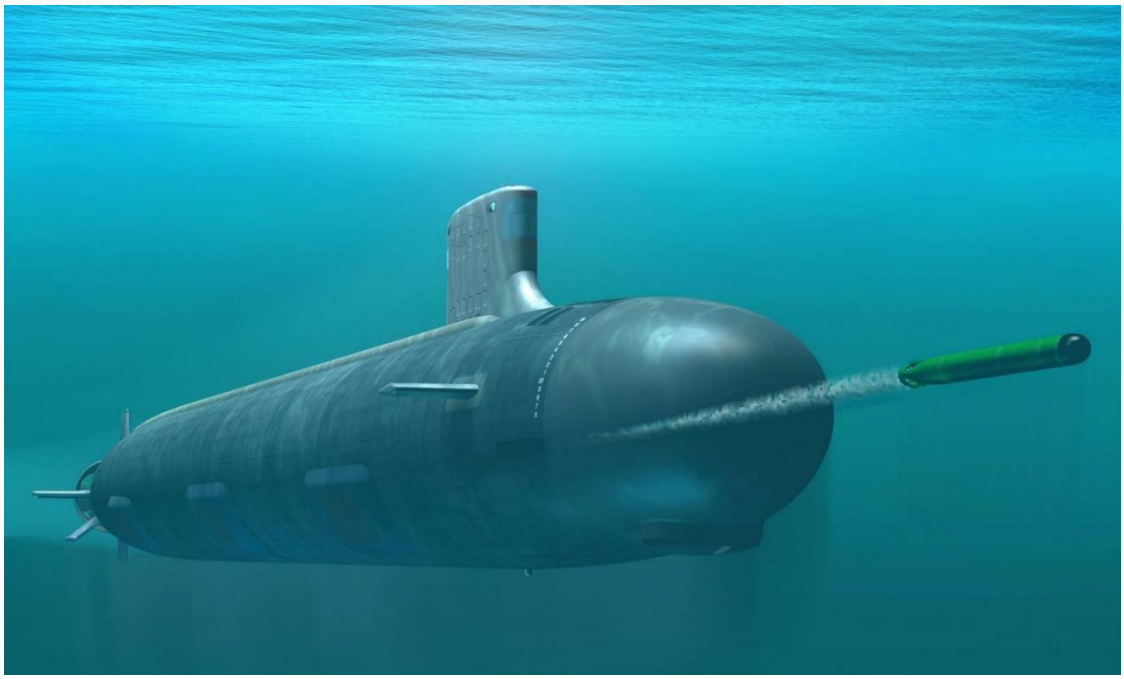
Hawgfish Scuttlebutt

Razorback Base
United States Submarine Veterans

FEBRUARY, 2019

Meet the Navy's Deadliest 'Stealth' Submarine to Ever Sail



The US Navy is arming a new fleet of attack submarines with stealthy "quieting" systems, new weapons, next-gen sonar and additional advanced undersea warfare technologies to enable its future boats to execute massive land-attacks, perform "covert insertions" of forces and conduct reconnaissance missions undetected.

USS South Dakota was christened by the Navy Oct. 14 at a General Dynamics Electric Boat facility in Groton, Ct.

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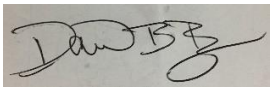
To perpetuate the memory of our shipmates who gave their lives in the pursuit of their duties while serving their country. That their dedication, deeds, and supreme sacrifice be a constant source of motivation toward greater accomplishments. Pledge loyalty and patriotism to the United States of America and its Constitution.

COMMANDER'S CORNER

We had our first meeting of the new year. This was also the planning of activities for the upcoming year. February 23rd, we have tentatively planned to be at Oaklawn. Details to come soon. I hope everyone had a great New Years and look forward to seeing you all throughout the year. Let's make 2019 a year to remember.

V/r,



David Boyer
Base Commander

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The US Navy is arming a new fleet of attack submarines with stealthy “quieting” systems, new weapons, next-gen sonar and additional advanced undersea warfare technologies to enable its future boats to execute massive land-attacks, perform “covert insertions” of forces and conduct reconnaissance missions undetected.

