairs: Articles on Kaps for Kids and Scholarship presentations are posted on the Website. Need your help on becoming Auxiliary members of the WWII Submarine Veterans.

Base Historian: Thanked Nick Nichols for the transfer of base information provided by Ricky Collins to DVD.

Vice Commander Report: The membership needs to get out and vote in the National Elections, of the 316 eligible voters only 110 have voted as of today. Ballots can be found in the American Submariner. Voting closes August 24th.

Sub Vets WWII: Meeting at Ryan's in Summerville on Third Thursday in August at 11:30 am.

Lee Allison reported on the Change of Command at Navy Nuclear Power School and what a great time they had. Only about 18 WWII Submarine Veterans are left in South Carolina and many are not mobile. Lee has received an order of WWII Submarine Calendars and "Lost Boats" cards and may be purchased for \$8.00 each or \$15.00 for both. The WWII National Convention is being held in Cincinnati which may be the last one. Note to all: Get your WWII Calendars autographed by our WWII Vets as this may be your last chance due to the calendars not be published again.

Veteran's Affairs: No report

District Commander: Update your dates of Service on National Website. Could provide the base with tax exemption for taxes.

Membership: 330 Members.

Newsletter: No report

Emerson bought a programmable GPS. Since the voice and personality are programmable, Ed chose Mode 5 "Aggressive". During the trip the GPS would give advice, "Your going too fast, slow down", "Turn here". They got in a back up of traffic with a driver going below the speed limit. When they finally were able to pass the GPS shouted out "Must be a f__king Nuc Asshole.

Special Awards: A certificate as an "Culinary Expert" and Chef Hats were presented to John Paul Pardo and Richard Sparger for their outstanding preparation and cooking for the many events held at the "After Battery".

Old Business: None

New Business: The WWII Memorial will be held at Kings Bay from October 27-30.

Good Of The Order: Ken Hutchinson has donated a model of the USS Cobia (SS 245) which is mounted in a glass case for raffle. Ricky Collins has the raffle tickets. The raffle will be held at the Christmas Party in December.

Navy Pharmacy moving in September to Base, You need a base sticker to access the pharmacy. As of the meeting base stickers were not available. Checked again on August 24 and they are no available, lines were long. For Subvets who do not have a base sticker, and are going to the VA there should be no problem getting on base.

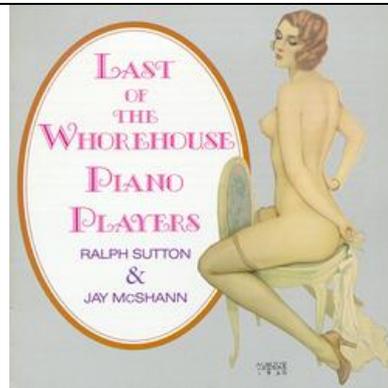
Wayne Bowers invited all the Submarine Veterans to a breakfast in honor of Subvets on the 14th of September at the Cracker Barrel in Summerville @ 0600. If you would like to be a guest speaker contract the COB.

Wayne Newfeld reported that a Golf Tournament will be held on the 20th of August for the new chiefs. Cost is \$35.00 and covers golf and chow.

Rodney reported that Good Will Industries is sponsoring outfitting homeless Veterans in South Carolina and outfitting them with clothing. The Submarine motorcycle members of the Submarine Veterans are hosting an "Undie 500". The goal is to fill a side car with new underwear for the homeless veterans. Bring new underwear to the September meeting and let's fill that side car.

Depth Charge drawing was held with \$350 to winner, David Saari. He donated \$50 to the scholarship fund.

The Base Commander adjourned meeting at 2020.



"Don't tell mom I'm a submariner, she thinks I play piano in a whorehouse."



September Birthdays!

Binkley	Bolin	Bowles	Carswell
Clark	Gravley	Hartley	Hunter
Hutchison	Ingebretson	Katen	Knutson
Kopczynski	Lanier	McRae	Moody
Morrow, R	Neufeld	O'Callaghan	Roehm
Sims	Stump	Sumner	Villegas
Wilson, L	Wilson, W	Wood, A	



September 9 – Monthly meeting

September 11 – See Saw Days parade, Harleyville, line-up at 0930, starts 1100

Short Sleeve Whites

Pride is a funny thing. It is a concept that can't be packaged and issued. It takes root in a crew that has gained confidence in itself and a deep respect for the leadership of its senior petty officers and its wardroom. Once a crew has it, it germinates in every heart that comes aboard. */USS Requin SS 481 /*had it. It was part of the boat and it manifested itself in a cocky attitude and --hell for leather outlook by her crew.

