

Volume 11 - Issue 7

What's "Below Decks" in the Midwatch

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http://perch-base.org



Lest We Forget Those Still On Patrol

JULY ETERNAL PATROLS

USS S-28	SS133	July 4, 1944	52 men
USS Robalo	SS273	July 26, 1944	81 men

NEXT REGULAR MEETING - July 16, 2005 American Legion Post #62 11001 N. 99th Ave. Starts at 1200 hours Lunch provided - Donation Suggested \$3 The Perch Base USSVI cannot support itself financially on the dues collected from its members. There have been no successful and ongoing plan since the base was formed to produce any other steady and effective source of income. Therefore, the Base has relied on charitable cash donations from members -- usually given at membership renewal -- for its survival. Listed below are those charitable givers, known as the Booster Club.



2005 Booster Club



Kirby Anderson

Ben Acosta Ted Asbell **Dick Bernier** Harry Ellis **Billy Grieves Ed Hawkins Davy Jones George Marions Denny McComb** Roger R. Miller **Bon Nance** Joe Otreba **Clair Prokupek** Frank Rumbaugh **Jim Strassels** Jim Wall Mike Haler Ed Wolf Roger Cousin **Steve Hough** Allen Miller John McVeigh

Jerry Allston Gary Bartlett Ron Beyer **Chuck Emmett Kelly Grissom Glenn Herold** Ron Kloch **Dale Martin** Ray McKinzie Tim Moore Jim Nelson **Ray Perron** Scott Prothero **Ray Schaeffer** Adrian Stuke **Dick Weber** Darrell Lambert Roger Cousin Joe Errante Mike Keating **Nick Pappas**

Mike Simpson

Ken Anderson Ken Becker Ed Brooks Ray Graybeal Bob Hanson **Dave Herrington Bob Lacendorfer Terry Martin** Paul Miller Tom Moore Jim F. Newman **George Petrovitz Robbie Robinson Rick Simmons** Jim Thomson Jerry Yowell **Nick Pappas** Alex Martin **Tom Fooshee** Darrell Lambert Ernie Plantz Joseph Hawkins

Joe Bernard Jim Edwards **Chuck Greene** Dave Harnish Les Hillman Doug LaRoch Bob May Roger M. Miller Joe Mullins Jim W. Newman **Royce Pettit** Stan Rud Wyne Smith Tom Tilley John Zaichkin Kenny Wayne John Cash Mike Haler **Burt Loftin** Ray Samson





NEXT REGULAR MEETING July 16, 2005 American Legion Post #62 11001 N. 99th Ave. Starts at 1200 hours







Dear Shipmates,

This month I owe a number of you my sincere gratitude and... many thanks. First, I want to thank Past Commander Glenn Herold for stepping up to the plate on a moments notice and taking care of our last board meeting for me. I had an emergency work issue I had to deal with which made it necessary for me to make a quick exit just as our board meeting was about to begin.

Next I want to thank Dave Harnish, Jim Denzien and Jim Nelson for their help with "tuning up" the float for the White Mountain 4th of July parade. We met at the Railroad Park at 0600 on June 25 and completed the task of painting and making the float shipshape for the parade. I've got to say it looked pretty darn good when we finished and it only took us about two hours. On a follow-up note, I want to remind everyone that we are continuing to seek an enclosed shelter as permanent storage for the float. Although we keep it covered, the Arizona heat is taking its toll.

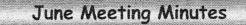
I received an e-mail from Dick Jarenski, Vice Commander White Mountain Base, and he was extremely grateful for our participation in the 4th of July parade. He said we "dazzled the community" with the Perch Base float and that about 3000 were in attendance. My work schedule prevented my attending but I do want to especially thank Dave and Kay Harnish, Jim and Mary Denzien, Jim and Nancy Nelson and Ed Brooks for representing us so well at the 4th of July festivities. Your continued contributions and dedication to Perch Base and our fellow organizations are greatly appreciated by all.

And my final thanks go out to you, the membership, for your cash contribution of \$122.00 to help our stricken shipmate, Tom Gilbert from Drum Base in Florida. In addition to monies collected when we "passed the hat" you approved of another \$200 from our treasury. I know Tom's family is grateful.

Lastly, on behalf of Perch Base, I would like to wish Jim Clewett, White Mountain Base Commander, a speedy and successful recovery from his back surgery. Our thoughts and prayers are with you.

Fratemally,

Tim Moore, Commander Perch Base USSVI



The regular monthly meeting of the members of the Arizona Submarine Veterans Perch Base was convened at the American Legion Post #62 Peoria, AZ at 1304 hours, 18 June 2005. The meeting was called to order by the Base Commander, Tim Moore.

Shipmate Joe Bernard led the members in a Prayer of Invocation, was followed by the ceremonial events prescribed in the SubVets meeting ritual.