Many of these systems are in the process of being refined on board the recently delivered USS South Dakota Virginia-Class attack submarine. The boat is now poised to begin a vital part of the developmental process known as post-shakedown availability next year - a series of key assessments and final steps necessary to prep the submarine for major ocean combat.

“Design modifications will be made and then subsequently tested. Some of these design modifications are planned to be included in the fifth block of Virginia-class submarines during new construction,” William Couch, spokesman for Naval Sea Systems Command, told Warrior in a statement. Many of these innovations, which have been underway and tested as prototypes for many years, are already operational as the USS South Dakota enters service, after being formally delivered to the Navy earlier this year.

The plan, Navy developers say, is to further refine these technical advances before deploying what many call “the stealthiest submarines ever built” in the early 2020s.
While many details of these technical advances are not available for security reasons, service technology developers have, in a general way, told Warrior Maven some of the parameters; the innovations include quieting technologies for the engine room to make the submarine harder to detect, a new large vertical array and additional "quieting" coating materials for the hull.

The idea with the so-called “acoustic superiority” plan is to engineer a US submarines able to operate undetected in or near enemy waters or coastline, conduct reconnaissance or attack missions and sense any movement or enemy activities at farther ranges than adversaries can. These advances are consistent with more recent undersea combat strategy which, in part due to technological progress, increasingly sees attack submarines as well suited for clandestine undersea surveillance missions.

Interestingly, a substantial increased emphasis in undersea reconnaissance for attack submarines, above and beyond the historically associated “attack” missions, was cited in a 1997 National Research Council essay titled “Vision of Submarine Platforms for 2035.”

“Intelligence collection: the capability for tactical and national intelligence collection over an extended period is needed to provide covert surveillance both prior to and after onset of hostilities,” the paper writes. The research seems to suggest that strategic thinking in this area anticipated and preceded the advent of these modern technologies.

“Covert Insertion” is another mission emphasis cited by the paper, a technique heavily reliant upon decreased undersea detectability. Submarines, in these instances, are able to more closely approach enemy coastline to conduct surveillance missions, scout or strike targets and “covertly” insert forces in close proximity to a conflict.

“Deployment of ground forces of various numbers, configurations and capabilities offers the advantage of determining optimum timing by covert and, if necessary, extended on-site observation of the tactical situation,” the essay “Vision of Submarine Platforms for 2035,” writes.

While the specific technical composition of new coating materials for the USS South Dakota are, naturally, not available - many submarine weapons developers and engineers are known to use specially crafted rubber tiles to absorb sonar “pings.” Also, propellers are typically designed to produce thrust at slow speeds, to minimize cavitation and decrease any underwater signature, a research paper from Livingston Research writes.

Acoustic sensor technology works by using underwater submarine sensors to detect sound “pings” to determine the contours, speed and range of an enemy ship, submarine or approaching weapon. Much like radar analyzes the return electromagnetic signal bounced off an object, acoustics works by using “sound” in a similar fashion. Most of the undersea acoustic technology is “passive,” meaning it is engineered to receive pings and “listen” without sending out a signal which might reveal their undersea presence or location to an enemy, Navy technology developers explained to Warrior in previous interviews.

While high-frequency, fast two-way communication is currently difficult to sustain from the undersea domain, submarines are able to use a Very Low Frequency radio to communicate while at various depths beneath the surface, a former senior Navy weapons developer told Warrior in an interview several years ago.

Massive Weapons Increase for Attack Submarines:

Navy developers tell Warrior the service is already making substantial progress in building a new 84ft section into Block V Virginia-Class attack submarine for the purpose of massively increasing firepower.

The Virginia Payload Modules, slated to become operational by the 2020s, will increase the Tomahawk missile firepower of the submarines from 12 missiles up to 40, Navy weapons developers explain.

The VPM submarines will have an additional (approximately 84 feet) section with four additional Virginia Payload Tubes (VPTs), each capable of carrying seven Tomahawk cruise missiles, for a ship total of 40 Tomahawks.