It was most evident in dress canvas formations topside. You formed up in two lines aft of the conning tower fairwater. Rag hats in starched whites, Dolphins, neckerchiefs and jumper flaps rippling in the breeze. Gentle popping of the ensign, jack and squadron pennant. The Chiefs and leading petty officers were decked out in medals and sleeves with

September Submarines Lost:

USS	SS 209	September 9, 1943
USS Cisco	SS 290	September 28, 1943
USS S-5	SS 110	September 1, 1920
USS S-51	SS 162	September 25, 1925

Lost Harbor

*There is a port of no return, where ships
May ride at anchor for a little space
And then, some starless night, the cable slips,
Leaving an eddy at the mooring place . . .
Gulls, veer no longer. Sailor, rest your oar.
No tangled wreckage will be washed ashore.*

Membership Dues



“Pay your freakin’ dues!”

2011 membership dues are payable on 1 October 2009. You can pay anytime. Let’s make this easy and everyone pay on time or early!

If you’re not sure what you owe, contact Carl Chinn at membership@ussvicb.org or 875-3098.

There will be a list at the meeting.

Annual Christmas Party

hash marks from hell to breakfast and some wore old World War II combat patrol pins. There was a creak and groan of strained mooring lines, and the rattle of officers' swords. Two lines of bluejackets knowing it was going to be a long time between smokes and hoping a seagull didn't crap on their white hat or their \$2.50 laundry and press job. Norfolk had a seagull population whose express purpose in life was to dump aerial calling cards on submarine sailors standing inspection topside in dress white.

You could see the nuke boats astern in their nest. They had their own nest at the end of Pier 22 because that was where they had all of the pixie dust connections for the moonbeam navy. To us, they were just big ugly bastards that were rapidly putting us out of business and relegating the boats we loved to the scrap yards. And there was not a damn thing we could do about it. Not one damn thing.

The nuclear navy made us all fleas on a dying dog. Our Chiefs were relics of the past -- fossils of a bygone age. The floor of the Pacific was littered with rusting hulks that once had been the Jap Imperial Navy, but now were oxidizing junk many fathoms deep, entombing decaying Nip sailors, put there by the gray-haired, hard-nose bastards standing forward of these two lines of bluejackets in dress canvas.

We looked like sailors were supposed to look...Rag hats, low - neck jumpers, neckerchiefs, and bellbottoms blowing against your ankles in the breeze. It was an impractical rig by any reasonable standard, but that uniform gave us our distinct identity. Men wearing that uniform filled wooden boxes in military cemeteries throughout the world. I don't know who thought up that stupid short sleeve white shirt outfit --that uniform that looks like something worn by a nuthouse orderly. I wish the idiotic sonuvabitch would contact me and explain what our navy gained by adopting that goofy-looking Good Humor truck salesman's uniform. To hell with progress that trashes tradition! Sailors deserve continuity. A continuous chain. Without something to connect generation to generation, something to pass on the pride of unique identity, a force loses something.

I can't remember any adverse effects of wearing undress whites. They made me feel like I was a sailor. When I was wearing that jumper, nobody ever took me for a bedpan collector at the local hospital. If I was CNO for a day, I would issue a directive that would require every bluejacket who owned one of those short sleeve white dog catcher shirts to turn the



The Charleston Base Christmas Party will be on 4 December 2010. It will be held at the same location as the past 4 years; **Gatherings** in beautiful downtown Dorchester, SC.



Same rules as always...

you must have a ticket to attend and **THERE WILL BE NO TICKET SALES AT THE DOOR!**

Cocktails at 1700, Dinner at 1830

Dress is not prescribed, come comfortable, as you desire. Coat and tie, slacks and shirt, etc.

Tickets will be available at the September meeting.

Last day to buy tickets is 11 November meeting. Buy early! Ticket price will be announced at the September meeting.



Types of Headstones and Markers Available MEDALLION

The Department of Veterans Affairs is making available a new medallion to be affixed to an existing privately purchased headstone or marker to signify the deceased's status as a veteran.

If requested, the medallion will be furnished in lieu of a traditional Government headstone or marker for veterans that died on or after November 1, 1990, and whose grave is marked with a privately purchased headstone or marker.