According to the sailing list, there were 26 members and one guest present at the meeting. The guest, Fred Saunders, was asked to introduce himself and tell the members of his experiences in the Submarine Force. Fred graduated from US Navy Submarine School in 1960 and served on USS Sablefish and Cavalla. The members welcomed Fred with a round of applause.

A motion was made and seconded that the minutes from the May meeting be approved as published in the Base Newsletter, "MidWatch." The motion carried by voice vote.

A Treasurer report of the Base's financial status as of the first day of June, 2005 was read by Base Treasurer, Jim Denzien.

A motion was made and seconded to accept the Treasurer's report as read. The motion carried by unanimous voice vote.

REPORTS BY OFFICERS AND COMMITTEE CHAIRMEN

Base Vice Commander - Stan Reinhold had nothing to report.

Base Chief of the Boat - Bob Gilmore was not at the meeting.

Base Chaplain – Howard Doyle was not at the meeting. However, it was announced that Shipmate Red Crider had departed on eternal patrol and everyone was asked to keep his wife Dorothy in their prayers.

Membership Chairman and WebMaster – Ramon Samson reported that Perch Base now has 145 members. Ray also indicated that the Web Site is being updated and is still in progress.

Ship's Storekeeper – Jim Nelson indicated that the Ship's Store has a number or new shirts and hats available. He also introduced the gold buttons gifted by Jim Denzien. The buttons come in a pair – one of which is the uniform button worn by Union sailors and the other worn by the Confederate sailors. The buttons are being sold for \$20.

Past Base Commander - Glenn Herold read a letter from the Commanding Officer of U.S.S. Honolulu (SSN–718,) thanking Perch Base for sponsoring the ship again this year.

Newsletter Editor – Chuck Emmett reported that the Base Newsletter has been entered in the competition for USSVI Newsletter of the Year.

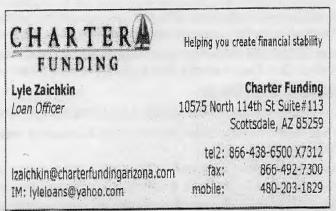
OLD BUSINESS

Tim Moore reminded the members to submit their vote for the Western Region's District One Commander. Ballots were available at the meeting.

Tim Moore also informed members of the upcoming National Convention in Kansas City. He suggested that those planning to fly to Kansas City should book their travel early and explore internet providers such as Cheaptickets.com, Travelocity.com, etc.

A working party has been formed to refurbish the Perch Base Parade Float. The group will meet at 0600 hours on June 25 at the Maricopa Live Steamers Railroad Park. Anyone interested in helping out are more than welcome.

He also announced that the Perch Base would be participating in the Memorial Day Services at the Phoenix National Cemetery starting at 0800 hours May 30. Those planning to attend should plan on arriving prior to 0700 hours if they want to ensure they obtain a seat in the shade.



It was also announced that the Long Range/Short Range Planning Committee had held its first meeting and was well on the way to fulfilling its function to put together a Base budget and events schedule including things such as parties and picnics. The members are encouraged to provide input to the committee.

The first event that has been firmly set is the annual Christmas Party which is scheduled for December 11 this year.

It was also announced that we are still looking for information regarding the CSS HUNLEY display that is rumored to be visiting Phoenix during the month of June.

We are also still waiting on information that would allow Perch Base to show support for the Medal of Honor Society members during their gathering in Phoenix this fall.

Tim Moore asked that members consider providing biographical information for recording and publishing. Information such as that provided by Billy Grieves would be a great benefit to the membership at large. Knowing our shipmates is of benefit to us all.

Joe Bernard announced that Shipmate Dale Martin's widow Phyllis expressed thanks to the SubVets WWII and Perch Base for their expression of condolences following Dale's departure on eternal patrol.

Tim Moore asked the members to consider helping restore the Perch Parade Float by participating in a working party at the Maricopa Live Steamer's Railroad Park. He included that the search for a good storage location is still ongoing. Al Landeck agreed to investigate the price and availability for a space at the Mirage RV Storage facility and report back to the members.

It was announced that the Board of Directors had voted to suspend efforts to determine ways to become involved with the "Medal of Honor Society" convention in Phoenix this fall. This action was called for after attempts to make contact and arrangements for involvement received little or no interest on the part of the planners.

The Long Range/Short Range Planning Committee – chaired by Jim Denzien will meet in July. The date and times will be announced at a later date.

Tim Moore announced that author Clive Cussler and his son Dirk are now Associate Members of the Perch Base and USSVI. Arrangements for them to attend a Base meeting are still pending.

NEW BUSINESS

Base Chief of the Boat - Bob Gilmore has requested that Perch Base sponsor the American Legion Post #62 dunk tank at a street carnival to raise money for the Post Building Fund. The price to sponsor the tank event is \$135. A motion was made and seconded to spend the \$135 to sponsor the dunk tank. The motion carried by voice vote.