While designed primarily to hold Tomahawks, the VPM missile tubes are engineered such that they could accommodate a new payload, new missile or even a large unmanned underwater vehicle, Navy officials said.

The reason for the Virginia Payload Modules is clear; beginning in the 2020s, the Navy will start retiring four large Ohio-class guided-missile submarines able to fire up to 154 Tomahawk missiles each. This will result in the Navy losing a massive amount of undersea fire power capability, Navy officials explained.

From 2002 to 2008 the U.S. Navy modified four of its oldest nuclear-armed Ohio-class submarines by turning them into ships armed with only conventional missiles -- the USS Ohio, USS Michigan, USS Florida and USS Georgia. They are called SSGNs, with the “G” designation for “guided missile.”

Overall, these advancements for the future submarine fleet are not only designed for new boats being built - but possibly for those already in service. “These improvements are evaluated for future ships and potential retro-fitting into older ships,” Couch said.

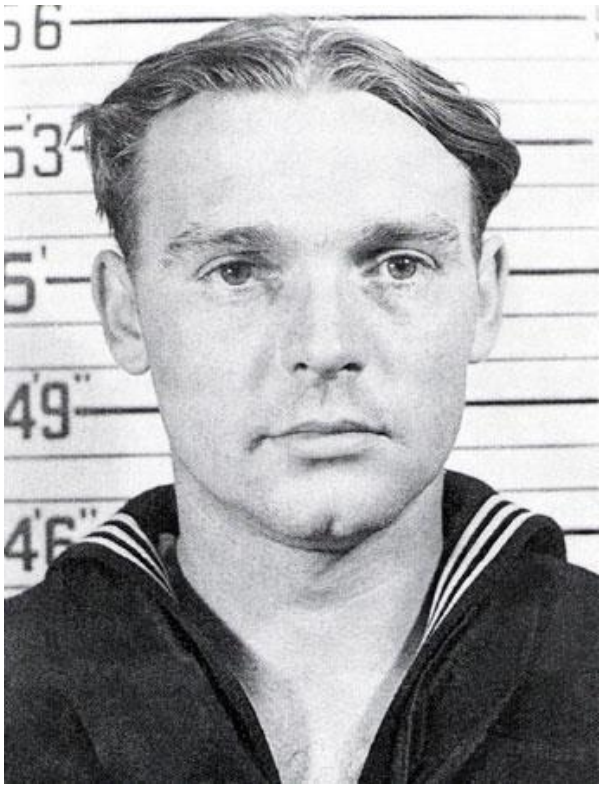
Lost Boats –February

USS TROUT (SS 202)

The following men were lost while serving on USS TROUT(SS 202).

1	Roy Emerson Abbott
2	Albert Wellington Adams
3	James Benjamin Barker, Jr.
4	Clarence Victor Beckley
5	Thomas Walker Bennett, Jr.
6	John Joseph Boland
7	Robert Vernon Bond
8	Norbert Arthur Brandt
9	Robert John Brockman
10	Eugene Brownlow
11	Kenneth Thomas Callan
12	Russel Eugene Carrico
13	Albert Hobbs Clark
14	Joseph Benedict Clarke
15	John Edward Coakley
16	Louis Joseph Copt
17	Frank Jefferson Corey
18	Elmer Franklin Crain, Jr.
19	John Raymond Crowley
20	Edwin Harvie Cunningham, III
21	Felice Philip DeCesare, Jr.
22	Francis Joseph Decker
23	William Harold Dortch
24	Jack Gifford Ehlerding
25	John Edward Ewell
26	Ora Ranza Eye
27	Stanley Festin
28	Wilson Owen Finney
29	Gordon Ingvald Frogner
30	Joseph Nicholas Frontino
31	Chester Frank Frost
32	Robert Leroy Garrison
33	William Hill Gaylord
34	Robert Clarence Gionet
35	Alvin Leroy Gonyer
36	Hubert Ralph Gurney
37	Richard Paul Gwynn
38	Odell Hall
39	Albert Montgomery Halterman
40	Sherwood Joseph Hanford
41	Donald William Harrison
42	James Elton Hoy
43	Paul William Hughes
44	Robert Luther Hughes
45	Albert William Johnson
46	Robert Wellington Kaiser, Jr.
47	Morris Henry Keltner
48	Ralph Kerr
49	Elbert King
50	Gilmore Johannes Knutson
51	Roland Kunstman
52	Albert Sylvester Lewis
53	Joseph Francis Magner
54	Peter Joseph Massett
55	Lawrence Leonard Mauer
56	William Bayne McDuffie
57	Franklin Alexander Million
58	Calvin Coolidge Millner
59	George Dana Mollohan
60	Thomas John Murphy
61	Lewis Edwin Myers, Jr.
62	Kenneth Eugene Nearman
63	Ralph Raymond Perry
64	James Woodrow Richardson
65	Ladd Rusk Rowan
66	Jacob Edmond Ruder
67	Kenneth Irwin Scott
68	Samuel Ray Sebring
69	Arthur Leroy Smith
70	William Wilson Stanford
71	Lawrence Michael Swentzel
72	Harold Frank Taylor
73	Arthur Theodore Teisen
74	Everett Edward Thoits
75	Albert Judson Thurman
76	Harold Thomas Tierney
77	John Thomas Tracy
78	Ernest John Walker
79	John Bolek Wilkowski
80	William Albert Winter
81	Harry Eades Woodworth