The medallion is currently available in three sizes, 5 inches, 3 inches, and 1 ? inches. Each medallion will be inscribed with the word VETERAN across the top and the Branch of Service at the bottom. Appropriate affixing adhesive, instructions and hardware will be provided with the medallion.

Important: This benefit is only applicable if the grave is

damn thing in for use as engine wipes. I would say, -- Horsefly, better men than you and I can ever hope to be handed us down that uniform, and it represents our bond with them. The idiots that took it away from you broke faith and robbed you of a symbol that set you apart. It distinguished you and was universally recognized as representing the heritage of the finest navy the world has ever seen.?

But I will never be CNO for a day and progress will continue to erode pride and tradition in the name of progress and modernization. Small men who are short-sighted, if not totally blind, will discard the historically meaningful and opt for the momentary fad -- the current style with no tradition woven into the fabrics -- with no link to the ancestral legacy which American sailors should receive.

The poor shortchanged bastards of today are no longer linked by signal lights, semaphore, celestial navigation, or marlin-spike seamanship. Multi-frequency communication, global positioning, and factory-fabricated nylon line have replaced the seaman's arts and skills. We rode em in the horse and buggy days when being a sailor required saltwater savvy and technology was not our master. I'm glad it was that way. It made us special.

Pride has a way of making a man feel special, of standing apart from the herd. So we stood there in the sun, shoulder to shoulder with our shipmates, below the big white 481 painted on our sail. We stood there knowing we were United States Navy. We were qualified in submarines and we belonged to a naval force that owned the oceans of the world. Those oceans had been purchased for us by the men who wore exactly what we were wearing, had stood precisely where we were standing, and had been pooped upon by the great-great-grandfathers of the seagulls currently crapping on our white hats.

Barb Officer Visits

A World War II Navy veteran who served on board USS Barb (SS 220) visited Naval Submarine Base Kings Bay and toured the Ohio-class ballistic missile submarine USS Alaska (SSBN 32), Aug. 20.

Retired Capt. Max C. Duncan was greeted by a newer generation of submariners, but many things were still familiar.

"A lot of things are still the same as they were when I served," said Duncan, who served as the torpedo and gunnery officer for four of five patrols that Rear Adm. Eugene B. Fluckey commanded. "The spaces were tight, but so was the crew."

marked with a privately purchased headstone or marker. In these instances, eligible veterans are entitled to either a traditional Government-furnished headstone or marker, or the new medallion, but not both.

For family members of eligible Veterans interested in submitting a claim for the new medallion, instructions on how to apply for a medallion will be updated on NCA's web site at www.cem.va.gov/hm_hm.asp. Until a new form specifically for ordering the medallion is available, use VA Form 40-1330; Application for Standard Government Headstone or Marker. Fill the form out completely with the exception of blocks 11 (Type of Headstone or Marker Requested) and 27 (Remarks). Leave block 11 blank. In block 27 put the word Medallion followed by the size requested. For example; use ?Medallion 5 inch? to request a 5 inch medallion.

Please continue to monitor this site for updated information regarding the new medallion:

<http://www.cem.va.gov/hm/hmtype.asp>



Getting Married?

Well here's something you don't see every month in our newsletter!

New member Randy Bolin is getting married on September 4th in Las Vegas, NV. Her name is Barbara, but Randy won't tell us her last name for fear of some of our more devious members will contact her and talk her out of it with some obvious tales I'm sure someone knows about Randy.

Randy is a new dual member; joined at the August meeting. His primary base is Volunteer based in Murfreesboro, TN.

Congratulations to Randy and Barbara!

Escaping A Submarine

NEW LONDON, Conn. -- Escaping from a Navy jet is easy -- just pull the eject lever. But when you're in a submarine, more than 800 feet below the ocean's surface in frigid water, it makes escaping a lot more difficult. Now the Navy has a new way to train submariners how

Duncan saw Alaska with his wife, Trilby, daughter, Tibby Duncan Llewellyn, and son-in-law, Jonathan Frame Llewellyn, who was in the nuclear propulsion officer candidate program. The family was astonished at the modern amenities on board the boat, noticing how things had changed since Duncan served in the Navy.

"I can remember when I was on board the Barb," said Duncan. "We had our tasks to complete, and we were doing them, but we did not have the air conditioning that is on the boats now."