A request was made via email from USSVI Drum Base in Florida to help a USSVI shipmate who has fallen on hard times. The member, Tom Gilbert lost his home in a recent hurricane and is now on the waiting list for a heart transplant. Both these events have taken a tremendous toll on the family's finances and his shipmates at Drum Base are asking for help. A collection was taken from the members after which, it was moved and seconded that Perch Base treasury kick in an additional \$200 to help Tom Gilbert with his finances. The motion carried by voice vote.

An announcement was made that, on June 8, 2005, Shipmate Red Crider departed on eternal patrol. No memorial services are imminent, however his ashes will be inurned sometime after June 26. Joe Bernard will perform a formal service at the cemetery at that time. It was also announced that Shipmate Slade Cutter has also departed on eternal patrol. Everyone is asked to remember their families in their prayers.

Ramon Samson announced that Perch Base has seven members who become eligible for membership in the USSVI Holland Club. One of which is Shipmate Ed Hawkins. All the names of the eligibles will be published in the Base Newsletter.

GOOD OF THE ORDER

Tim Moore announced that Monday, June 20 is the 10th anniversary of Perch Base's formation.

It has been announced that the American Submariner magazine will soon have a new editor. His name is T. Michael Berkenshaw.

A process is being organized by the USS Torsk memorial whereby stories from WWII and Cold War submariners are being recorded for posterity. Anyone with special sea stories should make contact with that group.

Brad Veek announced that Mike Keating has successfully repaired Brad's model of the USS Tirante anyone wanting to admire Mike's craftsmanship is invited to do so.

Dave Harnish (Western Regional Director) announced that he has literature for the 2007 National Convention (ocean cruise to Alaska). He also added that those planning to go on the cruise must have a valid US Passport.

Dave read a thank you email from Judy Patterson (wife of deceased Shipmate Gary Patterson) thanking Perch Base for creating the Gary Patterson Memorial Scholarship.

It was announced that interested Perch Base members are invited to participate in the July 2 Independence Day Parade at Heber/Obergaard (White Mountain Base). The Perch Base Parade Float is entered in the parade and all members are invited to participate with the White Mountain Base members.

Tim Moore called Stan Reinhold to the front and center, where Stan was recognized for his significant contributions to Perch Base. Stan was presented a wood carving representing the Deep Submergence Crew breast pin (dolphins). The





mahogany carving, produced by Shipmate Ed Brooks, is a replica of the dolphins awarded to Stan as a qualified crew member on the Deep Submergence Research Vessels.

Dave Harnish announced widows of SubVets who wish to receive the American Submariner Magazine can do so for \$10 per year.

50/50 DRAWING

The 50/50 drawing was held and the winner was Ed Hawkins.

ADJOURNMENT

All the outstanding business being concluded, it was moved and seconded that the meeting of the Arizona Submarine Veterans - Perch Base be adjourned. The motion carried by voice vote.

The closing prayer was offered by Joe Bernard and the meeting was adjourned at 1355 hours.

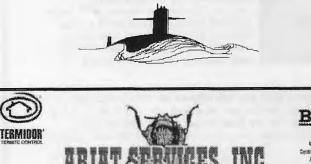
Signed: Edgar T. Brooks, Base Secretary



Perch Base Library Books

Over the years, we have accumulated a considerable number of volumes in the Perch Base library. Unfortunately we do not have a good place to store them which also provides reasonable access for the membership. As a result we will either return the books to their owners of dispose of them as a base fund raiser. This can be accomplished as follows:

- 1. If you have donated a book to the library and wish to have it returned to your personal library, please let one of the Perch Base Officers know by our 16 July 2005 general meeting and we will see that it is returned to the rightful owner. All volumes not claimed by 16 July 2005 will be sold or put up for auction.
- 2. If Perch Base members wish to purchase any of the books, they will be made available to the membership after the 16 July 2005 meeting. You will have until the end of July to make your purchases. Any volumes remaining unclaimed or not purchased by 31 July 2005 will be put up for auction on e-bay or some other such service.
- 3. After we have exhausted all attempts to sell or auction off the books, it is recommended that any remaining unclaimed volumes be donated to the Veteran's Home here in Phoenix.



P.O. Box 5785 Peoria, AZ 85385-5785 Peoria, AZ 85385-5785 Peoria, AZ 85385-5785 Peoria AZ 85385-5785 Pierria AZ 85385 Pierria AZ 85385-5785 Pierria AZ 85385 Pierria AZ 85385 Pierria A

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Our Fellow Vets Can Use Our Help

Our fellow veterans who reside in the Veteran's Home here in Phoenix could use our assistance. For any of you who are willing and able to participate in some volunteer work, your help would be greatly appreciated. Resident's activities include:

- 1. Bingo every Saturday at 0900.
- 2. Card playing (poker, etc.) every Monday at 0930.