Arthur Leroy Smith



Rank/Rate	Yeoman, First Class
Rank/Rate	Chief Motor Machinist's Mate
Service #	258 10 76
Birth Date	February 12, 1917
From	Edgewater, Maryland
Decorations	Purple Heart
Submarine	USS Trout (SS-202)
Loss Date	February 29, 1944
Location	22° 40'N x131°45' E in Philippines Basin
Circumstances	Probably sunk by depth charge attack

Arthur was born in Reading, Pennsylvania.

Ralph Kerr

Rank/Rate	Quartermaster, Second Class
Service Number	311 48 67
Birth Date	May 7, 1922
From	Detroit, Michigan
Decorations	Purple Heart
Submarine	USS Trout (SS-202)
Loss Date	February 29, 1944
Location	22° 40'N x131°45' E in Philippines Basin
Circumstances	Probably sunk by depth charge attack

TREASURER'S REPORT				Dec-18
TOTAL BASE FUNDS BEGINNING BALANCE			$	15,497.30
General Fund Beg. Balance			$	5,481.20
Dues			$	540.00
SK Calendars			$	191.21
Christmas Party			$	177.68
National Dues			$	815.00
USSVI Liability Insurance			$	25.00
General Fund Ending Balance			$	5,194.72
Designated Funds Beg. Balance			$	4,261.52
Maint. Fund Balance			$	2,502.66
Charity Fund Balance			$	372.00
Snook Memorial Fund Balance			$	1,386.86
Designated Funds Ending Balance			$	4,261.52
Checking Balance (General + Designated Funds)			$	9,456.24
Other Funds				
	CD Balance		$	5,240.28
	Cash on Hand Balance		$	147.00
TOTAL BASE FUNDS ENDING BALANCE			$	14,843.52

Note…this report is for December. I will be out of town so I'm posting this vice the January report which isn't done yet. Changes were minimal…..editor.

Booster Club

Terrance Murphy (7)
Mark Taylor (7)
Pete Jilek (17)
Bill Woods (7)
John Barr (7)

Birthdays for February

Paul Honeck	4
John E. Archer	6
Colin L. Stockdale, Jr.	12
Gilbert F. Houston	13
Bob Major	15
Harold E. Horn	16
James F. Robinson	21
Bruce W. Dart	28
Torrey Dodson Jr	28

Subject: An Interesting Management Lesson ..

Mind blowing math. Something special for you "whiz kids." Apparently, where there's a "WILL," there's a way.

An Admiral, who had retired and had a horse ranch, left 17 horses as an Asset for his Three Sons.

When the Admiral passed away, his sons opened up the will.

The Will of the Admiral stated that the Eldest son should get Half of 17 horses, The Middle Son should be given 1/3rd of 17 horses, Youngest Son should be given 1/9th of the 17 horses.