After one war patrol as the prospective commanding officer of Barb, Fluckey assumed the command of the submarine April 27, 1944, during the boat's seventh tour. Fluckey established himself as one of the greatest submarine skippers, credited with the most tonnage sunk by a U.S. skipper during World War II, in all 17 ships including a carrier, cruiser and frigate.

The headquarters building for Commander, Submarine Group 10 is housed in Fluckey Hall, named for Fluckey. In support of Fluckey Hall, the family of the late admiral donated his uniform and other personal items and artifacts for display in the building.

Duncan was instrumental in having the uniform and painted portrait of Fluckey displayed in Fluckey Hall after his death in 2007.

Rear Adm. Barry Bruner, commanding officer, COMSUBGRU 10, met with Duncan and his family to thank them for visiting the base and providing a history lesson of what it was like to serve in the Navy with Fluckey.

"Thank you for taking time out of your schedule to visit with us," Bruner said. "We appreciate having these artifacts to share with everyone that enters the building."

Bruner, Duncan and his family reviewed the display case located on the quarterdeck, looking at the items and reminiscing about the old days.

"His wife would love to see this display," Duncan's wife said. "She would be very happy."

Scorpion - Rest Of The Report

6 August 2010

From: B. Rule, 3931 Brookfield Ave, Louisville, KY 40207-2001

To: VADM David J. Dorsett, Director of Naval Intelligence, Office of Naval Intelligence,

4251 Suitland Road, Washington, DC 20395-5720

Subj: Why the USS SCORPION (SSN-589) Was Lost on 22 May 1968

Ref: (a) Originator's ltr of 14 Mar 2009

(b) SCORPION SAG Report: "EVALUATION OF DATA AND ARTIFACTS

RELATED TO THE USS SCORPION (SSN-589) (U)"

to escape, when they have no other way out.

The person inside this suit is preparing for the worst. At the naval submarine base New London in Groton, Connecticut, sits an 84,000 gallon trainer tank, the only one in the United States.

"The intention of this trainer is to give submariners confidence that when they go out on their submarine, in the unlikely event that something catastrophic happens, they will have the ability to escape", Raymond Miller, Head of the High Risk Division at the Naval Submarine Base New London, CT, told Ivanhoe.

Thirty-seven feet below the surface, students put on a specially designed suit and step into a chamber identical to one found on a submarine. The door is sealed behind.

"This is the most realistic submarine escape training in the world", Miller explained.

As the chamber floods with water, the submariner attaches his suit to a valve, inflating it with air.

"You got this hand plugged in and this hand holding on, so you're holding yourself how because as the water comes up, this is really buoyant", Miller said.

Buoyancy is the force that helps you float. It's also what propels the submariner and his inflated suit to the surface when the hatch opens. The submariner moves at a speed of 600 feet per minute, taking just seconds to reach the top.

"You feel like a giant balloon pretty much rocketing to the surface," Schipper Matthew C., submariner, explained.

As he rises to the surface, the submariner exhales as much air from his lungs as he can to prevent CO2 from getting into his bloodstream.

"What we do is we have them say, 'Whoyah,' on the way up", Miller said.

Trainers confirm the submariner is okay. Experts agree training like this is critical.

"It's like any environment where there is inherent risk", Michael Lilburn, submariner, said. "You do everything you can to minimize and mitigate that risk."

"Well I guess you hope that you'll never have to use this training that we went through, but yeah, it's good to have done it and to know what's coming if you ever have to use it", Natharn Randall said.

"It's a peace of mind", John David Maranda, explained.

With help from physics: preparing for worst, but hoping for the best.

The suits the submariners wear are also equipped with a life raft that can be immediately inflated when they get to the surface. The British have tested this emergency escape equipment at 600 feet under sea water.

Submarines Could Use New Nanotube Technology for Sonar and Stealth

Ali Aliev and colleagues explain that thin films of nanotubes can generate sound waves via a

of 29 June 1970, prepared for presentation to the CNO SCORPION Technical Advisory Group by the Structural Analysis Group: Peter Palermo, CAPT Harry Jackson, Robert Price, et al.