3. Movies the 3rd Thursday of the month at 1400.

Volunteers help in moving residents from their units to Liberty Hall for these activities. They also play cards with the residents and help serve ice cream, pop corn, etc.

Extra help will especially be needed this coming March 30. Beginning March 30, and every 5th Wednesday thereafter, we will be going to a local casino. The time for this event will be from 0930 until 1430. Again, extra help here would be especially appreciated.

For details regarding volunteer services, contact:

Carrie	Langford,		CTRS		
Recreational	Therapy	Program	Manager		
Volunteer			Services		
Phone	-	602-	-248-1575		
E-mail - clangford@azvets.com					
Thank you for you assistance!					



The June meeting of the Gudgeon Base was held at the Moose Lodge in Prescott Valley on the 11th at 1100 hours. Eleven members and guests were present.

Al Weiss briefed the members on his recent trip to San Diego for the USS Wahoo reunion. Ed Brooks made a set of mahogany dolphins for the reunion. They were raffled for the benefit of the USSVI Scholarship Fund and the reunion committee. A significant amount was raised for both causes.

Dave Herrington our COB is home from the hospital after an operation and is doing fine.

On the 16th we had a field trip to Baghdad, Arizona for a tour of the Phelps Dodge copper mine there. The trip was organized by Jack Gleason a member of our base who also is an employee at the mine. We had a very educational and spectacular trip. We started standing on the edge of the open pit mine looking down into a 2,000 foot pit, and continued through all the processing stages. After the tour of the mine we had a barbeque at the Gleason home. Thanks to Jack and his wife for a great trip.

Longevity Pin

The information, within the box, describes the USSVI Longevity pin. The Perch Base executive board has voted to begin awarding the pin to eligible members at the annual Christmas party.

RecognizingUSSVI MemberLongevity

Building and maintaining Base cohesion is an ongoing and neverending process. Scheduled meetings, memorial services, shared trips, picnics, parades and projects all help us to grow closer as a Sub Vet family, enjoying each other's company, while we honor our fallen heros and support our current day submarine forces.

All our members have many demands on their time in their busy lives, yet many willingly set aside the time to actively participate in USSVI related activities and functions. While many members are relatively new to USSVI, we have others who have maintained faithful allegiance for 5, 10, 15, 20 and more years.

RECOGNITION When a member achieves a milestone year, it is altogether fitting and proper to recognize and acknowledge his longevity in USSVI with the presentation of a longevity pin award in front of his Base peers. Make a bit of a fuss over these longer term members and make them feel special and appreciated.



In a survey taken several years ago, the overwhelming sentiment from the membership was for these USSVI Longevity Recognition devices to be made available and some bases are currently thanking their longer term members by awarding them the pins in ceremony at base meetings or at special events.

The USSVI Longevity lapel pins and patches are readily available through the National Storekeeper. At a Base cost of \$ 2.50 ea, it is a very inexpensive way for the Base to say "*Thank You*" to those members who have stayed the course in USSVI and helped to make it what it is today.

The Longevity pins are available in 5 year increments starting at 5 years longevity. Any Base that needs a "Join Date" listing for their members need only contact the National Office (ussvi@telebyte.net) and it will be provided to you.

Contact National SK Huey Hahn for more information and pricing details at $\underline{subhuey@aol.com}$





OUR CREED:

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



Commander's Corner

Commanders Corner

We had a great turnout for the golf tournament. We cleared \$1400.00 for the S.A.F.E. House. We should be very proud of ourselves. We even had a rep from Prescott, Paul and Nikki West.

I wish to thank all the people that made this possible, Ken Shade – Dick Jarenski – Priscilla Nagle – Armand DePrins – Lorraine Clewett – Judy Snodgrass. If I forgot anyone, I am truly sorry, without your help this Golf Tournament would not have happened.

I will be having back surgery an the 23^{rd} of June at St. Joseph hospital in Phoenix – will be there about 5 days, if all goes well. Then home for 3-4 months recuperation. Will miss meetings in July, August, and possible in September. I can't go to the Kansas City convention – 4th of July parade in Heber, or 16 July parade in Young. I would like to hear that we had a great turnout for both.

If all goes well, I may be able to make the September meeting.

Smooth sailing to All.

Fraternally Yours,

Jim Clewett, Commander



Meeting Minutes

The meeting was called to order at 11:07 AM with an invocation, Pledge of Allegiance, reading of our creed, and tolling of the bell. There were no new members or guests present. Members present at the June 2005 meeting: Jim Clewett, Ken Shade, Doug Eddy, Armand Deprins, Frank Nagle, Steve Day, Dick Jarenski and Dee Lefevre.

The meeting minutes for May were read and accepted and the Treasurer reported that there is \$1,114.67 in the treasury.

The golf committee chair reported that the tournament was a success. \$1,400 went to the battered women's shelter and \$141 retained by the base to cover outstanding expenses of the tournament. Next year we need more hole sponsors – start lining them up now.