As it is not possible to divide 17 into half or 17 by 3 or 17 by 9, the sons started to fight with each other.

So, they decided to go to a wise man, an old retired Navy Submarine Master Chief. The Master Chief listened patiently about the Will. The wise old Master Chief, after giving this thought, brought one horse of his own & added the same to 17. That increased the total to 18 horses.

Now, he started reading the deceased Admiral's will. Half of 18 = 9. So he gave 9 horses to the eldest son.
1/3rd of 18 = 6. So he gave 6 horses to the middle son.
1/9th of 18 = 2. So he gave 2 horses to the youngest son.

Now add this up: 9 + 6 + 2 = 17 & this leaves 1 horse, which the wise old Master Chief took back.

MORAL: The attitude of negotiation & problem solving is to find the 18th horse, i.e., the common ground. Once a person is able to find the common ground, the issue is resolved. It is difficult at times.

However, to reach a solution, the first step is to believe that there is a solution. If we think that there is no solution, we won't be able to reach any!

If you liked this story, please share with all. You might spark a thought, inspire & possibly change a life forever!

A very interesting management lesson

Happy 75th Birthday
USS Razorback SS-394

12 PM – 1245 PM Wed Apr 3, 2019

Posting of Colors: North Little Rock Honor Guard
Pledge of Allegiance
National Anthem – North Little Rock Community Band
Intro – Camille Smith / AIMM
Stan Davis: Grandfather was shipyard manager at Portsmouth
Charlie Duveen: Father was rescued by USS Razorback
Keynote Speaker: Retired Vice Admiral Kenny Floyd
Closing Remarks: Camille Smith or Mayor Joe Smith

2019 SCHEDULE

FEB 23	OAKLAWN (TO BE DETERMINED)
MAR 23	AIMM POTLUCK MEETING
APR TBD	SUBMARINE BIRTHDAY (RED APPLE, HEBER SPRINGS TBD)
MAY 25	CAMPOUT AT DARDENELLE
JUN 22	BASEBALL GAME
JUL	TBD
AUG 24	VFW MEETING
SEP	NATIONAL USSVI CONVENTION
OCT 26	HALLOWEEN PARTY AT AIMM
NOV TBD	VETERANS DAY
DEC TBD	CHRISTMAS PARTY AT AIMM

The schedule is fluid cuz flexible is just too rigid. If you have inputs, please contact the Base Commander. Many events still need coordinators and the Commander will contact you for your help. We really hope to have good attendance and participation this year.

Base Officers

Base Commander	**David Boyer**	**479-227-9633**	**chopper1267@yahoo.com**
Base Vice Commander Mem. and Ceremonies, Base Treasurer	**Mark Taylor**	**501-416-2488**	**empty704@aol.com**
Chaplain, COB	**Joe Manning**	**501-366-0331**	**joe.manning@att.net**
Newsletter, Past Base Commander	**Alan Malone**	**501-206-7248**	**o5retired@yahoo.com**
Holland Club & Storekeeper, Past Base Commander	**Billy Hollaway**	**501-758-3266**	**retldousn@earthlink.net**
Base Historian National Archives Chairman	**Joe Mathis**	**501-565-6021**	**rmc95ret05@gmail.com**
Membership	**Johnny Baker**	**501-804-0386**	**gschwerman@suddenlink.net**
Base Webmaster Past Base Commander	**Greg Zonner**	**501-307-5522**	**gzonner@aimmmuseum.org**
Activities Past Base Commander & USSVI Sec	**Jim Gates**	**479-967-5541**	**gates.jim@sbcglobal.net**
Past Base Commander	**Paul Honeck**	**501-580-4680**	**pneckerar@gmail.com**
Past Base Commander	**James Barnes**	**501-319-5888**	**jimandsue59@sbcglobal.net**
Past Base Commander	**Carl Schmidt**	**501-778-6583**	**bonnyclyde@classicnet.net**
Past Base Commander	**Ray Wewers**	**501-843-7855**	**raywewers@gmail.com**