(c) Originator's ltr of 28 Oct 2009

Encl: (1) Enclosure (1) to Originator's ltr of 14 March 2009

ASSESSMENT

The USS SCORPION was lost because hydrogen produced by the 65-ton, 126-cell TLX-53-A main storage battery exploded in two-stages one-half second apart at 18:20:44Z on 22 May 1968. These events, which did not breach the pressure-hull, prevented the crew from maintaining depth-control. As discussed by reference (a), the SCORPION pressure-hull collapsed at 18:42:34Z at a depth of 1530-feet. Noted times are actual event times on board SCORPION.

This assessment is NOT the generic attribution of the loss of a submarine to a battery-explosion advanced as a default explanation in the absence of any more likely construct. This assessment is based on (1), the results of examination and microscopic, spectrographic and X-ray diffraction analyses of recovered SCORPION battery material that confirm an explosion occurred, and (2), the July 2008 reanalysis of the SCORPION "precursor" acoustic signals that identified these signals as explosions contained within the SCORPION pressure-hull. Collectively, these findings indicate battery explosions were the initiating events responsible for the loss of SCORPION on 22 May 1968.

DISCUSSIONS: EXAMINATION AND METALLURGICAL ANALYSIS OF A RECOVERED SCORPION BATTERY COMPONENT

Section 7.1.3, page 7.2 of reference (b) states: (quote) ...the general battery damage is violent. The high velocity intrusion of pieces of the flash arrestor into both inside and outside surfaces of the retrieved plastisol cover attest to violence in the battery well. The damage to the terminal battery post coupled with the violent tearing of the plastisol covers indicates the possibility of a battery explosion. While it is possible that this damage could have been an after-effect of hull implosion, the SAG (Structural Analysis Group) feels that the intrusion of particles into the plastisol cover would have been much less severe had water been in the battery well at the time. (end quote)

Section 5.3.6, page 5.17 of reference (b) states: (quote) The battery installed in SCORPION was a TLX-53-A, manufactured by Gould-National Battery, Inc. Battery cell debris is in evidence over the entire debris field. Table 5-2, page 5.38 provides a list of the battery debris identified by the Portsmouth Naval Shipyard analysis team. (end quote) Comment: Table 5-2 notes damage from heat and

thermoacoustic effect. Every time that an electrical pulse passes through the microscopic layer of carbon tubes, the air around them heats up and creates a sound wave. Chinese scientists first discovered that effect in 2008, and applied it in building flexible speakers.

In a remarkable demonstration, which made its way onto YouTube, the Chinese nanoscientists stuck a sheet of nanotubes onto the side of a flag, and attached it to an mp3 player. They used the nanotube-coated flag to play a song while it flapped in the breeze. But they did not test its ability to operate under water.

Aliev's group took that step, showing that nanotube sheets produce the kind of low-frequency sound waves that enable sonar to determine the location, depth, and speed of underwater objects. They also verified that the speakers can be tuned to specific frequencies to cancel out noise, such as the sound of a submarine moving through the depths.

Source: The above story is reprinted (with editorial adaptations by ScienceDaily staff) from materials provided by American Chemical Society, via EurekAlert!, a service of AAAS.

Navy Coffee

by Cdr. Rod Mooney, USN (ret)

For Greeks, ambrosia was OK,
But used up all a sailor's pay.
Tars worked for grog instead of wage
But as for me I love to hug
A good old Navy coffee mug.
Its fragrance cuts the salty air
and Wafts me far away from there
It's best when made so it can stand
Without the mug, just in your hand,
And crusted mugs from watches back
Are germ free if your coffee's black.
Beware the canned milk on the bridge,
It's likely never seen a fridge,
And if it fails to pour or run,
It's left from World War Two (OR ONE).
But don't spill coffee on your boots
Your socks will soon start growing roots,
And if it penetrates the deck,
The panicked crew could cause a wreck.
Way down below, the engine crew
Prefers an even stronger brew,
And sometimes as they ply their craft,
They use the stuff to grease the shaft.
When Navy coffee's thick and black,
It guards against a heart attack,
And if it's strong enough, I'm sure
It functions as a cancer cure.

melting. The presence of melting eliminates the possibility that such damage occurred as a result of pressure-hull collapse (implosion) because analysis of acoustic data discussed by Section IV of reference (c), confirms SCORPION was fully-flooded within 0.112-seconds of pressure-hull and bulkhead collapse; hence, the melting damage (and the battery explosion) had to have occurred within the still-intact SCORPION pressure-hull.