The Perch Base float is a maybe for the 4th of July parade in Heber [the float was there and well received as usual. Thanks and BRAVO ZULU to Perch base again].

Jim reported that one of the base's magnetic signs was lost or stolen; a motion was made, seconded and passed to buy a new one.

The 17th of September meeting will be held at Jim Clewett's house.

For the parade in Young, form up at 9:30 AM, parade starts at 10:00 AM and should last 1 hour.

The Base voted to donate \$100 to the Pleasant Valley Rough Riders Gym Khana.

The Christmas/Chanukah party will be at the American Legion in Heber, Doug Eddy will chair.

The 50/50 drawing was won by Jim Clewett, who donated the \$14.50 winnings to the treasury.

The meeting was adjourned at 11:40 AM with a closing prayer.

MARK YOUR CALENDAR!

Saturday, July 16 - Pleasant Valley Days Parade - NO MEETING

Saturday, August 20 - Regular meeting at the Heber American Legion 11:00 a.m.

Eternal Patrol

Bless those who serve beneath the deep, Through lonely hours their vigil keep. May peace their mission ever be, Protect each one we ask of thee. Bless those at home who wait and pray, For their return by night and day.

Lord God, our power evermore, Whose arm doth reach the ocean floor, Dive with our men beneath the sea; Traverse the depths protectively. O hear us when we pray, and keep Them safe from peril in the deep.

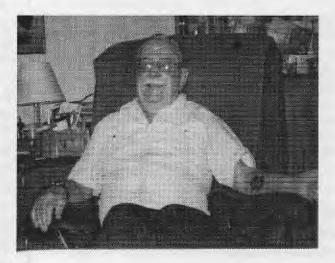
- The Navy Hymn-

Samuel Millard "Red" Crider, of Mesa, AZ, and Holland Club Member of Perch Base USSVI, departed on Eternal Patrol June 8, 2005. Born June 6, 1920 in Arnett, OK, Red graduated from Arnett High School and joined the Navy in 1939. He served on the USS Bridge supply ship before transferring to the submarine service in 1943 with service aboard the the USS Gar (SS-204) making six war patrols. When the war ended, Red and the Gar were in Subic Bay. He was honorably discharged November 19, 1945.

In addition to USSVI, Red was a member of the Veteran of Foreign Wars Post 1760, Mesa AZ, American Legion Post 0027, Apache Junction, AZ, 32nd Degree Mason and Past Master St. Alban Lodge 192, Arnett, OK. Scottish-Rite of Freemasonry, Sacramento, CA. and Elks Buckhorn AZ # 2656, Mesa, AZ.



Samuel "Red" M. Crider





Eternal Patrol July 26, 1944

Editors Note: Less we forget, each month, one boat on eternal patrol will be highlighted in this newsletter. Sailors, rest your oars.

The Final Patrol



Lord, this departed shipmate with dolphins on his chest is part of an outfit known as the best. Make him welcome and take him by the hand. You'll find without a doubt he was the best in all the land. So, heavenly Father add his name to the roll of our departed shipmates still on patrol

Let them know that we who survive will always keep their memories alive.

U.S.S. Robalo (SS-273) 81 men lost



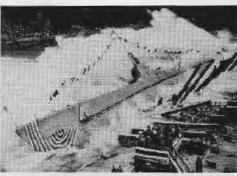


Keel laid down by Manitowoc Shipbuilding Company, Manitowoc, WI 24OCT42; Launched: 9MAR43; Sponsored by Mrs. Edmund S. Root; Commissioned: 28SEP43 with Cdr Stephen H. Armbruster in command.

ROBALO under Cmdr. M.M. Kimmel, departed Fremantle on June 22, 1944 to conduct her third war patrol in the South China Sea in the vicinity of the Natura Islands. After traversing Makassar and Balabac Straits, she was to arrive on station about July 6th and stay there until dark on August 2, 1944.

On July 2nd a contact report stated ROBALO had sighted a Fuso-class battle ship with air cover and two destroyers for escort, just east of Borneo. No other messages were received from ROBALO and when she did not return from patrol, she was reported as presumed lost.

The following information was reand an U.S. Navy enlisted man who Princesa Prison Camp, Palawan, P.I. from the window of the prison cell in held was picked up by an American H.D. Hough, Y2c, USN, another pris-Mrs. Trinidad Mendosa, wife of guernished further information on the surtogether the following facts.