In consonance with this conclusion, Section 5.3.6, page 5.17 of reference (b) also states: (quote) the Portsmouth Naval Shipyard Analysis Group reports that the available evidence indicates the battery probably exploded at some time before flooding of the battery well occurred. Review of Figure 5-13 indicates that the threads on the terminal posts were sheared off and there are no cover seal nuts remaining. This indicates that an explosion took place on the inside of the cells. The covers were completely blown off. Had the pressure been applied on the outside of the covers, the cover support flange on the terminal posts would have held pieces of the covers and it is expected that the cover seal nuts would have remained in place in at least some instances. (end quote)

Further, Section 5.3.6c, page 5.18 of reference (b) states: (quote) The (battery cover) sample from SCORPION had been violently, but locally, torn, particularly at the location of the bus connection bolts and nuts. The deformation in this region appears to have started on the inside, or battery side of the cover. (end quote)

And finally, Section 5.3.6e, page 5.18 of reference (b) states: (quote) Some 20 equally small (nearly sub-visible) fragments of material were imbedded at high velocity in both the inside and outside of the sample. The trajectories of the fragments were essentially random, ranging from grazing to vertical incidence. Microscopic, spectrographic and X-ray diffraction analyses reveal that these fragments are identical in composition and structure to the alumina flash arrestors used on the batteries in SCORPION. (end quote)

DISCUSSIONS: SCORPION ACOUSTIC DATA

Enclosure (1) to reference (a), forwarded as enclosure (1) to this letter, provides detailed discussions of four independent lines of evidence that, collectively, established, for the first time, that the two "precursor" acoustic events that occurred at 18:20:44Z, 21-minutes and 50-seconds before hull-collapse, were explosions from then unidentified sources that were contained within the SCORPION pressure-hull. The energy yield of these explosive events, now assessed to have been battery-associated, is estimated to have been no more than about 20-lbs of TNT each.

The July 2008 identification of the precursor acoustic events as explosions contained within the SCORPION

But best of all, it makes the days
Pass quickly in a caffeine haze.

From the Desk of the South East Region Director

Saturday, August 21, 2010

I'd like to clarify the difference between the USSVI and the Charitable Foundation (CF).

The Charitable Foundation is almost a separate organization from USSVI, but it is under the umbrella of USSVI.

The Foundation has it's own President and Board of Directors. It also has its own by laws, 501.c.3 exemption letter from the IRS, and Articles of Incorporation. The CF controls the operation of the:

Kapss 4 Kidss program
Charitable Foundation
Scholarship Program
Brother hood Fund

For more detailed information Go to

<https://www.ussvi.org/Documents.asp?page=2>

It has been identified via IRS that IF a certain percentage of our members were in wartime for the period of time determined by the IRS, USSVI could become a Tax Free organization along with the Charitable Foundation.

USSVI started a program in June for USSVI members to update their profile. In the South East Region the District Commanders have been approaching their Bases to have members update the naval career section of their profile the 5th section down (years served) with year joined and year left.

It is amazing that for those members with computers it only takes less than 2 minutes to update their profile. Help was even offered to assist, only one person in the south East Region asked for help. Today bases are still not complete with the request and we started the process in June.

Members without computers were contacted via telephone and the information sent to National office for input to the member's profile.

Those members who have not updated their profile need to do so ASAP.

The USSVI Constitution and By-laws controls the function of the main organization and this is what you are being requested to vote on.

George Boyle
South East Region Director.

Admiral Osborne Scholarship Fund

How about helping out the scholarship fund? We are offering a Charleston Base Challenge Coin for sale. ALL proceeds go into the scholarship fund. Coins only cost \$7 each. Available for an additional \$1

pressure-hull strongly supports the battery explosion conclusion advanced by reference (b), i.e., the acoustic data identifies the actual explosive events previously assumed by the authors of reference (b), the SAG Report, to have occurred based on the observed damage to a recovered battery component discussed above.

CONCLUSION

Collectively, the above information indicates the two acoustic events that occurred 0.5-seconds apart at 18:20:44Z were produced by explosions associated with the SCORPION TLX-53-A battery, and were the initiating events responsible for the loss of SCORPION on 22 May 1968. Additional information will be provided as developed.

B. Rule

Copy to (w/ encl):

COMSUBFOR

is a protective plastic capsule.

To get your coin(s) see Jim Yates, Julian Villegas or Carl Chinn.

Make sure you have one for “when you get challenged”!
Buy several for great gifts!