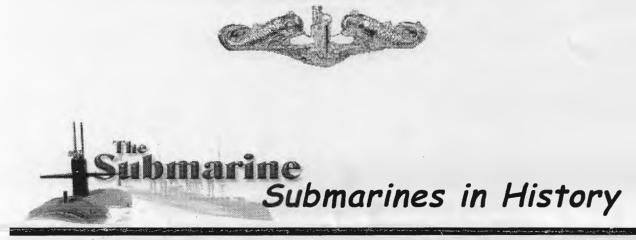


ceived via the Philippine guerrillas was a prisoner of war at Puerto On August 2, 1944, a note dropped which survivors from ROBALO were soldier in a work detail and given to oner. On 4 August, Hough contacted rilla leader Dr. Mendosa, who furvivors. From these sources, he put

ROBALO was sunk July 26, 1944, two miles off the western coast of Palawan Island as a result of an explosion of her after battery. Four men swam ashore, an officer and three enlisted men: Samuel L. Tucker, Ens.; Floyd G. Laughlin, QM1c; Wallace K. Martin, SM3c, and Mason C. Poston, EM2c. They made their way through the jungles to a small barrio northwest of the Puerto Princesa camp. They were captured there by Japanese Military Police, and confined in the jail. They were held for guerrilla activities rather than as prisoners of war, it is said. On August 15, 1944, a Japanese destroyer evacuated them, and nothing further is known of their destination or whereabouts. The Japanese may have executed them or the destroyer may have been sunk. At any rate, they were never recovered and their note stated that there were no other survivors.

It is doubted that a battery explosion could be sufficiently violent to cause the sinking of the ship; more likely ROBALO struck an enemy mine.

In her first patrol, in the area west of the Philippines, ROBALO damaged a large enemy freighter. Her second patrol was in the South China Sea near Indo-China where she sank a 7,500-ton tanker.



Scientists Discover New Stealth Feature on H.L. Hunley

Release Date: 6/21/2005 11:46:00 AM By Raegan Quinn, Naval Historical Center Public Affairs

CHARLESTON, S.C. (NNS) — Conservators of the Civil War submarine H. L. Hunley, working with the Naval Historical Center (NHC), discovered a previously unknown stealth feature called a deadlight while removing the concretion on one of the 10 glass ports, June 15.

The deadlight, which served like skylights that run along the top of the submarine, served as both a stealth and safety feature on Hunley, by stopping light from getting out and water from getting into the submarine.

"The Hunley truly is a technological marvel. Every aspect of the submarine's design is thought out to maximize her ability as a stealth and functional weapon," said Sen. Glenn McConnell, chairman of the Hunley Commission. "She is literally 50 years ahead of her time."

The skylight is covered by a hinged iron plate, or deadlight. A pin could be removed from one hinge, allowing the iron plate to drop down and let light in to the otherwise dark vessel. To cover the skylight, a crew member would push the iron plate up and re-insert the pin. When the deadlight was closed, it would block light from exiting the submarine through the skylight, increasing the Hunley's ability to approach her target unnoticed.



Naval Historical Center, Navy Yard, Washington D.C. (Feb. 21, 2003) — Scientists at the Warren Lash Conservation Center examine a Civil Warera wallet found during excavation of the Confederate submarine H.L. Hunley. The archeologists stated that the wallet was in remarkably good condition. Hunley was recovered from the ocean floor in 2000 and has been under an excavation and conservation program, which has been led by the Naval Historical Center team for three years. U.S. Navy photo courtesy Naval Historical Center,



The deadlights also served as an important safety feature of the sub's construction. During combat, if the glass of the skylight was broken, it could cause a dangerous flow of water into the submarine. Scientists think the two hinges holding the iron plate in place may have been fitted with rubber gaskets, which would make the skylight watertight when the iron plate was closed. If the glass on the skylight was damaged, the crew could lock the iron plates in place and stop water from overtaking the sub.

Hunley scientists discovered the deadlight was in the shut position and the skylight remained covered.

"Every discovery is a clue that we will ultimately use to solve the mystery of the Hunley's disappearance. In the

crew's last moments, they chose to leave this skylight closed, perhaps because they believed they would be returning

home and wanted to remain undetected," McConnell said. "This is another piece of the puzzle that will lead us to the ultimate answer."

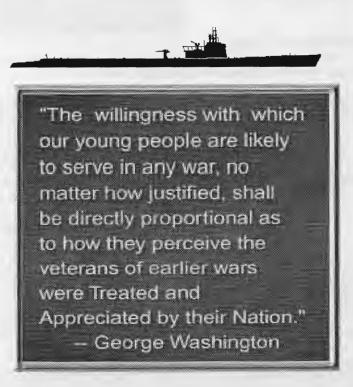
Scientists will continue work on de-concreting the remaining deadlights as they prepare the submarine for its conservation treatment.

On the evening of Feb. 17, 1864, H.L. Hunley became the world's first successful combat submarine by sinking USS Housatonic. After signaling to shore that the mission had been accomplished, the submarine and her crew of eight vanished.

Lost at sea for more than a century, Hunley was located in 1995 by author Clive Cussler's National Underwater



and Marine Agency (NUMA). The hand-crank-propelled vessel was raised in 2000 and delivered to the Warren Lasch Conservation Center, where an international team of scientists under the Naval Historical Center are at work conserving the vessel and piecing together clues to solve the mystery of her disappearance.



Around the World



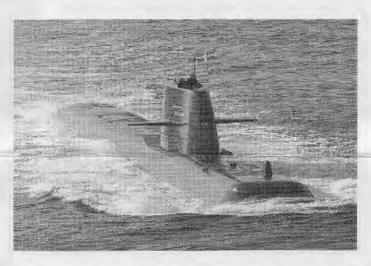
Swedish Submarine Expected To Enhance Navy's Antisubmarine Warfare Primacy

Release Date: 6/20/2005 11:08:00 AM By Journalist Seaman S. C. Irwin, Fleet Public Affairs Center, Pacific

SAN DIEGO (NNS) — The Swedish attack submarine HMS Gotland arrives in San Diego June 23 and will begin a one-year bilateral training effort with the U.S. Navy's antisubmarine warfare (ASW) forces.

The diesel-powered Gotland will play a key role in enhancing the U.S. Navy's ASW capabilities by operating as an opposing force (OPFOR) during a series of exercises against carrier and expeditionary strike groups, naval air patrols and other forces. Likewise, Gotland will gain training experience and enhance interoperability, while participating in exercises with U.S. forces.

"The arrival of Gotland is just one of the many ________ innovations we are implementing to enhance our ability to provide realistic and effective ASW training in the fleet," said Capt. John Ferrer, head of the assessment branch at Fleet Antisubmarine Warfare Command in San Diego.



Gotland's training with the U.S. fleet will focus on

integrated ASW exercises that will enable all components of the Navy's ASW forces – air, surface and subsurface – to test and assess their tactics, doctrine and ASW education.

"We are well-trained, highly motivated and ready to go to sea," said Capt. Jan Westas, commanding officer of Gotland. "We are up against big ships and deeper water that needs special navigation. This is definitely a different environment for us."

According to Ferrer, Gotland, like many other diesel submarines, is quiet; however, unlike U.S. nuclear submarines, which often serve duty as OPFOR during fleet training exercises, Gotland is physically smaller, giving

Lois Keating Office Manager

590 N. Alma School Rd Ste. #11 Chandler, AZ 85224 (480) 883-9822 Queen Creek: (480) 988-2699

them less of an active sonar cross section.

"Gotland will therefore provide very realistic active sonar training for our strike groups and maritime patrol and reconnaissance aircraft as they hone their skills in preparation for deployment," Ferrer explained.

A Los Angeles-class attack submarine is 360-feet long and can displace approximately 6,900 tons when submerged. In comparison, the 200-foot Gotland displaces 1,490 tons. Gotland's advanced technology includes its Air Independent Propulsion units, which enable it to submerge for up to three weeks without snorkeling air from the surface.

"The learning curve is going to be very steep for the whole force out here," said Senior Chief Sonar Technician (Submarines) (SS) Dale Schonauer, from Submarine Squadron 11 in San Diego. "[Because of this training], we're going to be more effective against any adversary who is using diesel submarines."

"Our ASW training should make it clear to any nation that's watching the U.S. Navy...that you don't want to buy submarines in order to deny us access to any area of the world," said Ferrer. Don Adams

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Gotland will embark a small number of U.S. Navy personnel as riders and observers but will be manned by two all-Swedish teams of 31 to 33 Sailors.

Swedish Submarine HMS Gotland Arrives in San Diego

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By Journalist 2nd Class Paul Cage, Fleet Public Affairs Center Pacific

SAN DIEGO (NNS) — The Swedish attack submarine HMS Gotland arrived at Naval Air Station North Island, Calif., June 27 to begin a one-year bilateral training effort with the U.S. Navy's anti-submarine warfare (ASW) forces.

Gotland will play a major role in the Navy's ASW training by being an opposing force (OPFOR) during exercises against carrier and expeditionary strike groups, air patrols and other forces.

"We have been waiting for this day," said Lt. Cmdr. Jan Westas, commanding officer of Gotland, which was shipped on a container ship from Sweden while the crew traveled separately. "We have all missed Gotland. Everyone is motivated, ready and eager to go to sea and get back to work."

Gotland was selected to be the OPFOR because of its unique propulsion system. Gotland is the first submarine in the world to operate with an airindependent propulsion (AIP) system.

"The Stirling AIP system allows us to stay submerged at sea for weeks without having to come up to recharge our batteries or snorkel for air," said Lt. Cmdr. Rickard Boberg, Gotland's chief engineer. "No other Navy in the world except for Japan uses this system, and they bought it from us. With our low signatures and smaller sonar cross section, it will be a little more challenging for the [other] ships and submarines."

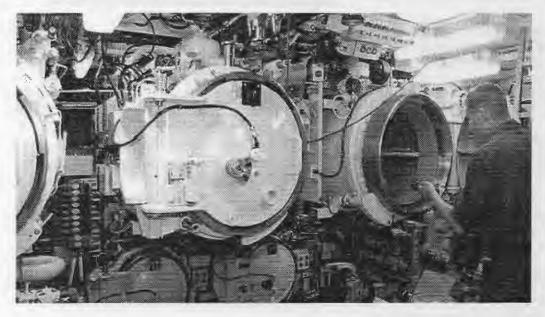
Gotland's trip from Sweden to San Diego took about a month. During that time, the crew prepared for its

arrival by making logistical arrangements with local contractors for services the submarine requires.

"The time was also used to prepare the crew for operations in San Diego," said Westas. "We also spent some time getting acquainted with the area, enjoying attractions like Sea World and Disneyland."

Gotland's crew is proud to be participating in the bilateral training.

"We have done most of our training in the Atlantic and Baltic Oceans with various NATO countries," Westas said. "So for us to be here representing Europe is an honor." Sweden is not a member of NATO. Instead, it is part of the Alliances Partnership for Peace program, which is aimed at improving defense cooperation. Through various programs, exchanges and exercises, including Gotland's year-long training effort here, the Partnership for Peace program will help partner countries like Sweden



prepare to operate jointly with NATO forces.

Before beginning the yearlong training here, Gotland's crew has to complete a lot of work to make the boat ready for sea.

"This is the first time Gotland has been in the Pacific, which is very different from the Baltic Ocean," Westas said. Gotland was built for operating in the waters around Scandinavia, which has less salt content. "Now that we are in the Pacific, we

will have to re-ballast Gotland for the Pacific."

The 30-person male and female crew is comprised of 19 officers and 11 conscripts.

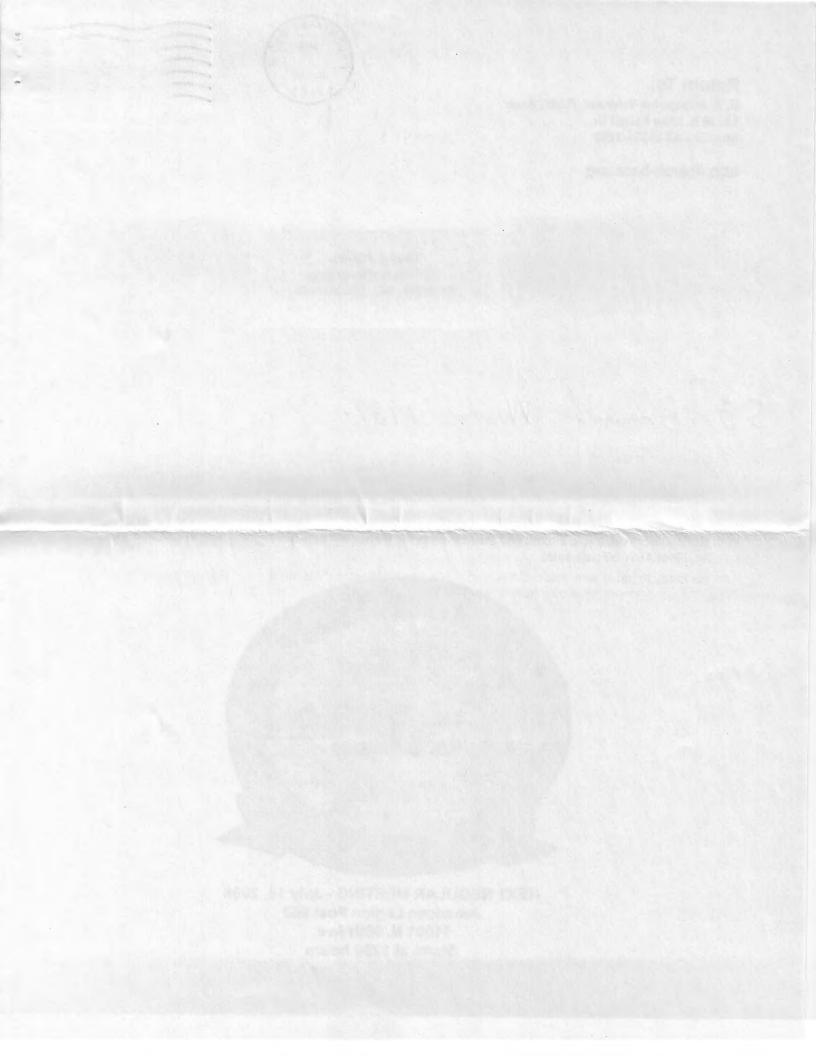
"This is a small crew, and we are very happy to have been selected to participate in these exercises," Westas said.

With Gotland's arrival, ships, aircraft and their crews in the Pacific will now have more realistic and effective training, Fleet ASW officials said.

"We are ready to get to work and challenge your Navy," said Westas. "We are the underdog. However, we are ready to show whoever we are up against what we can do."







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